

Data File : VN055390.D
Acq On : 3 May 2019 15:22
Operator : JC/SP
Sample : VN0503WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBSD01

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:26 AM

Quant Time: May 04 00:38:11 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	404096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	646533	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	552158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	203474	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	267047	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
35) Dibromofluoromethane	7.59	113	213950	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.09	98	762899	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.40	95	240775	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	93060	18.796	ug/l	98
3) Chloromethane	2.06	50	106306	17.340	ug/l	99
4) Vinyl Chloride	2.19	62	95026	19.229	ug/l	99
5) Bromomethane	2.57	94	51667	19.738	ug/l	98
6) Chloroethane	2.71	64	54388	20.316	ug/l	98
7) Trichlorofluoromethane	3.02	101	136257	19.390	ug/l	99
8) Diethyl Ether	3.41	74	51175	20.815	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	79988	19.115	ug/l	99
10) Methyl Iodide	3.96	142	110434	18.753	ug/l	98
11) Tert butyl alcohol	4.80	59	31330	103.513	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	78433	19.649	ug/l	99
13) Acrolein	3.61	56	13140	55.591	ug/l	99
14) Allyl chloride	4.33	41	161706	19.559	ug/l	100
15) Acrylonitrile	4.99	53	175121	102.936	ug/l	98
16) Acetone	3.82	43	136412	82.814	ug/l	100
17) Carbon Disulfide	4.06	76	174111	16.713	ug/l	98
18) Methyl Acetate	4.33	43	87383	21.180	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	237751	21.186	ug/l	99
20) Methylene Chloride	4.56	84	93025	18.502	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	82759	19.576	ug/l	95
22) Diisopropyl ether	5.95	45	345307	21.021	ug/l	94
23) Vinyl Acetate	5.90	43	1112815	103.365	ug/l	100
24) 1,1-Dichloroethane	5.85	63	176170	20.129	ug/l	100
25) 2-Butanone	6.84	43	203450	96.579	ug/l	98
26) 2,2-Dichloropropane	6.82	77	110276	18.246	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	98781	20.547	ug/l	99
28) Bromochloromethane	7.20	49	88801	20.129	ug/l	98
29) Tetrahydrofuran	7.22	42	141168	104.655	ug/l	99
30) Chloroform	7.37	83	164776	19.860	ug/l	99
31) Cyclohexane	7.65	56	158052	19.007	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	132813	19.724	ug/l	99
36) 1,1-Dichloropropene	7.79	75	116046	18.739	ug/l	99
37) Ethyl Acetate	6.94	43	91825	19.347	ug/l	99
38) Carbon Tetrachloride	7.77	117	109302	18.297	ug/l	96

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Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	124031	18.837	ug/l	96
40) Benzene	8.04	78	363063	19.887	ug/l	99
41) Methacrylonitrile	7.17	41	35493	14.353	ug/l #	67
42) 1,2-Dichloroethane	8.13	62	123627	19.120	ug/l	100
43) Isopropyl Acetate	8.17	43	160417	21.031	ug/l #	88
44) Trichloroethene	8.84	130	90368	19.417	ug/l	96
45) 1,2-Dichloropropane	9.12	63	101698	19.315	ug/l	95
46) Dibromomethane	9.21	93	55814	19.393	ug/l	99
47) Bromodichloromethane	9.40	83	122486	19.838	ug/l	100
48) Methyl methacrylate	9.20	41	72806	19.416	ug/l	96
49) 1,4-Dioxane	9.20	88	16974	437.905	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	441212	102.741	ug/l	99
52) Toluene	10.16	92	208890	19.942	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	106858	19.937	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	133647	19.999	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	78415	20.160	ug/l	98
56) Ethyl methacrylate	10.43	69	100061	20.900	ug/l	98
57) 1,3-Dichloropropane	10.71	76	136262	19.969	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	97120	74.526	ug/l	98
59) 2-Hexanone	10.75	43	258369	96.157	ug/l	100
60) Dibromochloromethane	10.90	129	79032	19.880	ug/l	98
61) 1,2-Dibromoethane	11.01	107	70172	19.518	ug/l	96
64) Tetrachloroethene	10.63	164	90655	20.077	ug/l	99
65) Chlorobenzene	11.43	112	210335	19.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	83037	19.644	ug/l	98
67) Ethyl Benzene	11.51	91	380497	19.518	ug/l	100
68) m/p-Xylenes	11.62	106	274616	39.465	ug/l	99
69) o-Xylene	11.95	106	138170	20.034	ug/l	100
70) Styrene	11.96	104	218463	20.630	ug/l	99
71) Bromoform	12.13	173	44770	19.087	ug/l #	94
73) Isopropylbenzene	12.25	105	370881	21.079	ug/l	99
74) N-amyl acetate	12.07	43	99534	19.061	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	89179	20.227	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	88530m	21.998	ug/l	
77) Bromobenzene	12.53	156	87832	21.365	ug/l	97
78) n-propylbenzene	12.59	91	393763	18.839	ug/l	99
79) 2-Chlorotoluene	12.67	91	246305	20.780	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	303612	19.033	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	18338	17.079	ug/l #	83
82) 4-Chlorotoluene	12.77	91	231178	19.023	ug/l	99
83) tert-Butylbenzene	12.99	119	260547	21.412	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	288461	20.220	ug/l	100
85) sec-Butylbenzene	13.17	105	328534	18.949	ug/l	98
86) p-Isopropyltoluene	13.29	119	275410	19.327	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	132357	19.439	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	123566	19.271	ug/l	98
89) n-Butylbenzene	13.61	91	195488	19.305	ug/l	99
90) Hexachloroethane	13.88	117	45804	19.334	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	133937	19.847	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12021	22.456	ug/l	92

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	39322	17.112	ug/l	99
94) Hexachlorobutadiene	15.01	225	46751	21.423	ug/l	95
95) Naphthalene	15.13	128	81205	16.731	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44222	18.609	ug/l	99

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

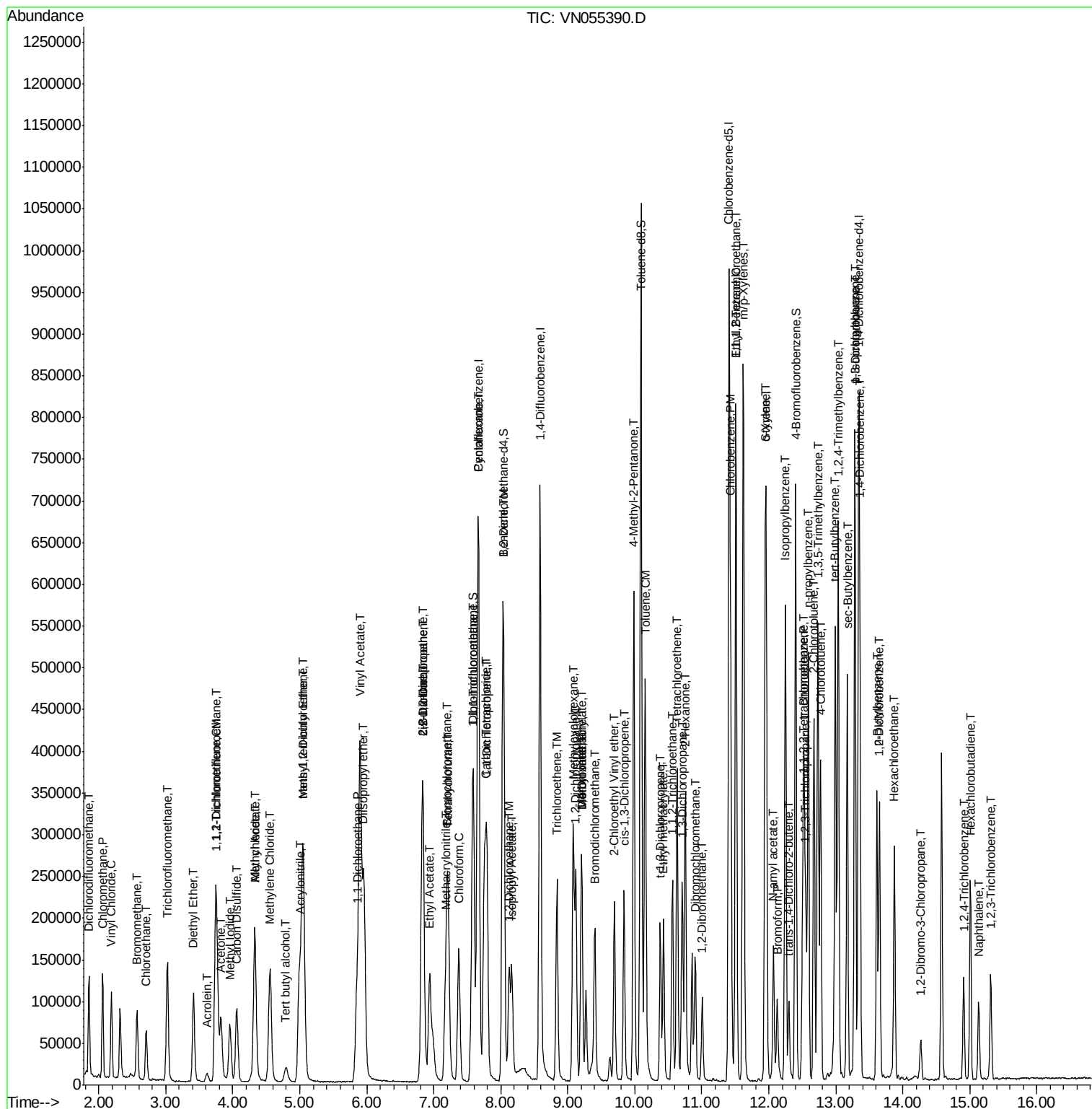
Data File : VN055390.D
Acq On : 3 May 2019 15:22
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Sample : VN0503WBSD01
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ALS Vial : 16 Sample Multiplier: 1

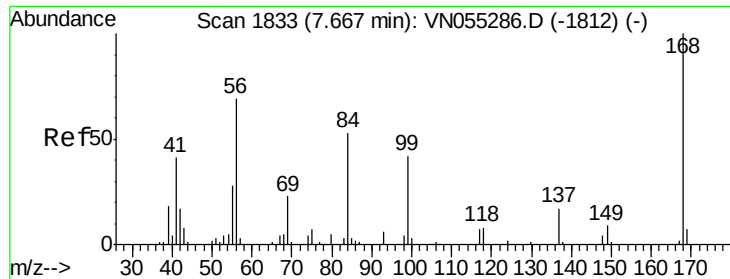
Instrument :
MSVOA_N
Client Sampled :
VN0503WBSD01

Manual Integrations
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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: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampled :

VN0503WBSD01

Tgt Ion:168 Resp: 404096

Ion Ratio Lower Upper

168 100

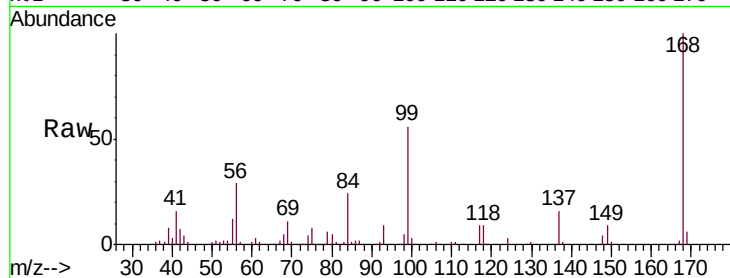
99 55.4 43.6 65.4

Manual Integrations

APPROVED

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

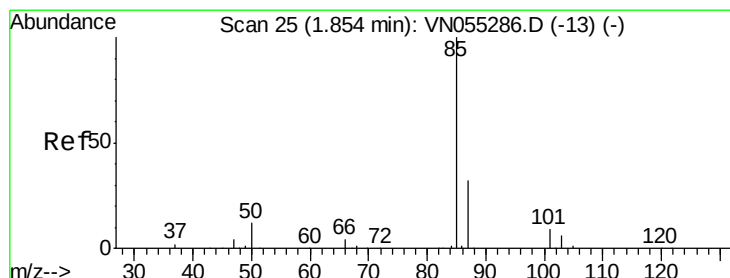
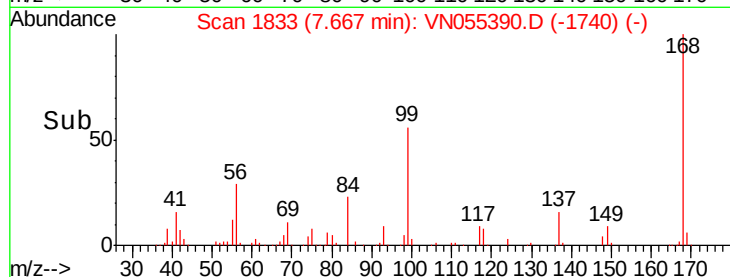
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.796 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055390.D

