

Data File : VN055381.D
Acq On : 3 May 2019 11:37
Operator : JC/SP
Sample : VN0503MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:53 AM

Quant Time: May 03 23:56:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	398293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	642831	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	540198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	198485	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	266087	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
35) Dibromofluoromethane	7.59	113	209547	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
50) Toluene-d8	10.09	98	748002	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
62) 4-Bromofluorobenzene	12.40	95	241127	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	89564	18.354	ug/l	98
3) Chloromethane	2.06	50	104261	17.254	ug/l	98
4) Vinyl Chloride	2.19	62	91398	18.764	ug/l	98
5) Bromomethane	2.57	94	49916	19.347	ug/l	96
6) Chloroethane	2.71	64	51700	19.593	ug/l	100
7) Trichlorofluoromethane	3.02	101	134184	19.374	ug/l	98
8) Diethyl Ether	3.41	74	48862	20.164	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	79569	19.292	ug/l	97
10) Methyl Iodide	3.96	142	108046	18.614	ug/l	99
11) Tert butyl alcohol	4.80	59	28921	96.946	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	75143	19.099	ug/l	98
13) Acrolein	3.61	56	12833	55.083	ug/l	97
14) Allyl chloride	4.33	41	160301	19.672	ug/l	100
15) Acrylonitrile	5.00	53	165798	98.876	ug/l	100
16) Acetone	3.82	43	152210	93.751	ug/l	97
17) Carbon Disulfide	4.06	76	169595	16.517	ug/l	98
18) Methyl Acetate	4.33	43	87518	21.539	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	231631	20.942	ug/l	99
20) Methylene Chloride	4.56	84	90738	18.310	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	79449	19.067	ug/l	97
22) Diisopropyl ether	5.95	45	337076	20.819	ug/l	93
23) Vinyl Acetate	5.90	43	1067872	100.635	ug/l	99
24) 1,1-Dichloroethane	5.85	63	173496	20.112	ug/l	98
25) 2-Butanone	6.84	43	200379	96.507	ug/l	98
26) 2,2-Dichloropropane	6.82	77	116315	19.526	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	97578	20.592	ug/l	98
28) Bromochloromethane	7.20	49	88013	20.241	ug/l	99
29) Tetrahydrofuran	7.22	42	132761	99.857	ug/l	99
30) Chloroform	7.37	83	162023	19.813	ug/l	99
31) Cyclohexane	7.65	56	154247	18.820	ug/l	98
32) 1,1,1-Trichloroethane	7.58	97	128801	19.407	ug/l	99
36) 1,1-Dichloropropene	7.79	75	115499	18.758	ug/l	98
37) Ethyl Acetate	6.93	43	88198	18.690	ug/l	99
38) Carbon Tetrachloride	7.78	117	109191	18.384	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	124002	18.942	ug/l	96
40) Benzene	8.04	78	354039	19.505	ug/l	98
41) Methacrylonitrile	7.17	41	38857	15.729	ug/l #	79
42) 1,2-Dichloroethane	8.12	62	123384	19.192	ug/l	100
43) Isopropyl Acetate	8.17	43	151641	19.995	ug/l	100
44) Trichloroethene	8.84	130	89735	19.392	ug/l	99
45) 1,2-Dichloropropane	9.12	63	103629	19.795	ug/l	99
46) Dibromomethane	9.21	93	53208	18.594	ug/l	95
47) Bromodichloromethane	9.40	83	117875	19.201	ug/l	98
48) Methyl methacrylate	9.20	41	74723	20.042	ug/l	97
49) 1,4-Dioxane	9.20	88	14172	367.723	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	414982	97.190	ug/l	99
52) Toluene	10.16	92	202809	19.473	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	102424	19.219	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	131953	19.859	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	76928	19.891	ug/l	98
56) Ethyl methacrylate	10.43	69	96861	20.348	ug/l	97
57) 1,3-Dichloropropane	10.71	76	136164	20.070	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	96946	74.772	ug/l	99
59) 2-Hexanone	10.75	43	255479	95.629	ug/l	98
60) Dibromochloromethane	10.90	129	74540	18.858	ug/l	96
61) 1,2-Dibromoethane	11.01	107	70336	19.677	ug/l	99
64) Tetrachloroethene	10.63	164	89929	20.357	ug/l	98
65) Chlorobenzene	11.43	112	208802	19.770	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	79123	19.132	ug/l	99
67) Ethyl Benzene	11.51	91	379249	19.885	ug/l	99
68) m/p-Xylenes	11.62	106	271883	39.938	ug/l	99
69) o-Xylene	11.95	106	138746	20.563	ug/l	98
70) Styrene	11.96	104	220042	21.239	ug/l	99
71) Bromoform	12.12	173	44013	19.180	ug/l #	99
73) Isopropylbenzene	12.25	105	368956	21.563	ug/l	99
74) N-amyl acetate	12.07	43	105950	20.799	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	87774	20.439	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	81948m	20.739	ug/l	
77) Bromobenzene	12.53	156	87203	21.786	ug/l	95
78) n-propylbenzene	12.59	91	400242	19.631	ug/l	100
79) 2-Chlorotoluene	12.67	91	241391	20.890	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	299858	19.270	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	18846	17.994	ug/l	89
82) 4-Chlorotoluene	12.77	91	226749	19.127	ug/l	100
83) tert-Butylbenzene	12.99	119	261711	22.140	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	282407	20.293	ug/l	99
85) sec-Butylbenzene	13.17	105	332688	19.671	ug/l	98
86) p-Isopropyltoluene	13.29	119	277744	19.980	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	130574	19.659	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	120607	19.282	ug/l	96
89) n-Butylbenzene	13.61	91	203957	20.648	ug/l	100
90) Hexachloroethane	13.87	117	44180	19.099	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	128824	19.570	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11234	21.514	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050319\
Quantitation Report (QT Reviewed)

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	38710	17.239	ug/l	93
94) Hexachlorobutadiene	15.01	225	47379	22.372	ug/l	96
95) Naphthalene	15.13	128	78624	16.631	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	43451	18.725	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

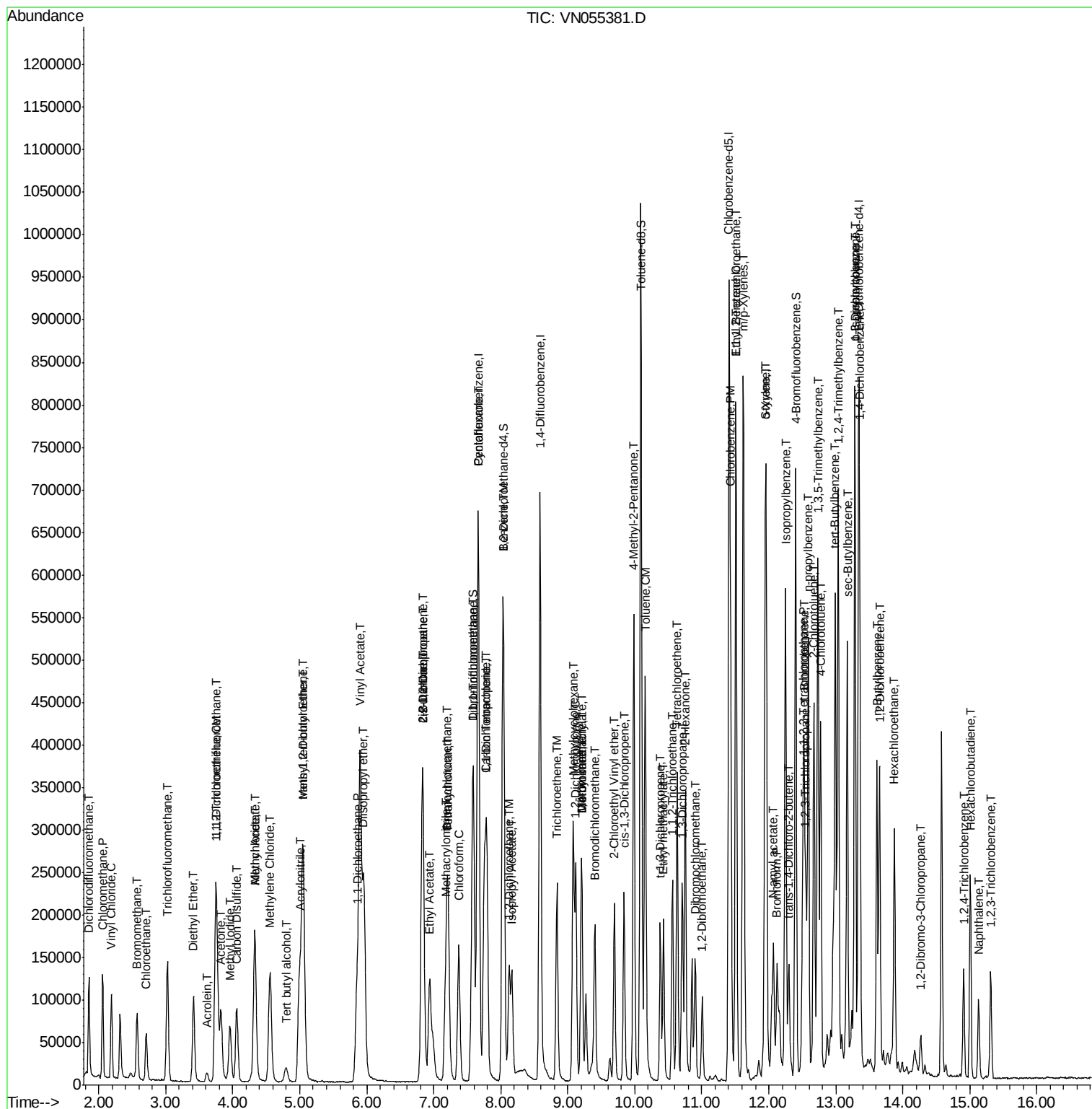
Data File : VN055381.D
Acq On : 3 May 2019 11:37
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Sample : VN0503MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
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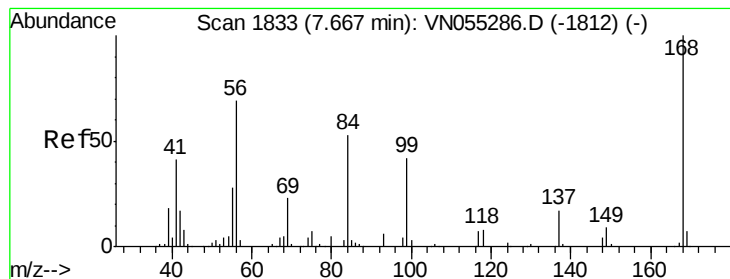
Instrument :
MSVOA_N
Client Sample Id :
VN0503MBS01

Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBS01

Tgt Ion:168 Resp: 398293

Ion Ratio Lower Upper

168 100

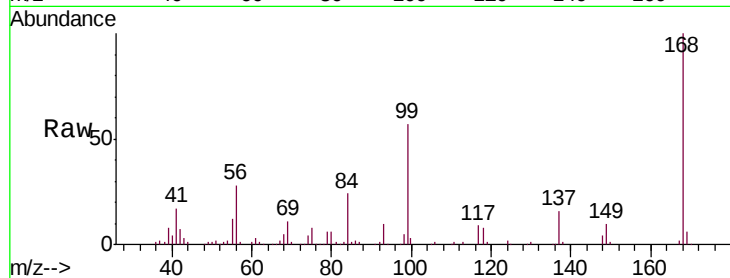
99 55.9 43.6 65.4

Manual Integrations

APPROVED

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5/6/2019 10:47:53 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

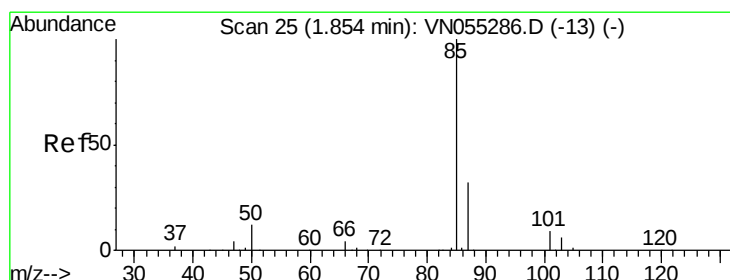
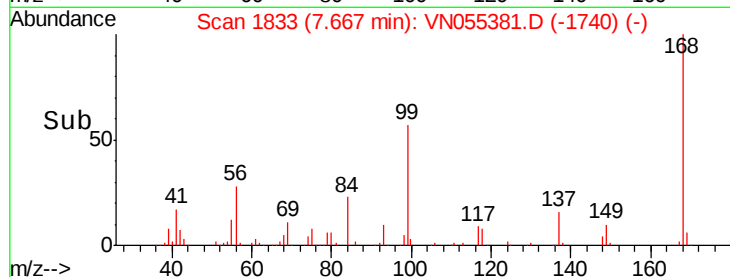
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.354 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055381.D

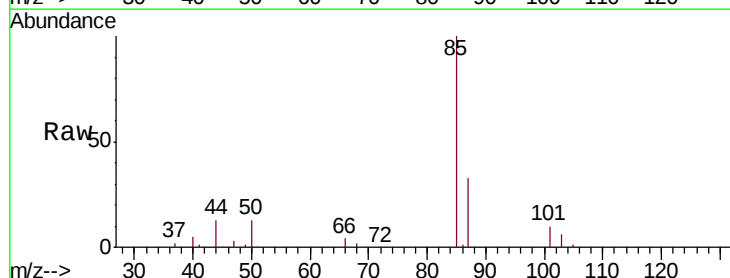
Acq: 3 May 2019 11:37

Tgt Ion: 85 Resp: 89564

Ion Ratio Lower Upper

85 100

87 33.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

60000

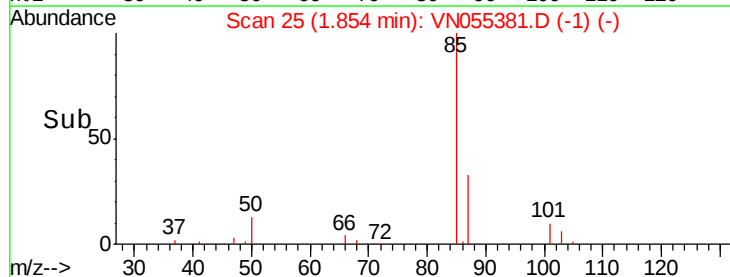
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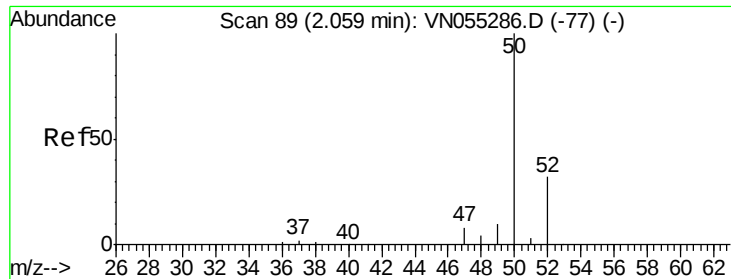
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.254 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBS01

Tgt Ion: 50 Resp: 104261

Ion Ratio Lower Upper

50 100

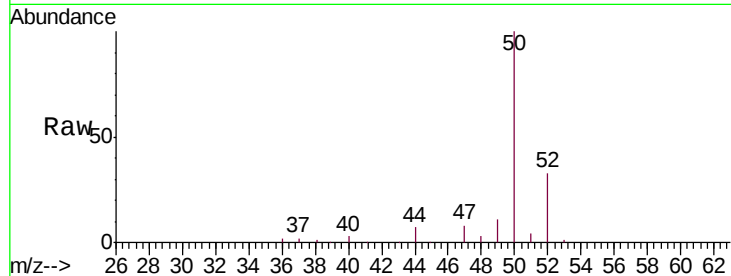
52 33.1 25.7 38.5

Manual Integrations

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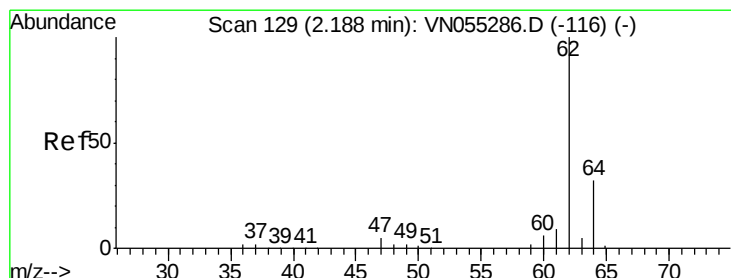
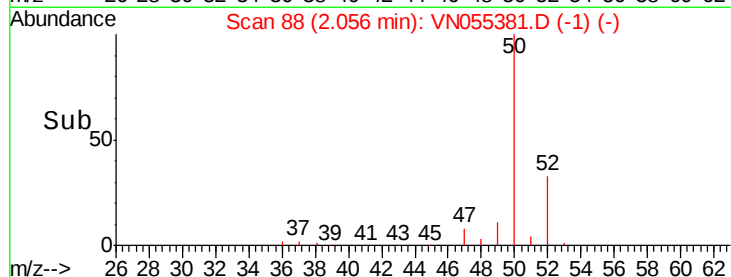
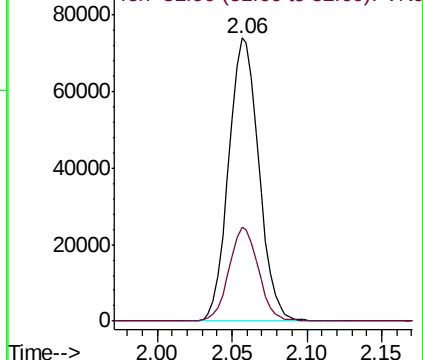
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 18.764 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055381.D

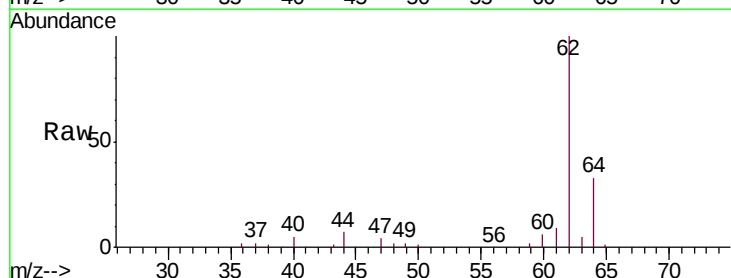
Acq: 3 May 2019 11:37

Tgt Ion: 62 Resp: 91398

Ion Ratio Lower Upper

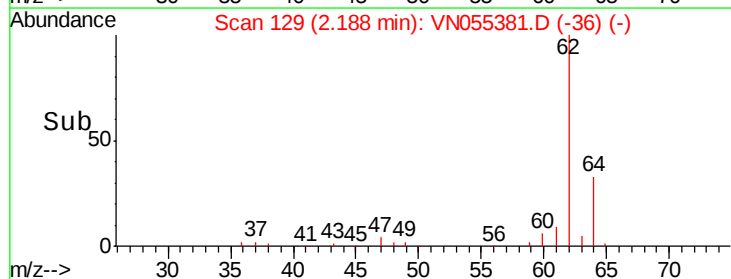
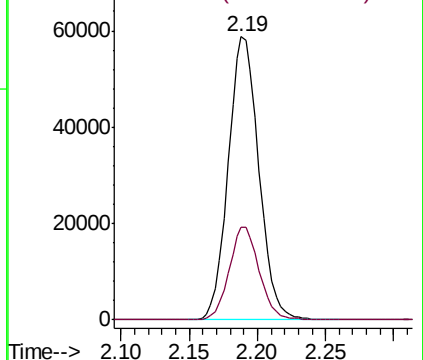
62 100

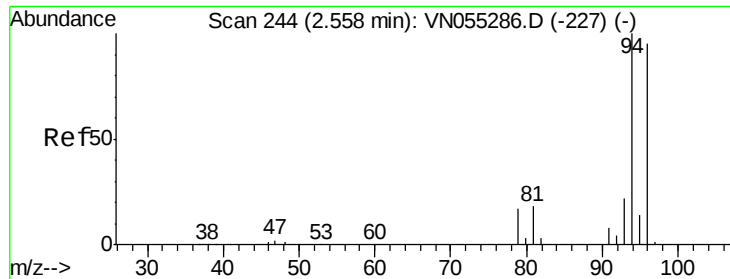
64 32.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 19.347 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBS01

Tgt Ion: 94 Resp: 49916

Ion Ratio Lower Upper

94 100

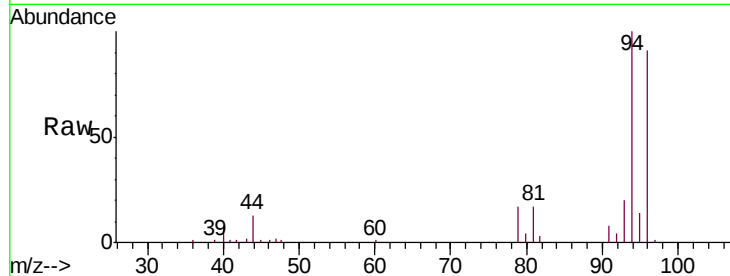
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Manual Integrations

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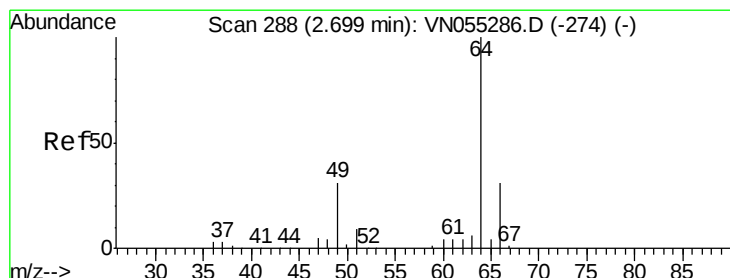
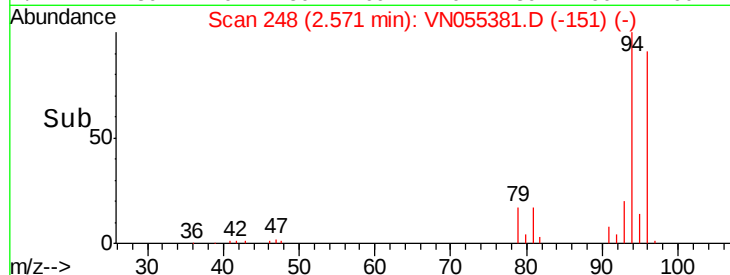
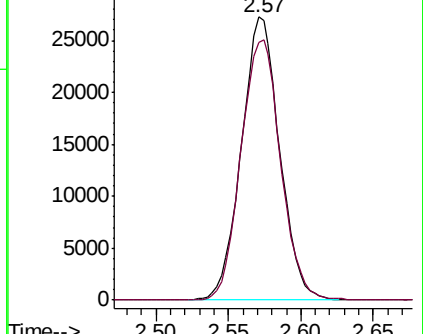
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.593 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN055381.D

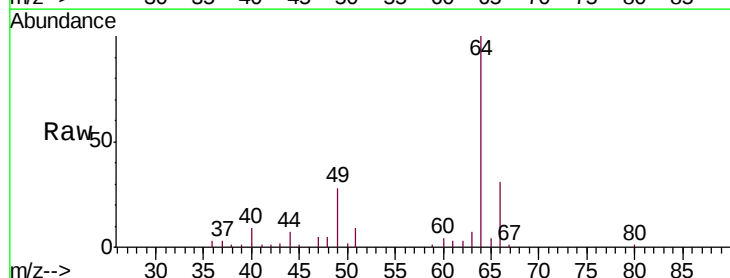
Acq: 3 May 2019 11:37

Tgt Ion: 64 Resp: 51700

Ion Ratio Lower Upper

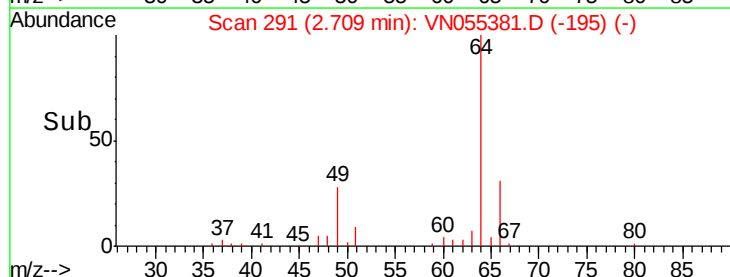
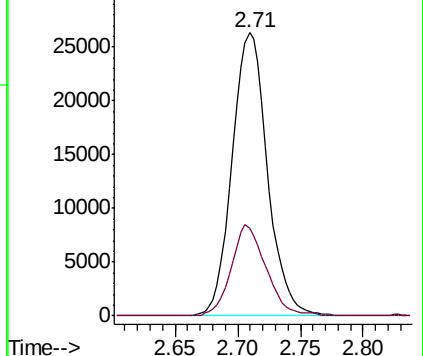
64 100

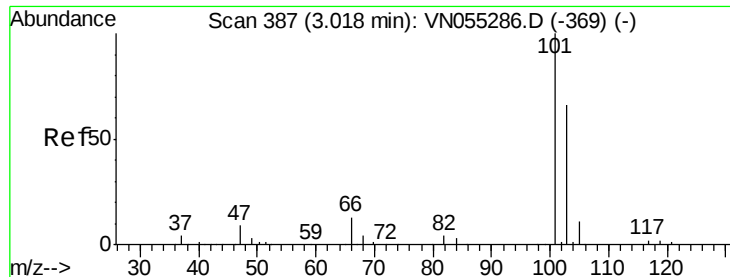
66 31.1 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

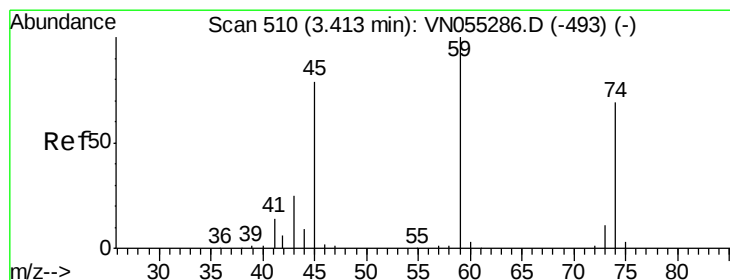
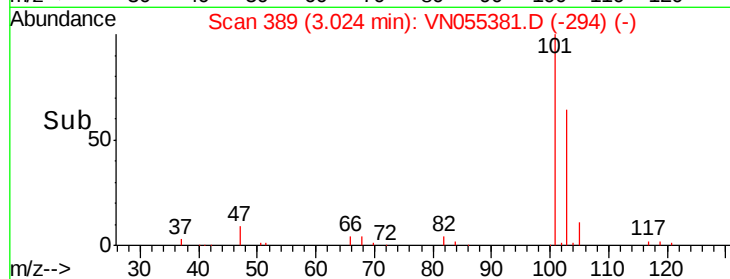
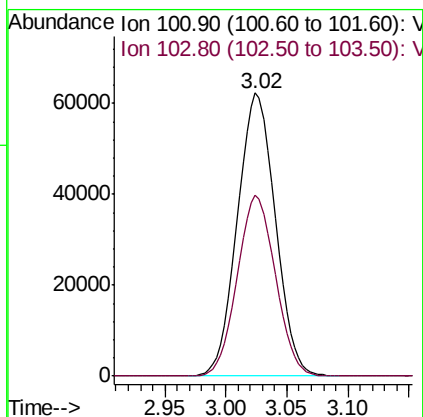
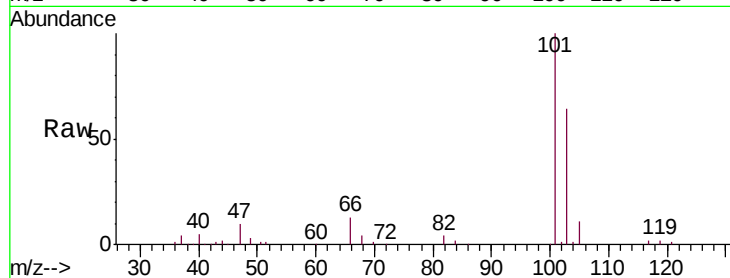
Trichlorofluoromethane
Concen: 19.374 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.01 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampled :
VN0503MBS01

Tgt Ion:101 Resp: 134184
Ion Ratio Lower Upper
101 100
103 64.0 52.6 79.0

Manual Integrations
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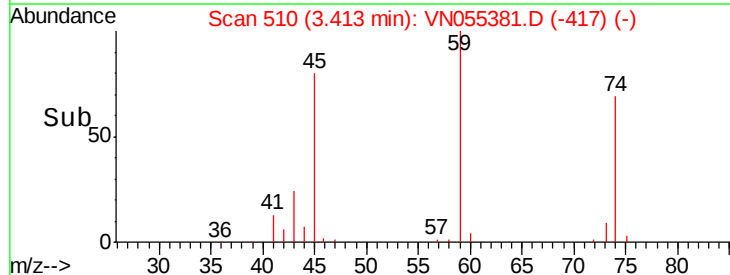
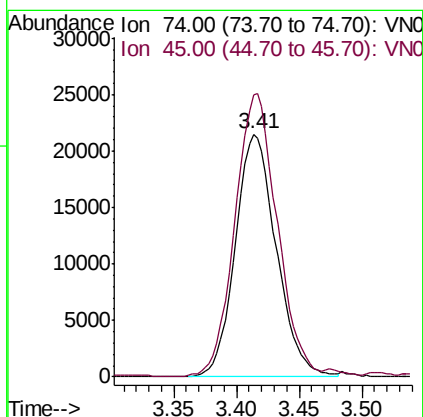
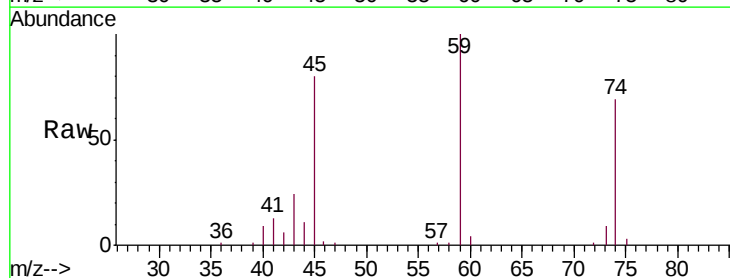
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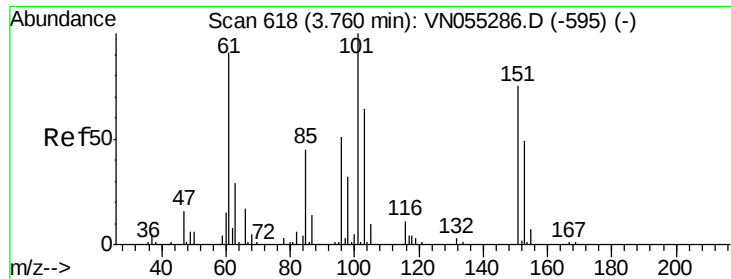


#8

Diethyl Ether
Concen: 20.164 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion: 74 Resp: 48862
Ion Ratio Lower Upper
74 100
45 120.5 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.292 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

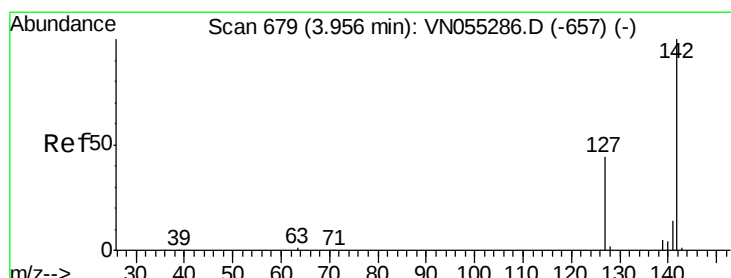
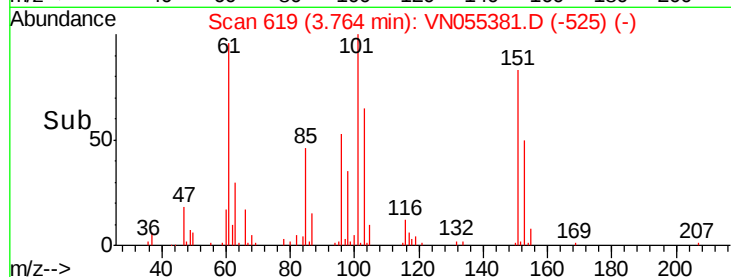
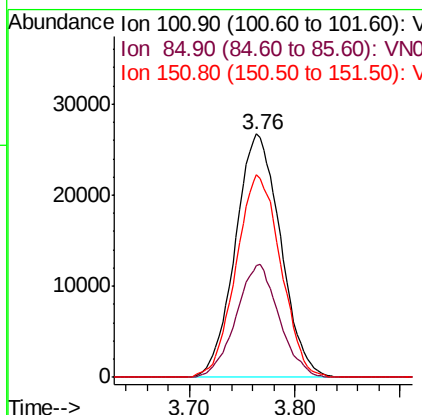
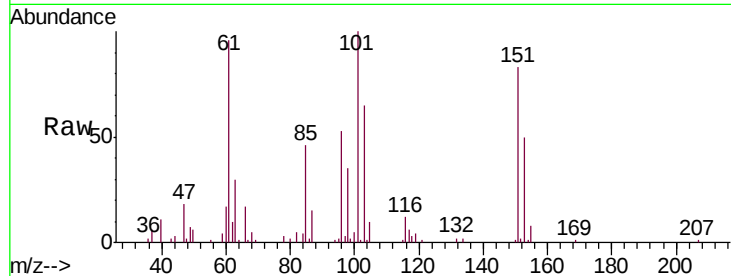
ClientSampleId :