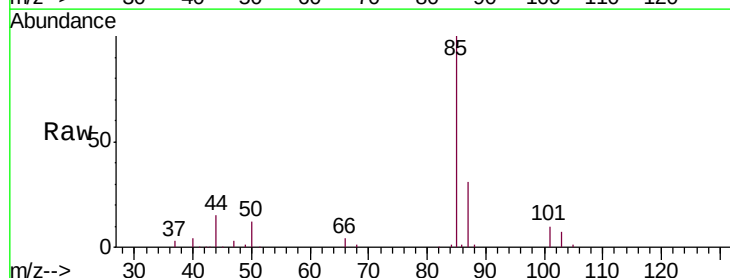
Acq: 3 May 2019 15:22

Tgt Ion: 85 Resp: 93060

Ion Ratio Lower Upper

85 100

87 31.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

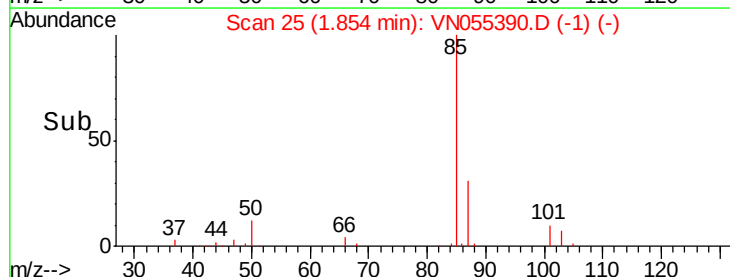
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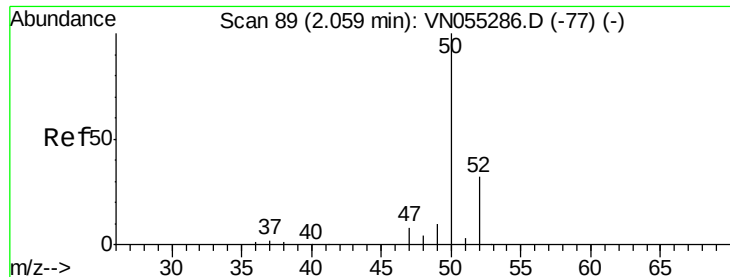
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.340 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0503WBSD01

Tgt Ion: 50 Resp: 106306

Ion Ratio Lower Upper

50 100

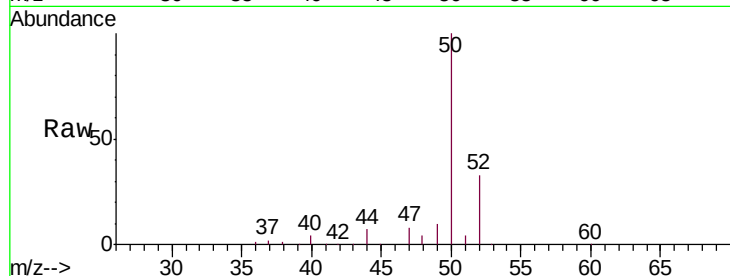
52 32.8 25.7 38.5

Manual Integrations

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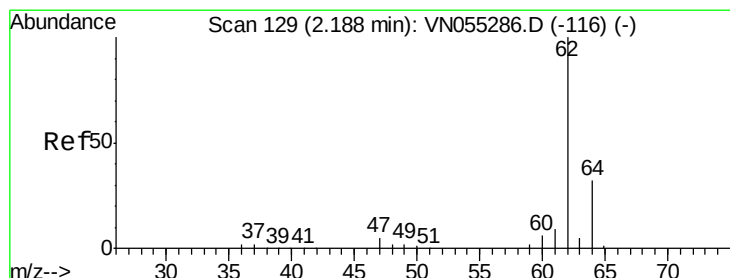
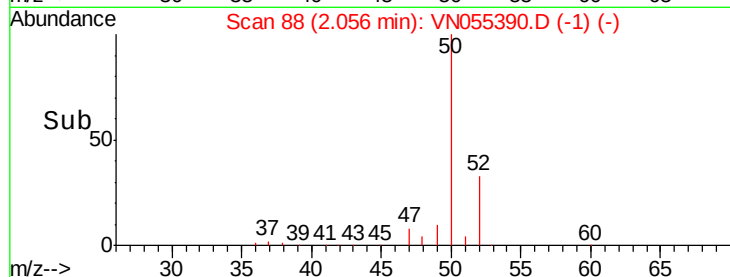
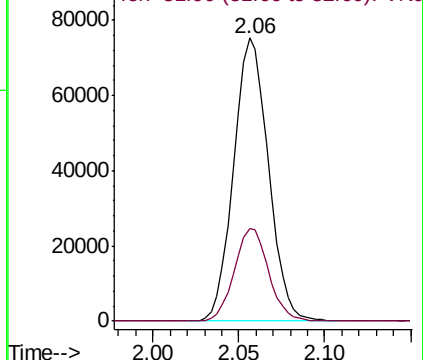
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.229 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055390.D

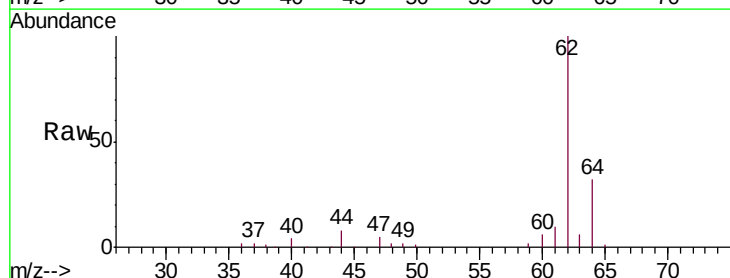
Acq: 3 May 2019 15:22

Tgt Ion: 62 Resp: 95026

Ion Ratio Lower Upper

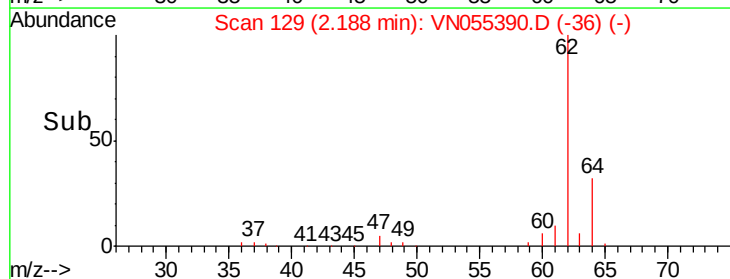
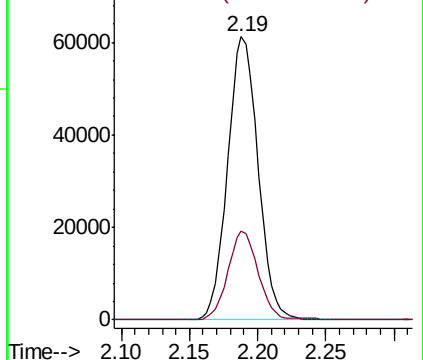
62 100

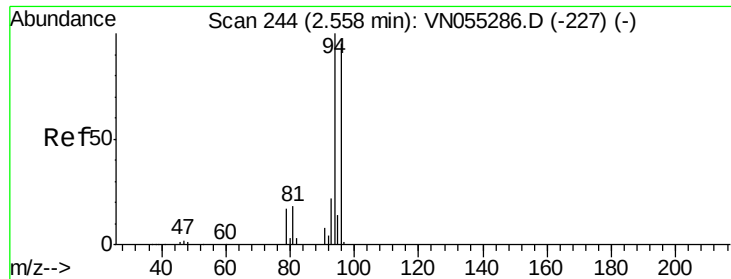
64 31.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.738 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

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ClientSampleId :

VN0503WBSD01

Tgt Ion: 94 Resp: 51667

Ion Ratio Lower Upper

94 100

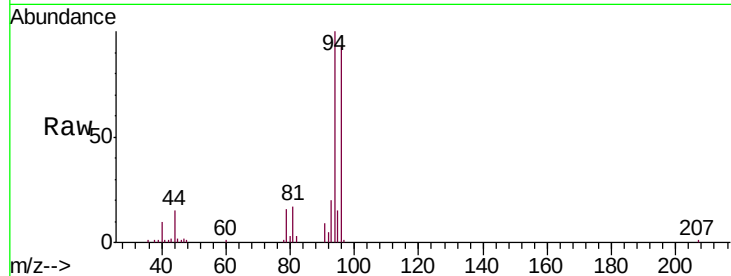
96 92.9 76.0 114.0

Manual Integrations

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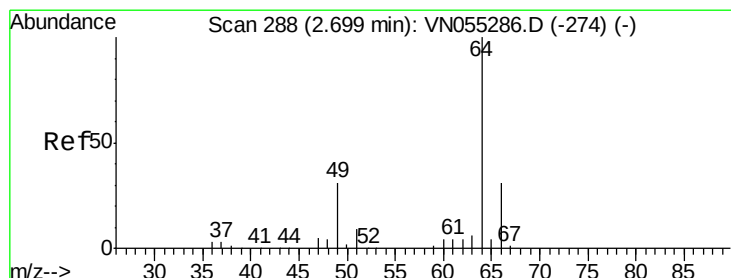
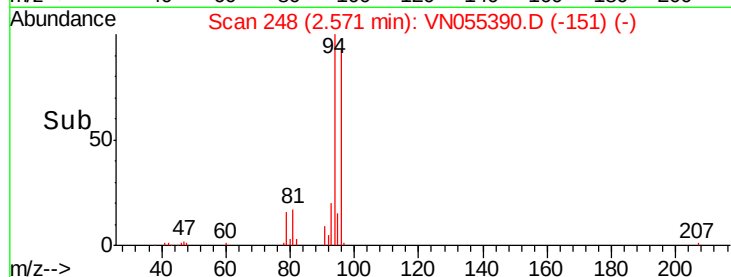
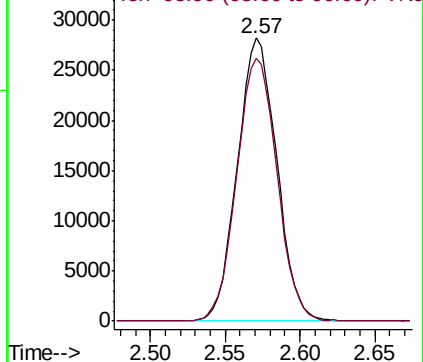
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.316 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN055390.D

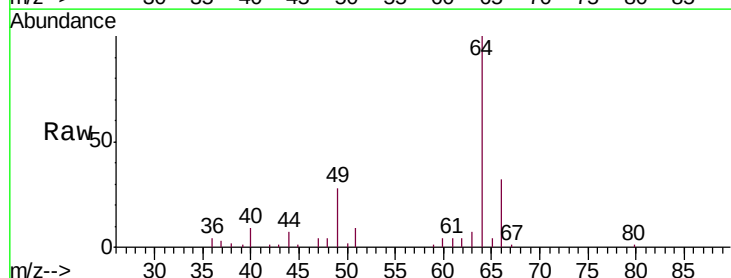
Acq: 3 May 2019 15:22

Tgt Ion: 64 Resp: 54388

Ion Ratio Lower Upper

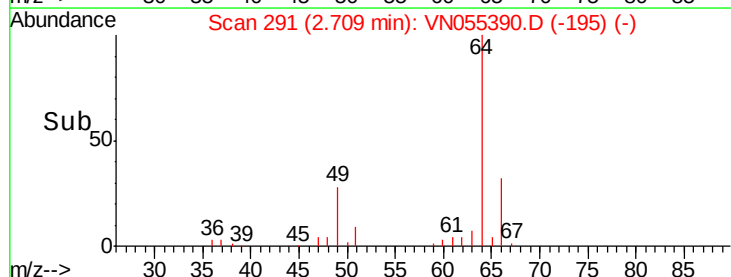
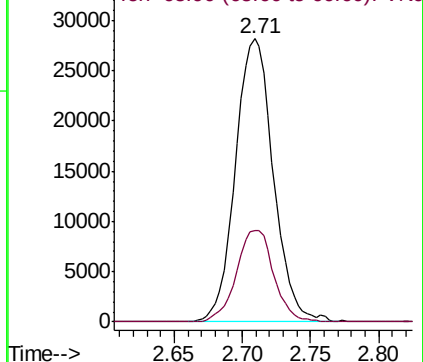
64 100