VN0503MBS01

Tgt Ion:	101	Resp:	79569
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.7	53.5
151	82.1	63.3	94.9

Manual Integrations
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#10

Methyl Iodide

Concen: 18.614 ug/l

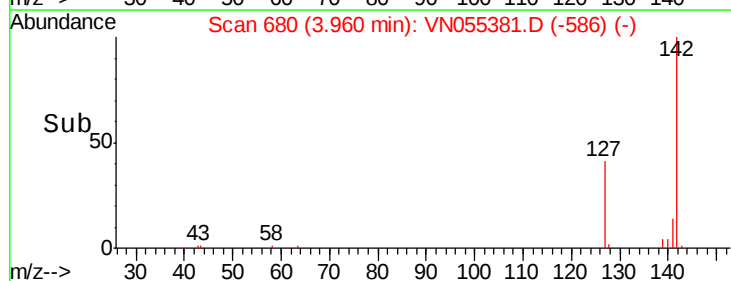
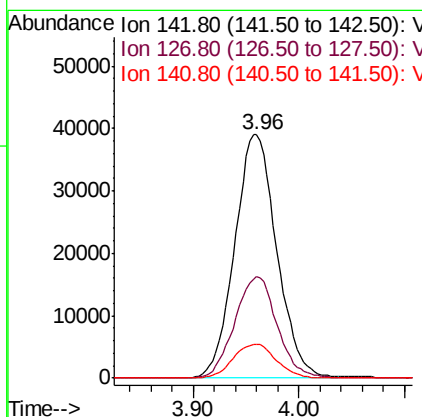
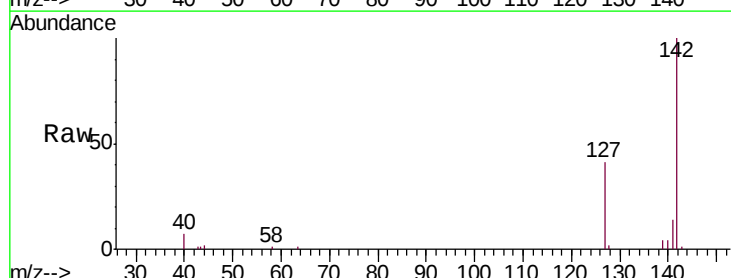
RT: 3.96 min Scan# 680

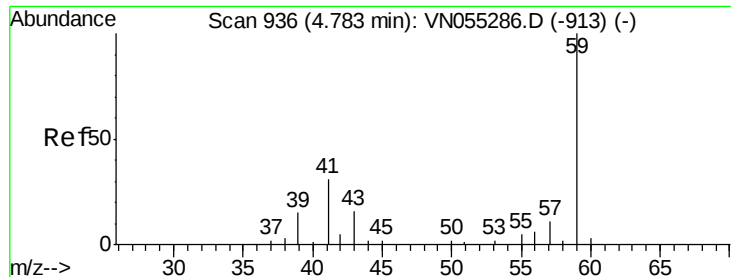
Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Tgt Ion:	142	Resp:	108046
Ion Ratio	Lower	Upper	
142	100		
127	41.9	34.4	51.6
141	14.2	11.5	17.3





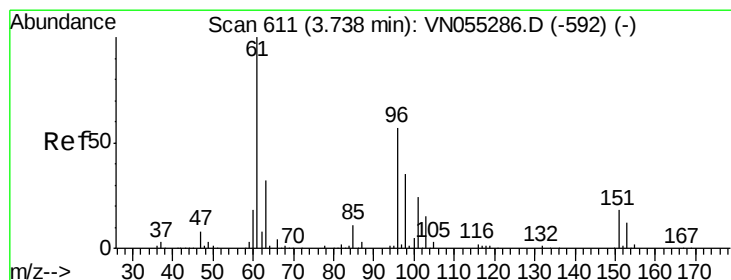
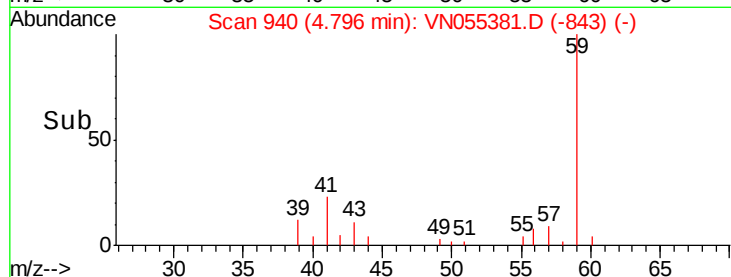
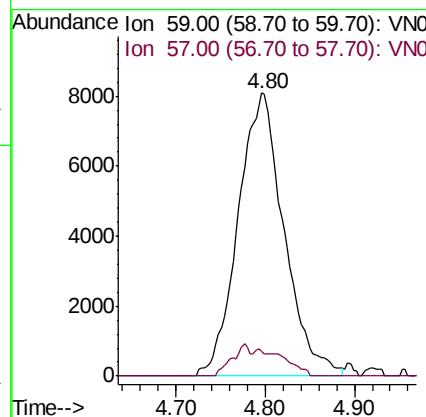
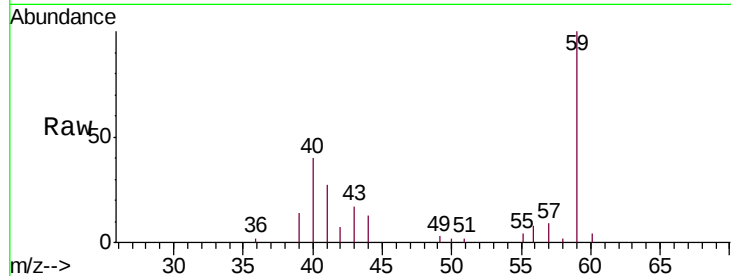
#11
Tert butyl alcohol
Concen: 96.946 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.01 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampled :
VN0503MBS01

Tgt Ion: 59 Resp: 28921
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

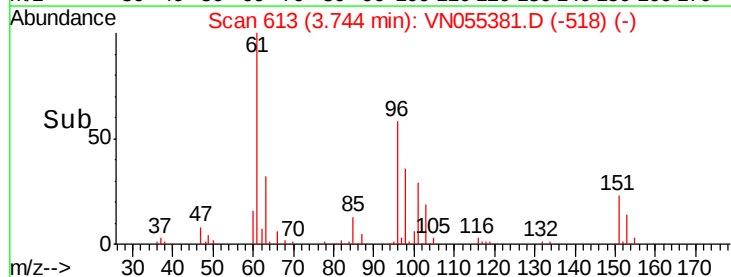
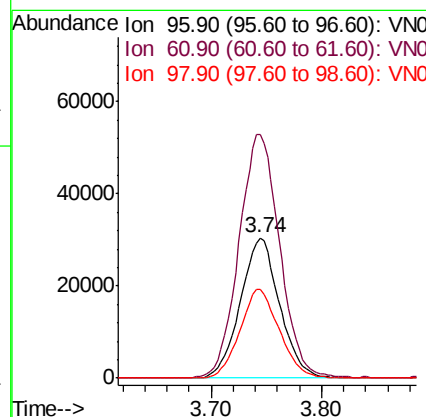
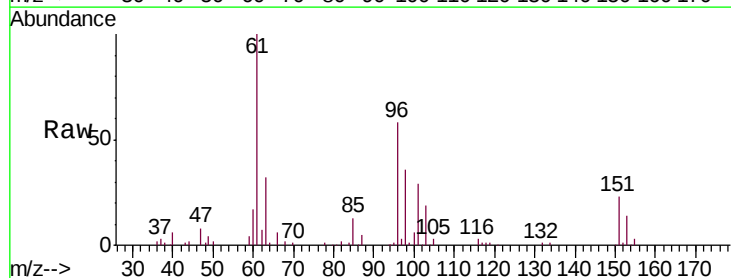
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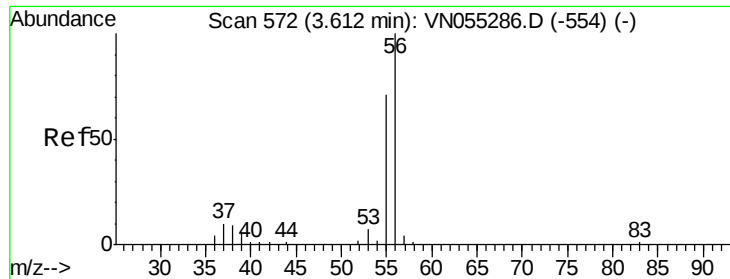
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.099 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion: 96 Resp: 75143
Ion Ratio Lower Upper
96 100
61 173.2 140.9 211.3
98 63.2 50.0 75.0





#13

Acrolein

Concen: 55.083 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBS01

Tgt Ion: 56 Resp: 12833

Ion Ratio Lower Upper

56 100

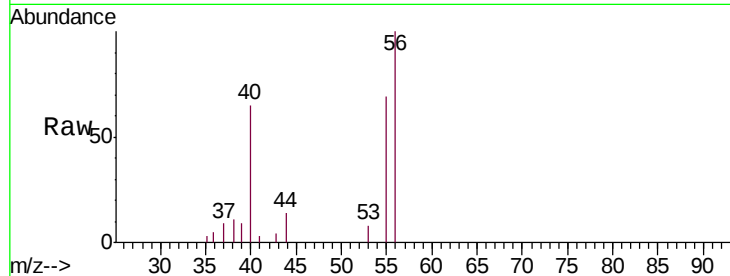
55 69.4 57.4 86.2

Manual Integrations

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MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN055286.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN055286.D (-554) (-)

3.61

5000

4000

3000

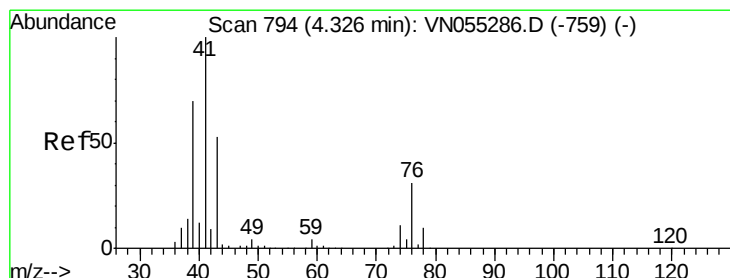
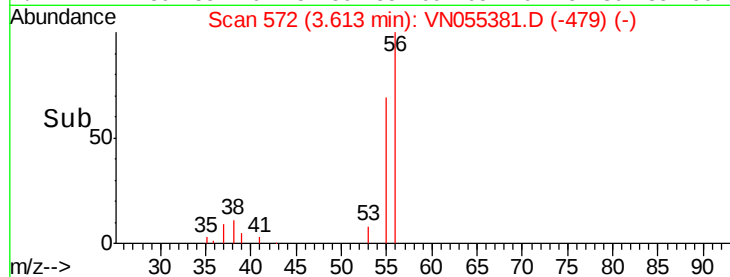
2000

1000

0

3.55 3.60 3.65 3.70

Time-->



#14

Allyl chloride

Concen: 19.672 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

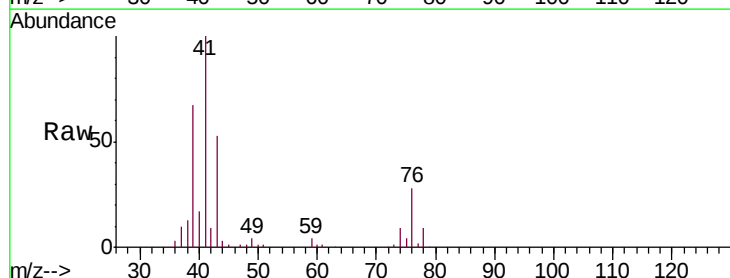
Tgt Ion: 41 Resp: 160301

Ion Ratio Lower Upper

41 100

39 66.5 53.0 79.6

76 27.9 22.7 34.1



Abundance Ion 41.00 (40.70 to 41.70): VN055286.D (-759) (-)

Ion 39.00 (38.70 to 39.70): VN055286.D (-759) (-)

Ion 75.90 (75.60 to 76.60): VN055286.D (-759) (-)

4.33

60000

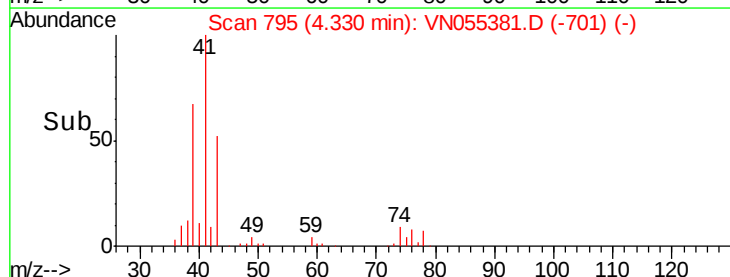
40000

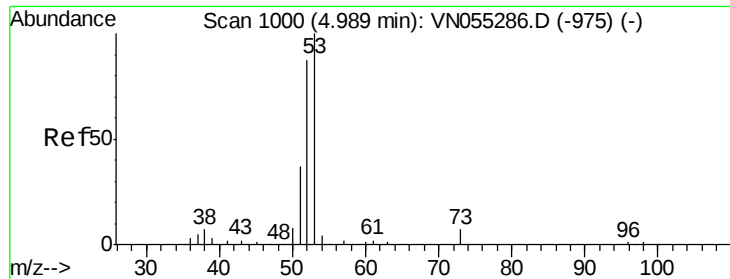
20000

0

4.20 4.30 4.40

Time-->





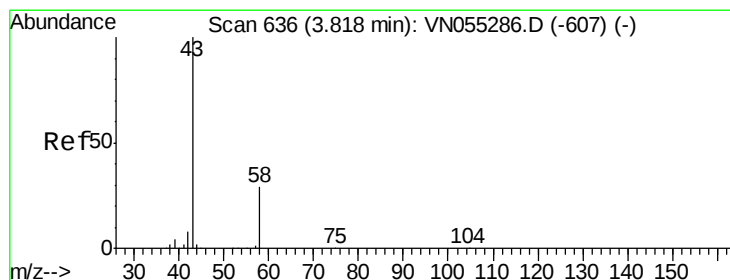
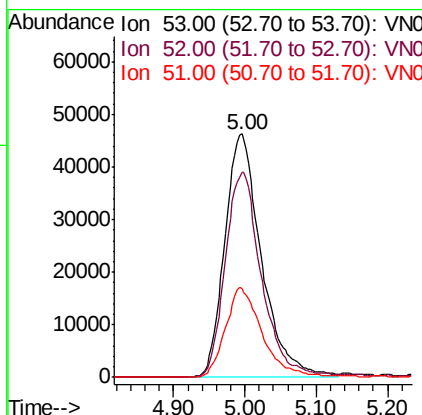
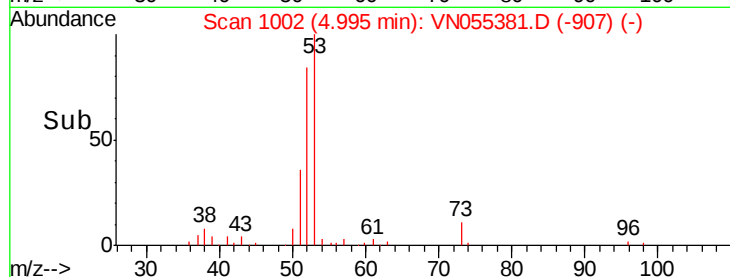
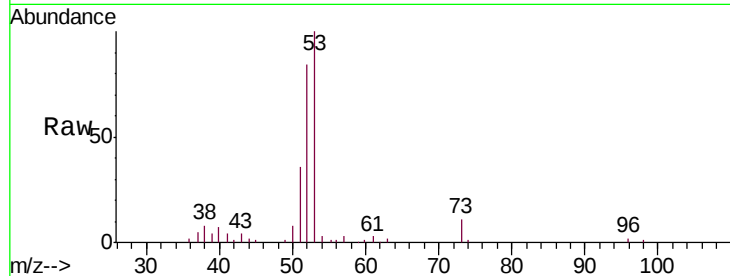
#15
 Acrylonitrile
 Concen: 98.876 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0503MBS01

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.5	99.7
51	36.9	29.6	44.4

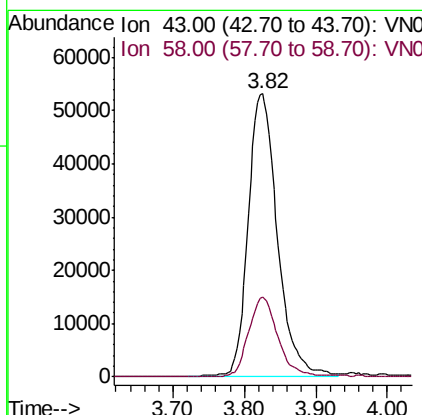
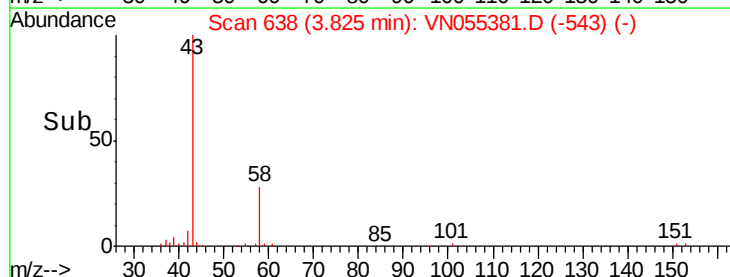
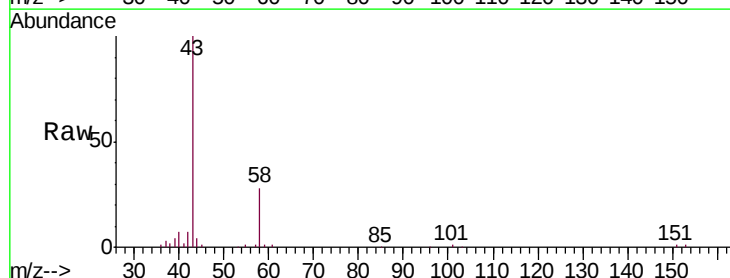
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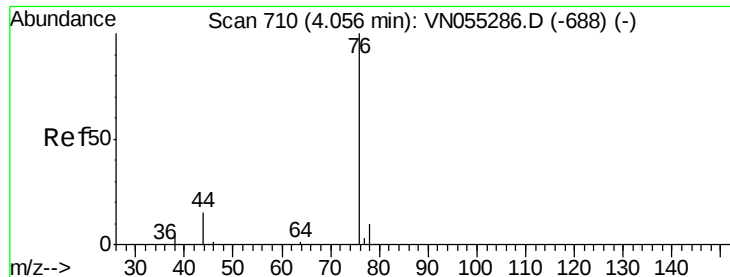
MMDadoda
 5/6/2019 10:47:53 AM



#16
 Acetone
 Concen: 93.751 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.1	23.6	35.4





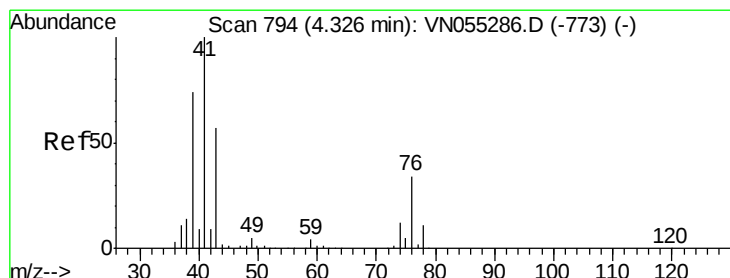
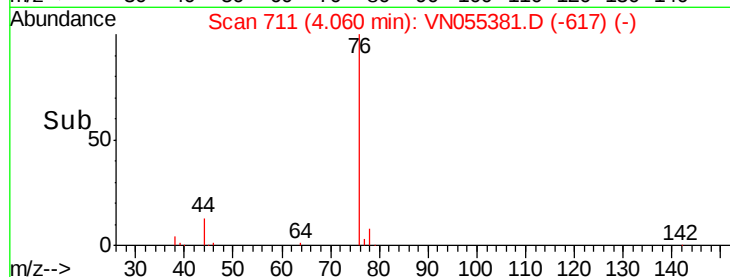
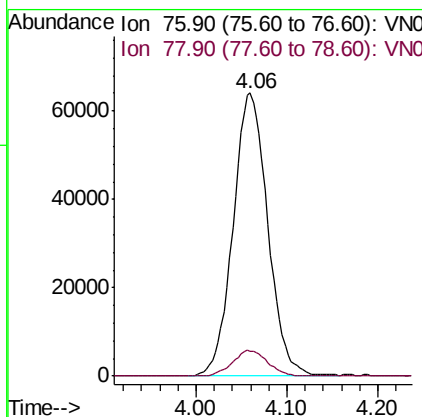
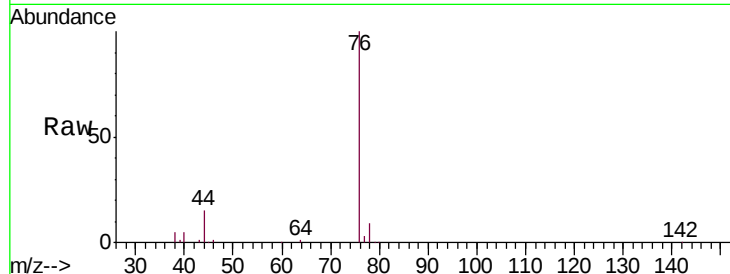
#17
Carbon Disulfide
Concen: 16.517 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

Tgt Ion: 76 Resp: 169595
Ion Ratio Lower Upper
76 100
78 8.8 7.6 11.4

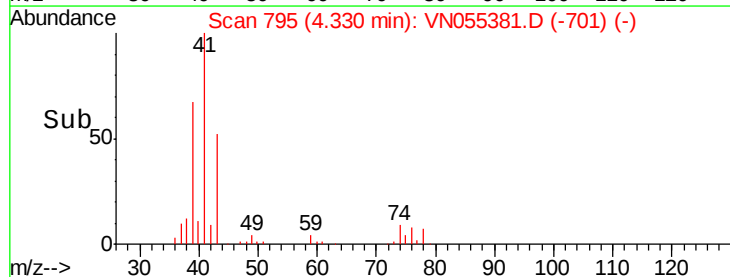
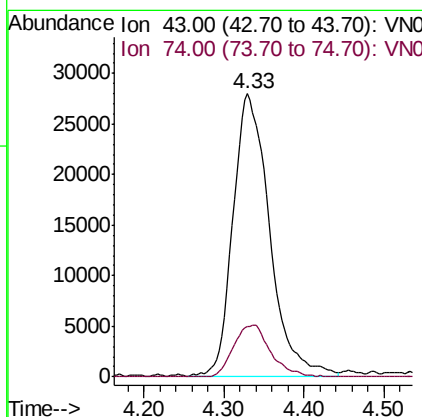
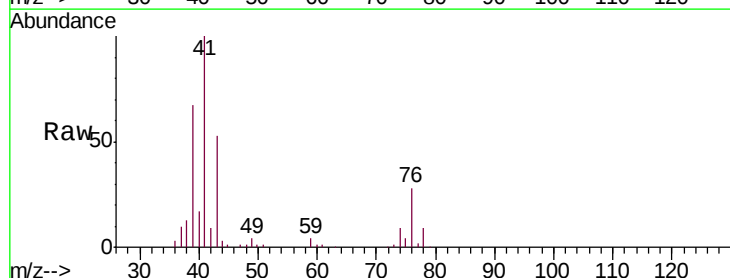
Manual Integrations
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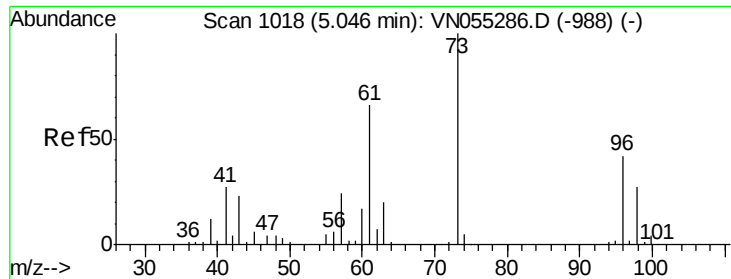
MMDadoda
5/6/2019 10:47:53 AM



#18
Methyl Acetate
Concen: 21.539 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion: 43 Resp: 87518
Ion Ratio Lower Upper
43 100
74 18.3 15.8 23.8





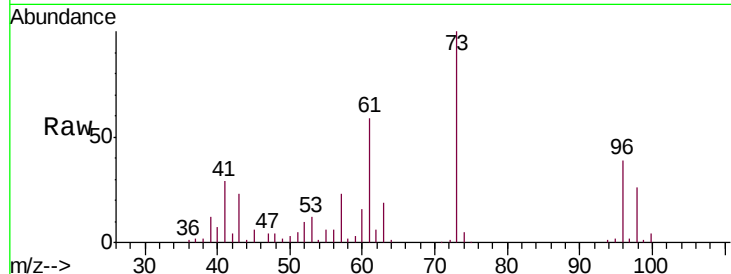
#19
Methyl tert-butyl Ether
Concen: 20.942 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

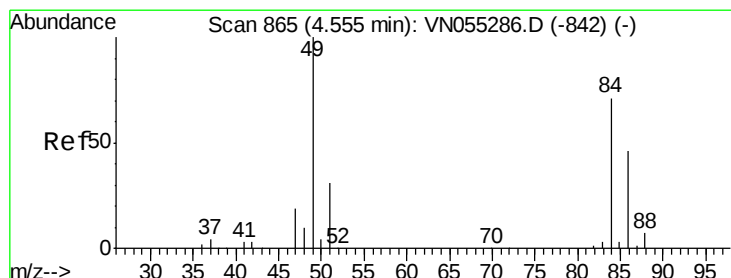
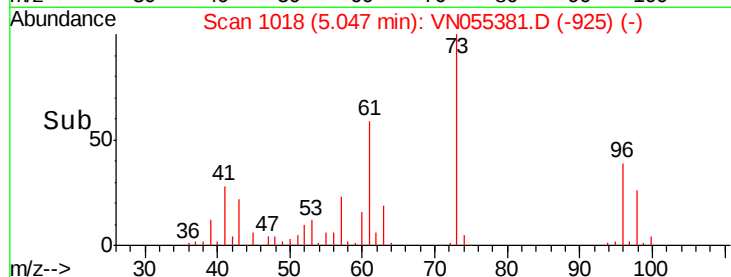
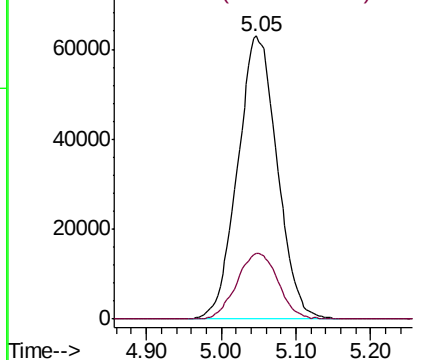
Tgt Ion: 73 Resp: 231631
Ion Ratio Lower Upper
73 100
57 23.4 19.1 28.7

Manual Integrations
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MMDadoda
5/6/2019 10:47:53 AM



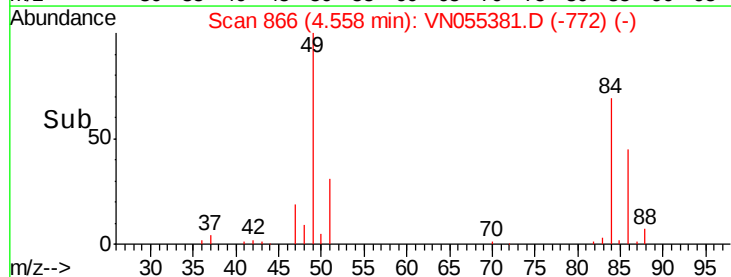
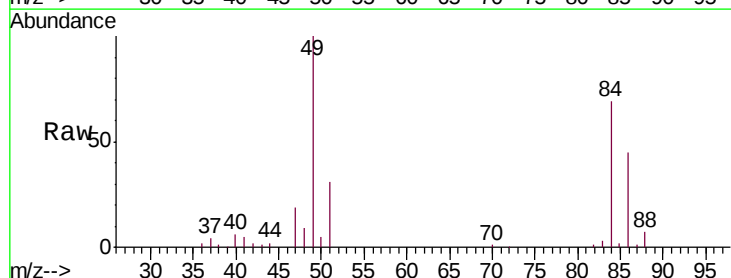
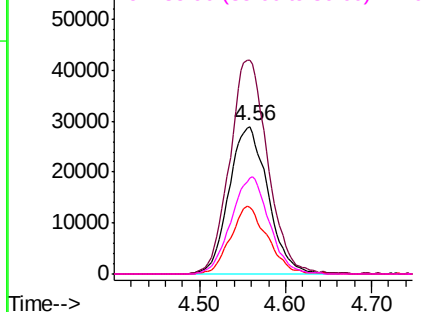
Abundance Ion 73.00 (72.70 to 73.70): VN055286.D (-988) (-)
Ion 57.00 (56.70 to 57.70): VN055286.D (-988) (-)

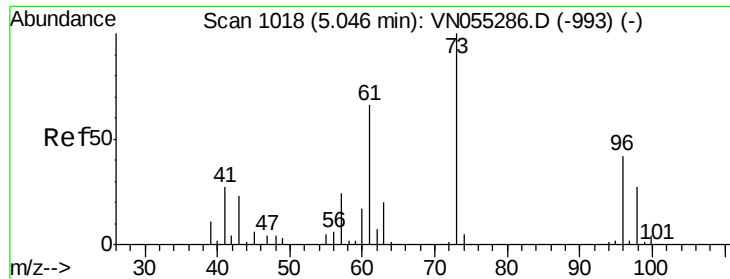


#20
Methylene Chloride
Concen: 18.310 ug/l
RT: 4.56 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion: 84 Resp: 90738
Ion Ratio Lower Upper
84 100
49 144.8 112.4 168.6
51 45.3 34.6 51.8
86 64.7 51.9 77.9

Abundance Ion 83.90 (83.60 to 84.60): VN055286.D (-842) (-)
Ion 48.90 (48.60 to 49.60): VN055286.D (-842) (-)
Ion 50.90 (50.60 to 51.60): VN055286.D (-842) (-)
Ion 85.90 (85.60 to 86.60): VN055286.D (-842) (-)





#21

trans-1,2-Dichloroethene

Concen: 19.067 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

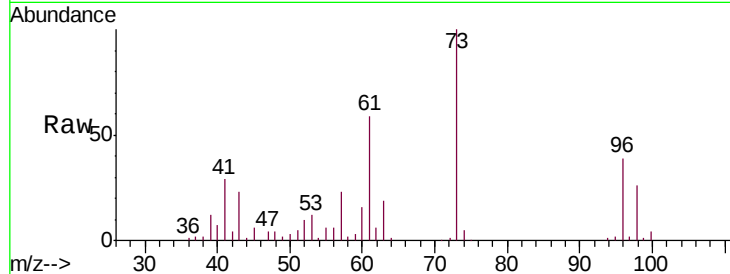
ClientSampled :

VN0503MBS01

Tgt Ion:	96	Resp:	79449
Ion	Ratio	Lower	Upper
96	100		
61	153.8	126.2	189.4
98	66.6	52.2	78.2

Manual Integrations
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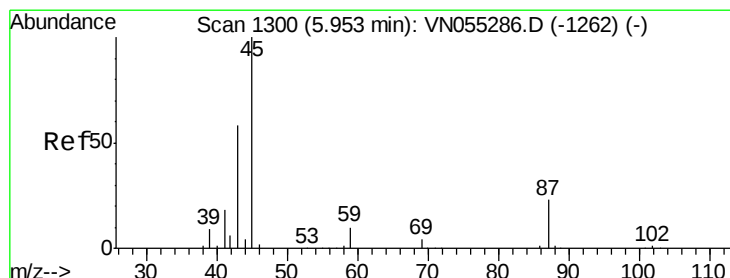
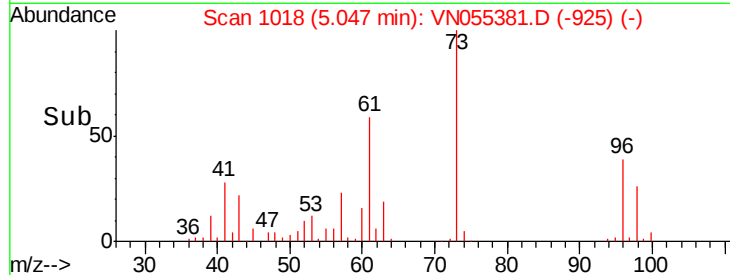
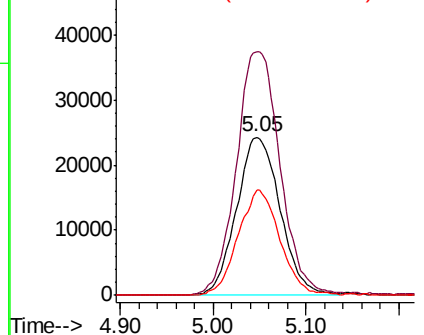


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 20.819 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Tgt Ion:	45	Resp:	337076
Ion	Ratio	Lower	Upper
45	100		
43	65.2	46.6	70.0
87	20.9	18.1	27.1
59	10.3	8.2	12.2

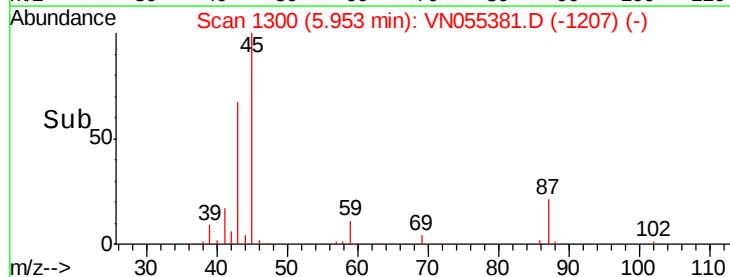
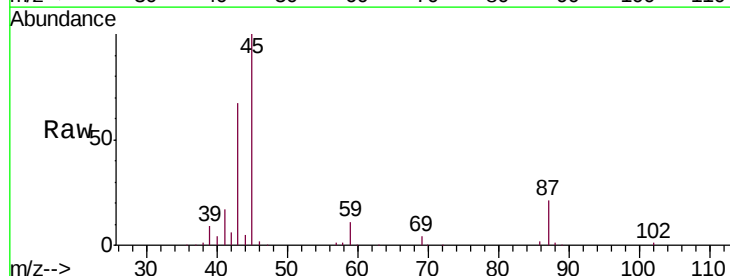
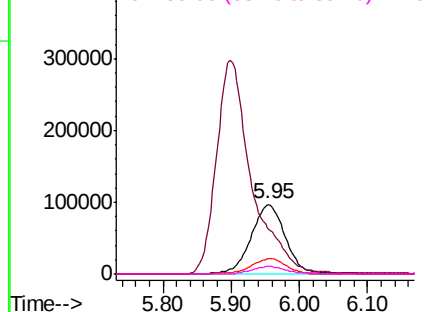
Abundance

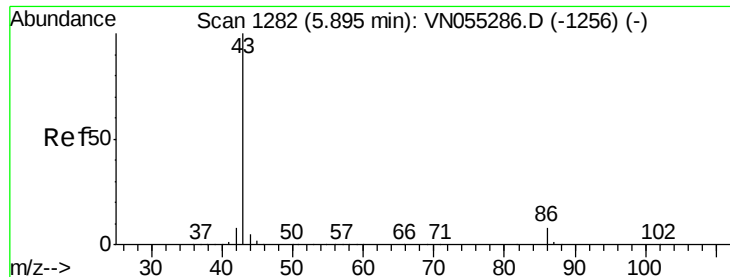
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





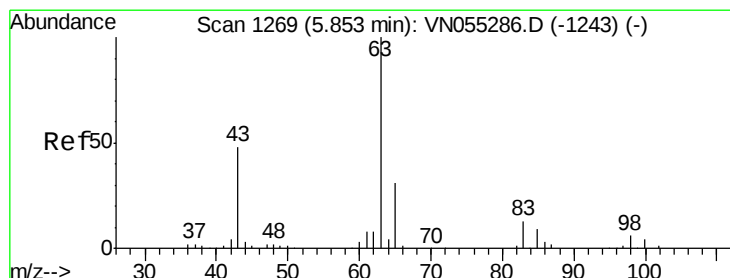
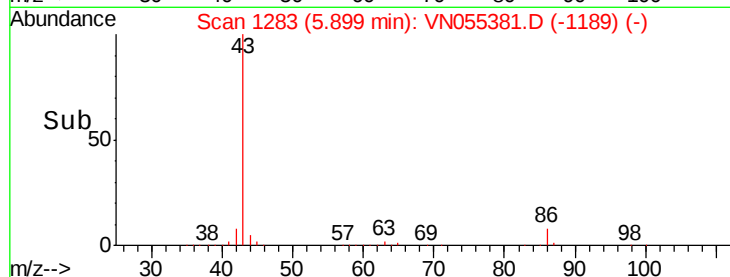
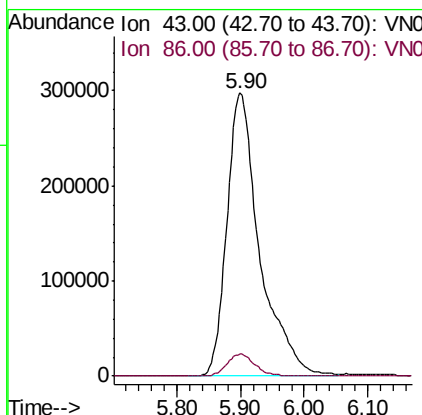
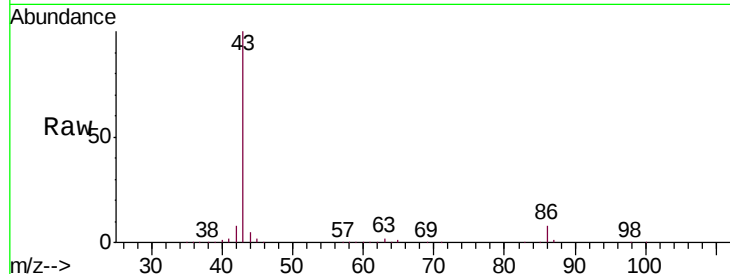
#23
 Vinyl Acetate
 Concen: 100.635 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503MBS01

Tgt Ion: 43 Resp: 1067872
 Ion Ratio Lower Upper
 43 100
 86 7.8 6.6 10.0

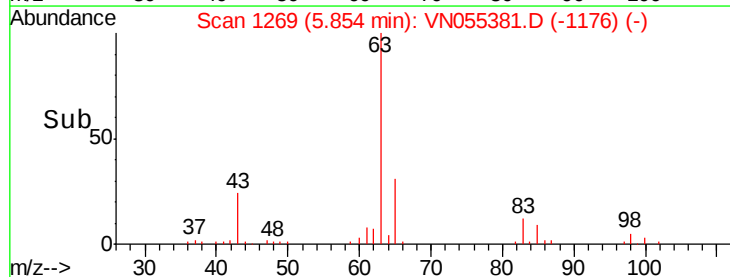
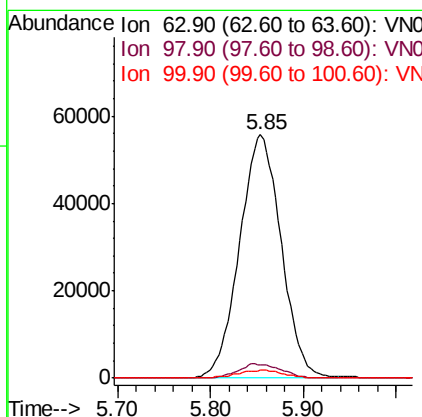
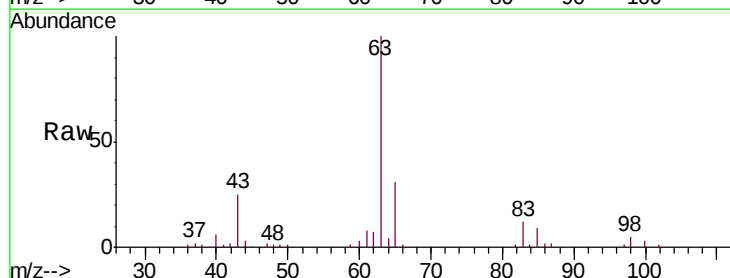
Manual Integrations
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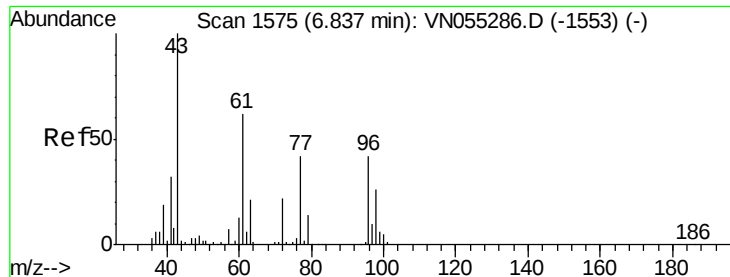
MMDadoda
 5/6/2019 10:47:53 AM



#24
 1,1-Dichloroethane
 Concen: 20.112 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Tgt Ion: 63 Resp: 173496
 Ion Ratio Lower Upper
 63 100
 98 5.3 3.0 9.0
 100 3.2 1.8 5.4





#25

2-Butanone

Concen: 96.507 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBS01

Tgt Ion: 43 Resp: 200379

Ion Ratio Lower Upper

43 100

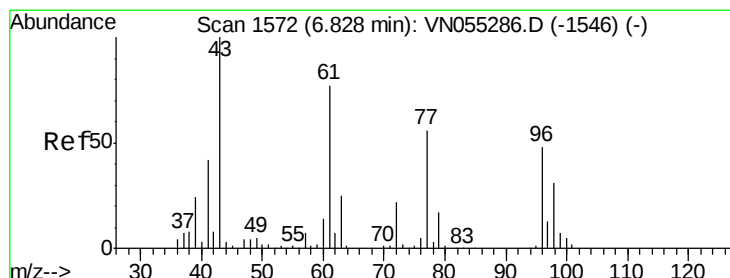
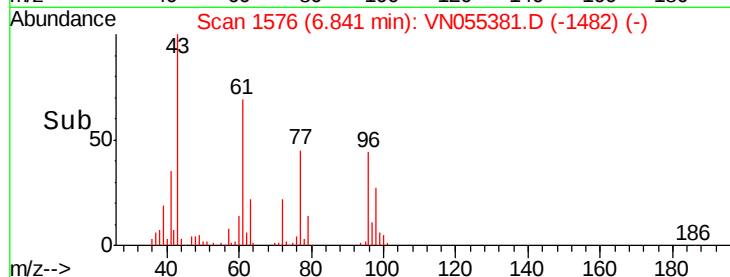
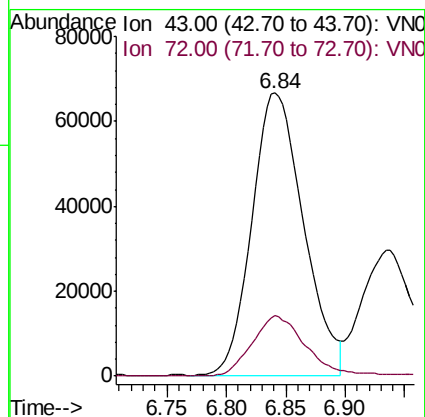
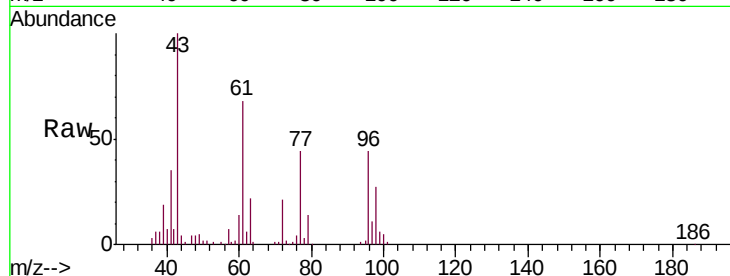
72 21.4 18.0 27.0

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#26

2,2-Dichloropropane

Concen: 19.526 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055381.D

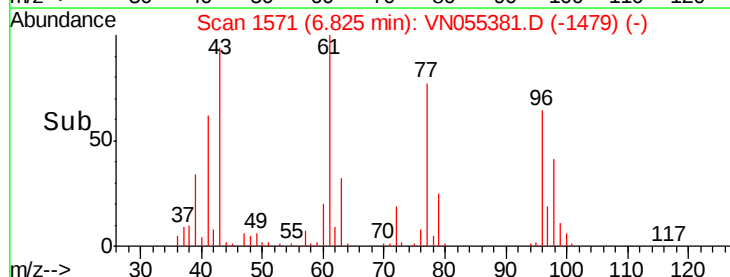
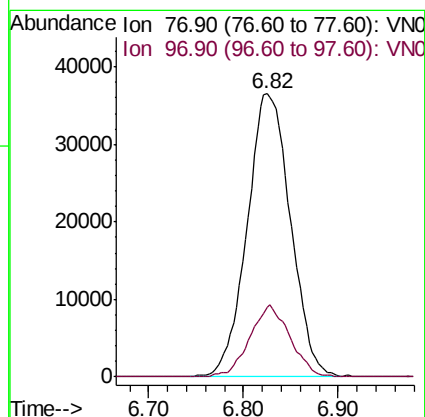
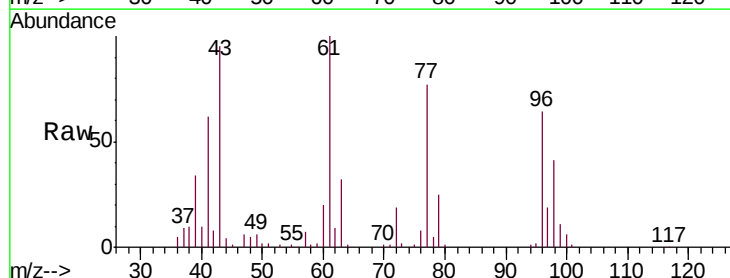
Acq: 3 May 2019 11:37

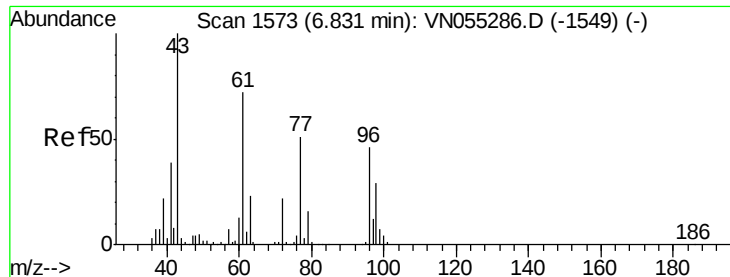
Tgt Ion: 77 Resp: 116315

Ion Ratio Lower Upper

77 100

97 23.5 11.4 34.2





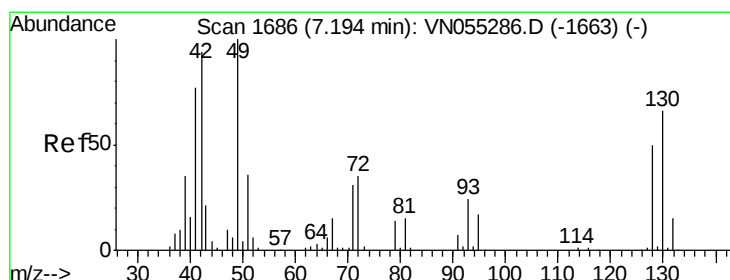
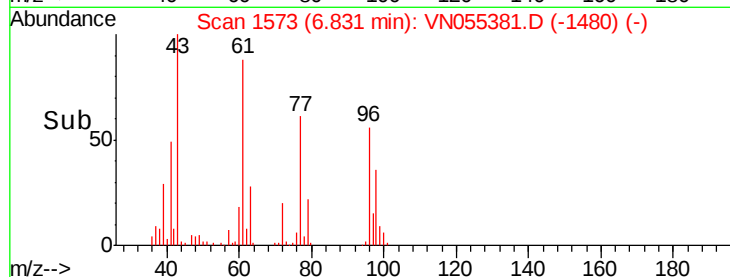
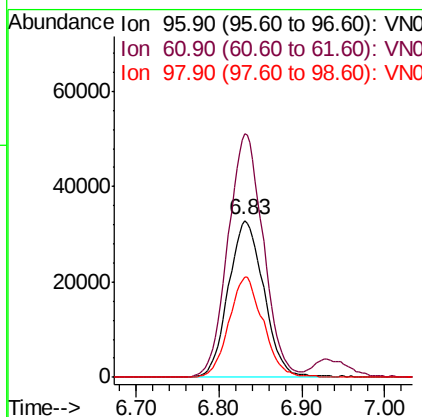
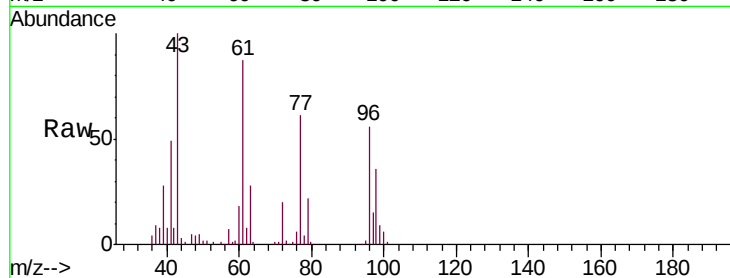
#27
 cis-1,2-Dichloroethene
 Concen: 20.592 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	97578		
61	155.1	0.0	316.2	
98	61.7	0.0	126.6	

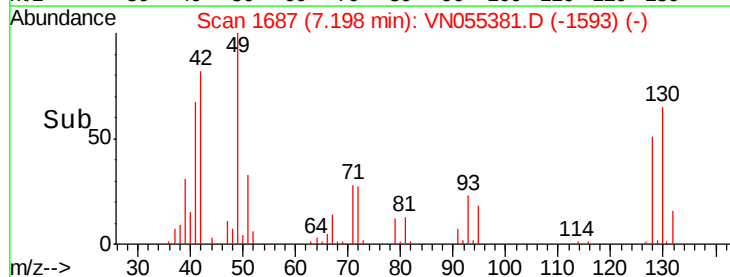
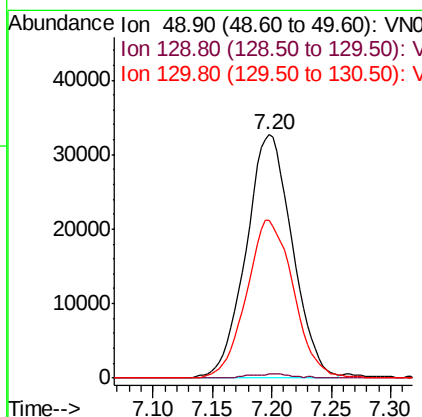
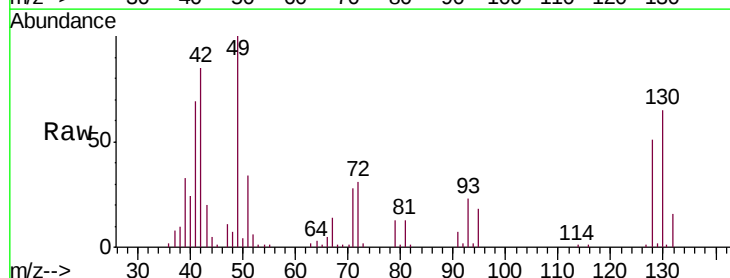
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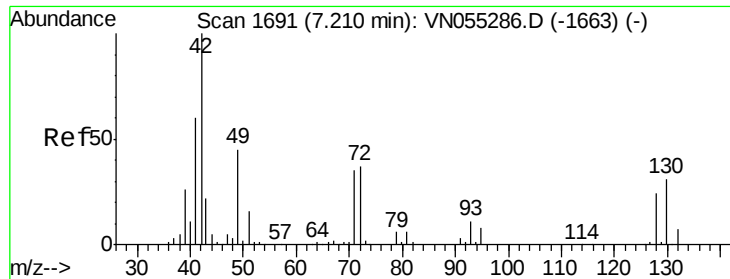
MMDadoda
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#28
 Bromochloromethane
 Concen: 20.241 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	88013		
129	1.4	0.0	2.4	
130	65.8	52.0	78.0	





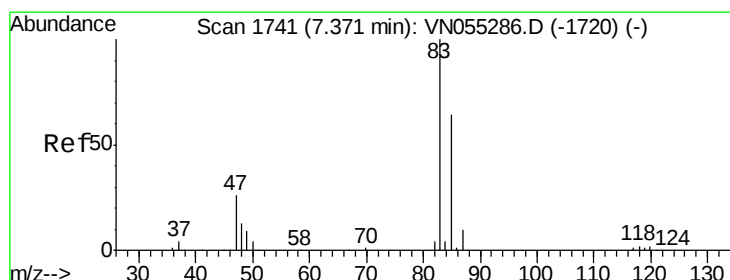
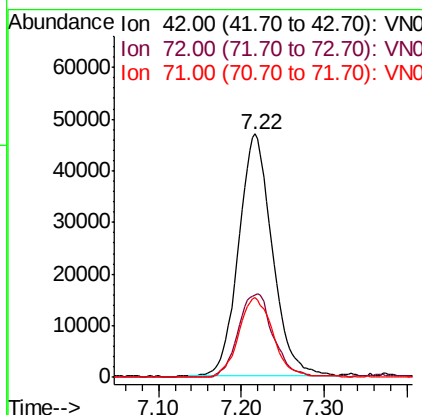
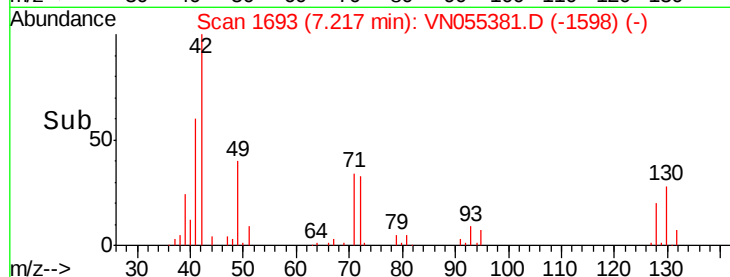
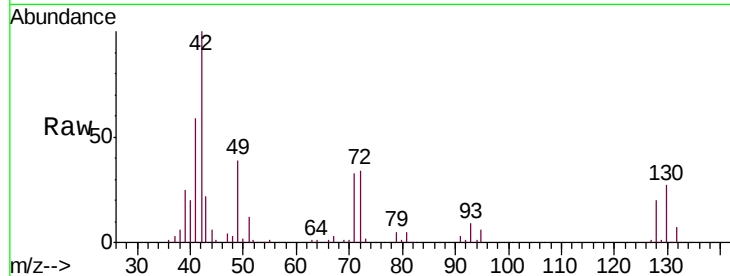
#29
Tetrahydrofuran
Concen: 99.857 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.7	29.0	43.6
71	33.5	27.1	40.7

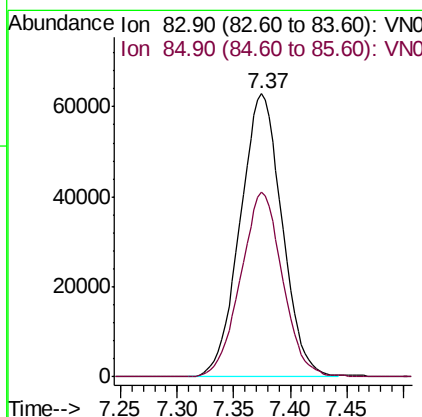
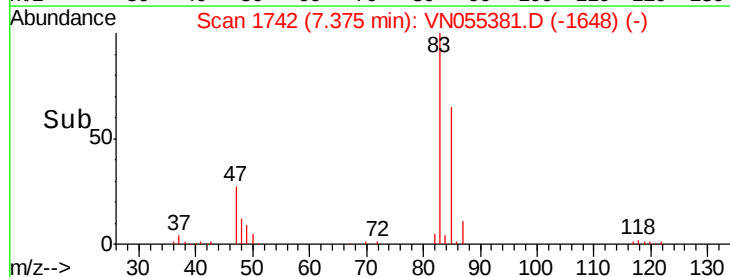
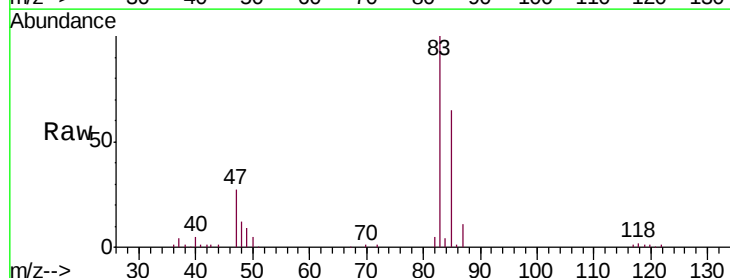
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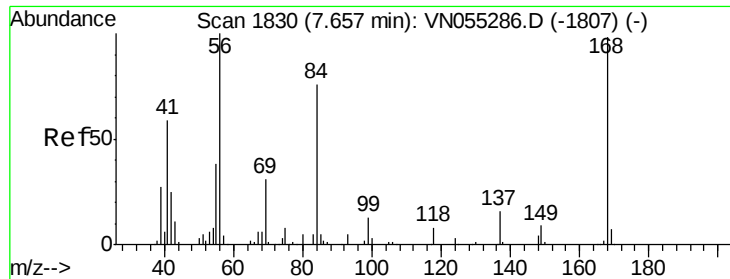
MMDadoda
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#30
Chloroform
Concen: 19.813 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.4	77.2





#31

Cyclohexane

Concen: 18.820 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

VN0503MBS01

Tgt Ion: 56 Resp: 154247
Ion Ratio Lower Upper

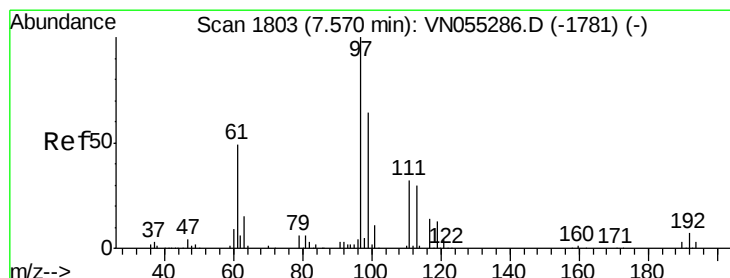
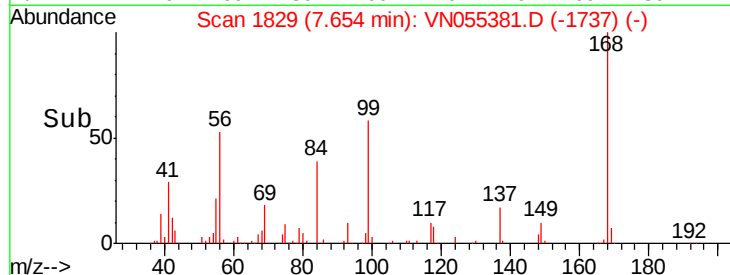
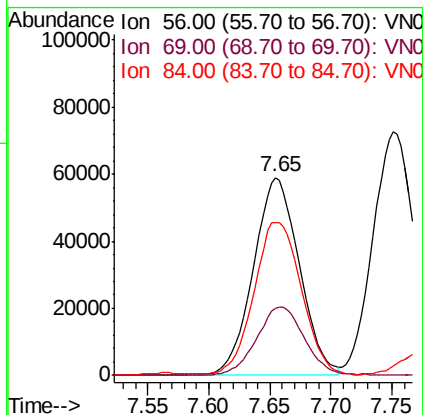
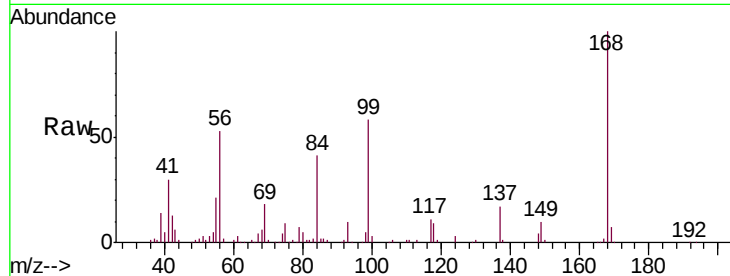
56 100

69 34.0 25.2 37.8

84 76.0 61.1 91.7

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#32

1,1,1-Trichloroethane

Concen: 19.407 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VN055381.D

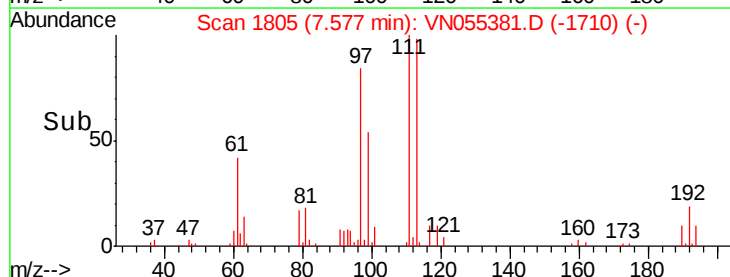
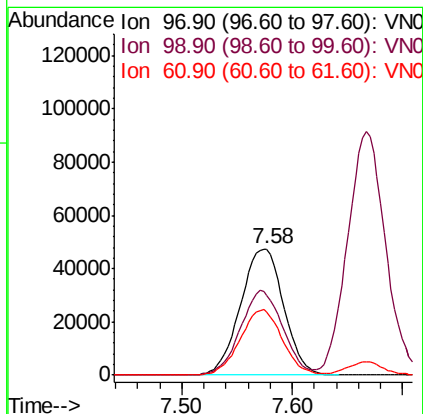
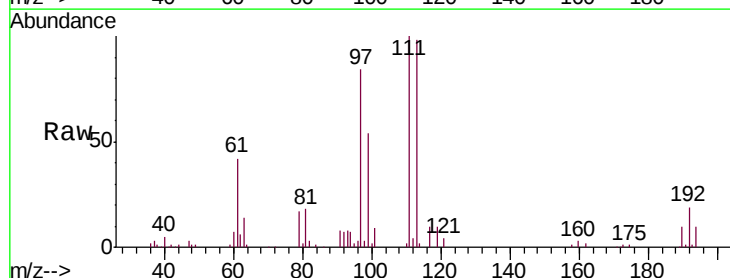
Acq: 3 May 2019 11:37

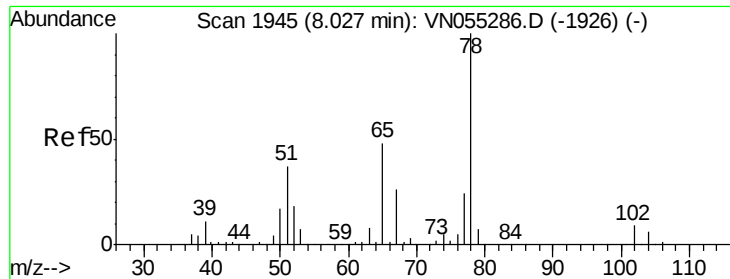
Tgt Ion: 97 Resp: 128801
Ion Ratio Lower Upper

97 100

99 65.4 51.8 77.8

61 50.4 39.0 58.6





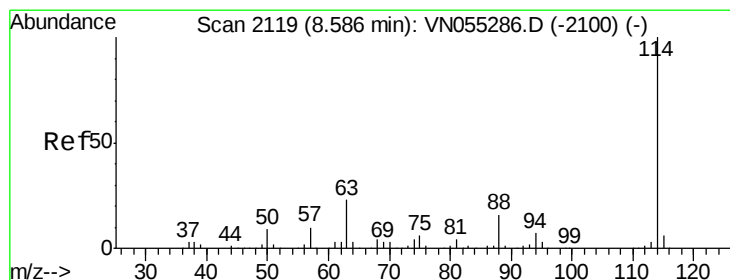
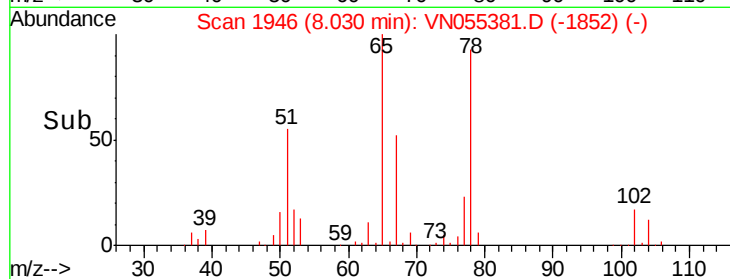
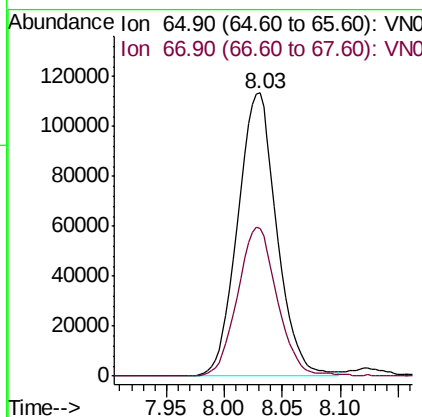
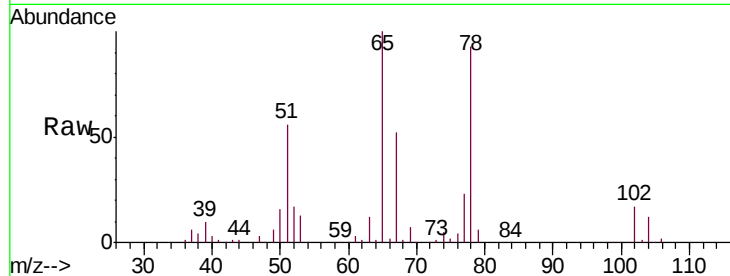
#33
 1,2-Dichloroethane-d4
 Concen: 51.067 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503MBS01