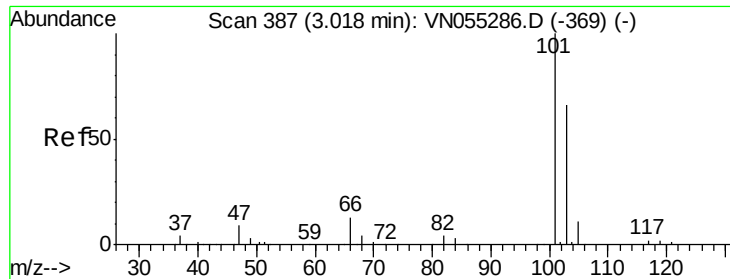
66 32.4 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

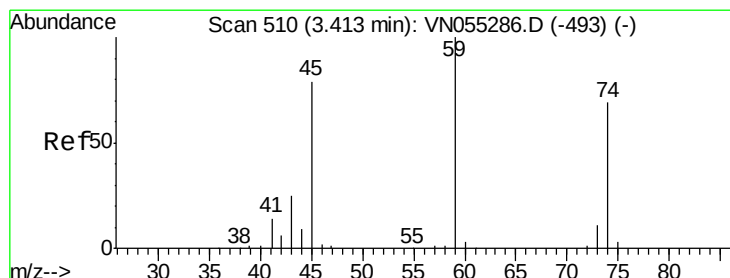
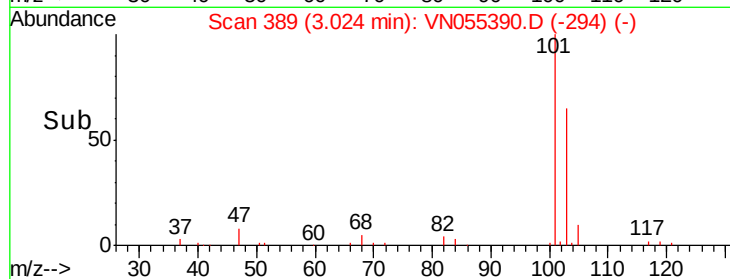
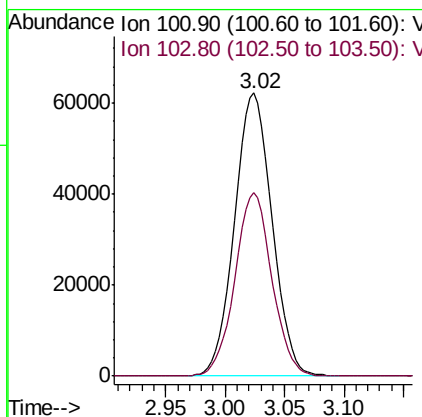
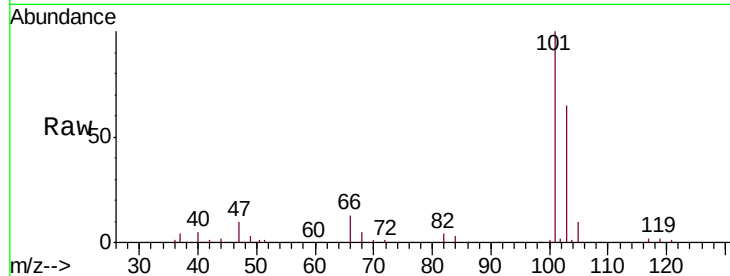
Trichlorofluoromethane
Concen: 19.390 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.01 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampled :
VN0503WBSD01

Tgt Ion:101 Resp: 136257
Ion Ratio Lower Upper
101 100
103 64.7 52.6 79.0

Manual Integrations
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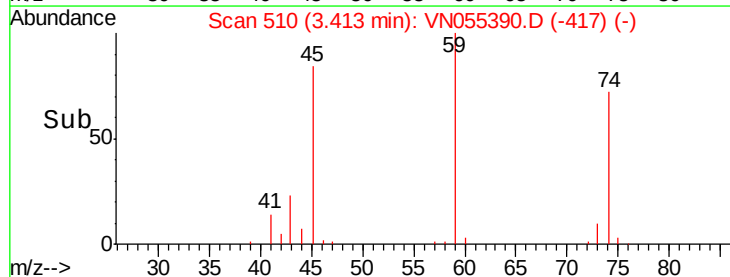
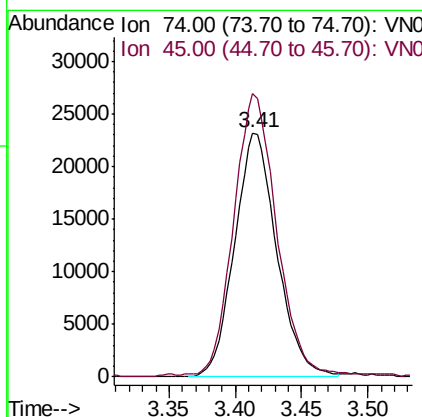
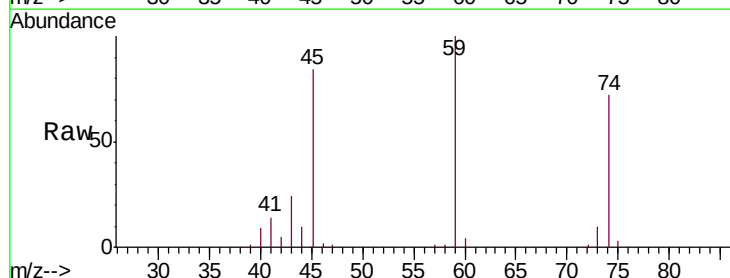
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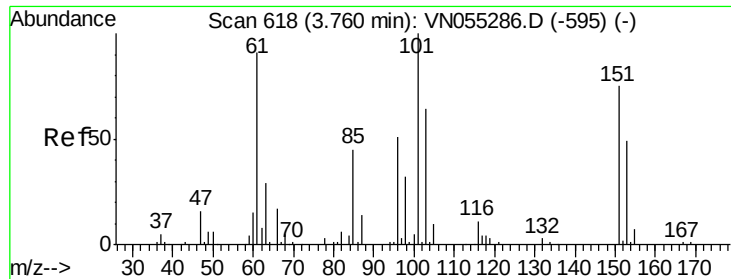


#8

Diethyl Ether
Concen: 20.815 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion: 74 Resp: 51175
Ion Ratio Lower Upper
74 100
45 116.4 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.115 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.01 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

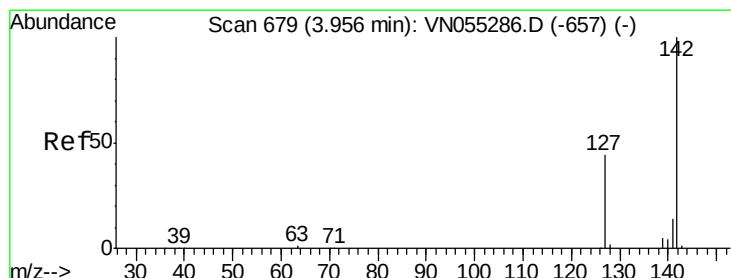
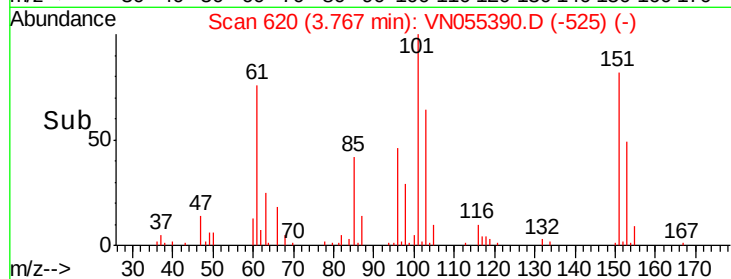
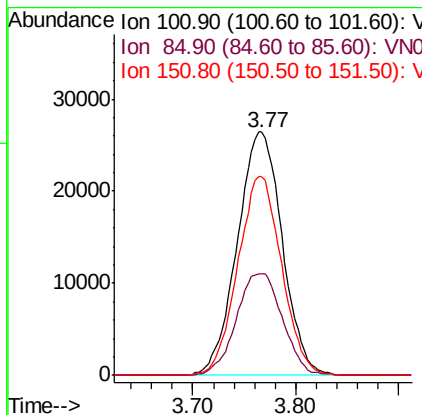
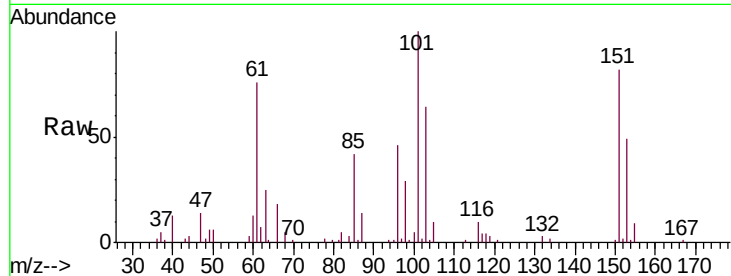
ClientSampled :

VN0503WBSD01

Tgt Ion:	101	Resp:	79988
Ion Ratio	Lower	Upper	
101	100		
85	42.9	35.7	53.5
151	79.7	63.3	94.9

Manual Integrations
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#10

Methyl Iodide

Concen: 18.753 ug/l

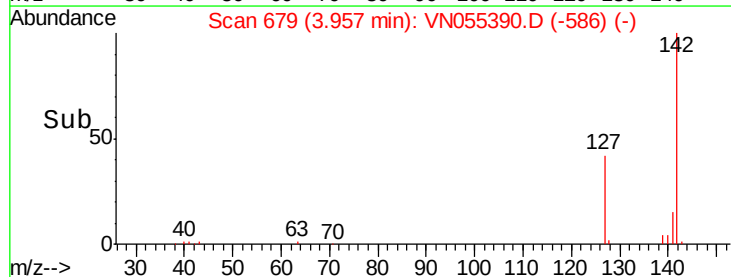
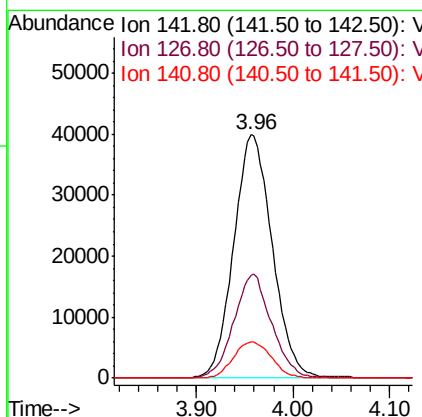
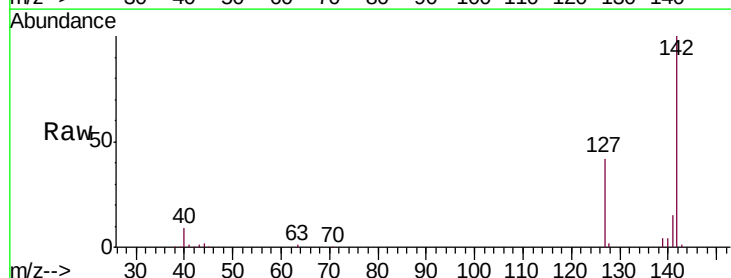
RT: 3.96 min Scan# 679

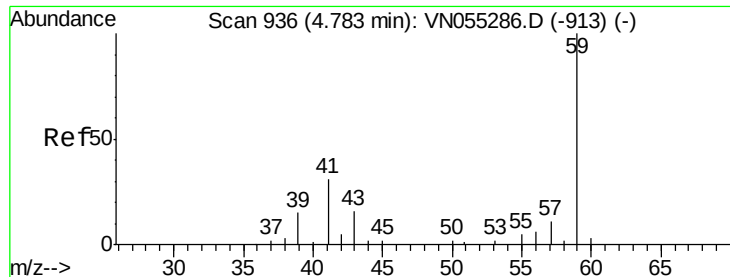
Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Tgt Ion:	142	Resp:	110434
Ion Ratio	Lower	Upper	
142	100		
127	41.9	34.4	51.6
141	14.8	11.5	17.3





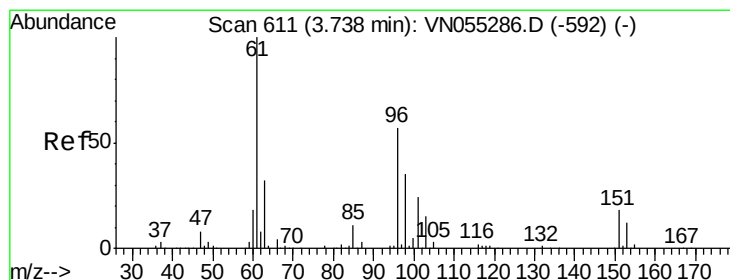
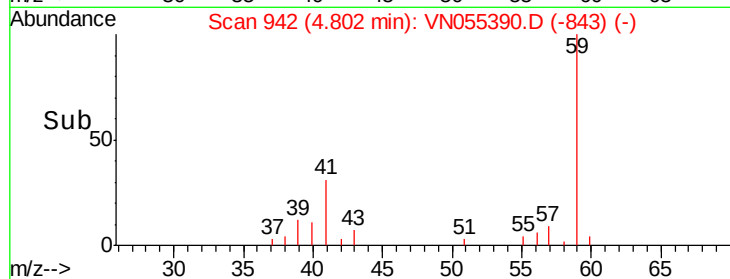
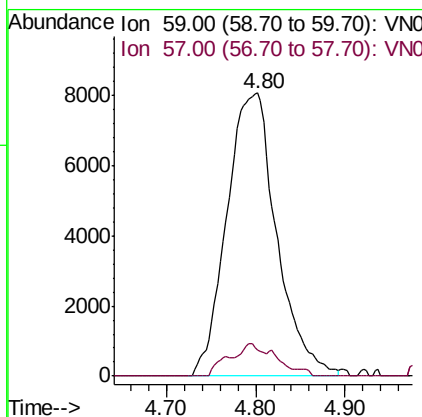
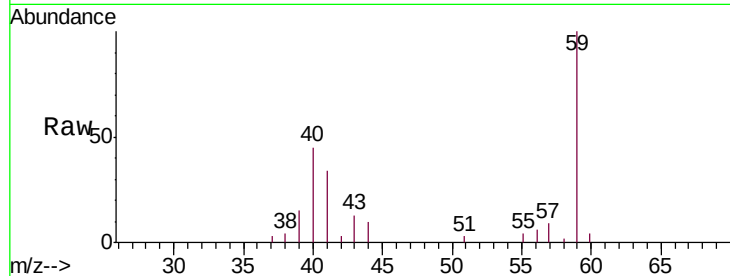
#11
Tert butyl alcohol
Concen: 103.513 ug/l
RT: 4.80 min Scan# 942
Delta R.T. 0.02 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampled :
VN0503WBSD01

Tgt Ion: 59 Resp: 31330
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

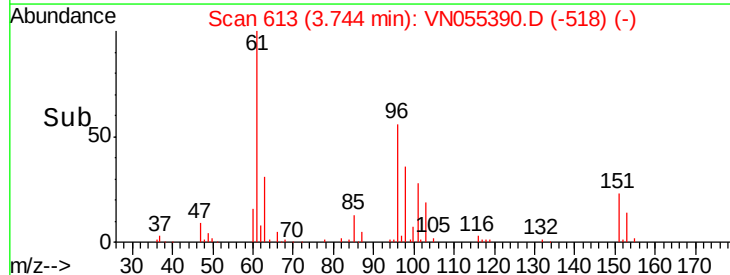
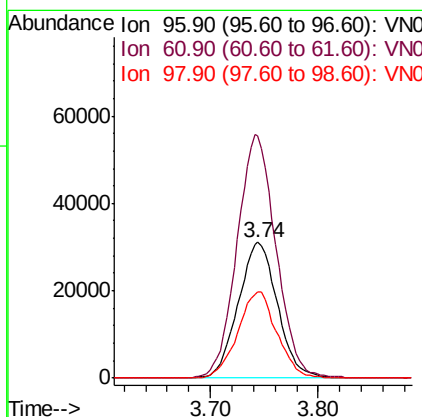
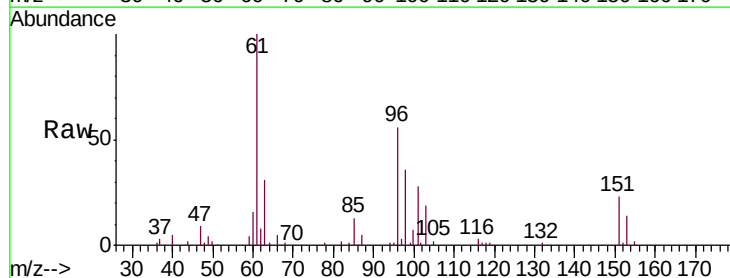
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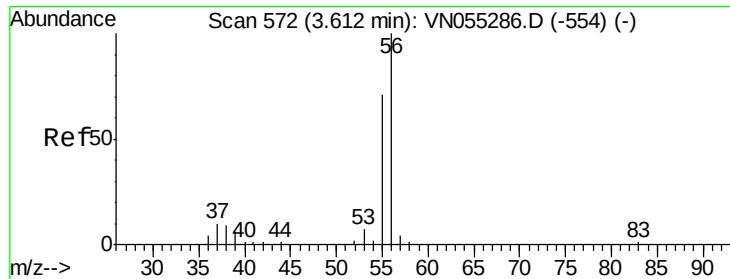
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.649 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion: 96 Resp: 78433
Ion Ratio Lower Upper
96 100
61 177.7 140.9 211.3
98 63.1 50.0 75.0





#13

Acrolein

Concen: 55.591 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0503WBSD01

Tgt Ion: 56 Resp: 13140

Ion Ratio Lower Upper

56 100

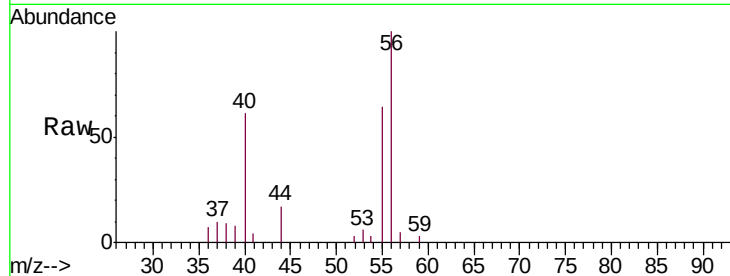
55 70.9 57.4 86.2

Manual Integrations

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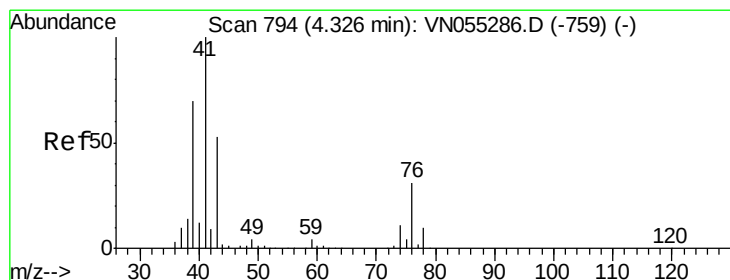
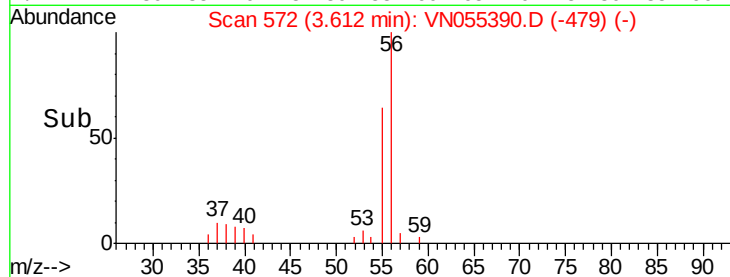
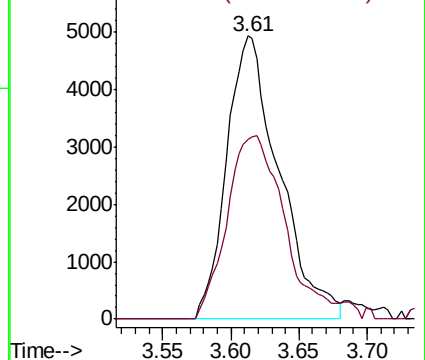
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.559 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

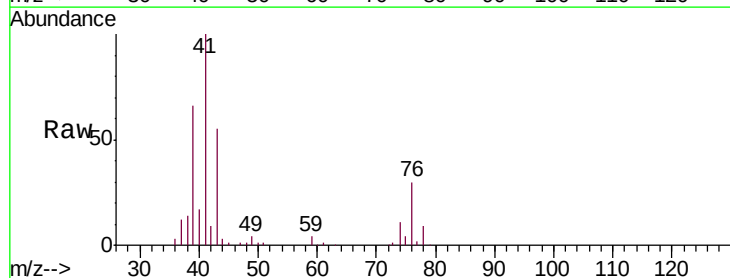
Tgt Ion: 41 Resp: 161706

Ion Ratio Lower Upper

41 100

39 66.0 53.0 79.6

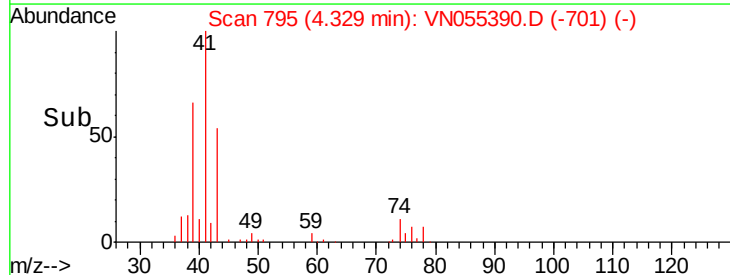
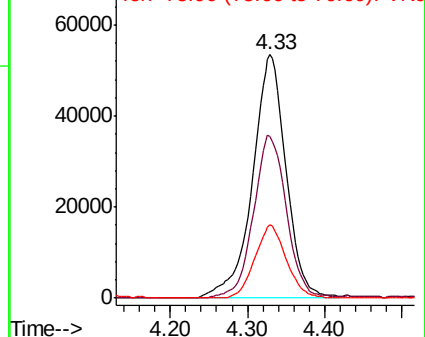
76 28.4 22.7 34.1

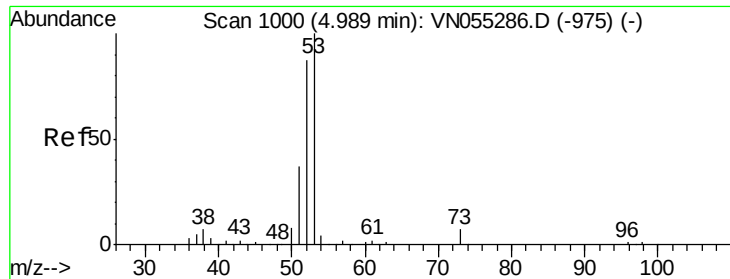


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





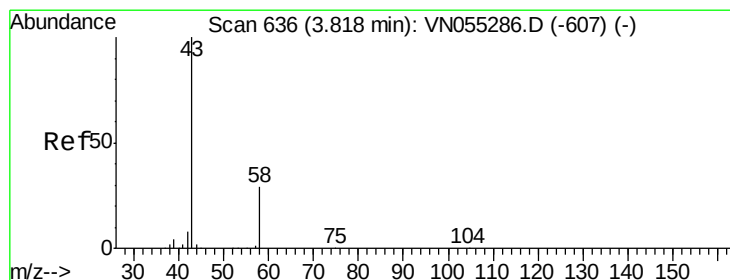
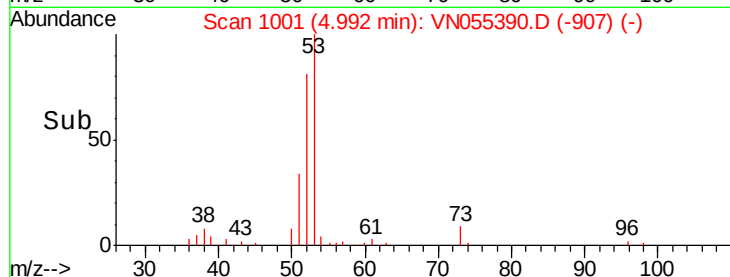
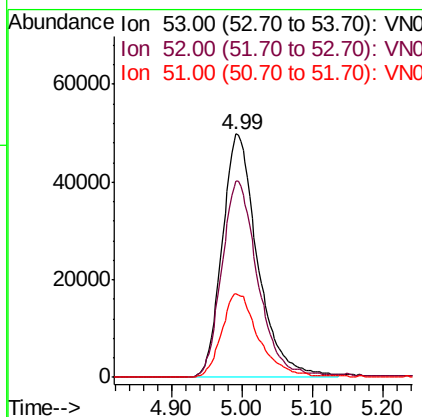
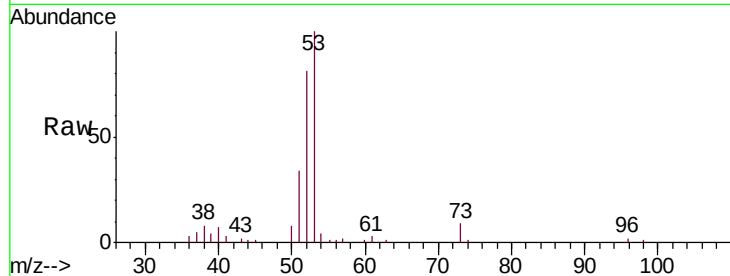
#15
 Acrylonitrile
 Concen: 102.936 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503WBSD01