Tgt Ion: 65 Resp: 266087
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.8

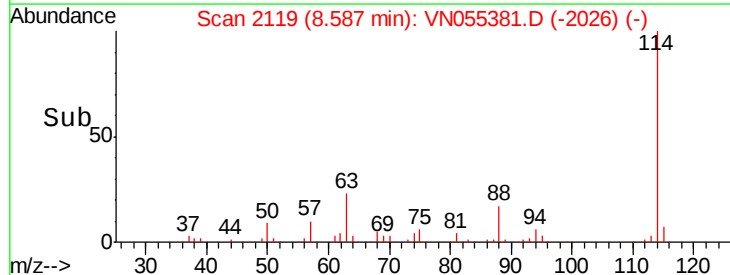
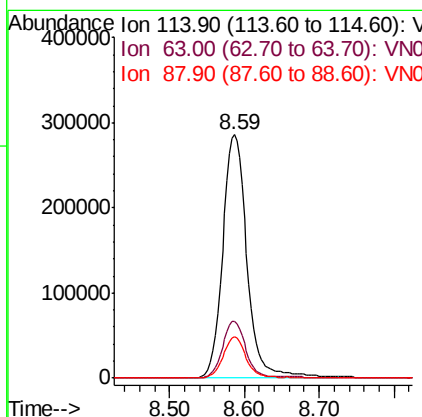
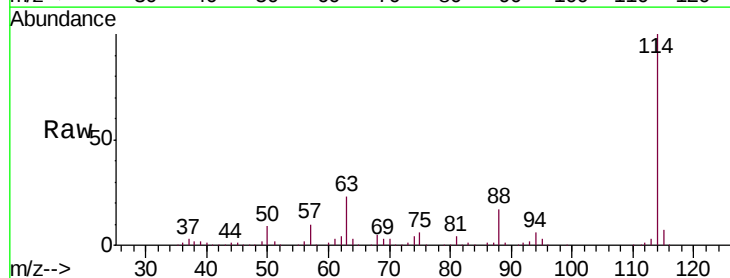
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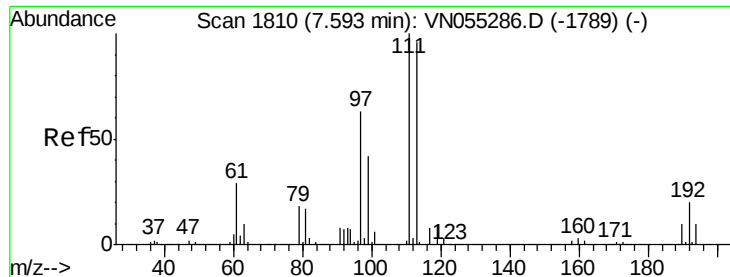
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Tgt Ion: 114 Resp: 642831
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 45.2
 88 16.8 0.0 31.6





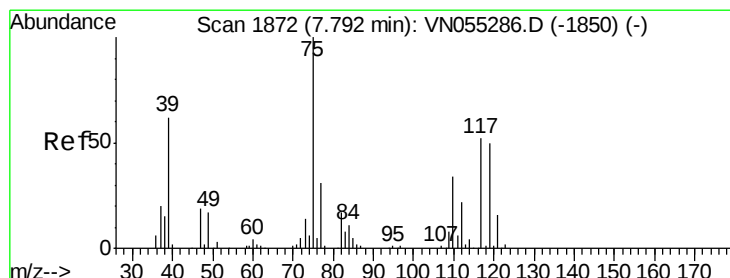
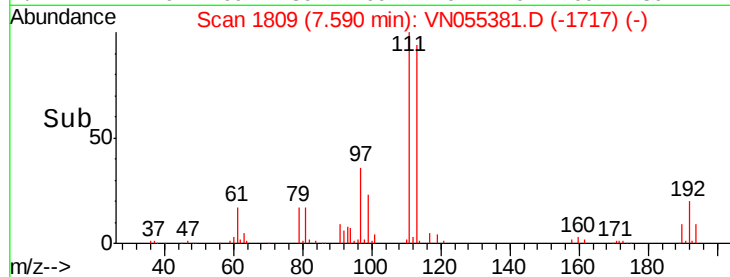
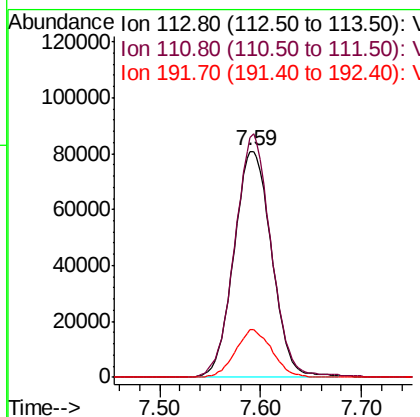
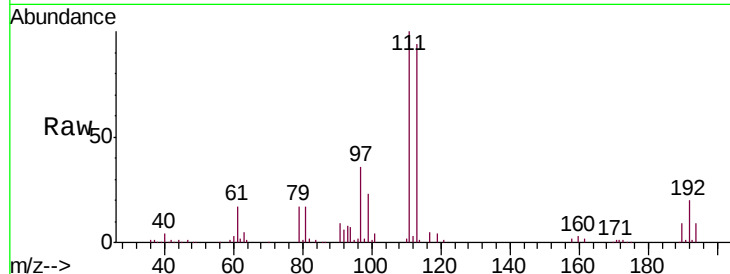
#35
Dibromofluoromethane
Concen: 49.664 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	209547		
111	103.6	82.3	123.5	
192	20.6	17.0	25.6	

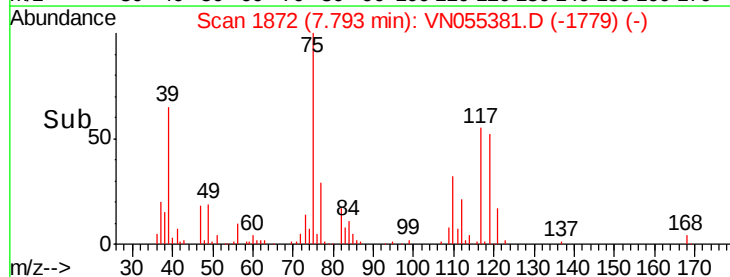
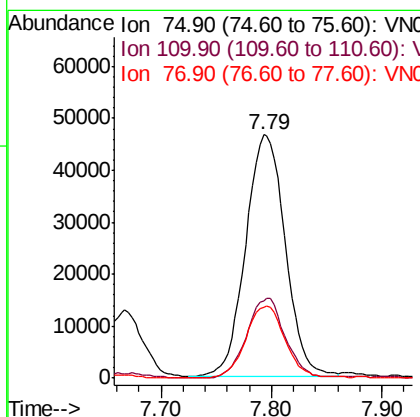
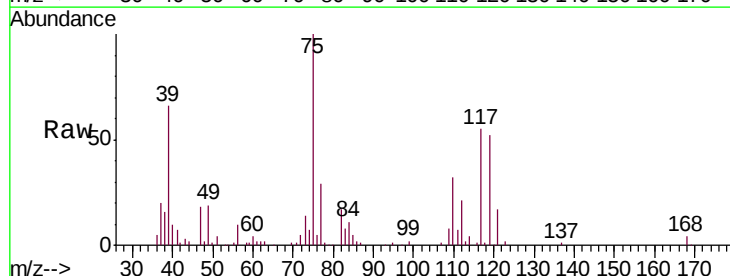
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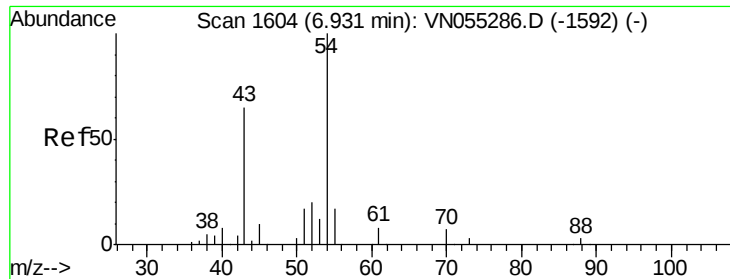
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#36
1,1-Dichloropropene
Concen: 18.758 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	115499		
110	32.2	16.8	50.4	
77	30.2	25.0	37.6	





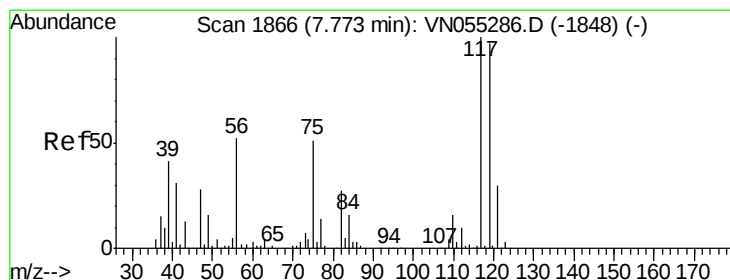
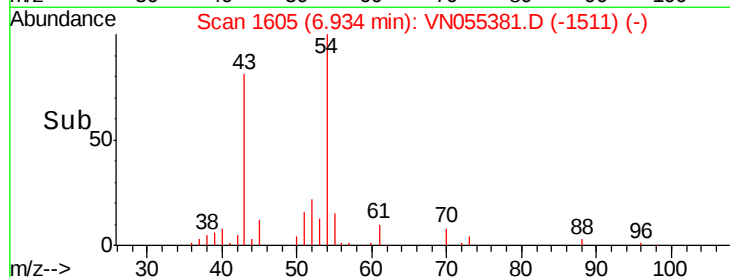
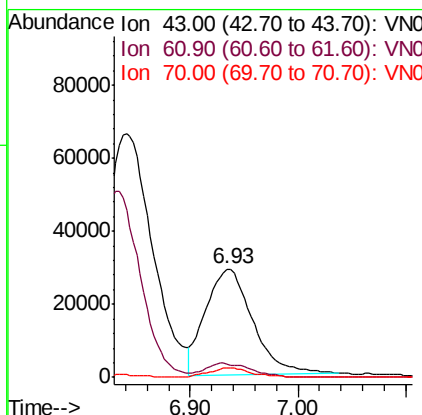
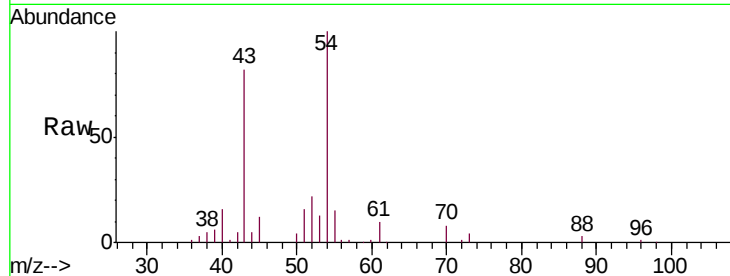
#37
Ethyl Acetate
Concen: 18.690 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.4	15.6
70	8.3	6.6	10.0

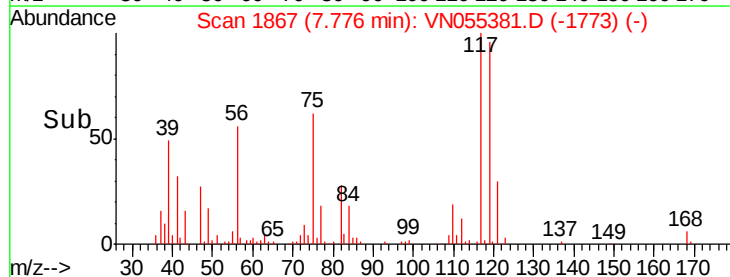
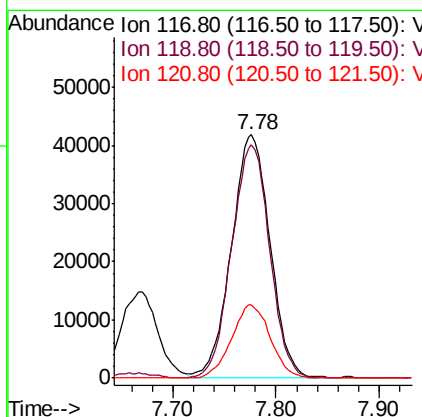
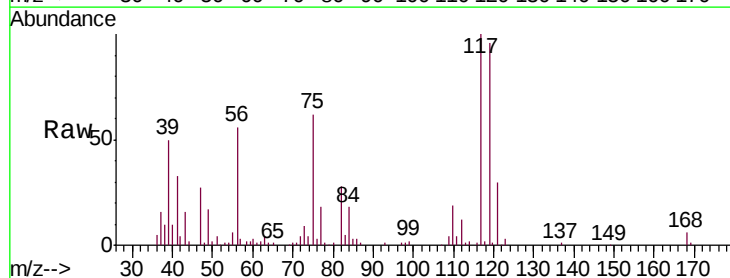
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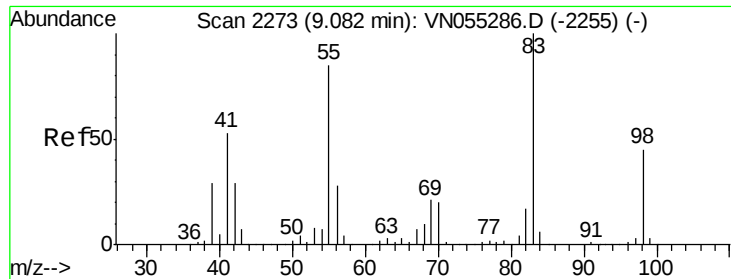
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#38
Carbon Tetrachloride
Concen: 18.384 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.0	115.6
121	30.0	23.8	35.8





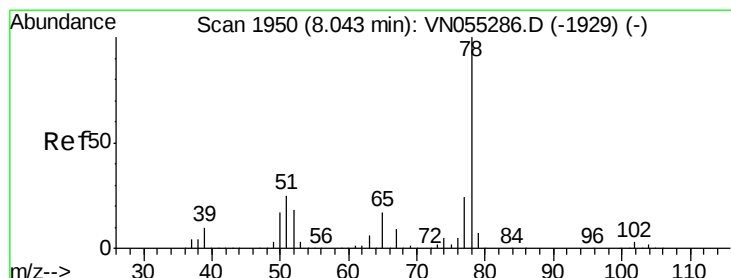
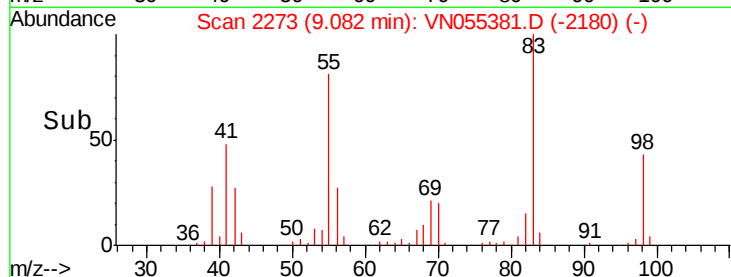
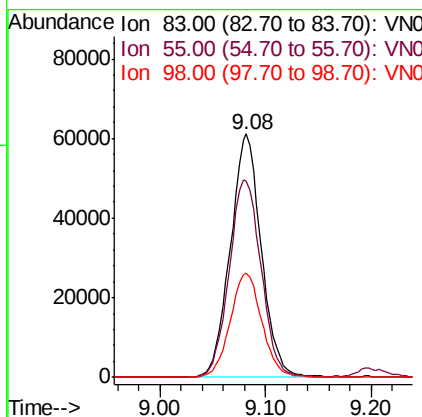
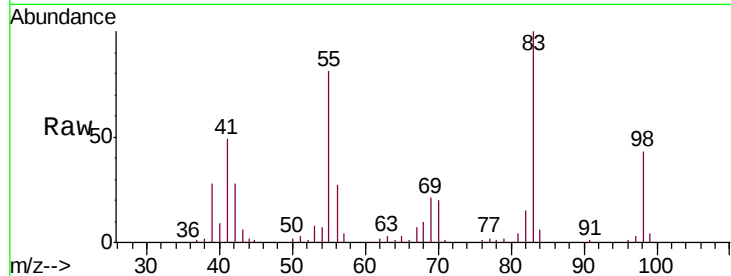
#39
Methylcyclohexane
Concen: 18.942 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.9	67.8	101.6
98	42.5	36.2	54.4

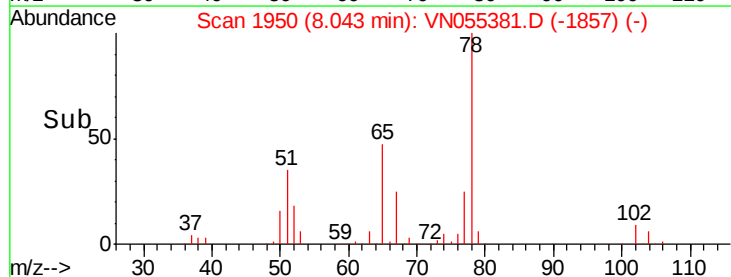
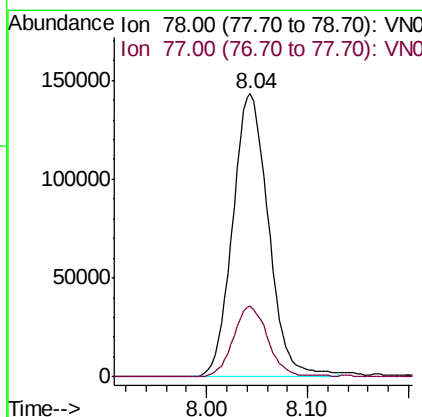
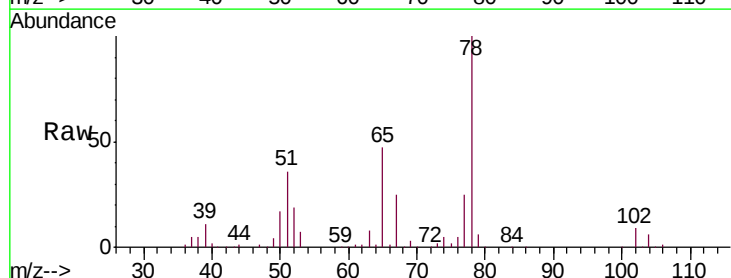
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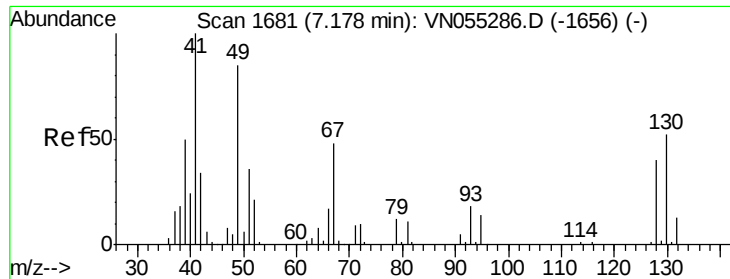
MMDadoda
5/6/2019 10:47:53 AM



#40
Benzene
Concen: 19.505 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.0	28.6





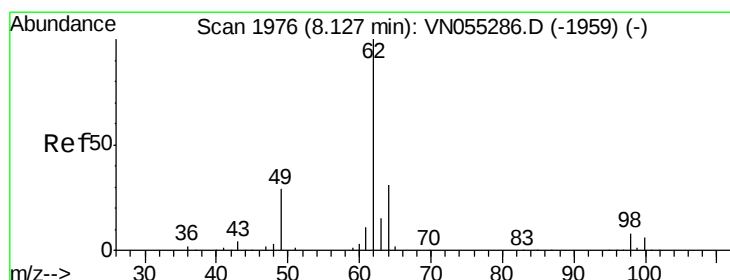
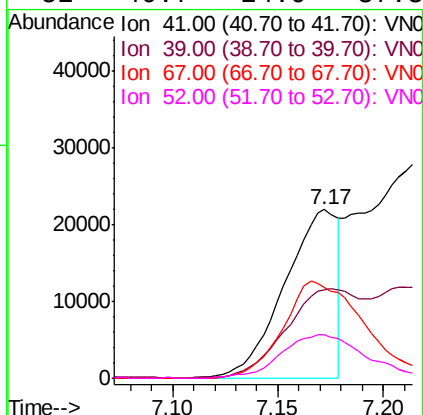
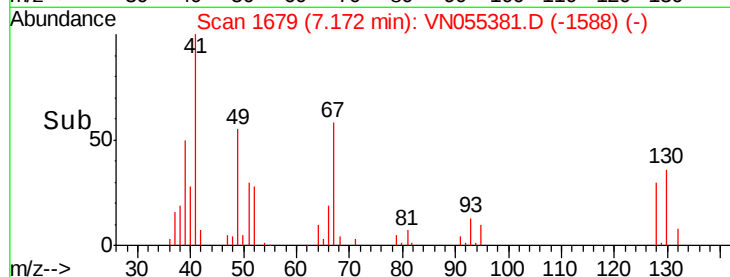
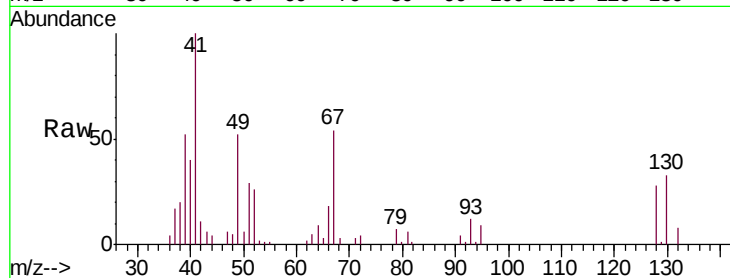
#41
Methacrylonitrile
Concen: 15.729 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampled :
VN0503MBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	73.9	48.5	72.7#
67	89.9	54.9	82.3#
52	40.7	24.9	37.3#

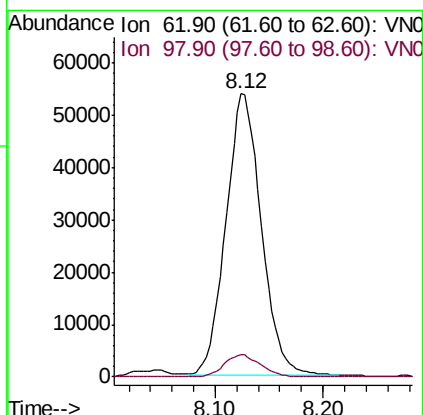
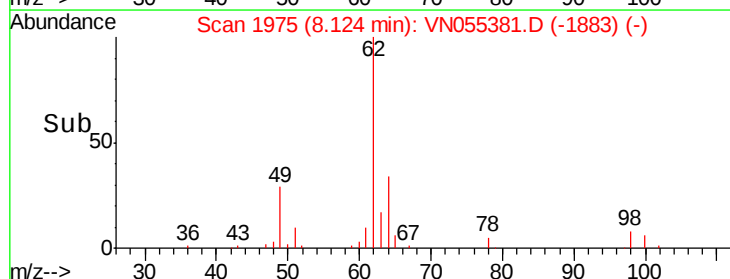
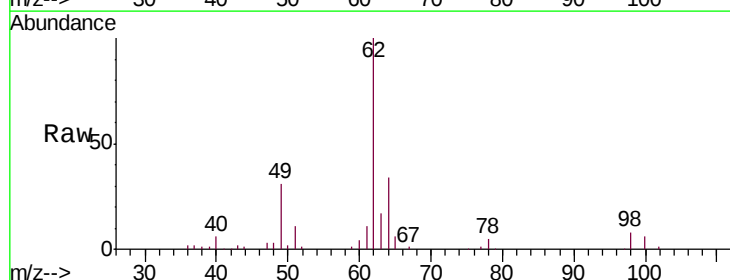
Manual Integrations
APPROVED

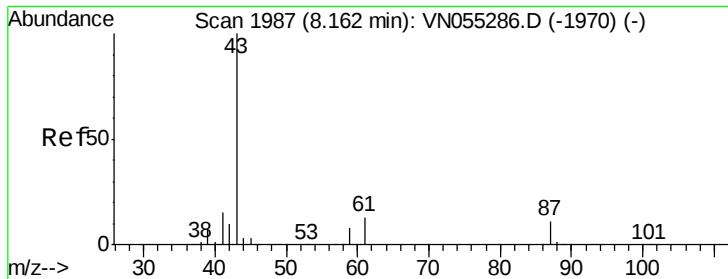
MMDadoda
5/6/2019 10:47:53 AM



#42
1,2-Dichloroethane
Concen: 19.192 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.4





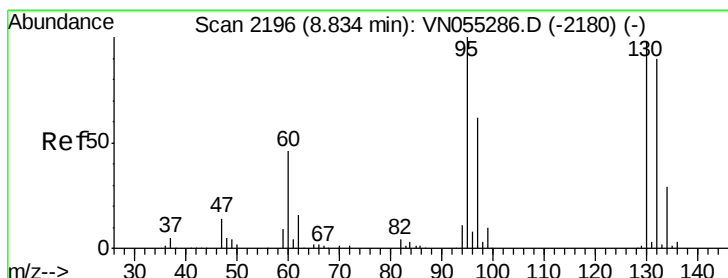
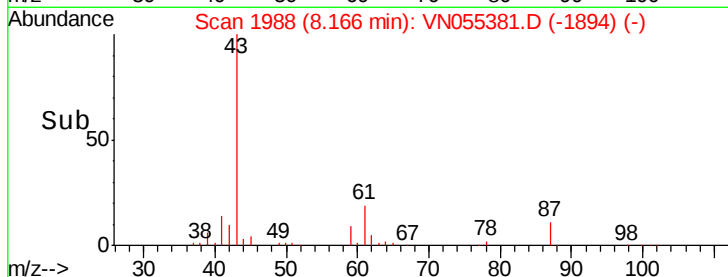
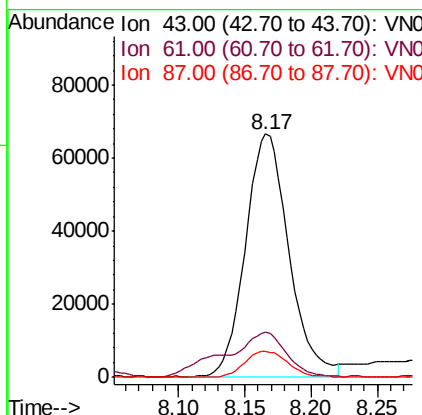
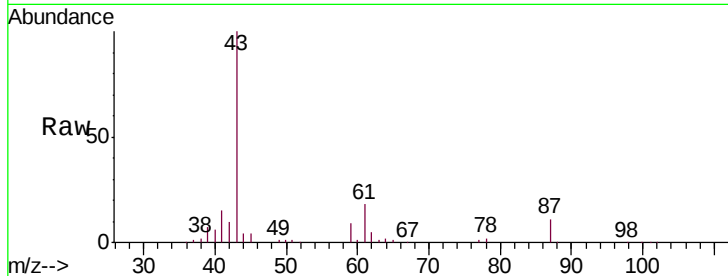
#43
Isopropyl Acetate
Concen: 19.995 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.8	31.2
87	10.8	8.5	12.7

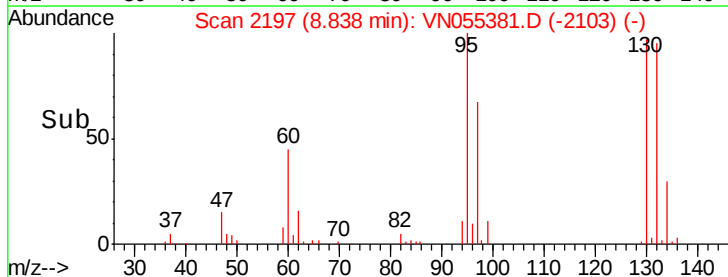
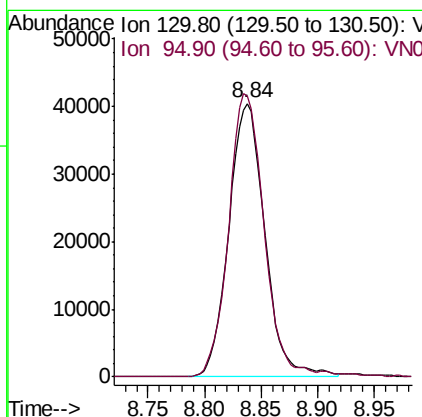
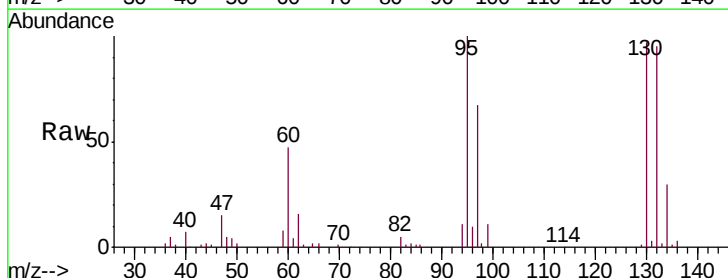
Manual Integrations
APPROVED

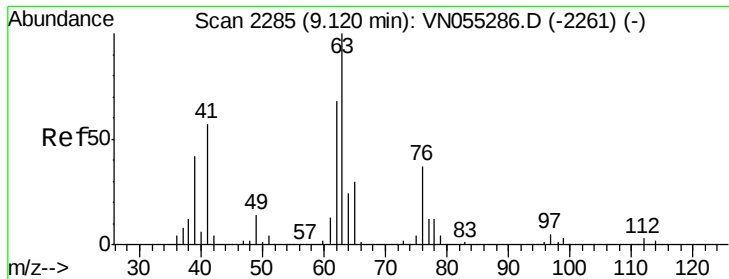
MMDadoda
5/6/2019 10:47:53 AM



#44
Trichloroethene
Concen: 19.392 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	203.4





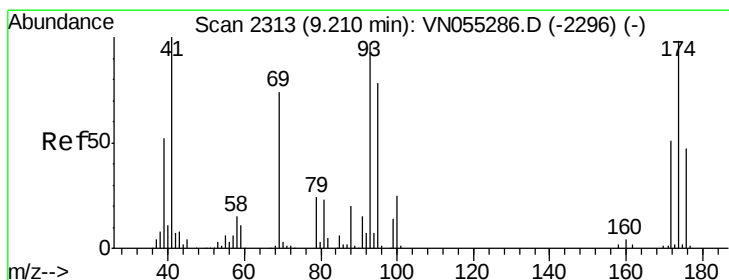
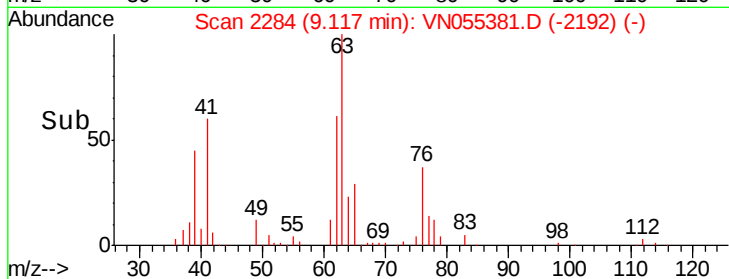
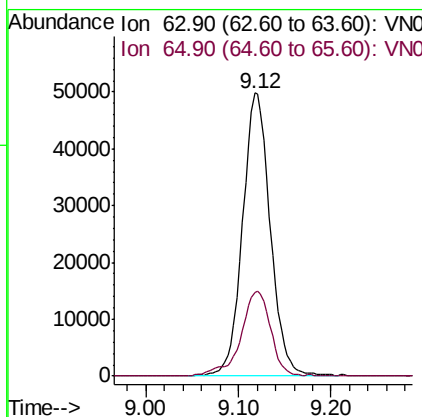
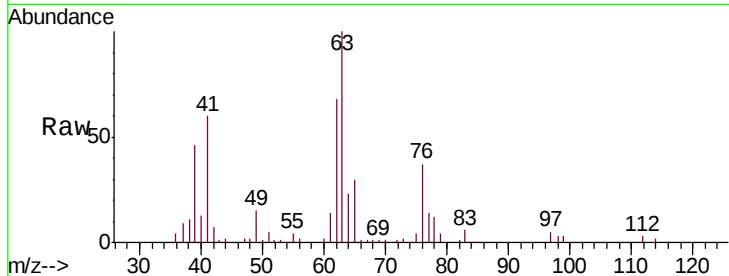
#45
 1,2-Dichloropropane
 Concen: 19.795 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0503MBS01

Tgt Ion: 63 Resp: 103629
 Ion Ratio Lower Upper
 63 100
 65 29.6 23.9 35.9

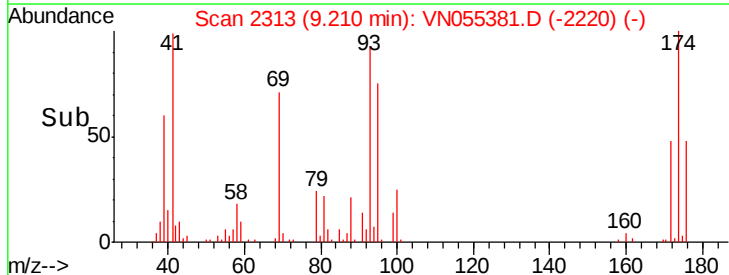
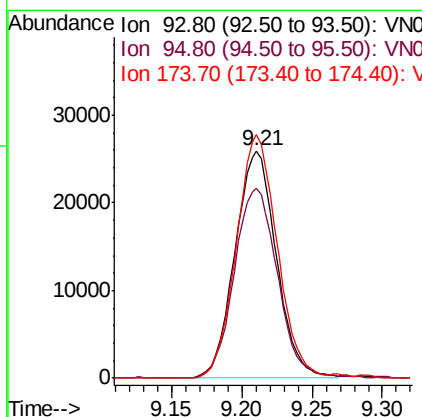
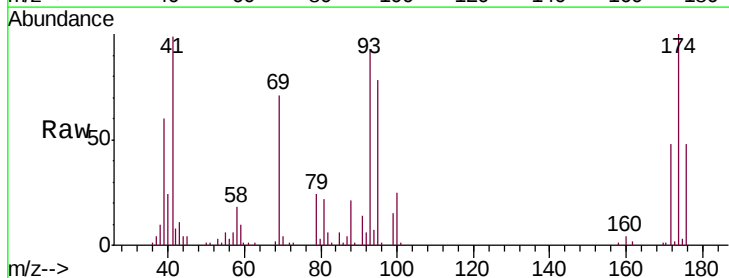
Manual Integrations
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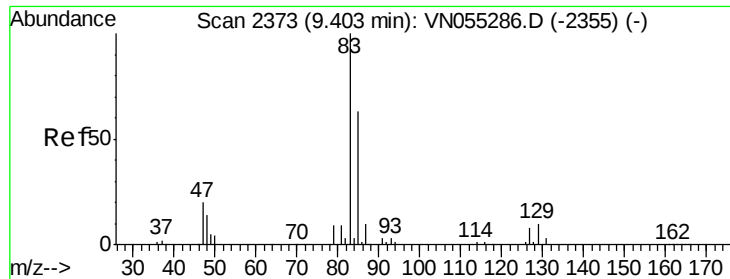
MMDadoda
 5/6/2019 10:47:53 AM