Tgt Ion:	53	Resp:	175121
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.5	99.7
51	35.9	29.6	44.4

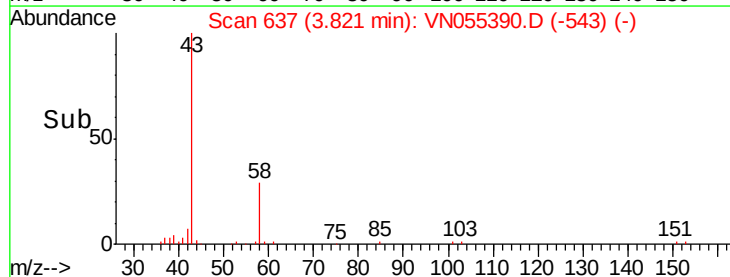
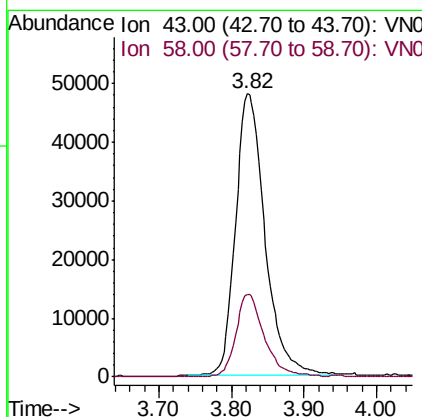
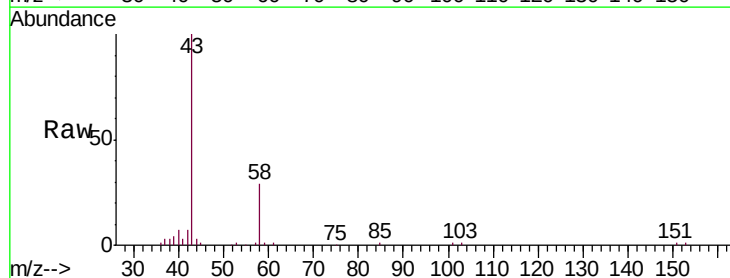
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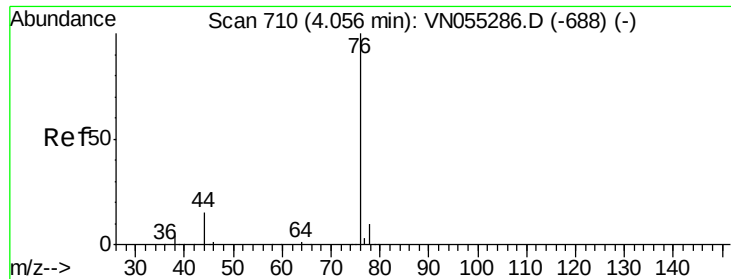
MMDadoda
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#16
 Acetone
 Concen: 82.814 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Tgt Ion:	43	Resp:	136412
Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.6	35.4





#17

Carbon Disulfide

Concen: 16.713 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampled :

VN0503WBSD01

Tgt Ion: 76 Resp: 174111

Ion Ratio Lower Upper

76 100

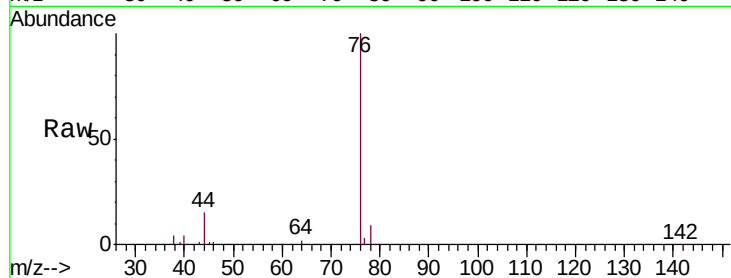
78 8.8 7.6 11.4

Manual Integrations

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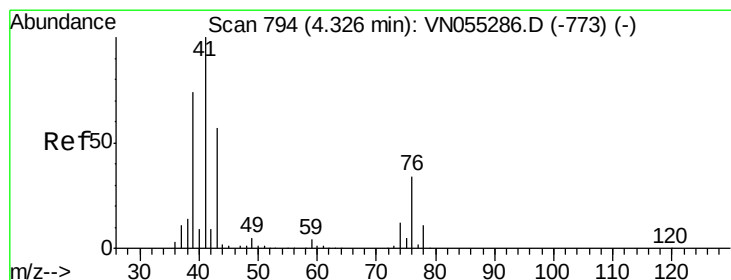
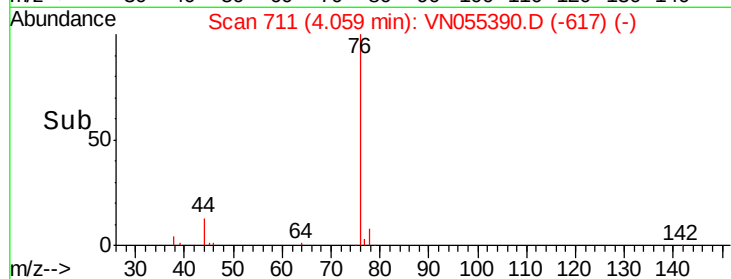
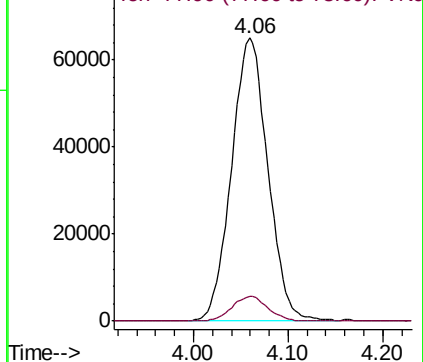
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 21.180 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN055390.D

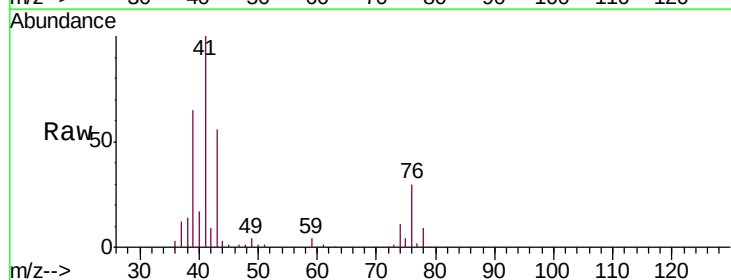
Acq: 3 May 2019 15:22

Tgt Ion: 43 Resp: 87383

Ion Ratio Lower Upper

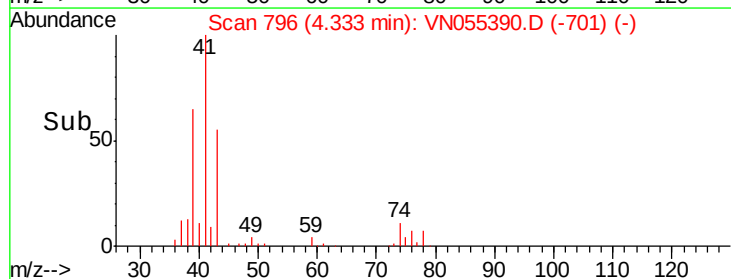
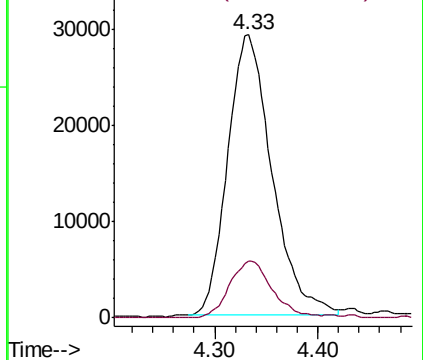
43 100

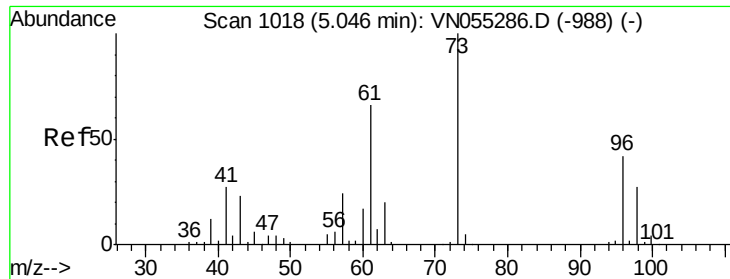
74 19.5 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





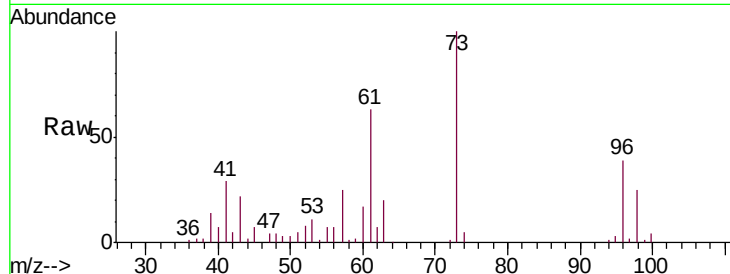
#19
Methyl tert-butyl Ether
Concen: 21.186 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampled :
VN0503WBSD01

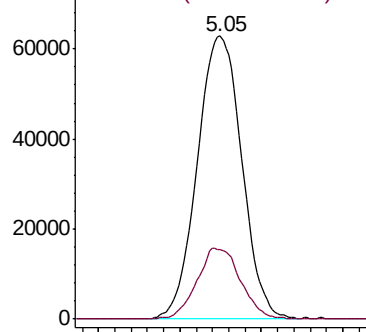
Tgt Ion: 73 Resp: 237751
Ion Ratio Lower Upper
73 100
57 24.6 19.1 28.7

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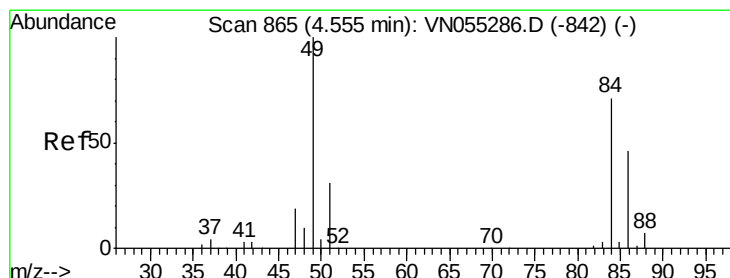
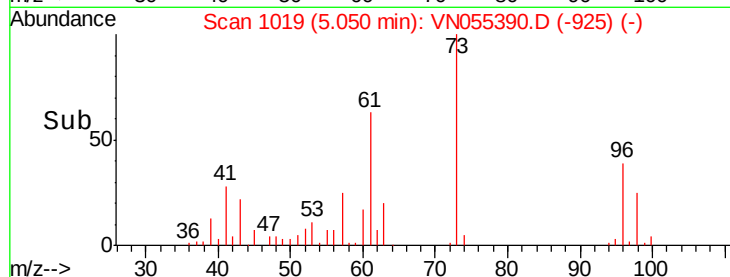
MMDadoda
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Abundance Ion 73.00 (72.70 to 73.70): VN055286.D (-988) (-)
Ion 57.00 (56.70 to 57.70): VN055286.D (-988) (-)



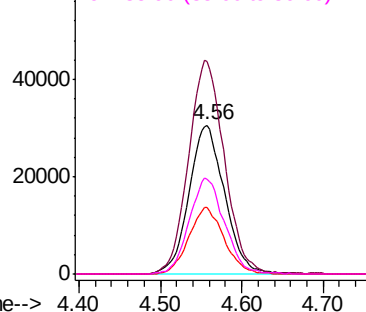
Time-->



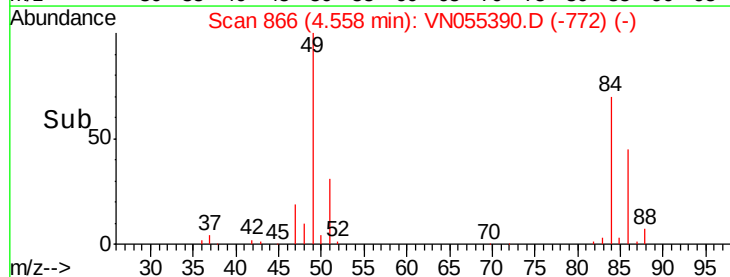
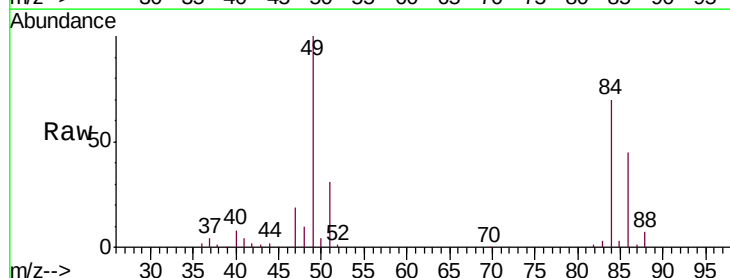
#20
Methylene Chloride
Concen: 18.502 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

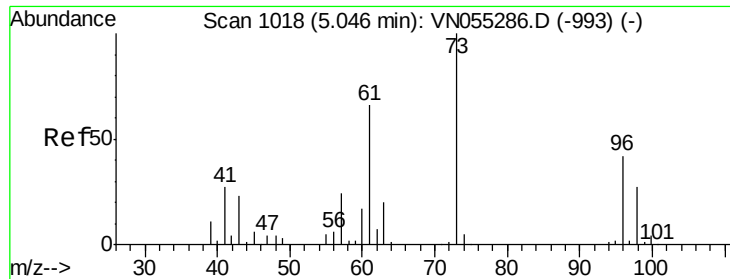
Tgt Ion: 84 Resp: 93025
Ion Ratio Lower Upper
84 100
49 142.9 112.4 168.6
51 44.5 34.6 51.8
86 63.8 51.9 77.9

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) (-)



Time-->





#21

trans-1,2-Dichloroethene

Concen: 19.576 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

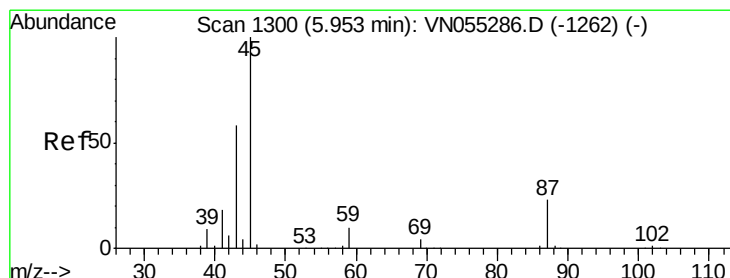
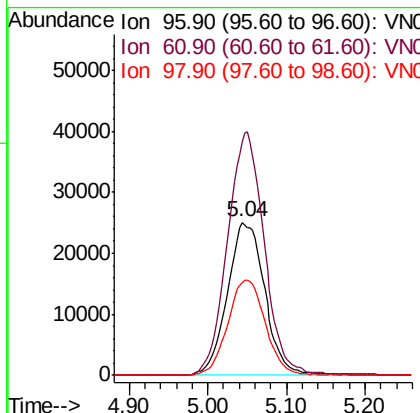
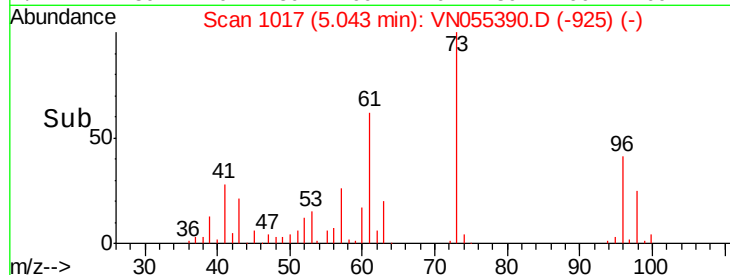
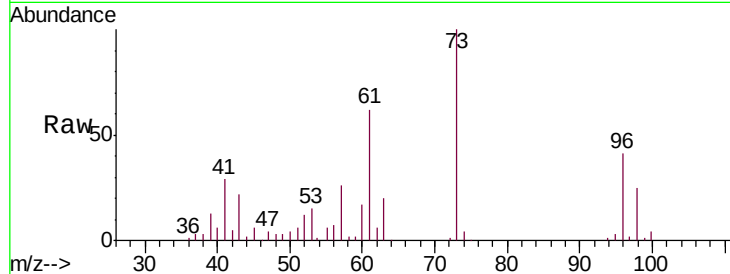
ClientSampled :

VN0503WBSD01

Tgt Ion:	96	Resp:	82759
Ion	Ratio	Lower	Upper
96	100		
61	152.2	126.2	189.4
98	60.7	52.2	78.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.021 ug/l

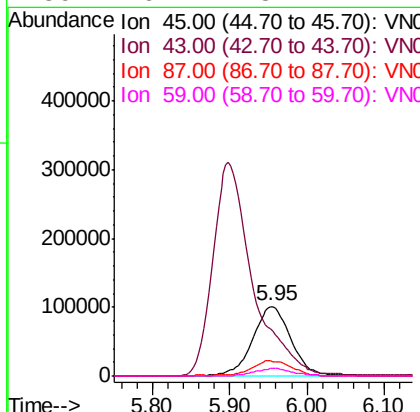
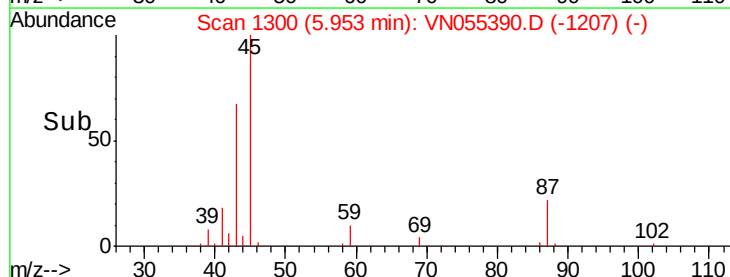
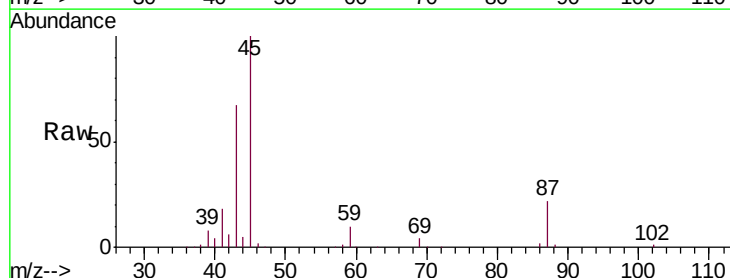
RT: 5.95 min Scan# 1300

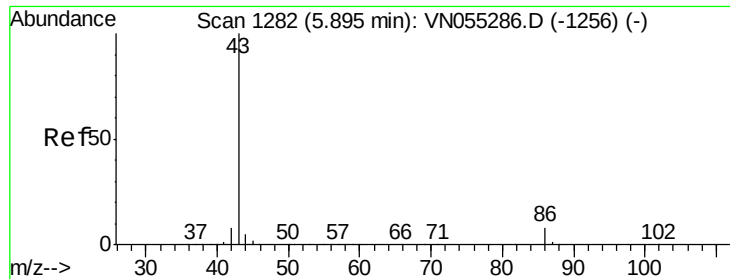
Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Tgt Ion:	45	Resp:	345307
Ion	Ratio	Lower	Upper
45	100		
43	64.2	46.6	70.0
87	21.3	18.1	27.1
59	10.2	8.2	12.2





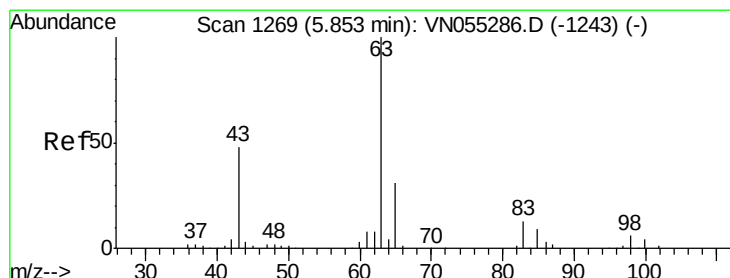
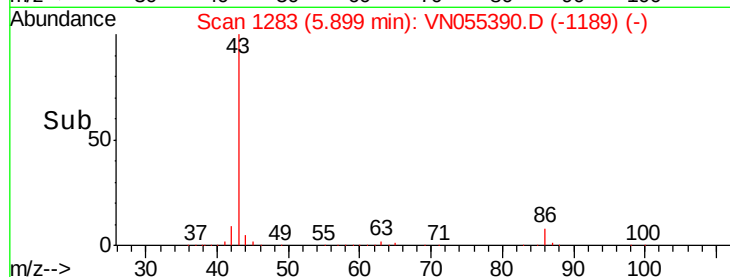
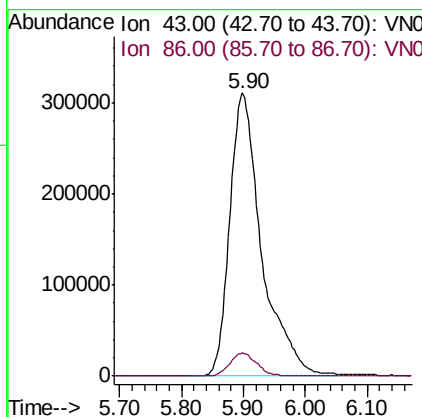
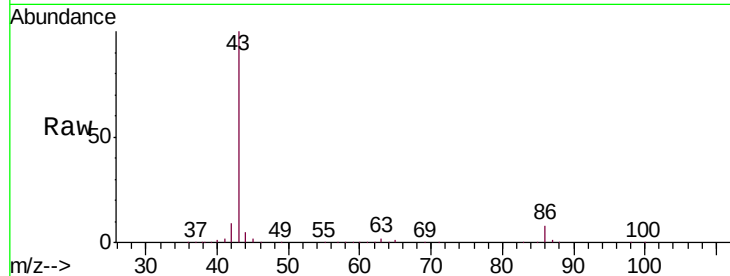
#23
 Vinyl Acetate
 Concen: 103.365 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0503WBSD01

Tgt Ion: 43 Resp: 1112815
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.6 10.0

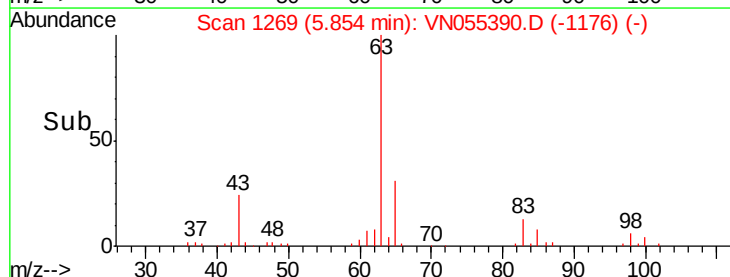
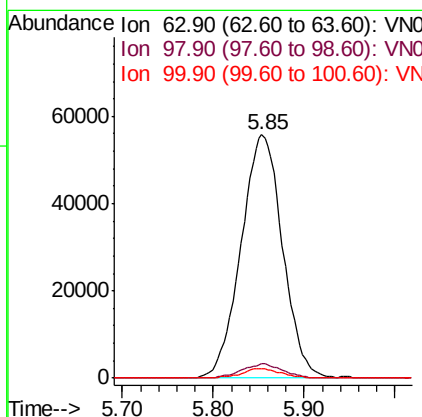
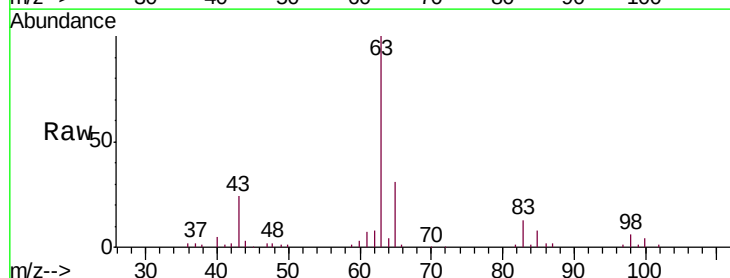
Manual Integrations
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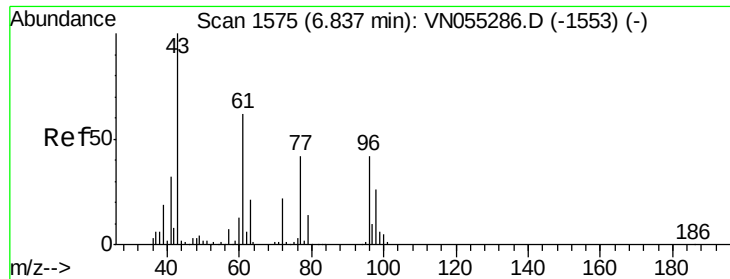
MMDadoda
 5/6/2019 10:47:26 AM



#24
 1,1-Dichloroethane
 Concen: 20.129 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Tgt Ion: 63 Resp: 176170
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.0
 100 3.9 1.8 5.4