#46
 Dibromomethane
 Concen: 18.594 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Tgt Ion: 93 Resp: 53208
 Ion Ratio Lower Upper
 93 100
 95 87.3 65.7 98.5
 174 105.9 81.5 122.3





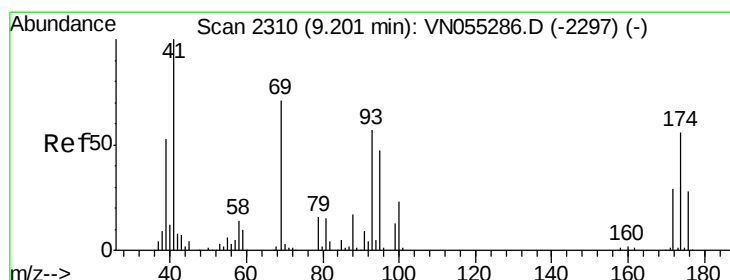
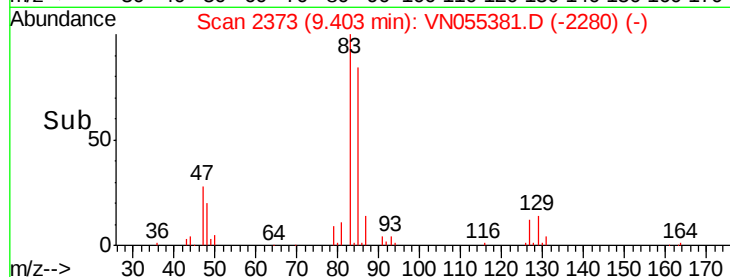
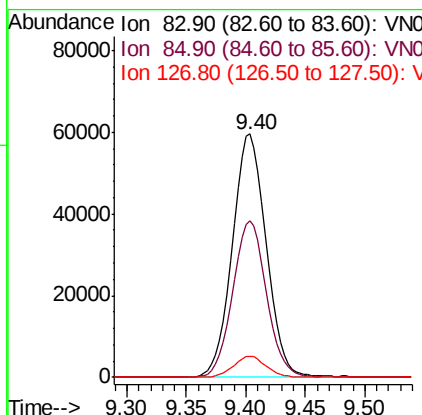
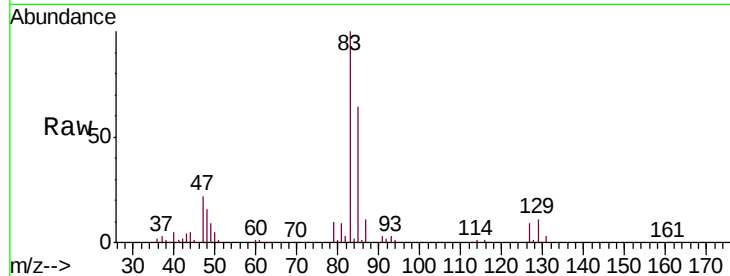
#47
Bromodichloromethane
Concen: 19.201 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	117875		
85	64.1	50.1	75.1	
127	8.8	6.7	10.1	

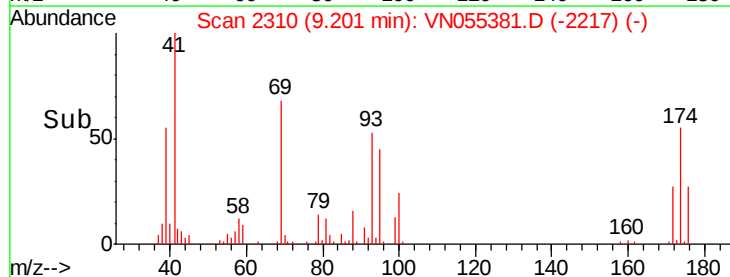
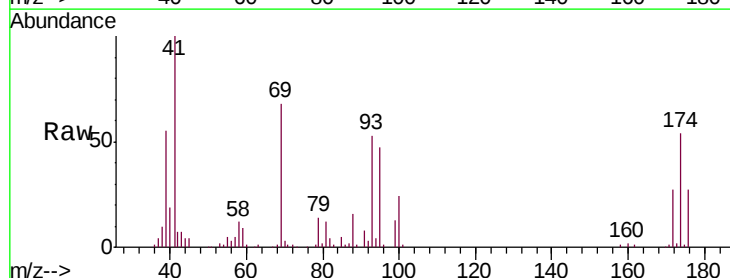
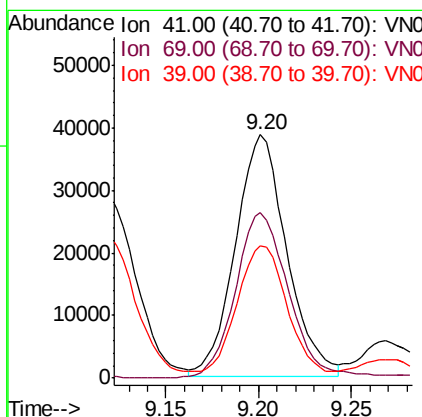
Manual Integrations
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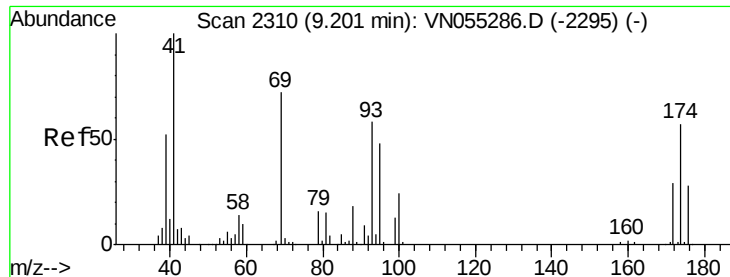
MMDadoda
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#48
Methyl methacrylate
Concen: 20.042 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	74723		
69	70.9	58.6	87.8	
39	53.0	43.8	65.6	





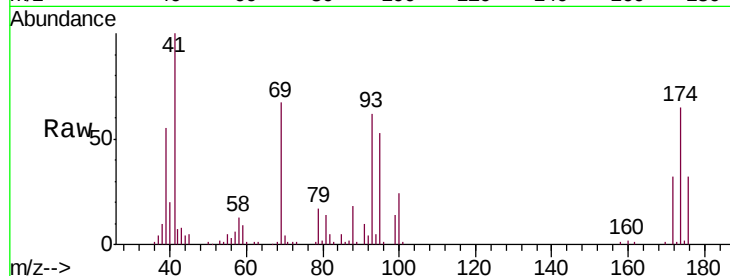
#49
1,4-Dioxane
Concen: 367.723 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

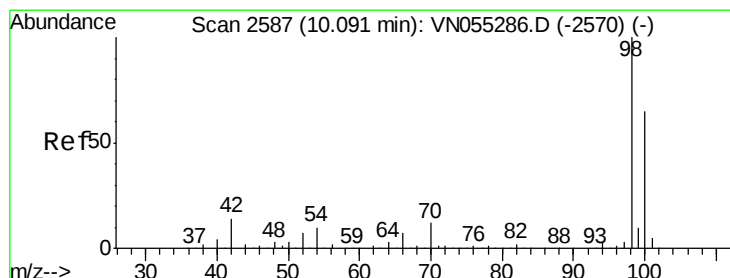
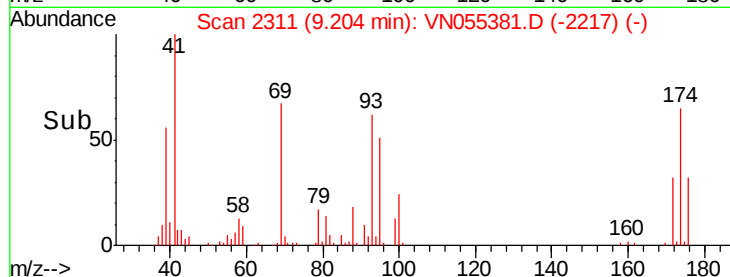
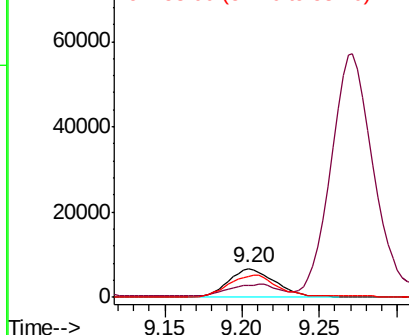
Tgt Ion	Ratio	Resp	Lower	Upper
88	100	14172		
43	41.5	33.3	49.9	
58	81.7	62.7	94.1	

Manual Integrations
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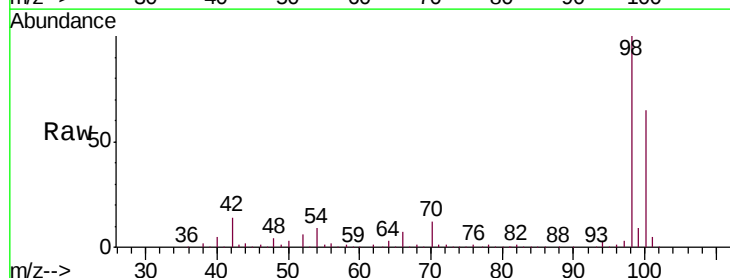


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

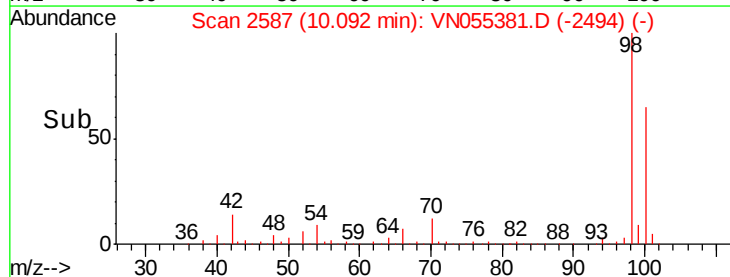
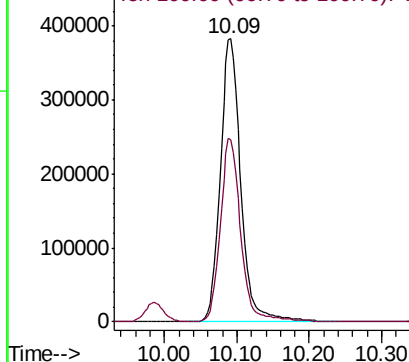


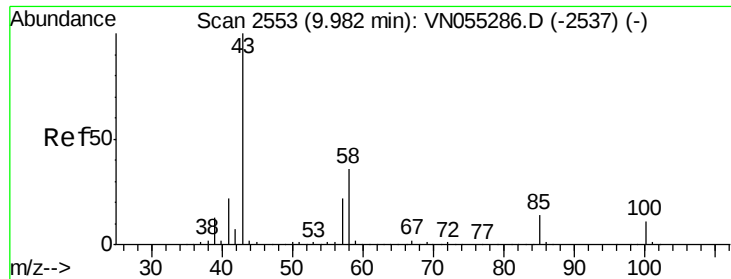
#50
Toluene-d8
Concen: 49.096 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	748002		
100	64.5	51.7	77.5	



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





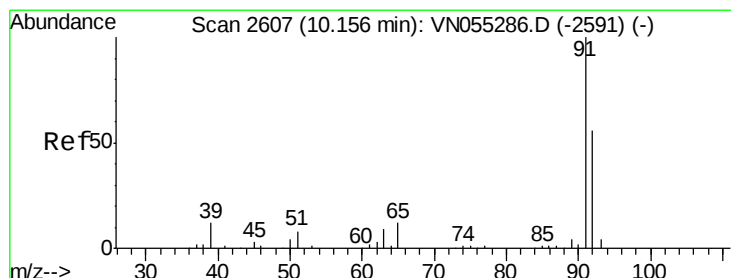
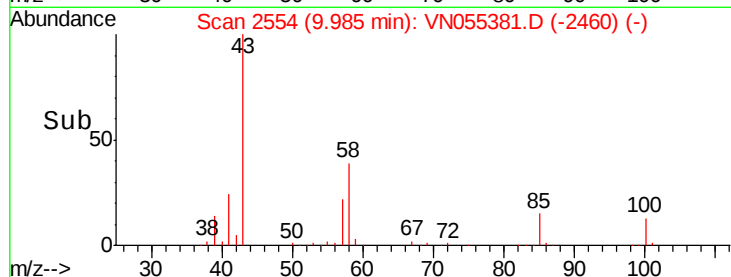
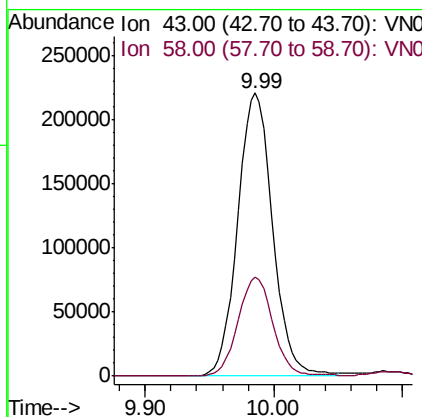
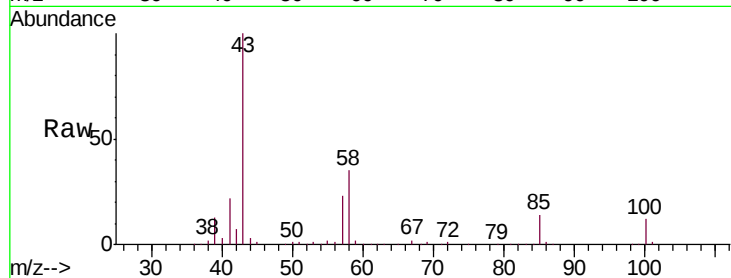
#51
4-Methyl-2-Pentanone
Concen: 97.190 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampled :
VN0503MBS01

Tgt Ion: 43 Resp: 414982
Ion Ratio Lower Upper
43 100
58 35.0 28.5 42.7

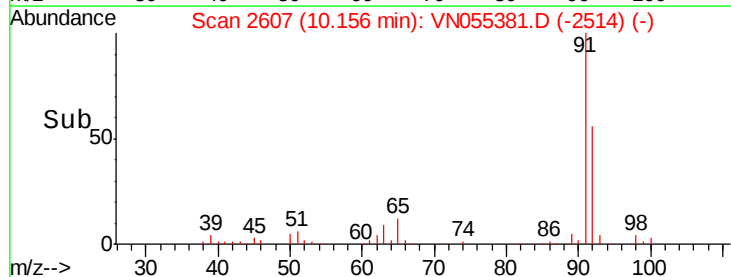
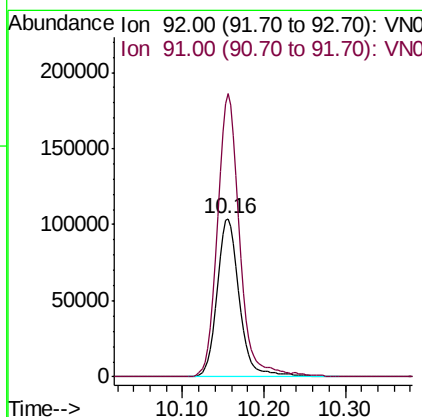
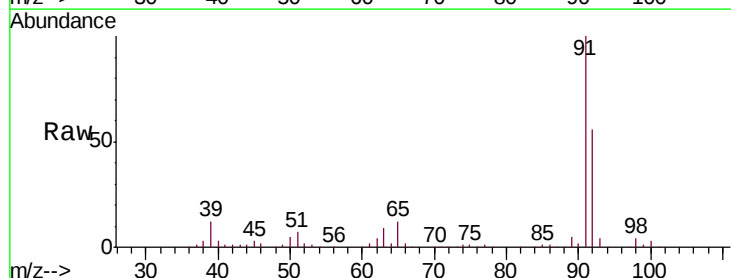
Manual Integrations
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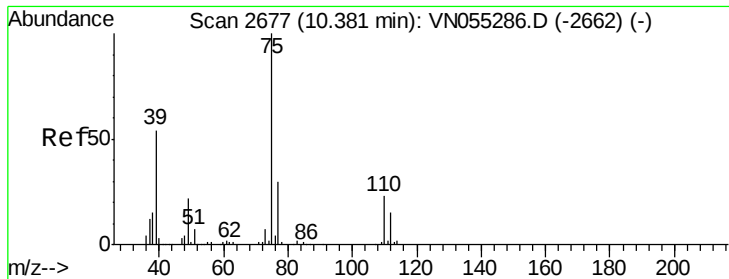
MMDadoda
5/6/2019 10:47:53 AM



#52
Toluene
Concen: 19.473 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion: 92 Resp: 202809
Ion Ratio Lower Upper
92 100
91 177.4 140.1 210.1





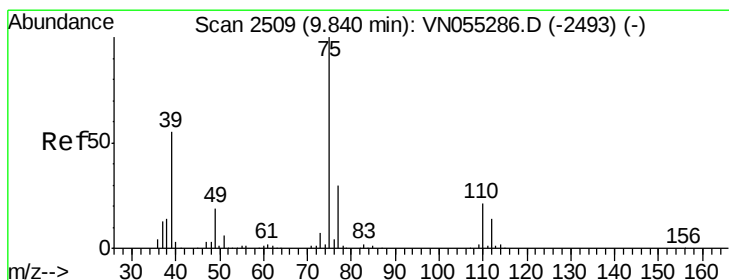
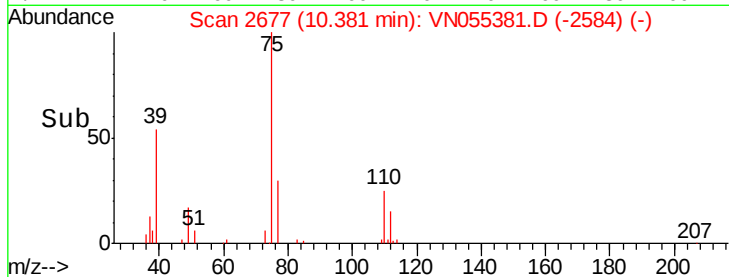
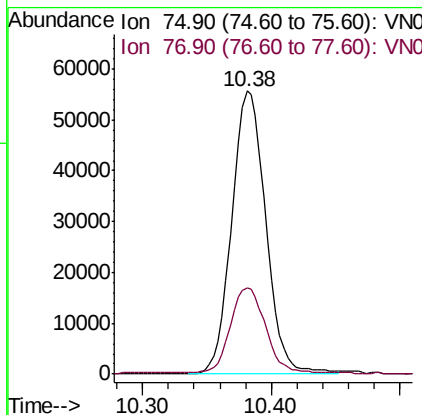
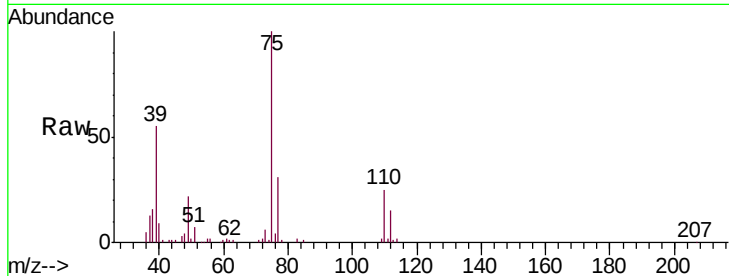
#53
t-1,3-Dichloropropene
Concen: 19.219 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

Tgt Ion: 75 Resp: 102424
Ion Ratio Lower Upper
75 100
77 30.1 24.4 36.6

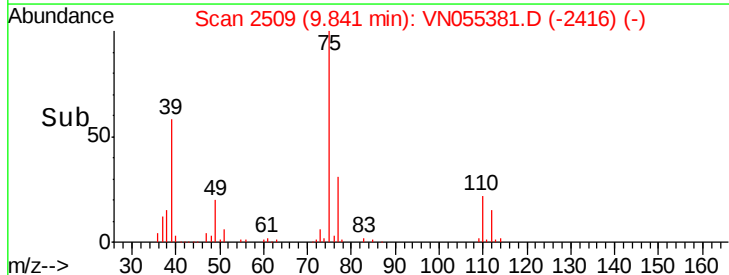
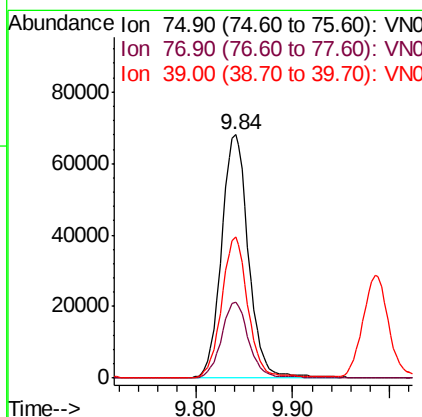
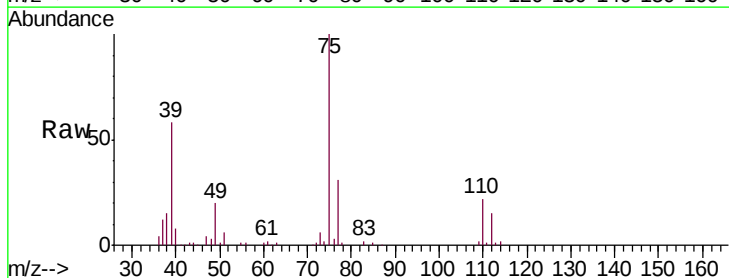
Manual Integrations
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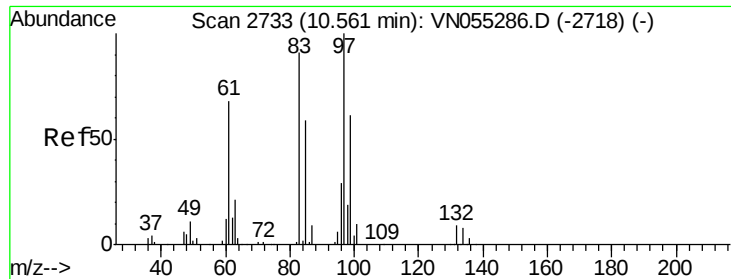
MMDadoda
5/6/2019 10:47:53 AM



#54
cis-1,3-Dichloropropene
Concen: 19.859 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion: 75 Resp: 131953
Ion Ratio Lower Upper
75 100
77 31.1 24.2 36.2
39 58.1 44.2 66.2





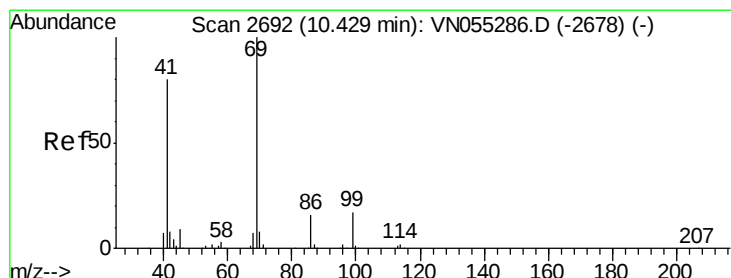
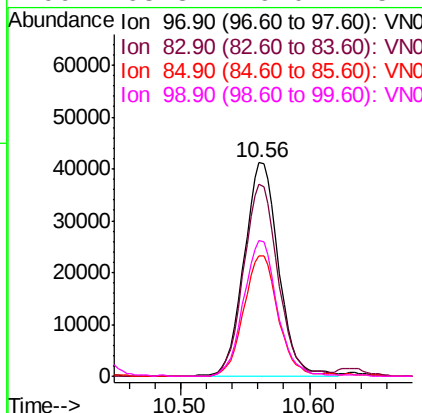
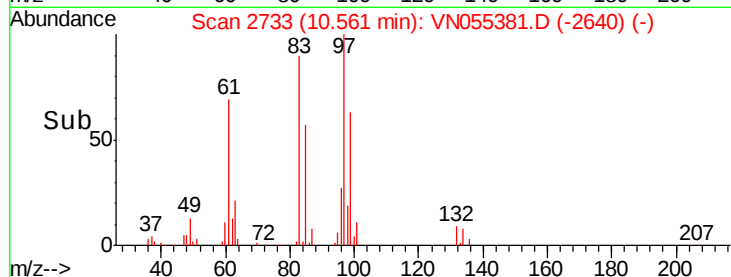
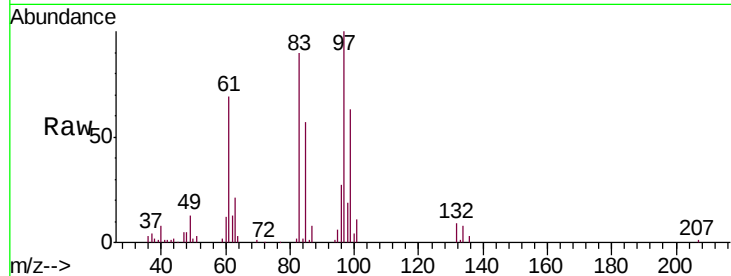
#55
 1,1,2-Trichloroethane
 Concen: 19.891 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503MBS01

Tgt Ion:	97	Resp:	76928
Ion	Ratio	Lower	Upper
97	100		
83	89.8	72.8	109.2
85	56.5	47.0	70.6
99	63.3	49.0	73.4

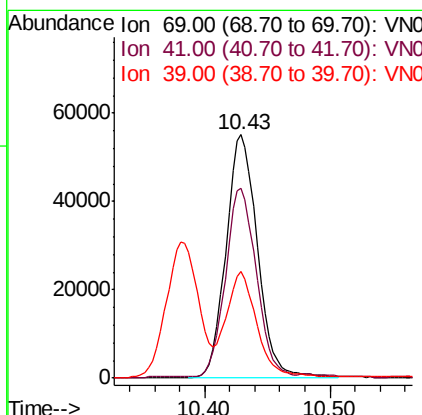
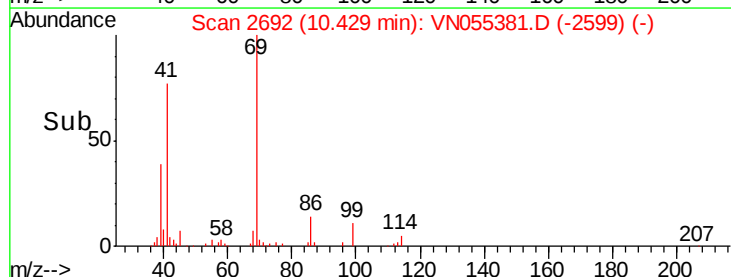
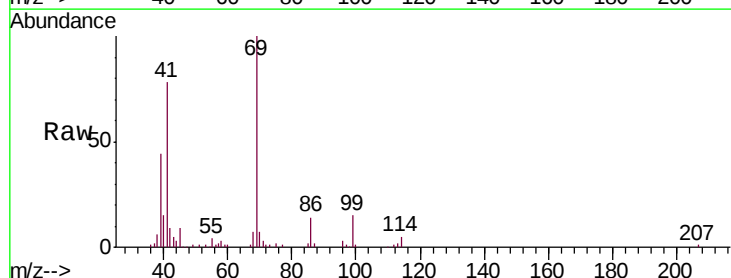
Manual Integrations
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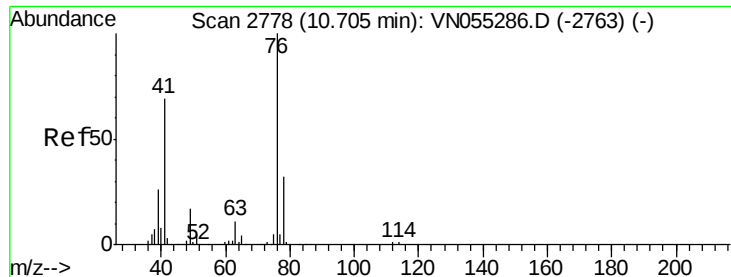
MMDadoda
 5/6/2019 10:47:53 AM



#56
 Ethyl methacrylate
 Concen: 20.348 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Tgt Ion:	69	Resp:	96861
Ion	Ratio	Lower	Upper
69	100		
41	76.0	62.7	94.1
39	41.9	32.0	48.0





#57

1,3-Dichloropropane

Concen: 20.070 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBS01

Tgt Ion: 76 Resp: 136164

Ion Ratio Lower Upper

76 100

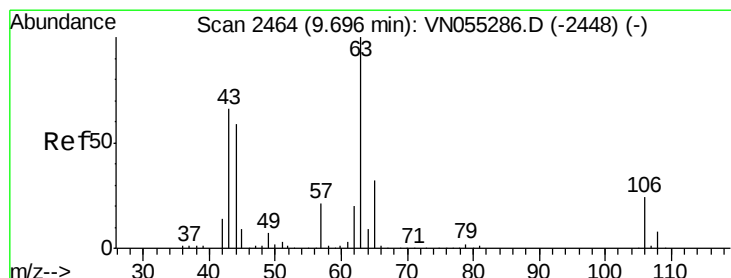
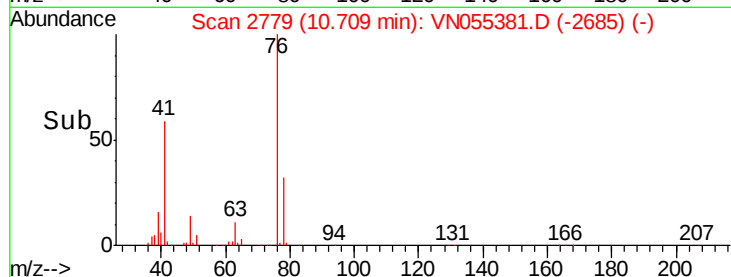
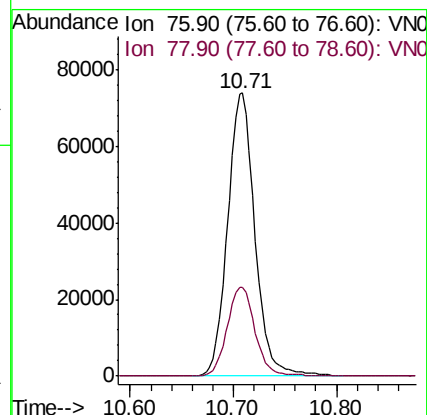
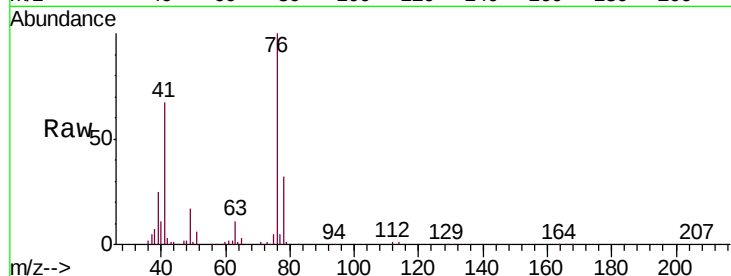
78 32.3 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 74.772 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055381.D

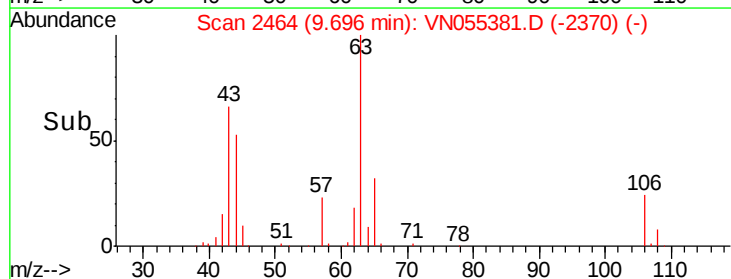
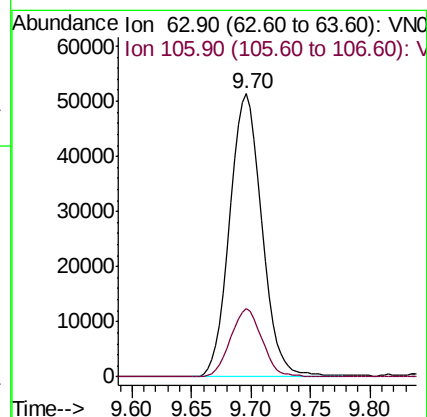
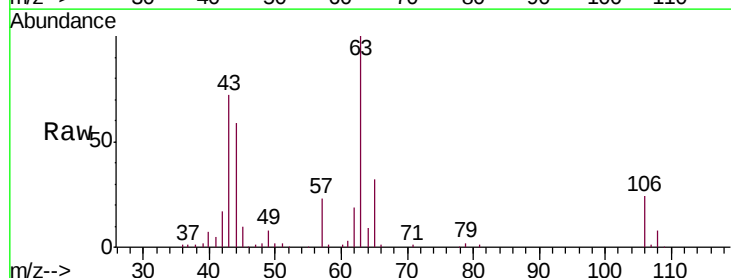
Acq: 3 May 2019 11:37