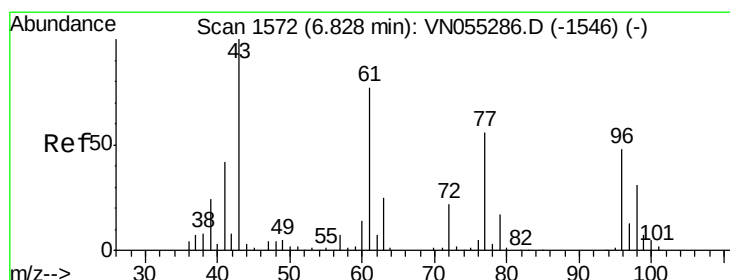
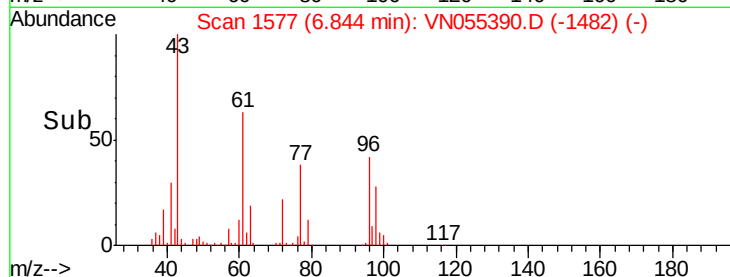
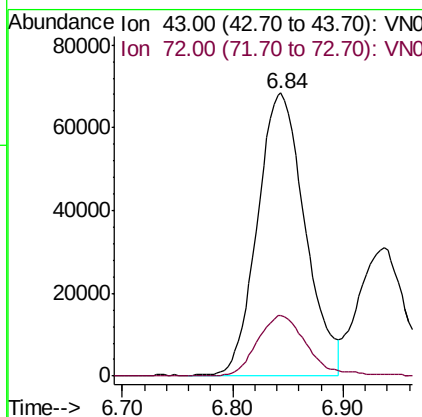
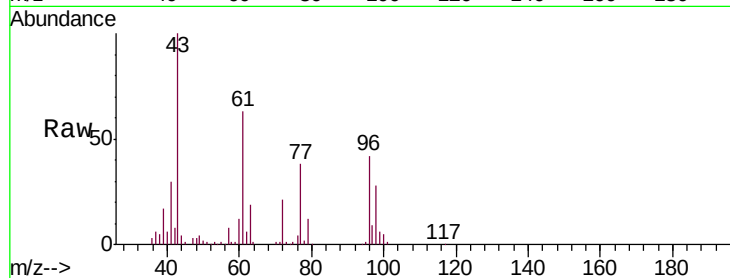
#25
2-Butanone
Concen: 96.579 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampled :
VN0503WBSD01

Tgt Ion: 43 Resp: 203450
Ion Ratio Lower Upper
43 100
72 21.5 18.0 27.0

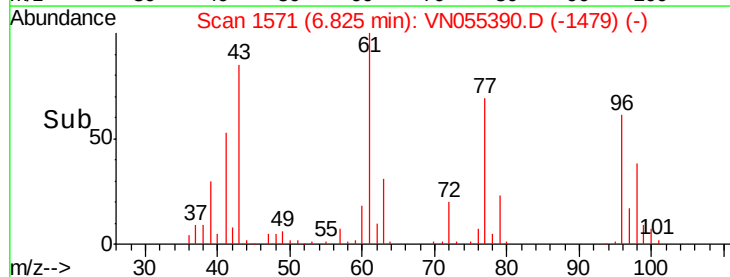
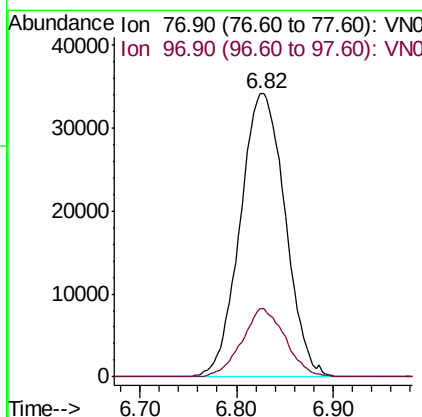
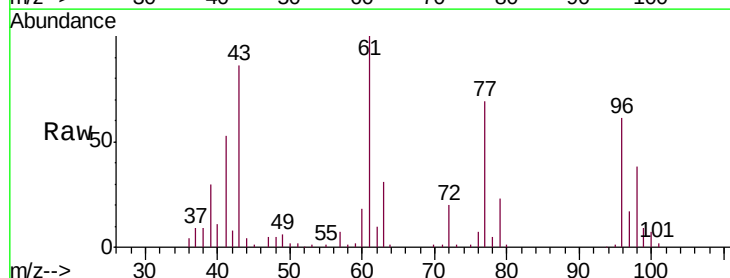
Manual Integrations
APPROVED

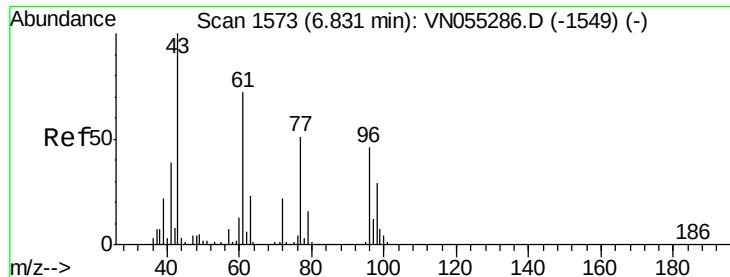
MMDadoda
5/6/2019 10:47:26 AM



#26
2,2-Dichloropropane
Concen: 18.246 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion: 77 Resp: 110276
Ion Ratio Lower Upper
77 100
97 23.2 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.547 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

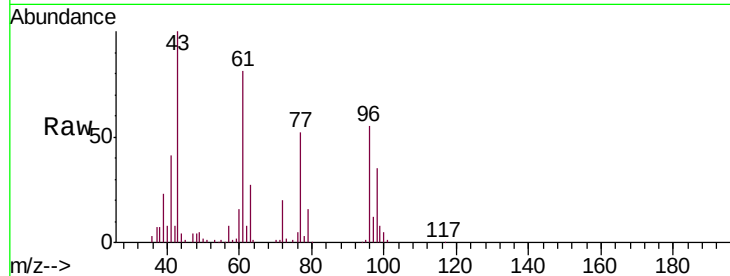
ClientSampleId :

VN0503WBSD01

Tgt Ion:	96	Resp:	98781
Ion	Ratio	Lower	Upper
96	100		
61	158.8	0.0	316.2
98	64.7	0.0	126.6

Manual Integrations
APPROVED

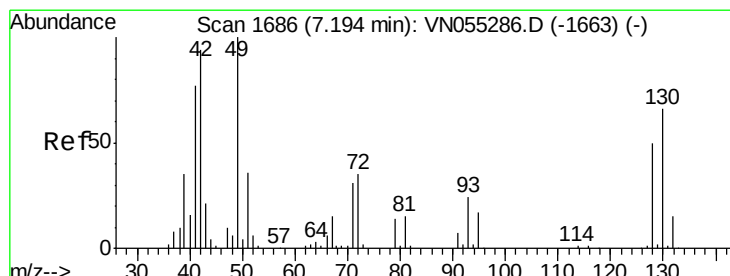
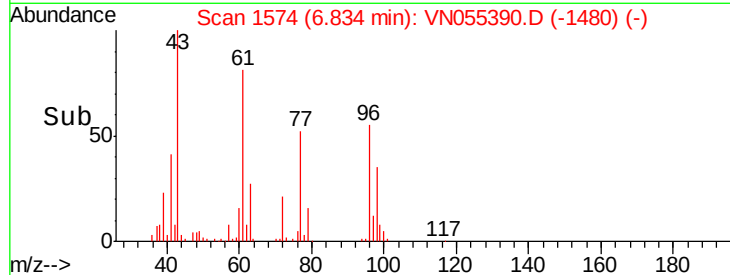
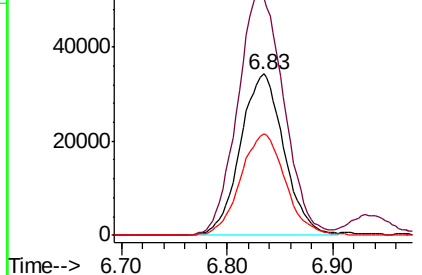
MMDadoda
5/6/2019 10:47:26 AM



Abundance Ion 95.90 (95.60 to 96.60): VN055390.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN055390.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN055390.D (-1480) (-)



#28

Bromochloromethane

Concen: 20.129 ug/l

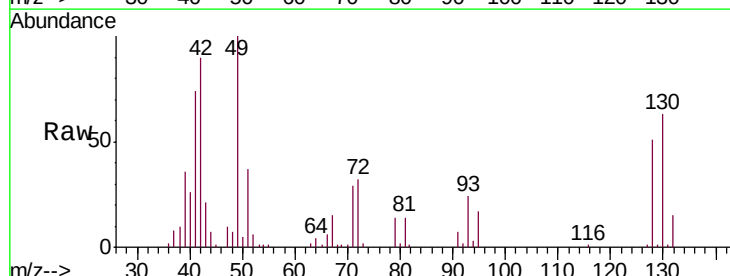
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

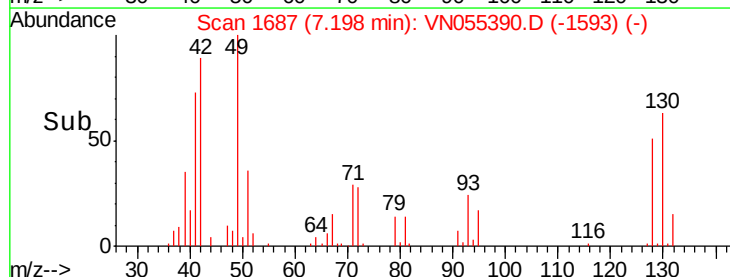
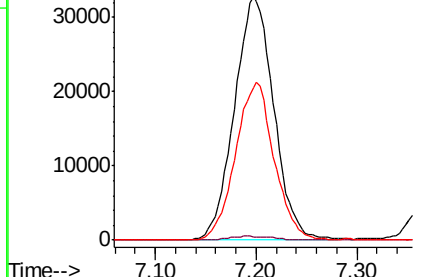
Tgt Ion:	49	Resp:	88801
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	2.4
130	63.3	52.0	78.0

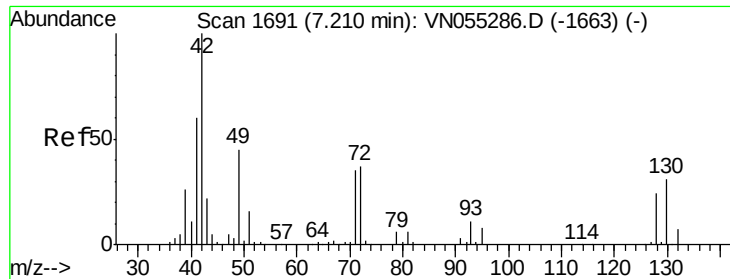


Abundance Ion 48.90 (48.60 to 49.60): VN055390.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN055390.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN055390.D (-1593) (-)





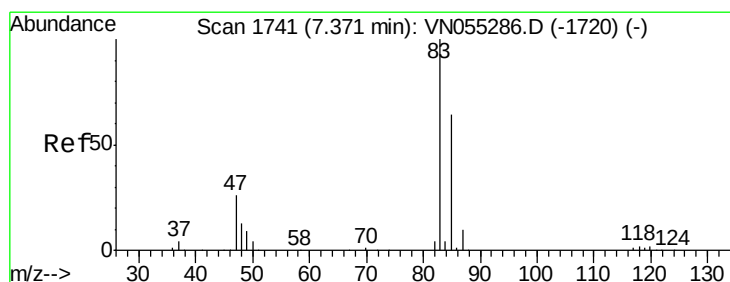
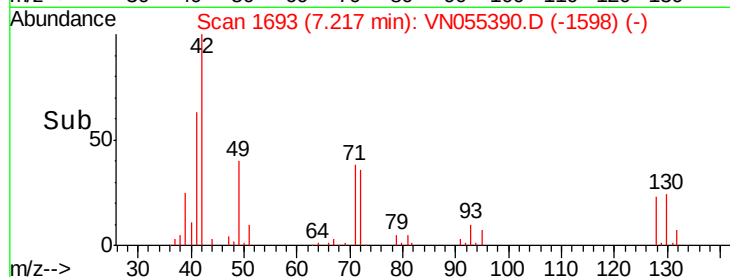
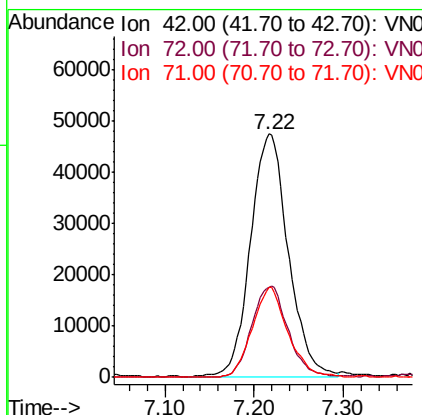
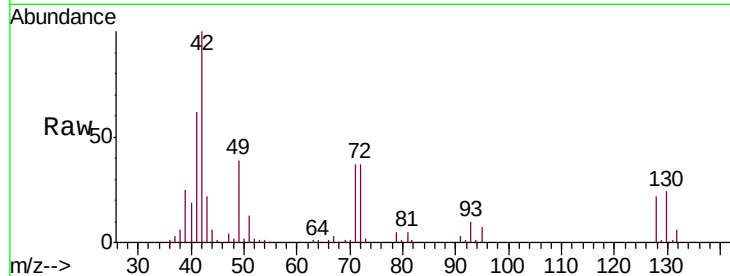
#29
Tetrahydrofuran
Concen: 104.655 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.9	29.0	43.6
71	34.8	27.1	40.7