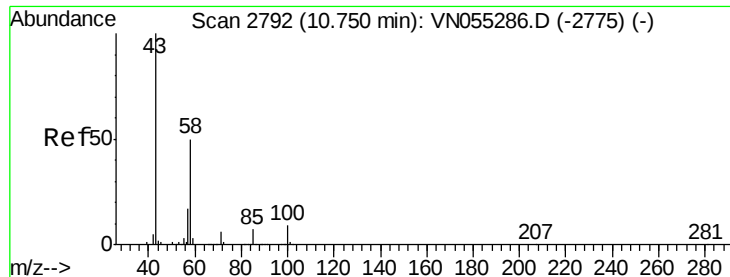
Tgt Ion: 63 Resp: 96946

Ion Ratio Lower Upper

63 100

106 23.3 19.0 28.4





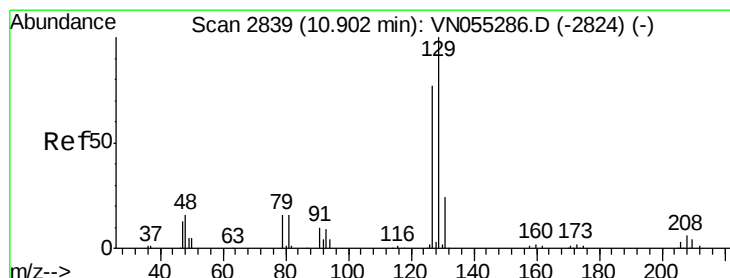
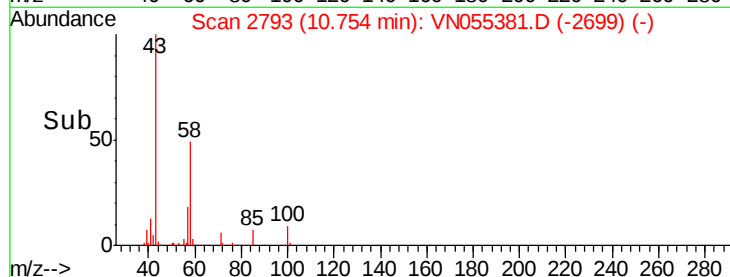
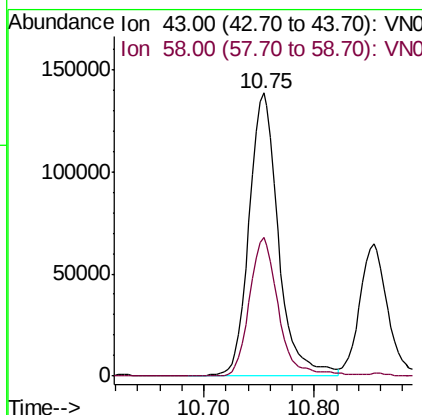
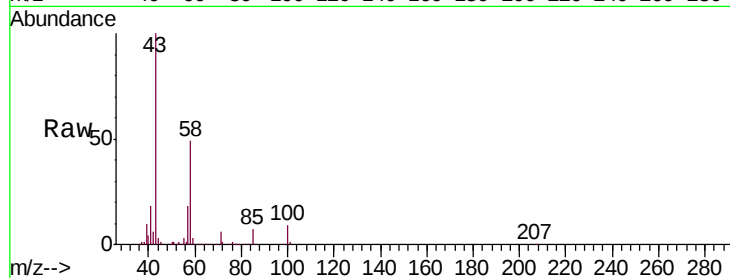
#59
2-Hexanone
Concen: 95.629 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

Tgt Ion: 43 Resp: 255479
Ion Ratio Lower Upper
43 100
58 48.5 24.9 74.6

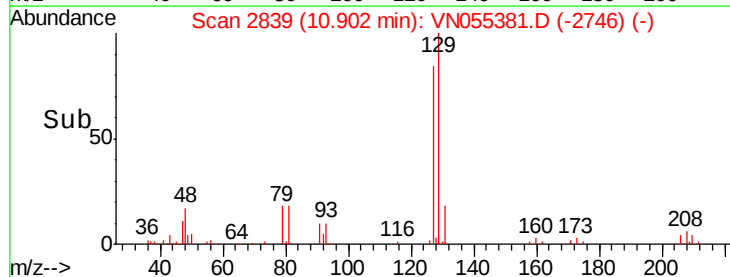
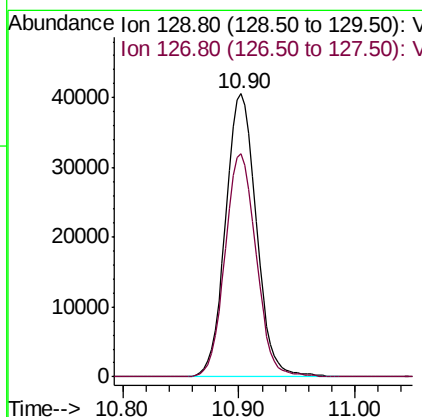
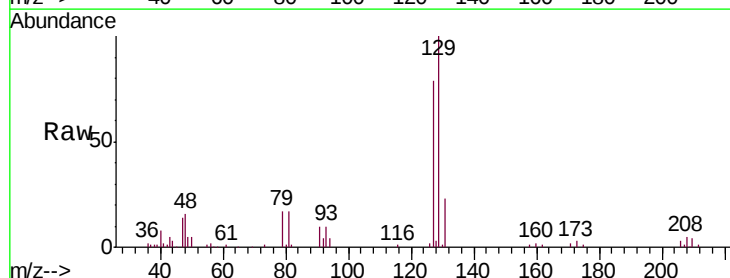
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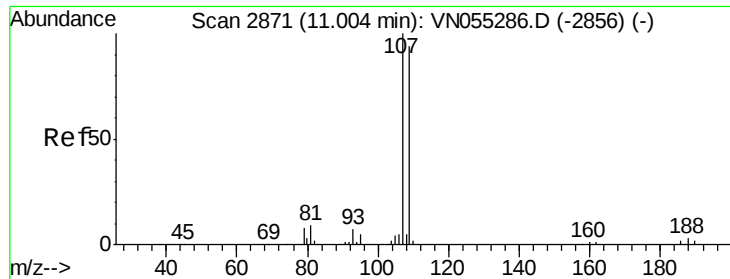
MMDadoda
5/6/2019 10:47:53 AM



#60
Dibromochloromethane
Concen: 18.858 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion: 129 Resp: 74540
Ion Ratio Lower Upper
129 100
127 79.3 38.1 114.5





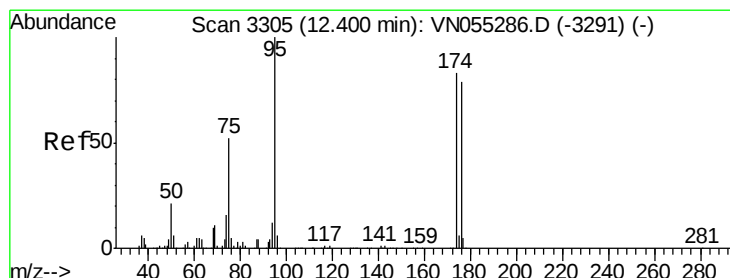
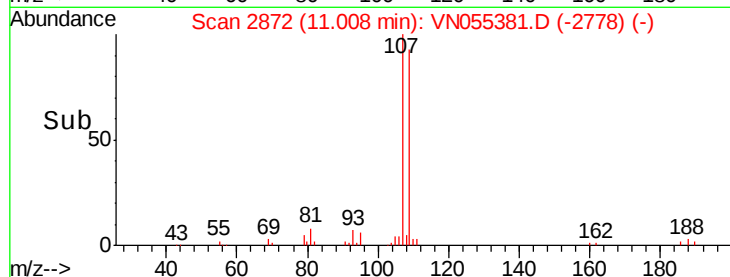
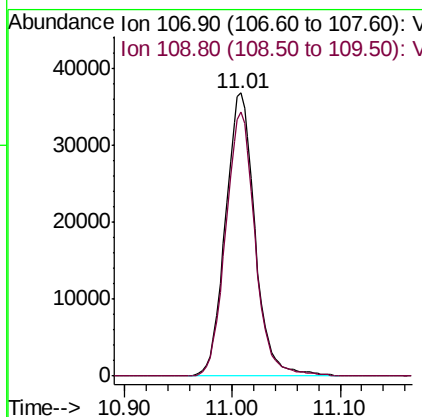
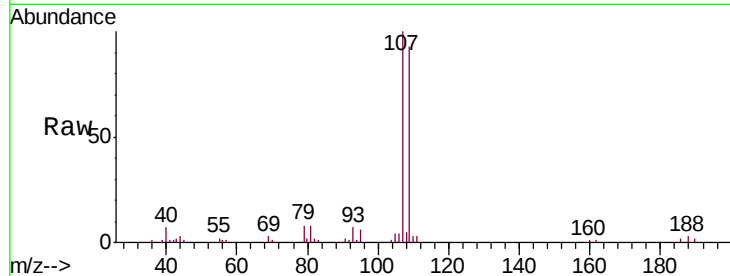
#61
 1,2-Dibromoethane
 Concen: 19.677 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503MBS01

Tgt Ion: 107 Resp: 70336
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.0 112.6

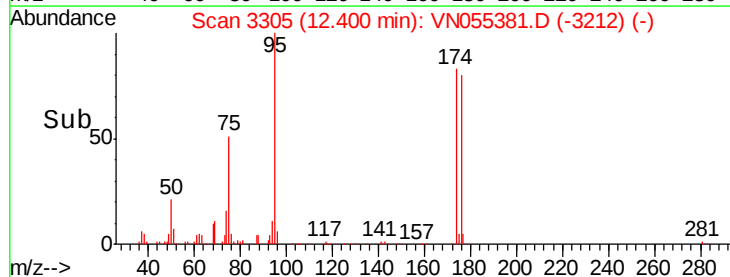
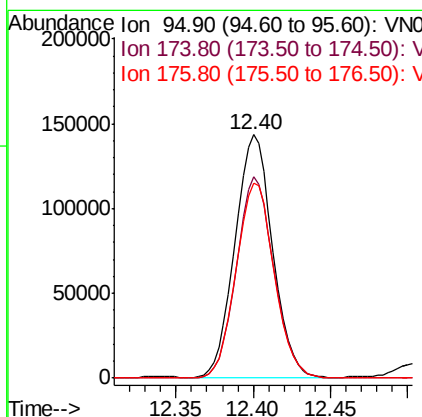
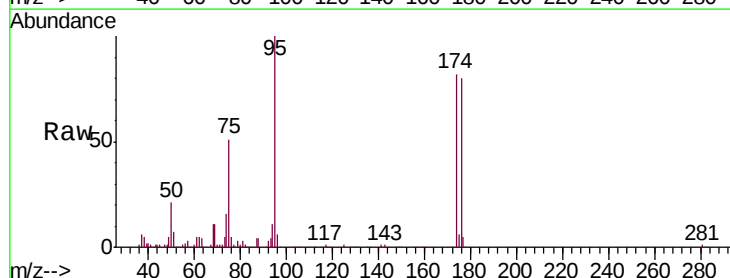
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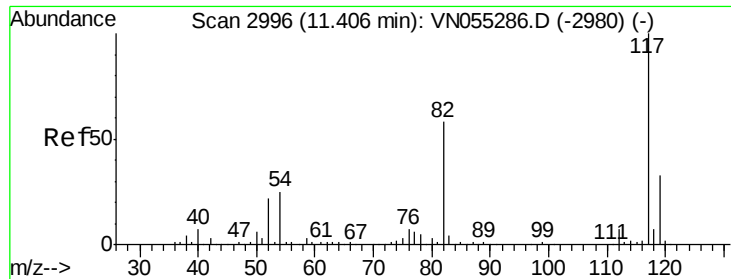
MMDadoda
 5/6/2019 10:47:53 AM



#62
 4-Bromofluorobenzene
 Concen: 50.639 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Tgt Ion: 95 Resp: 241127
 Ion Ratio Lower Upper
 95 100
 174 82.8 0.0 166.6
 176 81.7 0.0 157.8





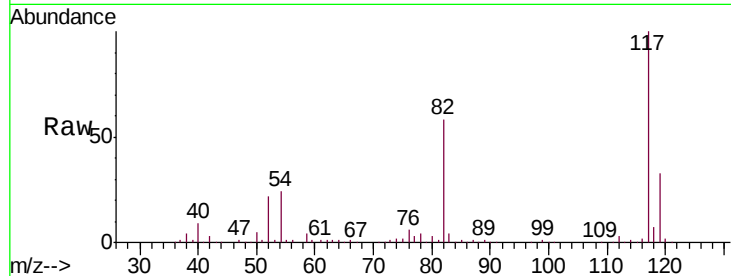
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	540198		
82	57.5	46.2	69.4	
119	33.0	26.6	40.0	

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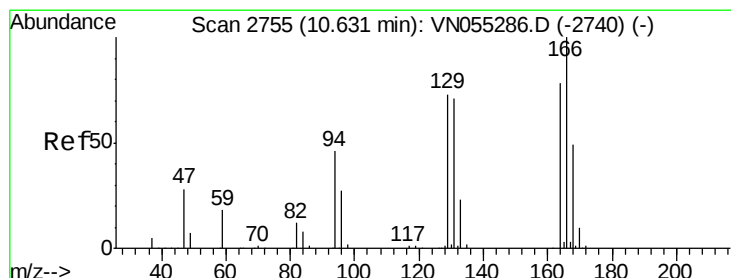
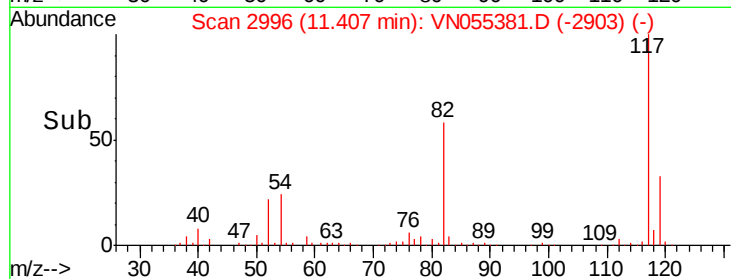
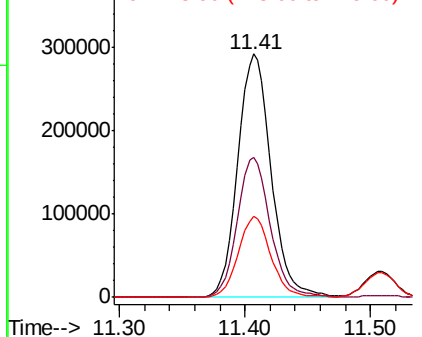


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.357 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	89929		
166	130.9	102.3	153.5	
129	92.7	75.0	112.6	
131	87.8	72.7	109.1	

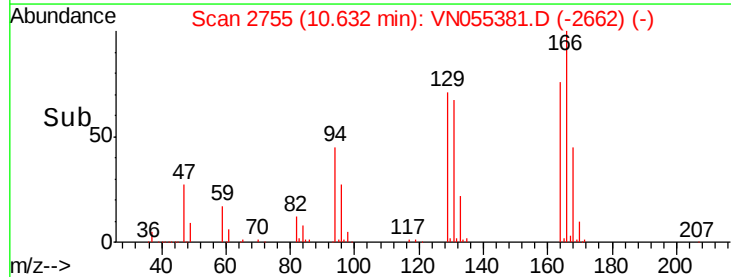
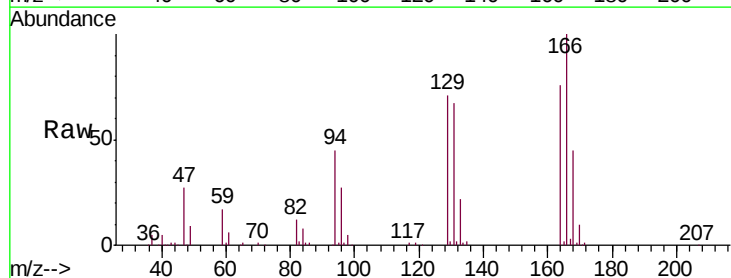
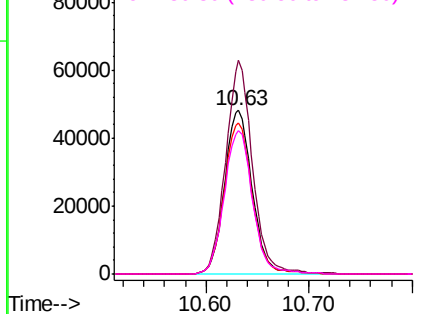
Abundance

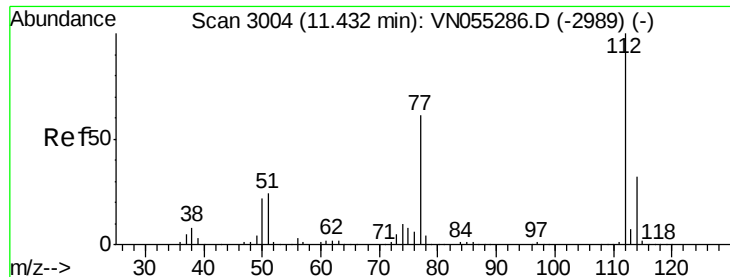
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





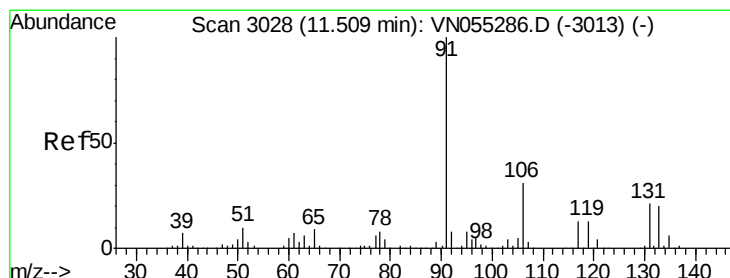
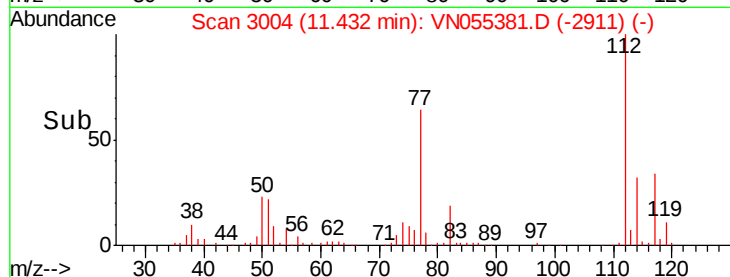
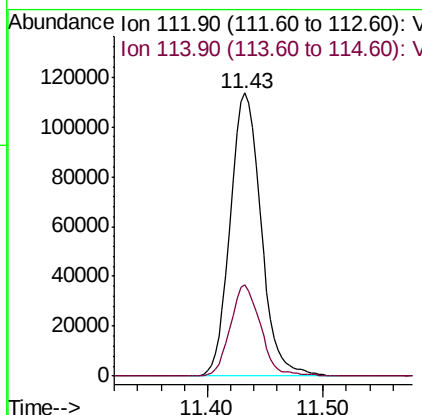
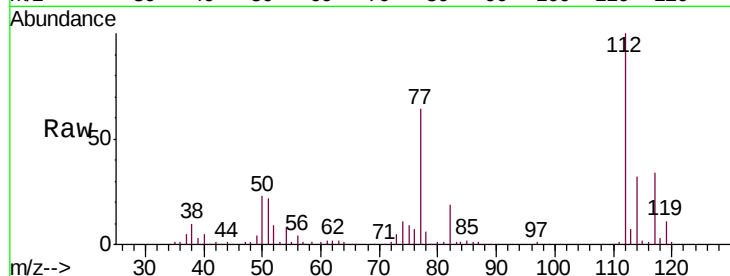
#65
Chlorobenzene
Concen: 19.770 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

Tgt Ion:112 Resp: 208802
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9

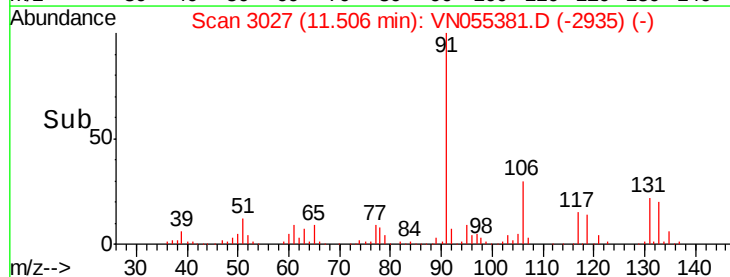
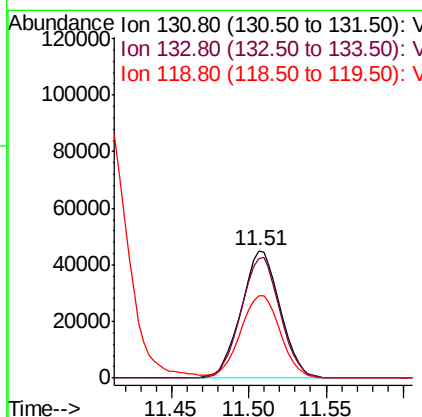
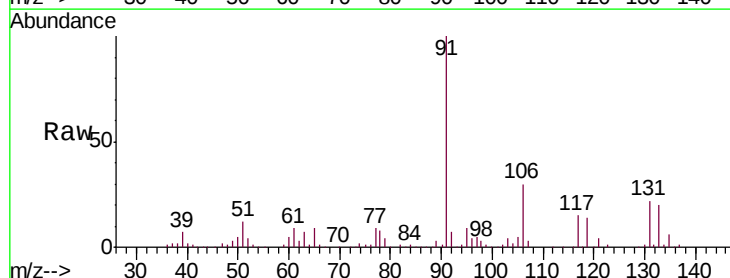
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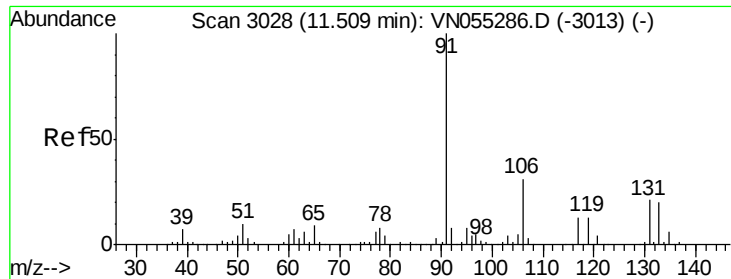
MMDadoda
5/6/2019 10:47:53 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.132 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion:131 Resp: 79123
Ion Ratio Lower Upper
131 100
133 94.7 47.5 142.6
119 66.6 32.7 98.1





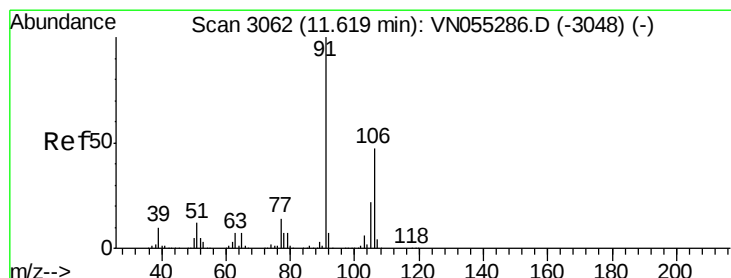
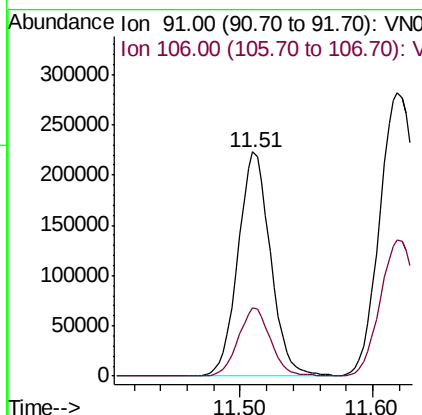
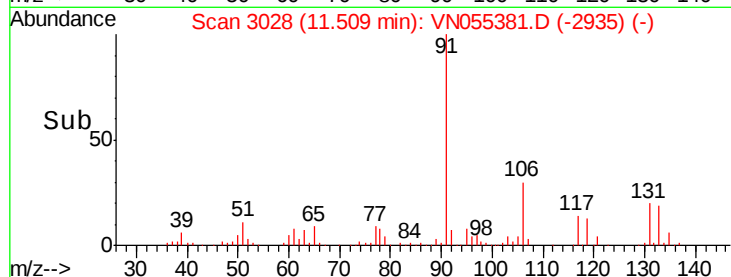
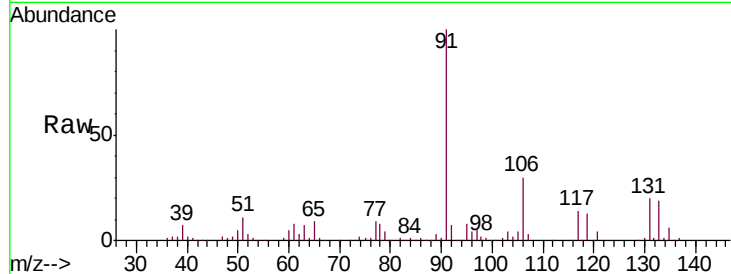
#67
 Ethyl Benzene
 Concen: 19.885 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503MBS01

Tgt Ion: 91 Resp: 379249
 Ion Ratio Lower Upper
 91 100
 106 30.2 24.6 36.8

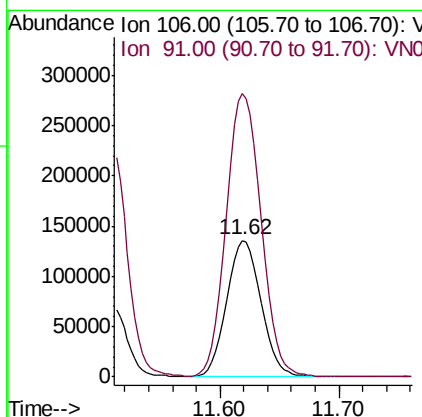
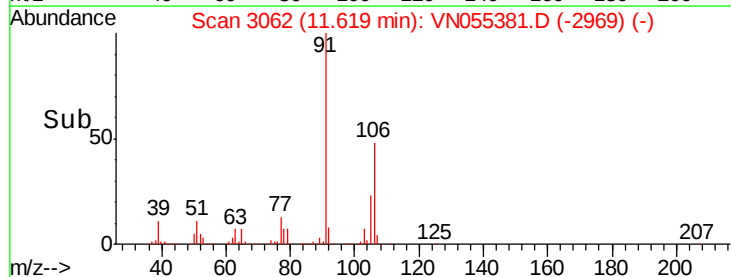
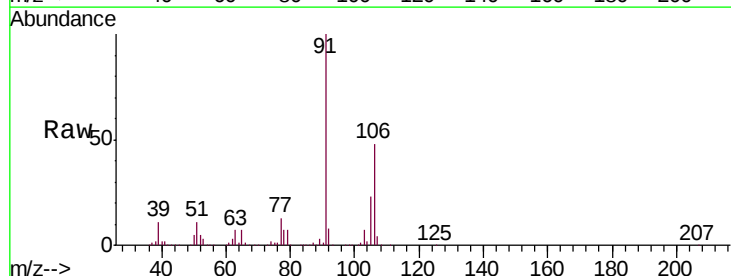
Manual Integrations
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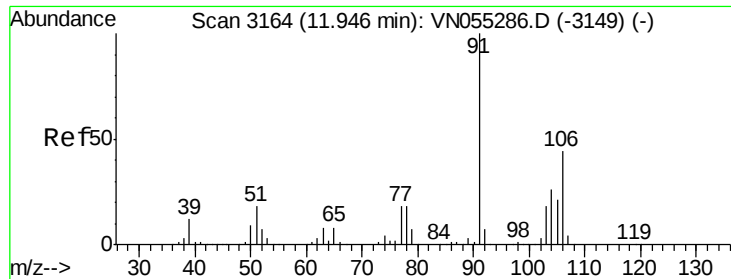
MMDadoda
 5/6/2019 10:47:53 AM



#68
 m/p-Xylenes
 Concen: 39.938 ug/l
 RT: 11.62 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Tgt Ion: 106 Resp: 271883
 Ion Ratio Lower Upper
 106 100
 91 210.9 169.5 254.3





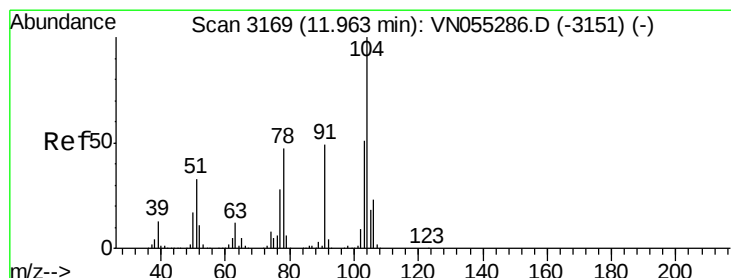
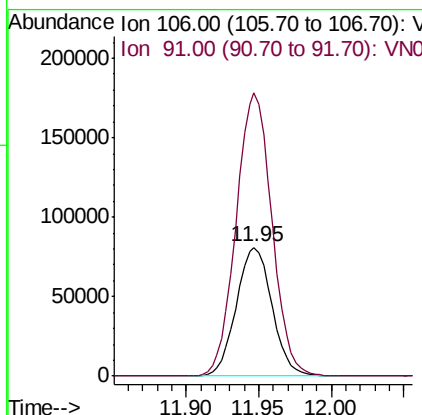
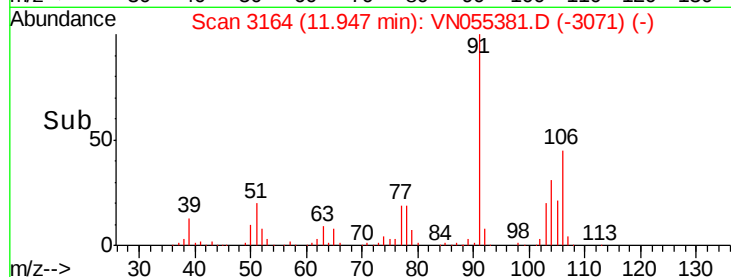
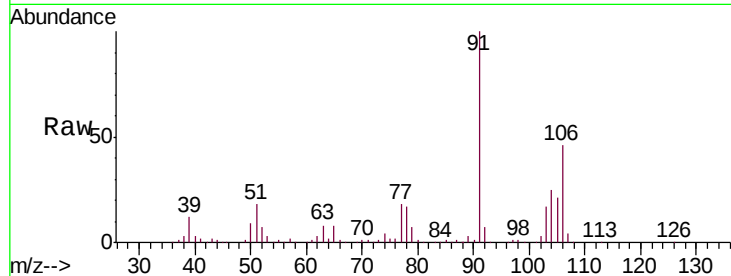
#69
o-Xylene
Concen: 20.563 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampled :
VN0503MBS01

Tgt Ion:106 Resp: 138746
Ion Ratio Lower Upper
106 100
91 220.2 111.5 334.5

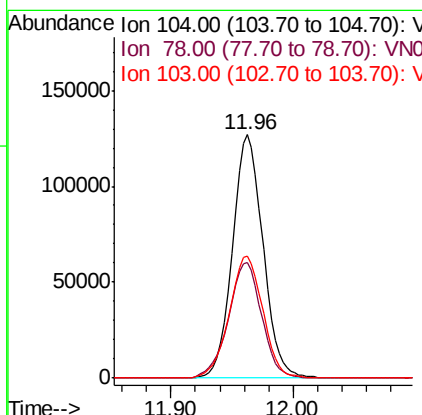
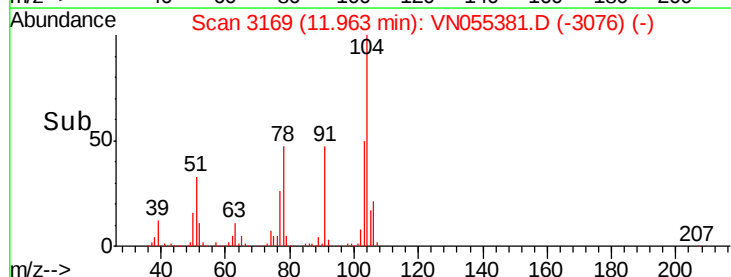
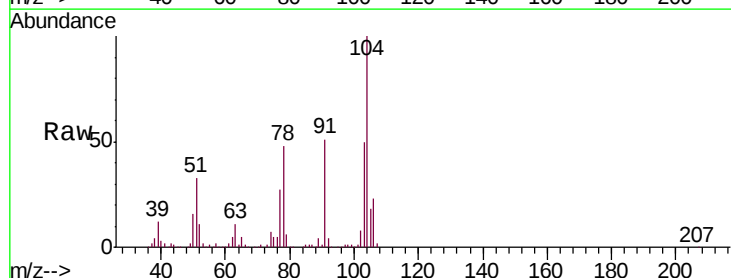
Manual Integrations
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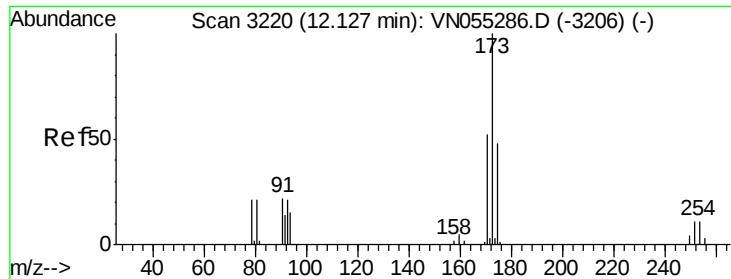
MMDadoda
5/6/2019 10:47:53 AM



#70
Styrene
Concen: 21.239 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion:104 Resp: 220042
Ion Ratio Lower Upper
104 100
78 52.0 42.2 63.2
103 55.3 44.6 67.0





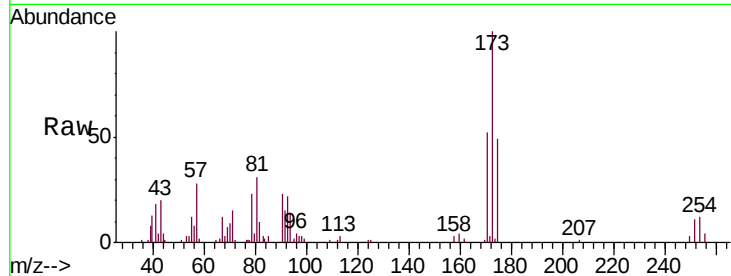
#71
Bromoform
Concen: 19.180 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.6	71.0
254	0.0	0.0	0.0

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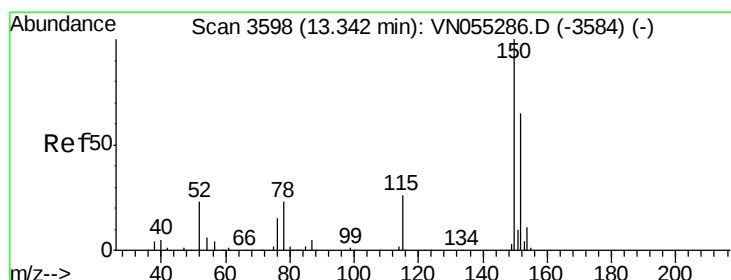
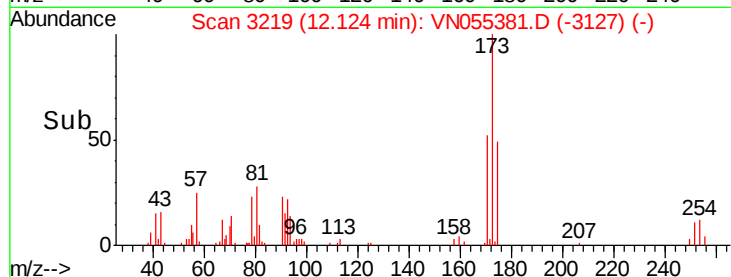
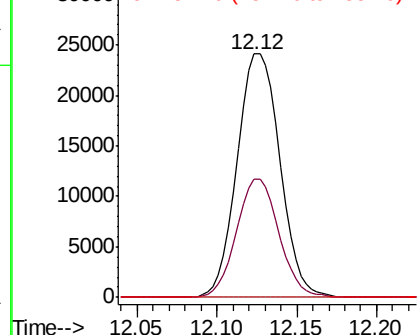


Abundance

Ion 172.70 (172.40 to 173.40): V

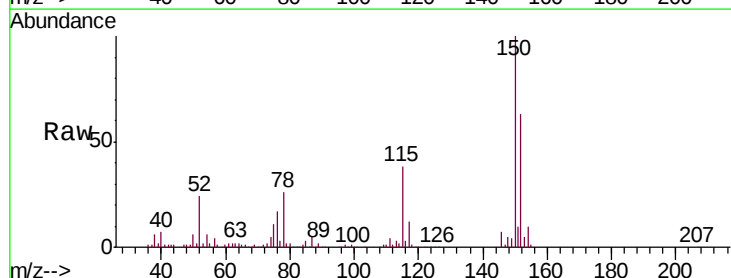
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	29.0	87.0
150	162.1	0.0	345.6

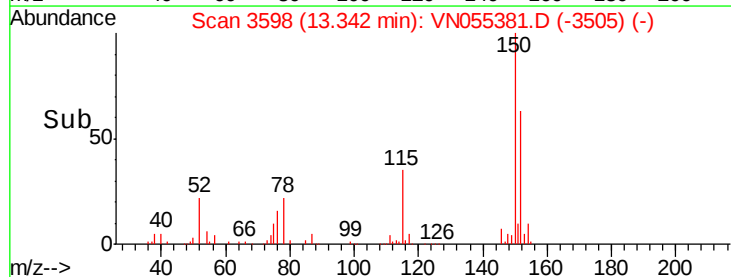
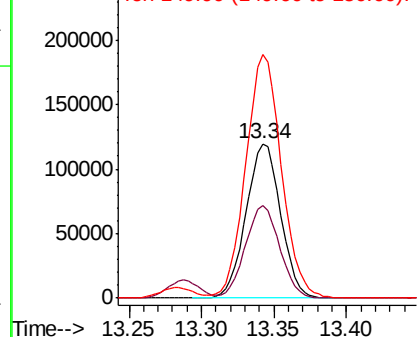


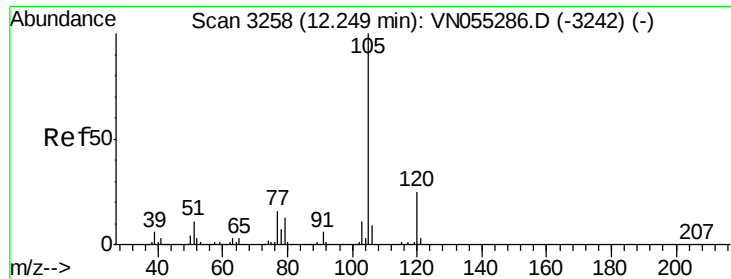
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.563 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

VN0503MBS01

Tgt Ion: 105 Resp: 368956

Ion Ratio Lower Upper

105 100

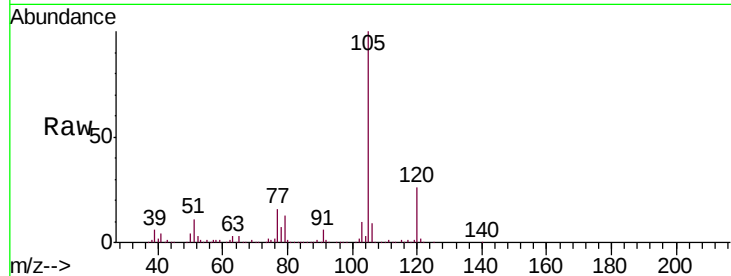
120 26.4 12.9 38.7

Manual Integrations

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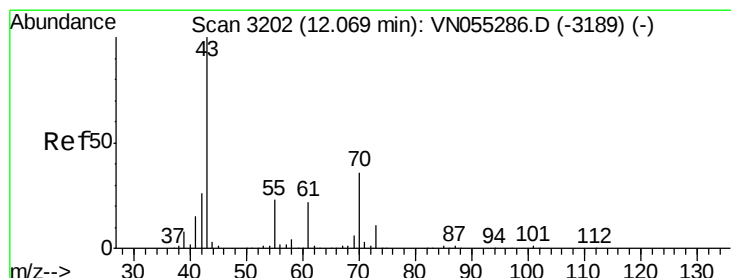
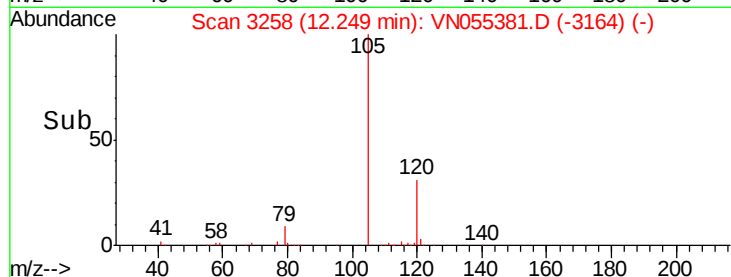
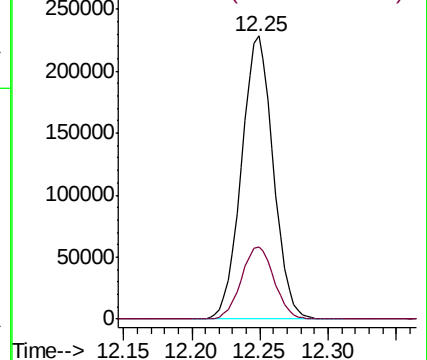
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.799 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Tgt Ion: 43 Resp: 105950

Ion Ratio Lower Upper

43 100

70 31.3 27.9 41.9

55 24.9 18.2 27.2

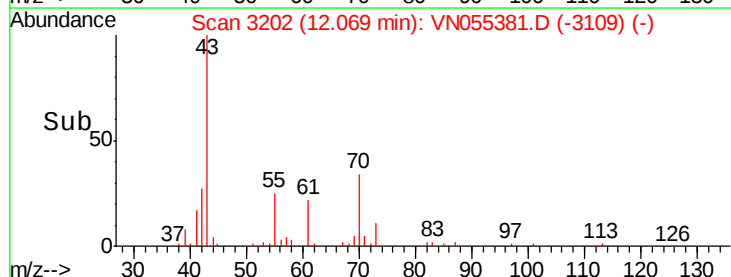
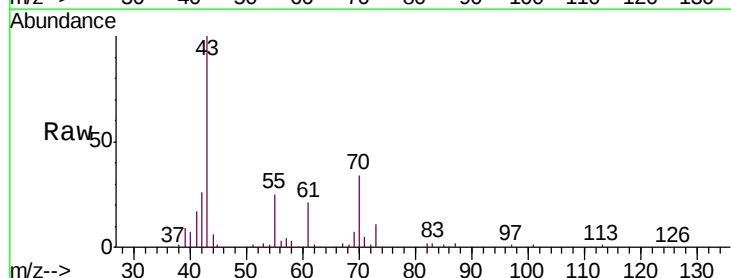
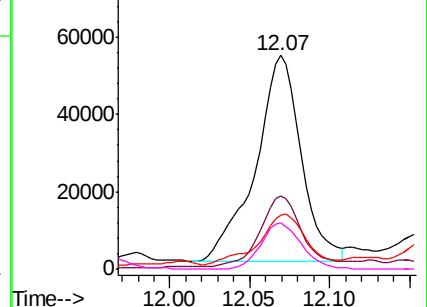
61 19.5 16.9 25.3

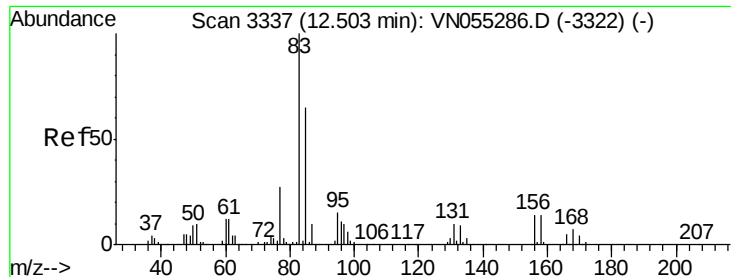
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.439 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

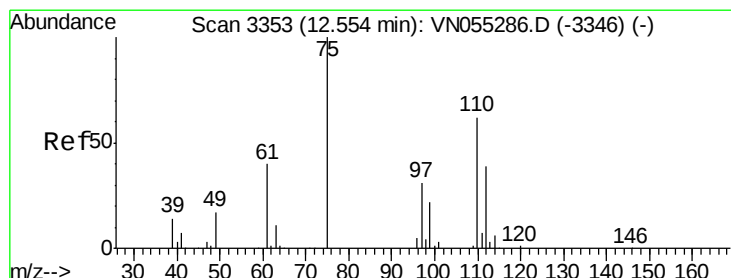
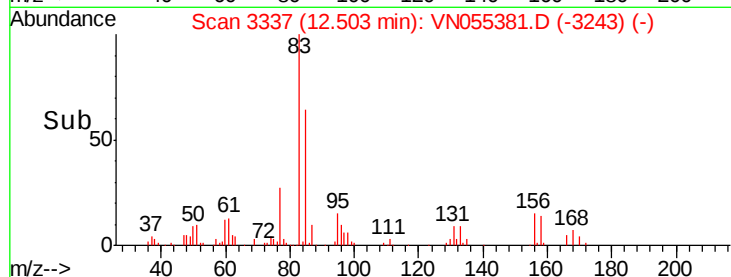
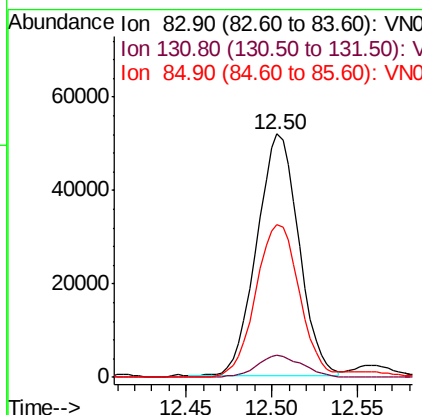
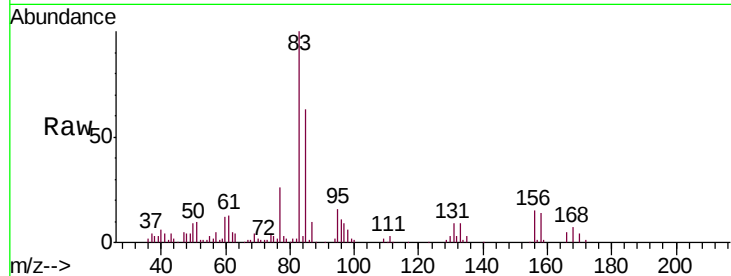
ClientSampleId :

VN0503MBS01

Tgt Ion:	83	Resp:	87774
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.2
85	65.7	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.739 ug/l m

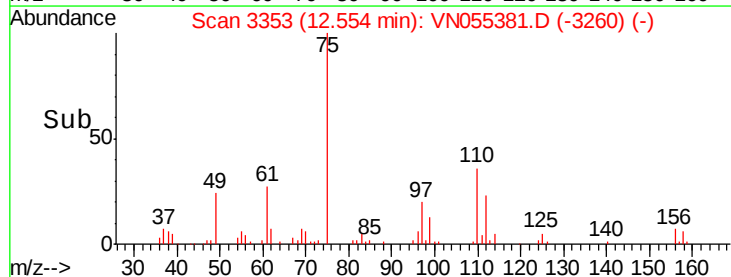
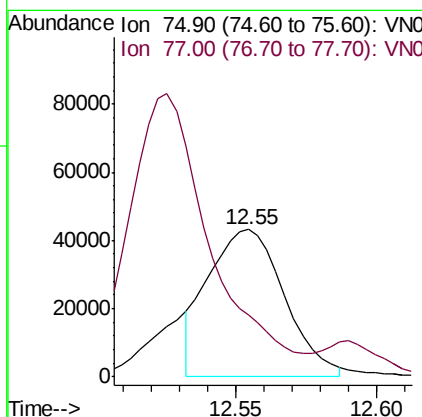
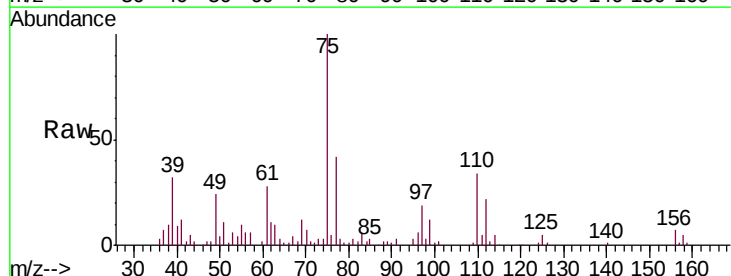
RT: 12.55 min Scan# 3353

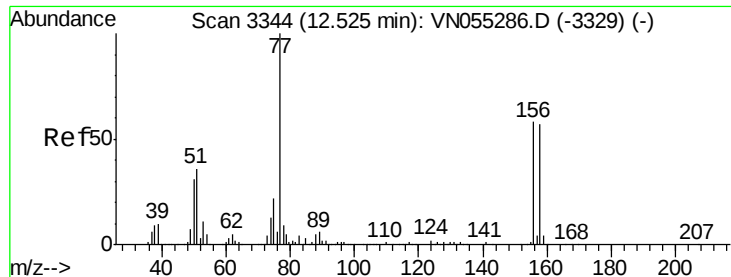
Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Tgt Ion:	75	Resp:	81948
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.786 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

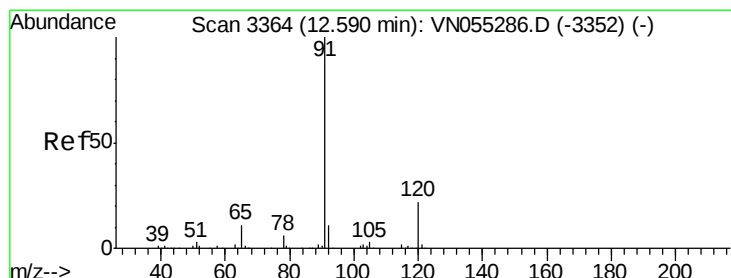
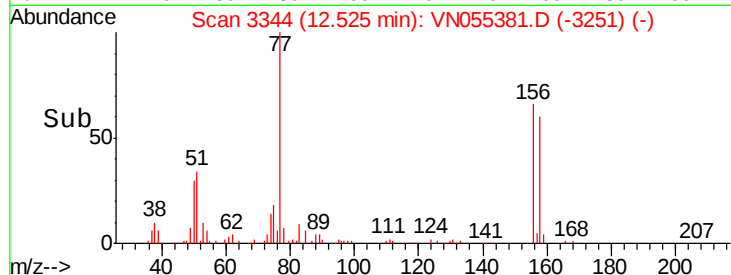
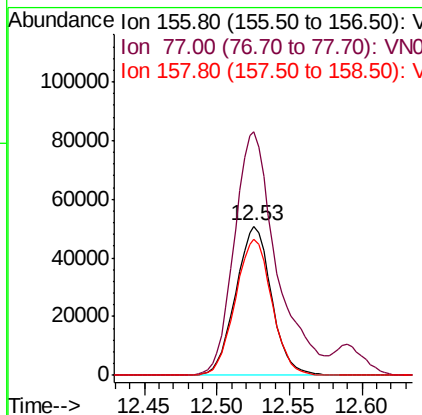
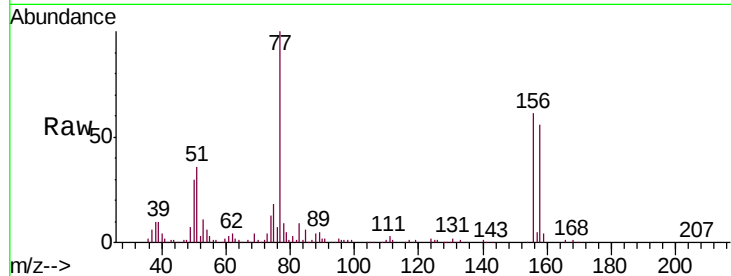
ClientSampled :

VN0503MBS01

Tgt Ion:	156	Resp:	87203
Ion Ratio	Lower	Upper	
156	100		
77	193.0	99.6	298.8
158	93.0	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.631 ug/l

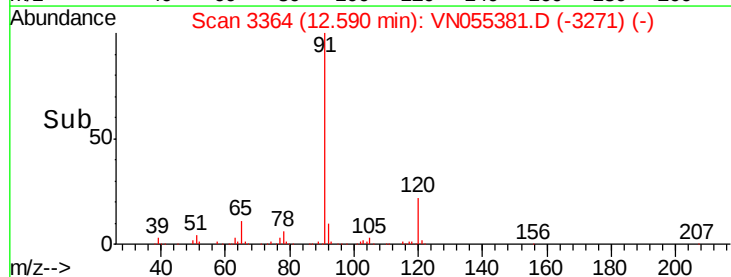
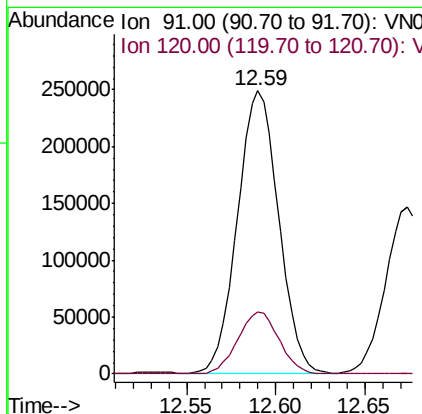
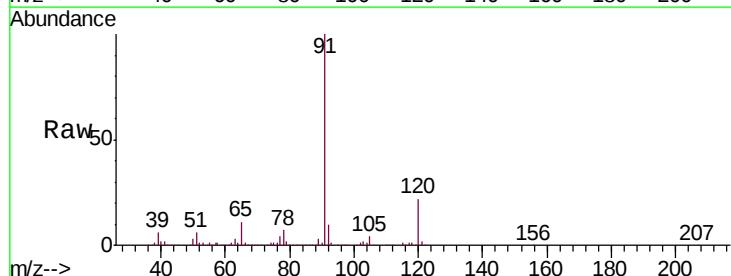
RT: 12.59 min Scan# 3364

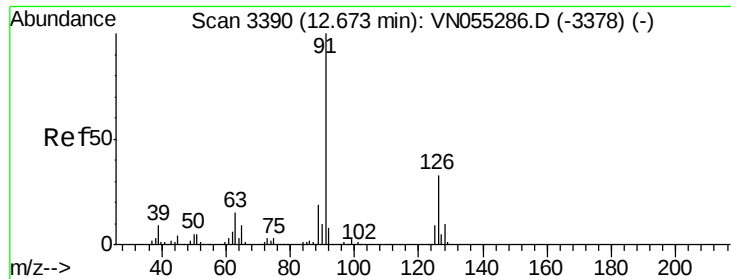
Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Tgt Ion:	91	Resp:	400242
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.0	33.0





#79

2-Chlorotoluene

Concen: 20.890 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBS01

Tgt Ion: 91 Resp: 241391

Ion Ratio Lower Upper

91 100

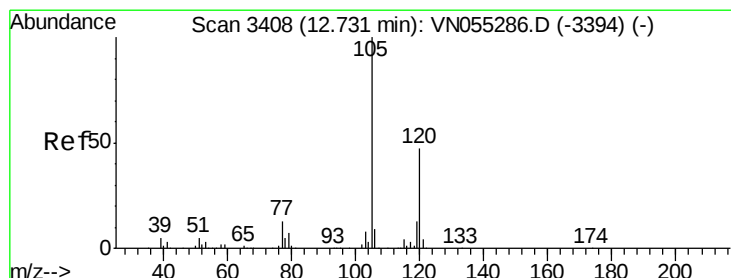
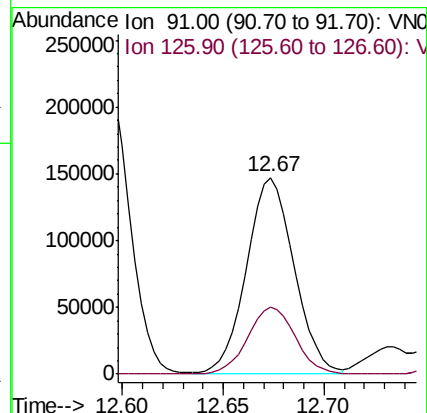
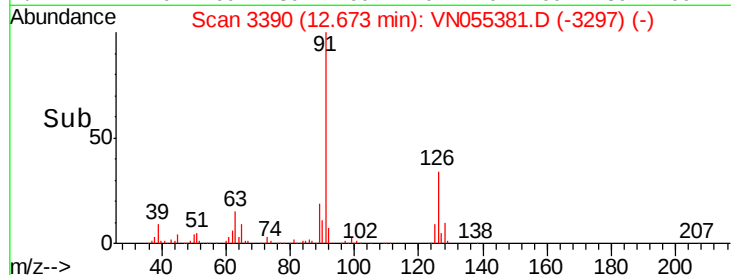
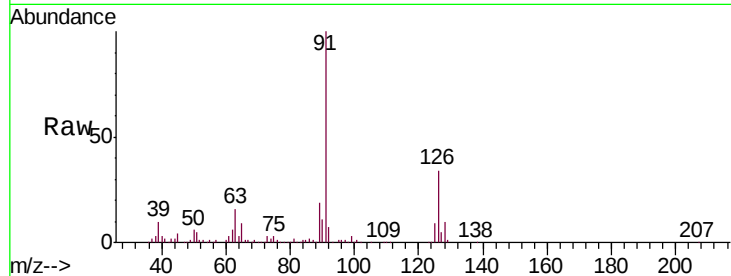
126 34.3 16.6 49.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.270 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055381.D

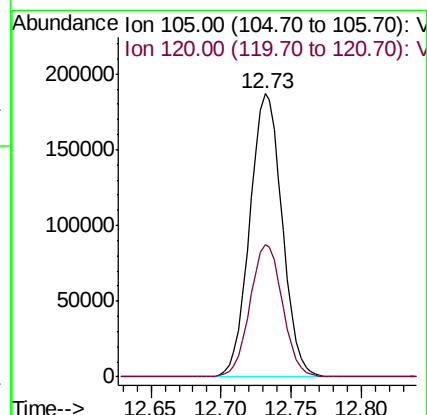
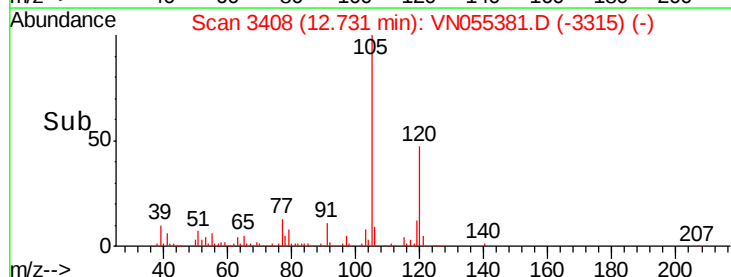
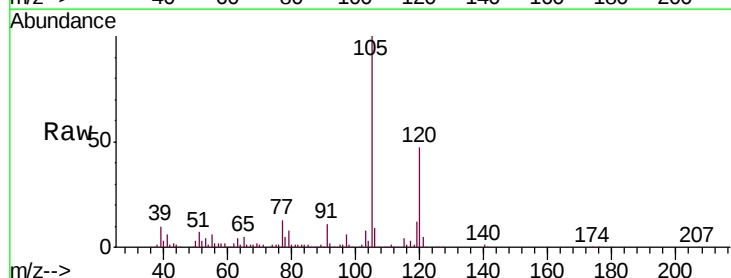
Acq: 3 May 2019 11:37

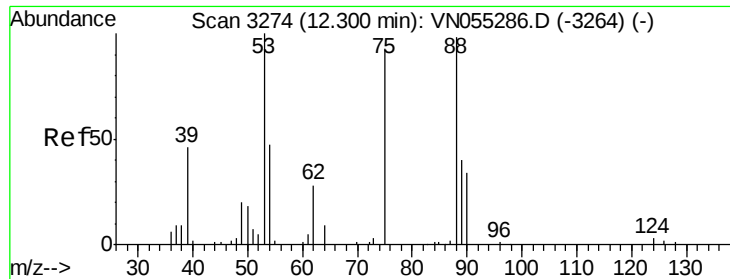
Tgt Ion: 105 Resp: 299858

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0





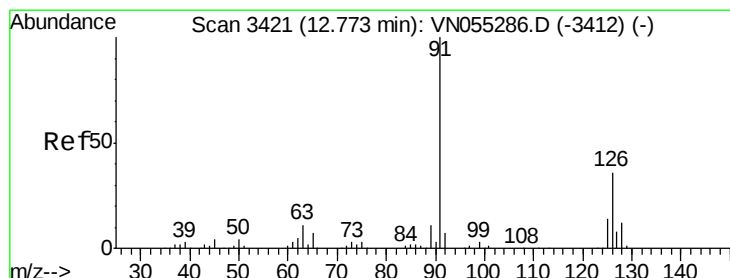
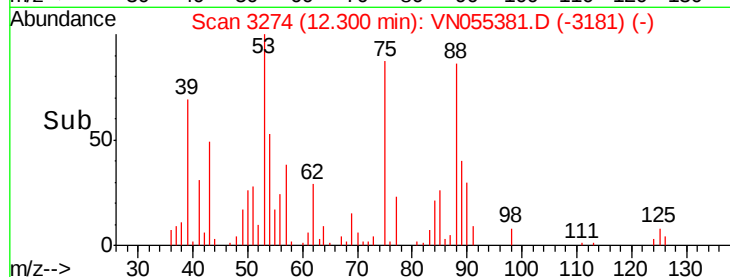
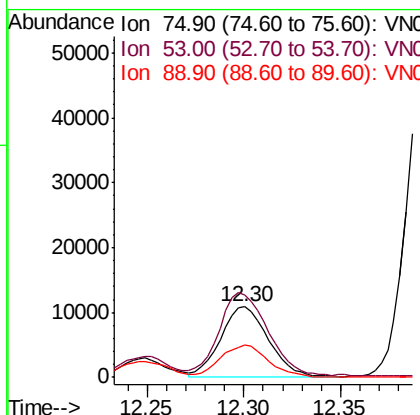
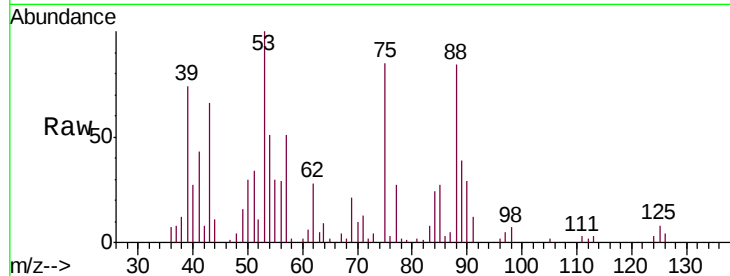
#81
trans-1,4-Dichloro-2-butene
Concen: 17.994 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampled :
VN0503MBS01

Tgt Ion: 75 Resp: 18846
Ion Ratio Lower Upper
75 100
53 122.2 86.3 129.5
89 45.3 34.6 51.8

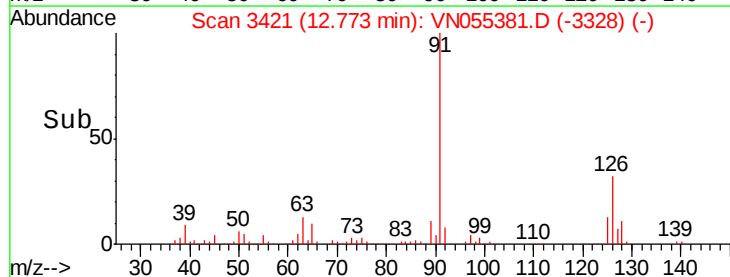
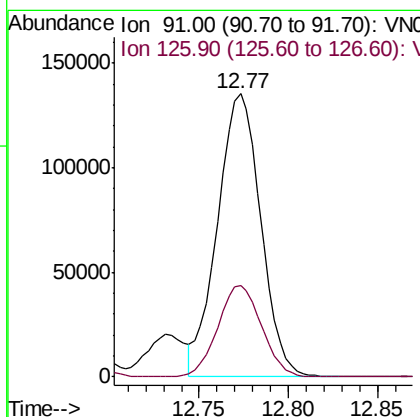
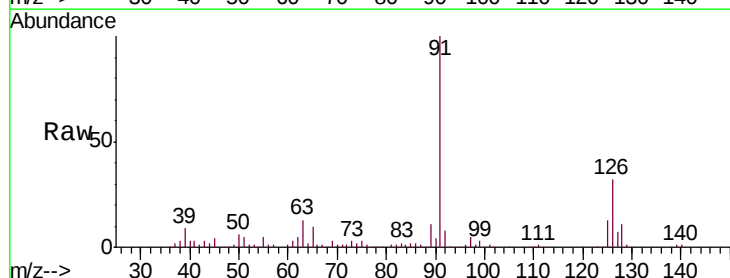
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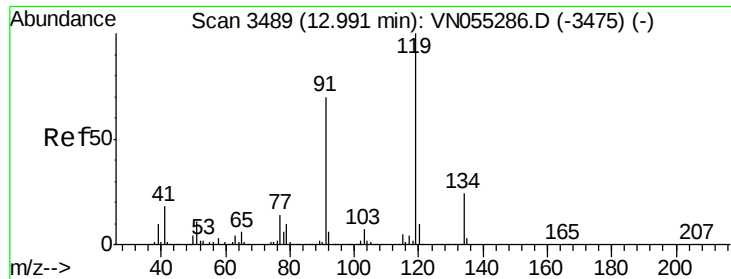
MMDadoda
5/6/2019 10:47:53 AM



#82
4-Chlorotoluene
Concen: 19.127 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion: 91 Resp: 226749
Ion Ratio Lower Upper
91 100
126 33.0 16.6 49.7





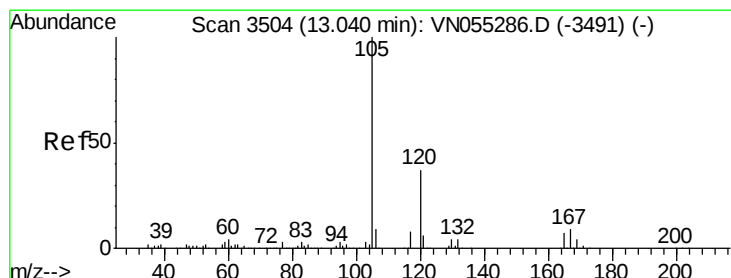
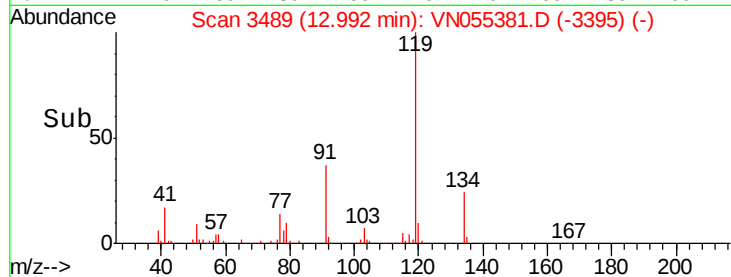
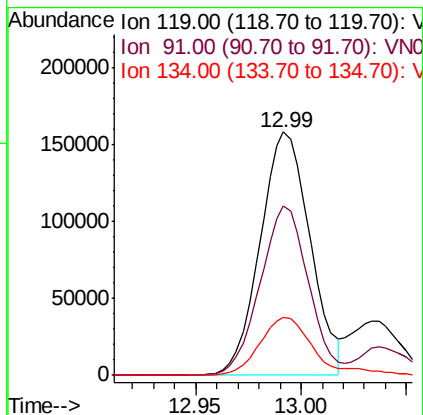
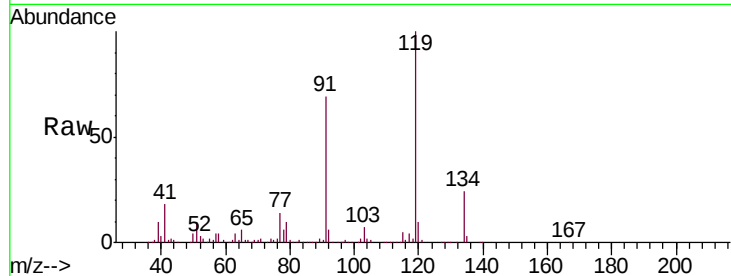
#83
 tert-Butylbenzene
 Concen: 22.140 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0503MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	261711		
91	67.3	34.3	102.9	
134	25.7	13.1	39.3	

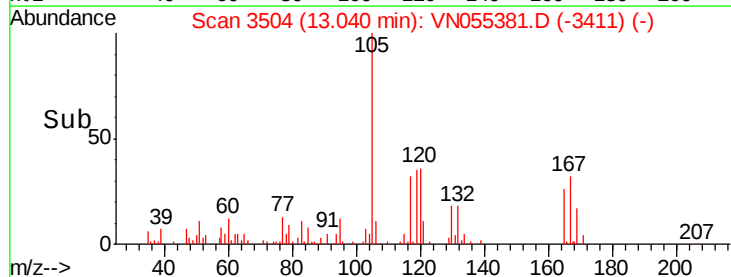
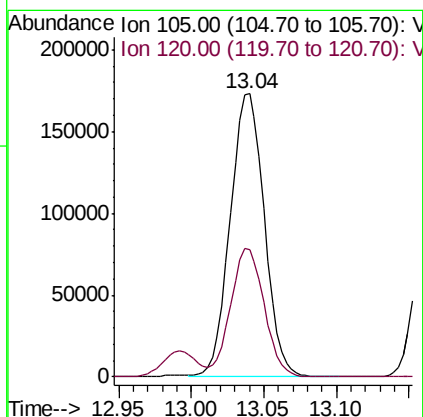
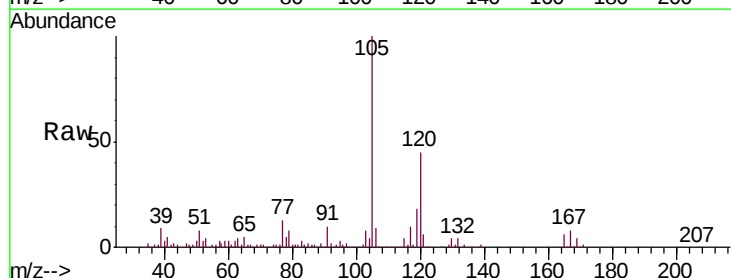
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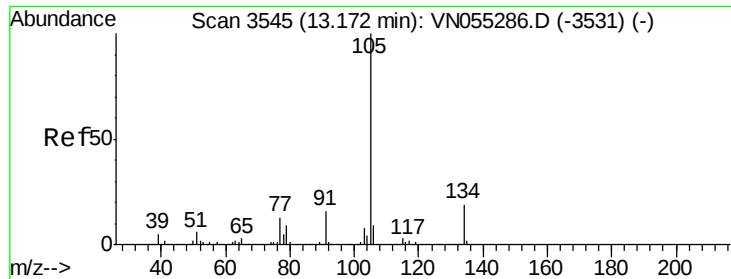
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.293 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	282407		
120	44.9	22.1	66.5	





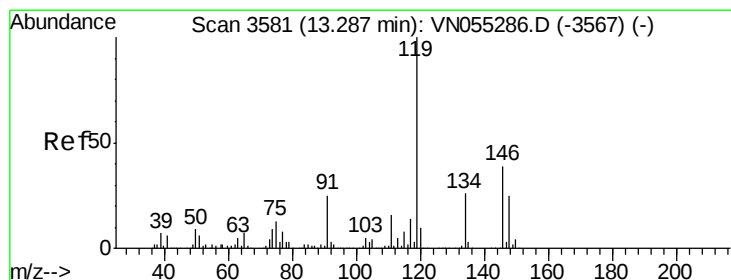
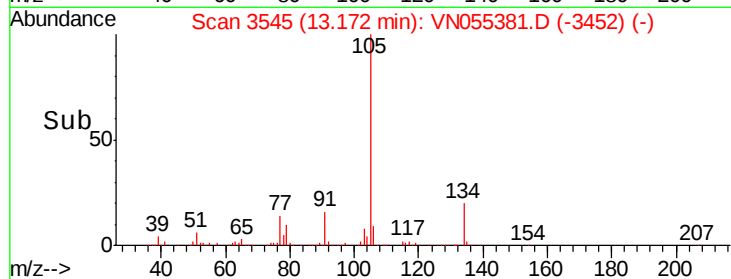
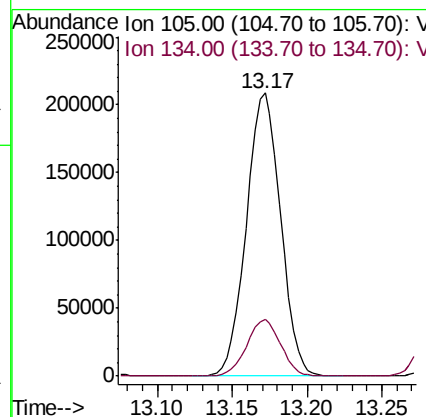
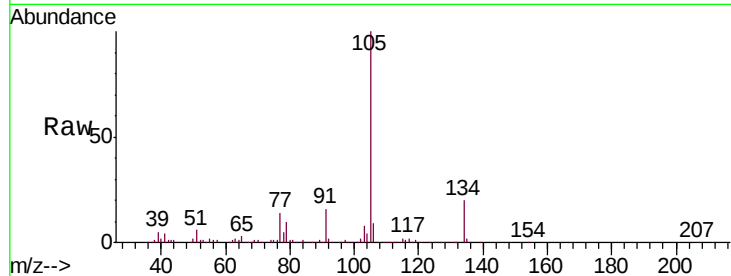
#85
 sec-Butylbenzene
 Concen: 19.671 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	332688		
134	19.9	9.6	28.8	

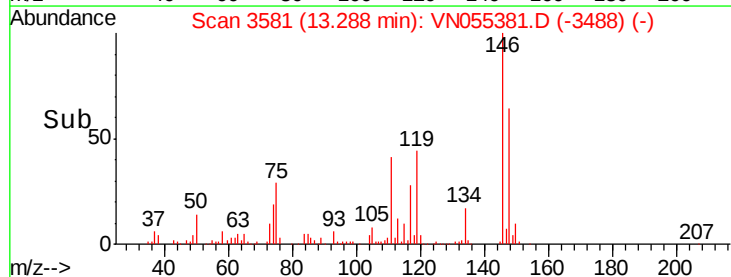
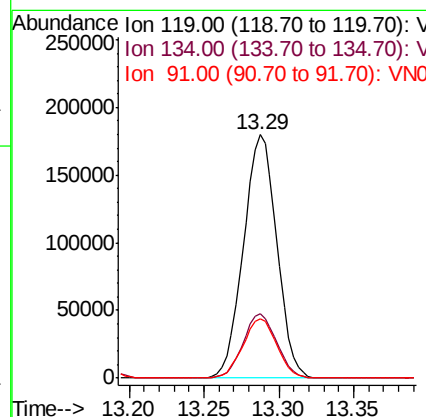
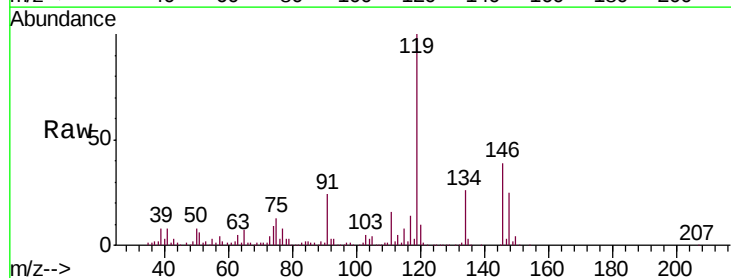
Manual Integrations
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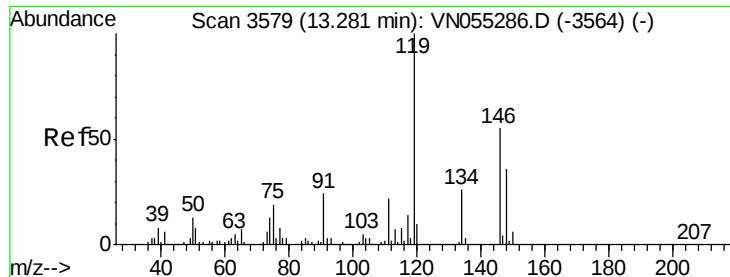
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 5/6/2019 10:47:53 AM



#86
 p-Isopropyltoluene
 Concen: 19.980 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	277744		
134	26.7	13.0	38.9	
91	24.5	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 19.659 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

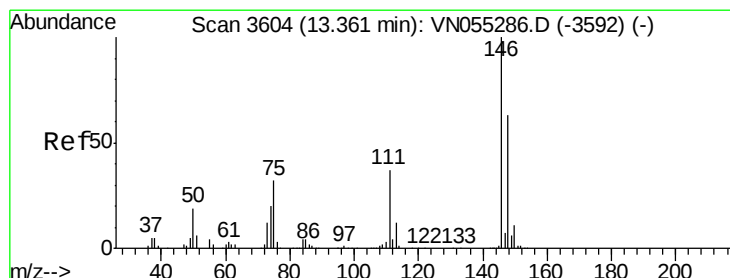
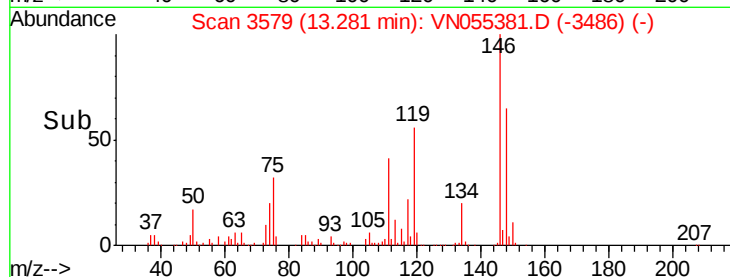
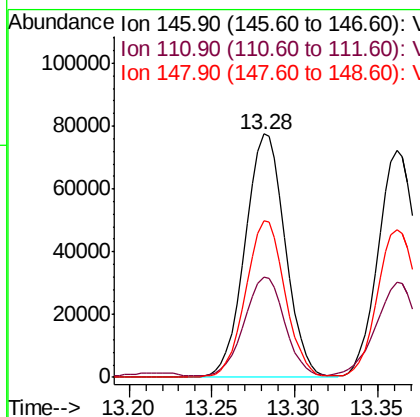
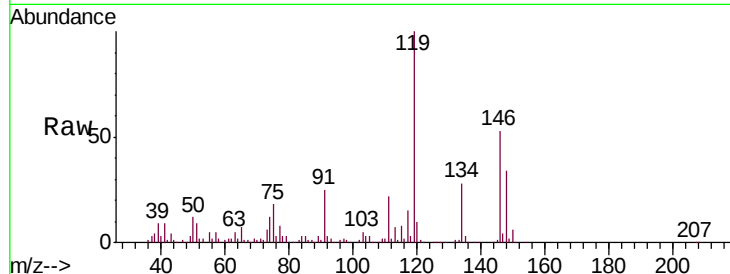
ClientSampled :

VN0503MBS01

Tgt Ion:	146	Resp:	130574
Ion Ratio	Lower	Upper	
146	100		
111	40.5	20.3	60.8
148	63.1	32.5	97.5

Manual Integrations
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5/6/2019 10:47:53 AM



#88

1,4-Dichlorobenzene

Concen: 19.282 ug/l

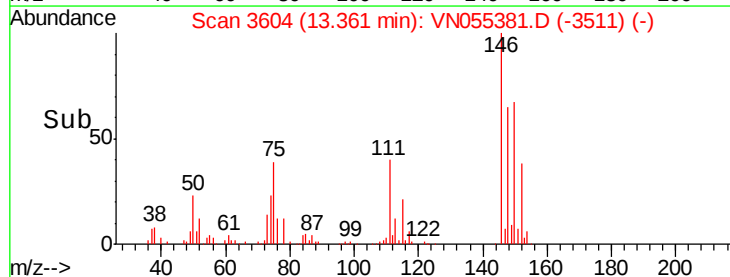
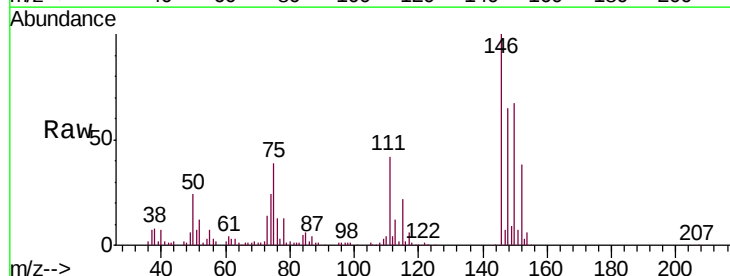
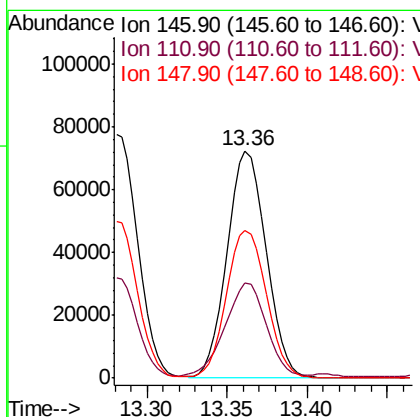
RT: 13.36 min Scan# 3604

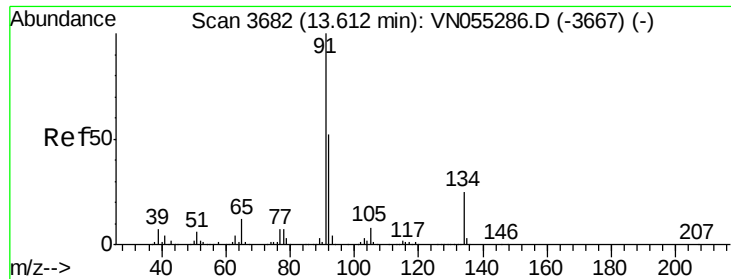
Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Tgt Ion:	146	Resp:	120607
Ion Ratio	Lower	Upper	
146	100		
111	42.8	19.5	58.5
148	66.8	32.5	97.4





#89

n-Butylbenzene

Concen: 20.648 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

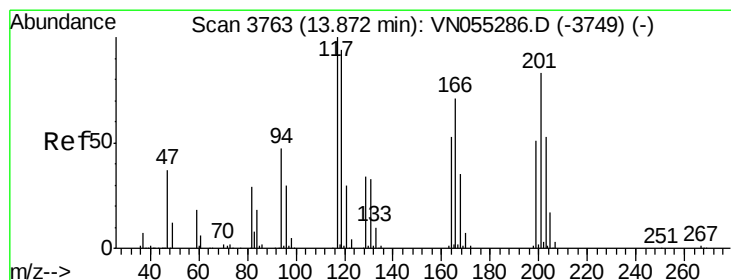
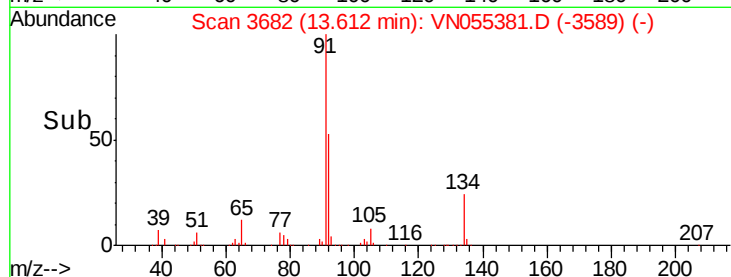
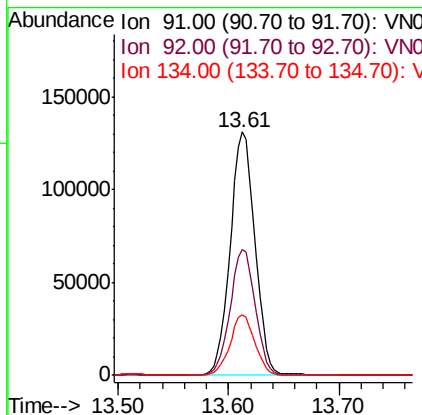
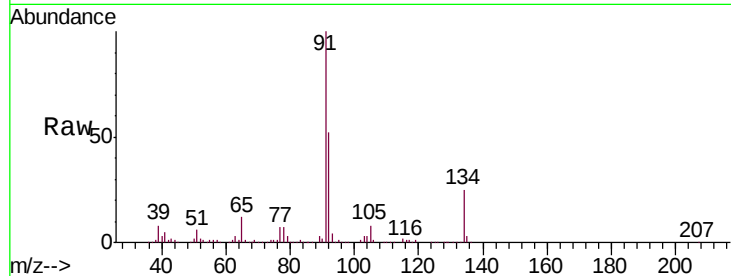
ClientSampleId :

VN0503MBS01

Tgt Ion:	91	Resp:	203957
Ion Ratio	Lower	Upper	
91	100		
92	52.4	26.1	78.3
134	25.1	12.4	37.4

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#90

Hexachloroethane

Concen: 19.099 ug/l

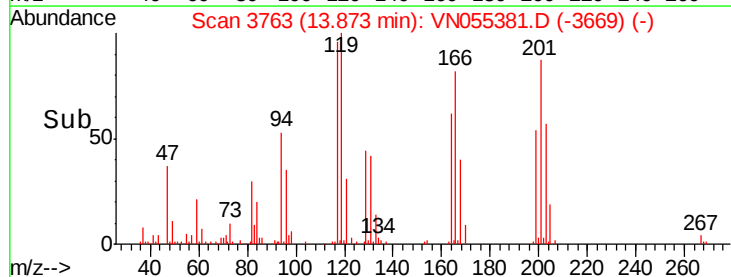
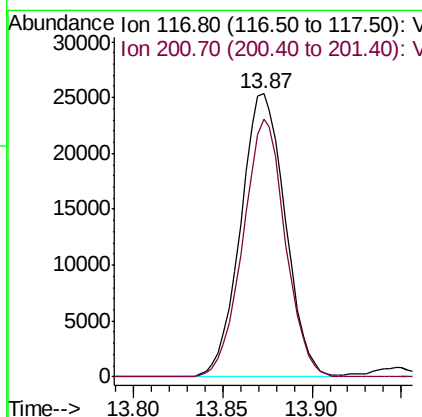
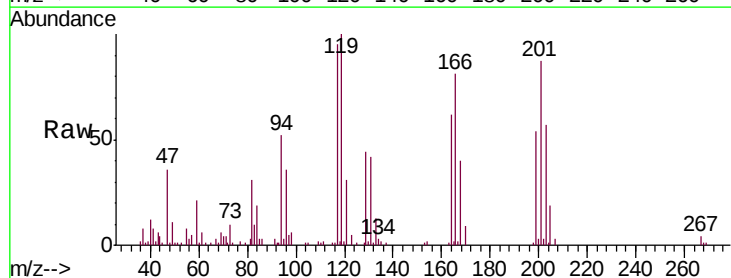
RT: 13.87 min Scan# 3763

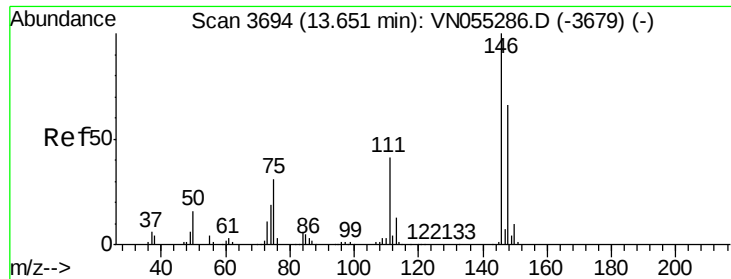
Delta R.T. 0.00 min

Lab File: VN055381.D

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Tgt Ion:	117	Resp:	44180
Ion Ratio	Lower	Upper	
117	100		
201	86.3	41.9	125.8





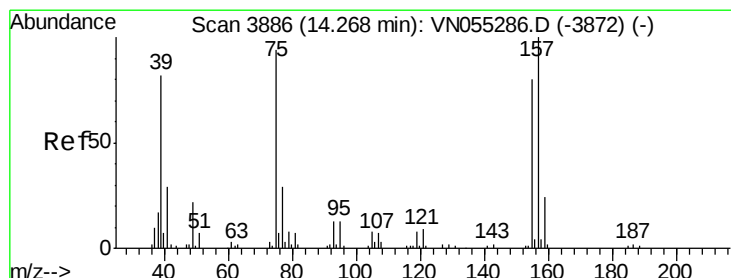
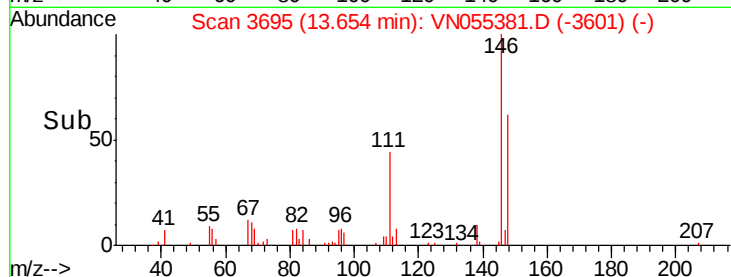
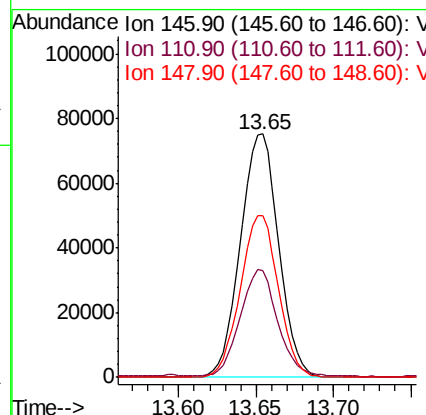
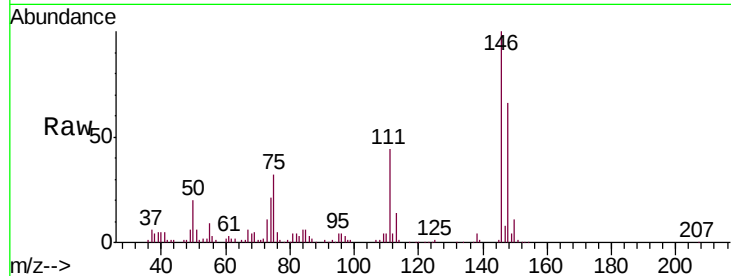
#91
 1,2-Dichlorobenzene
 Concen: 19.570 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0503MBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	20.3	61.0
148	66.4	32.4	97.2

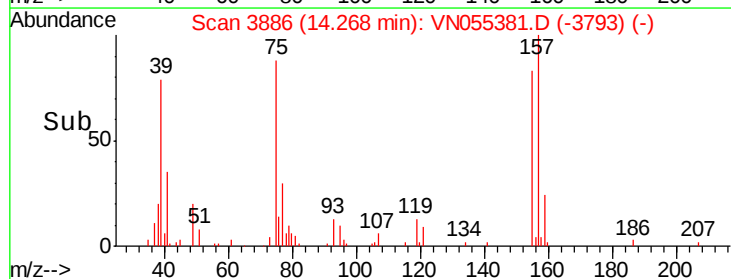
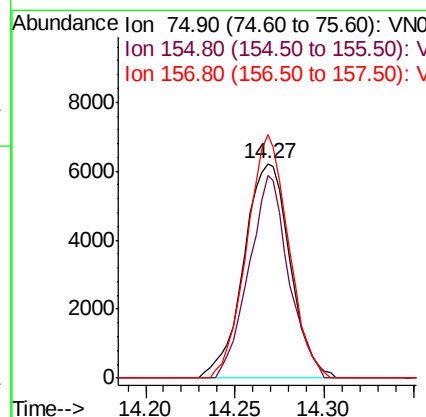
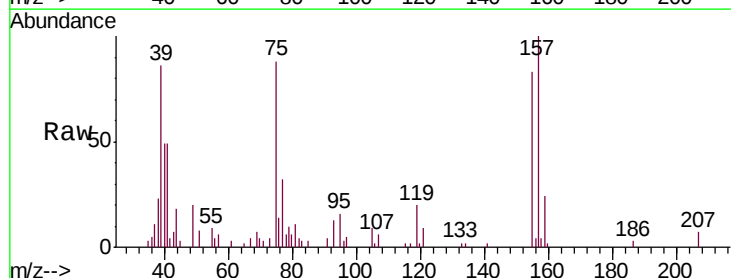
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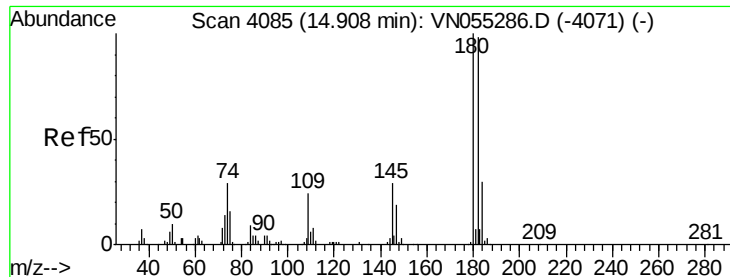
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.514 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055381.D
 Acq: 3 May 2019 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	41.5	124.6
157	102.5	54.0	162.2





#93

1,2,4-Trichlorobenzene

Concen: 17.239 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055381.D

Acq: 3 May 2019 11:37

Instrument :

MSVOA_N

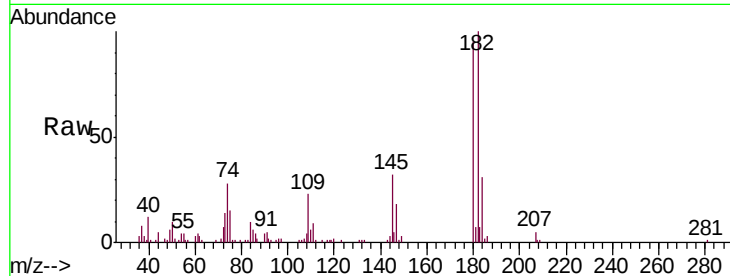
ClientSampleId :

VN0503MBS01

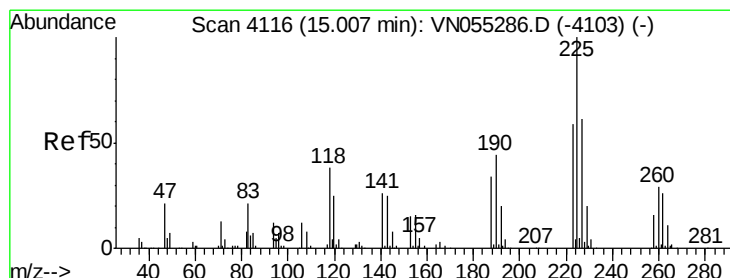
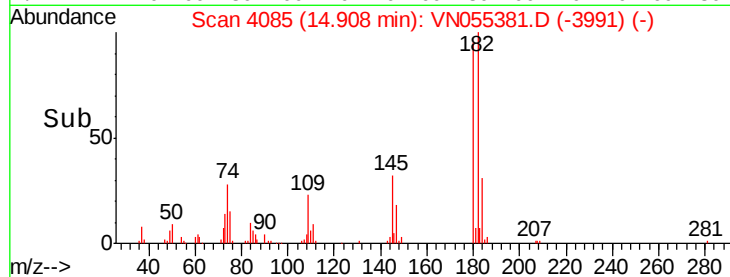
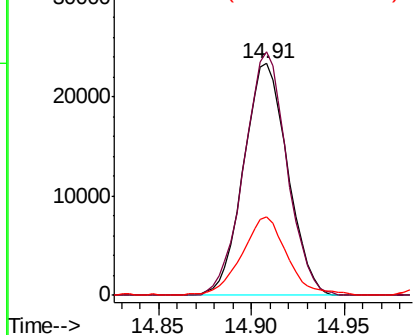
Tgt Ion:	180	Resp:	38710
Ion Ratio	Lower	Upper	
180	100		
182	102.2	48.3	144.9
145	35.1	14.2	42.6

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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 22.372 ug/l

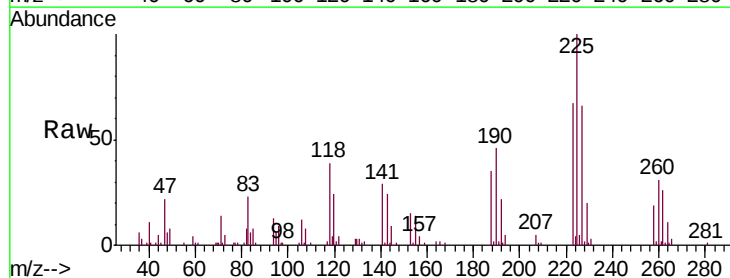
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

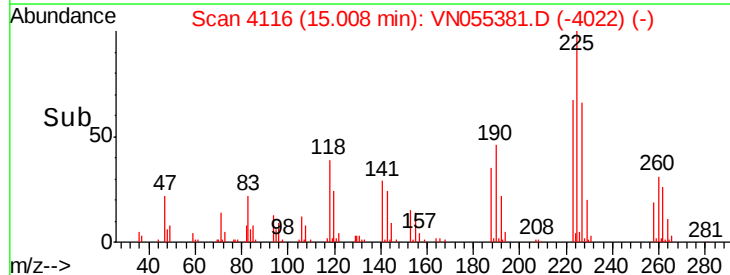
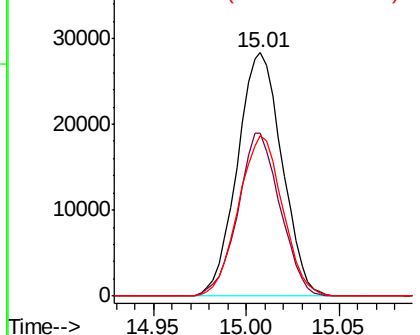
Lab File: VN055381.D

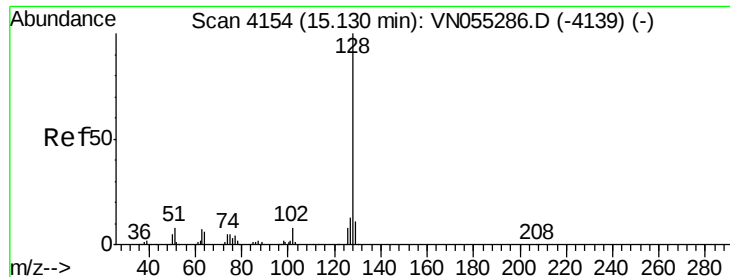
Acq: 3 May 2019 11:37

Tgt Ion:	225	Resp:	47379
Ion Ratio	Lower	Upper	
225	100		
223	63.1	30.3	90.8
227	65.1	30.9	92.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





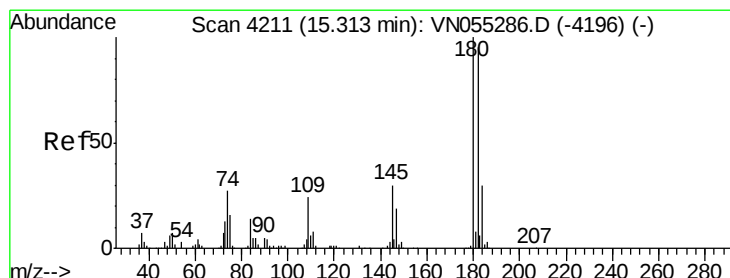
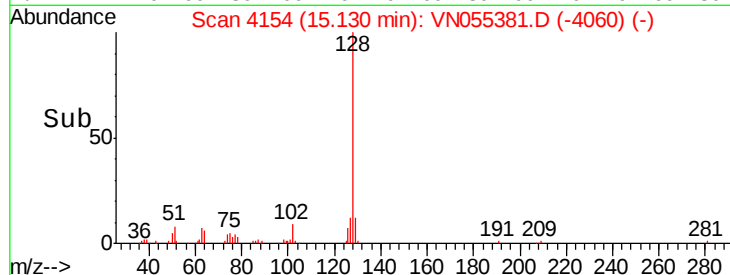
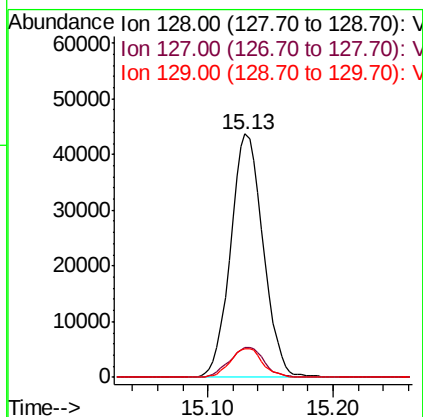
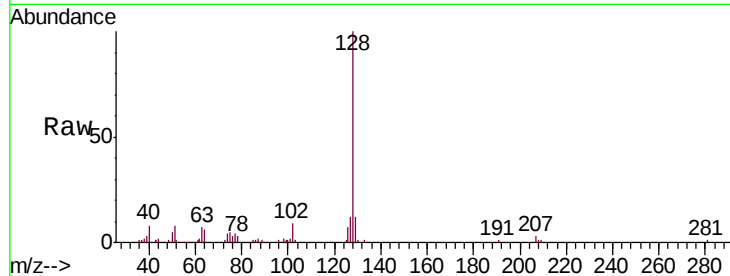
#95
Naphthalene
Concen: 16.631 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN0503MBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	11.6	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 18.725 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055381.D
Acq: 3 May 2019 11:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.3	144.9
145	32.8	15.2	45.6