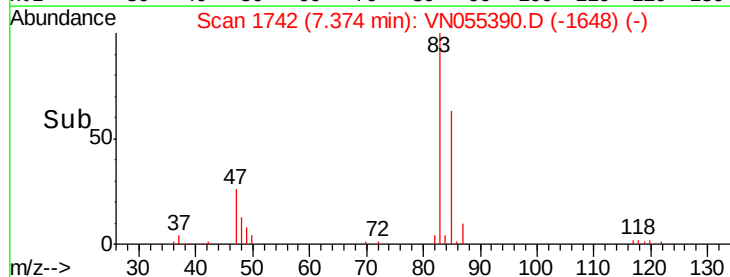
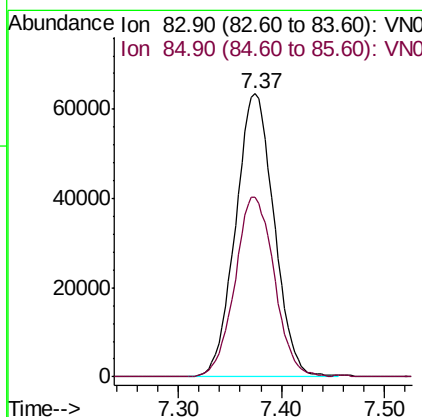
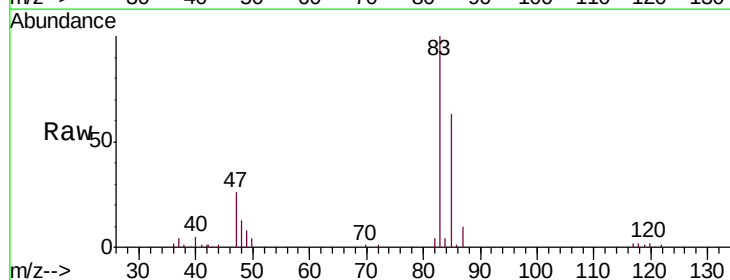
Manual Integrations
APPROVED

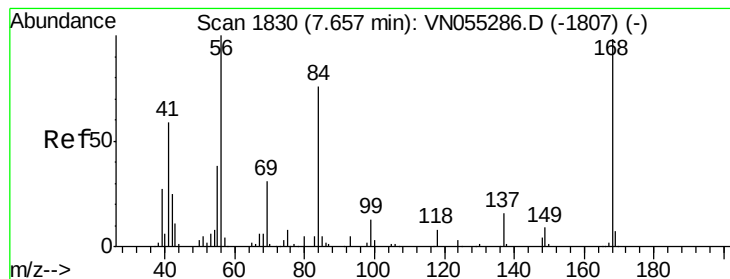
MMDadoda
5/6/2019 10:47:26 AM



#30
Chloroform
Concen: 19.860 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.2





#31

Cyclohexane

Concen: 19.007 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampled :

VN0503WBSD01

Tgt Ion: 56 Resp: 158052

Ion Ratio Lower Upper

56 100

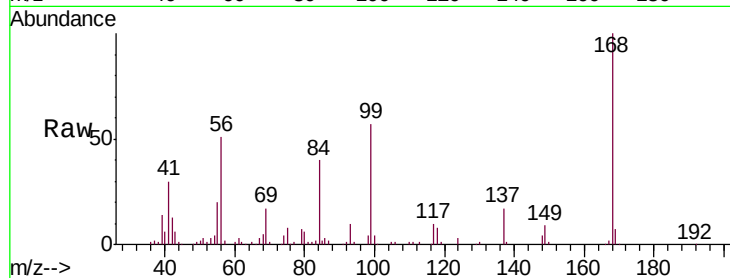
69 33.9 25.2 37.8

84 78.9 61.1 91.7

Manual Integrations
APPROVED

MMDadoda

5/6/2019 10:47:26 AM

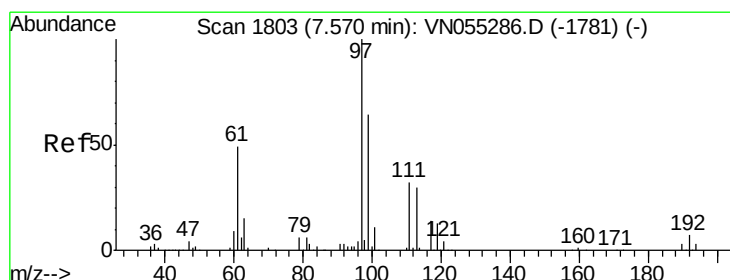
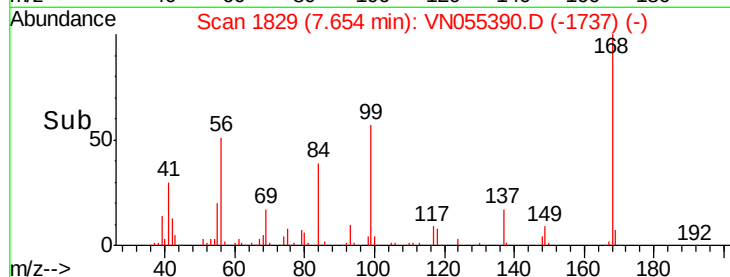
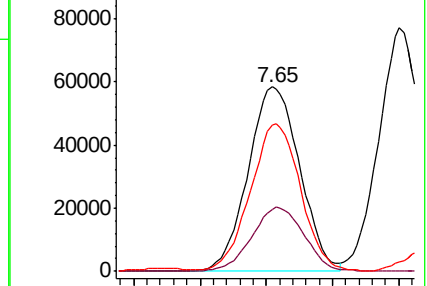


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.724 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

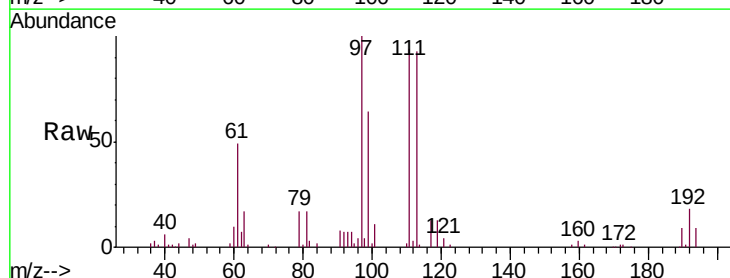
Tgt Ion: 97 Resp: 132813

Ion Ratio Lower Upper

97 100

99 63.9 51.8 77.8

61 48.4 39.0 58.6

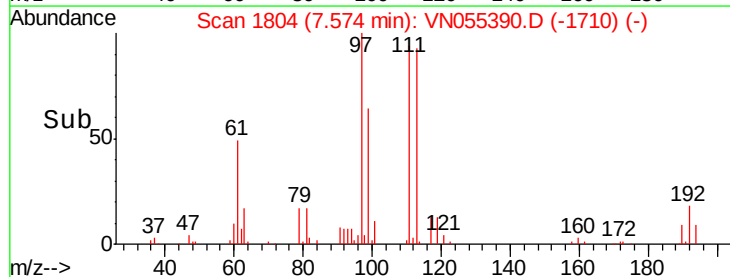
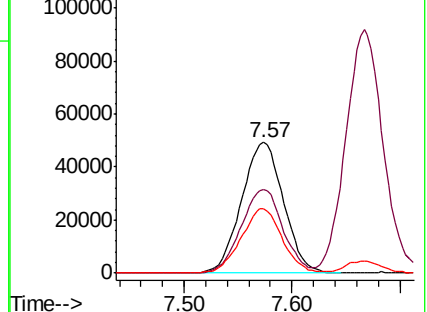


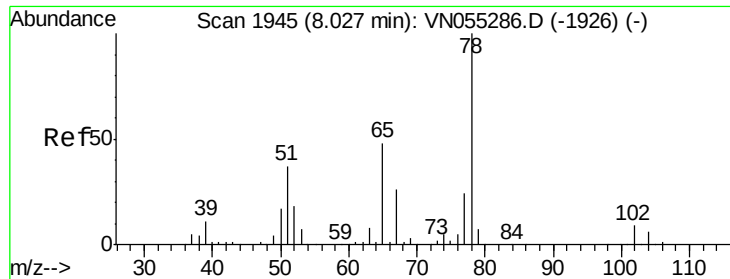
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





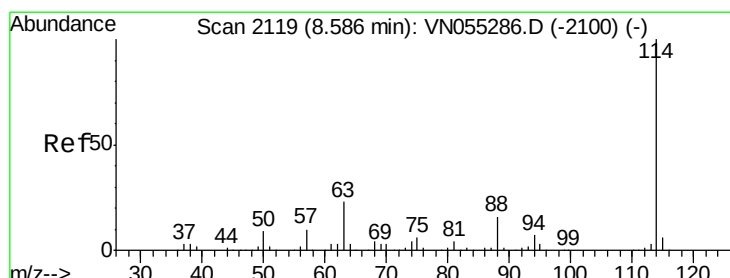
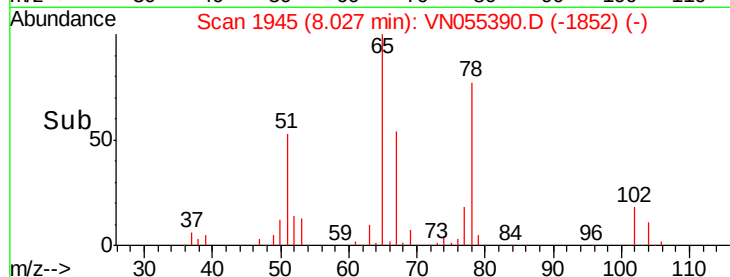
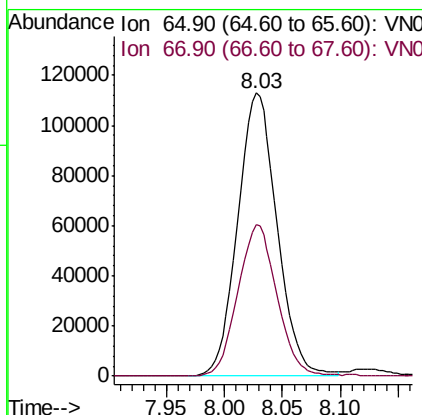
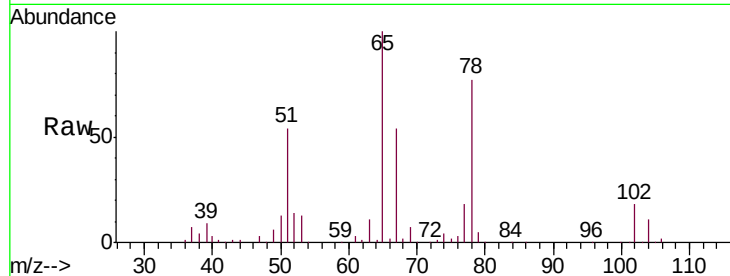
#33
 1,2-Dichloroethane-d4
 Concen: 50.515 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503WBSD01

Tgt Ion: 65 Resp: 267047
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.8

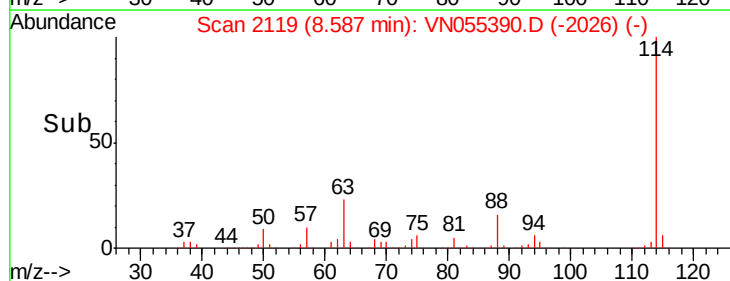
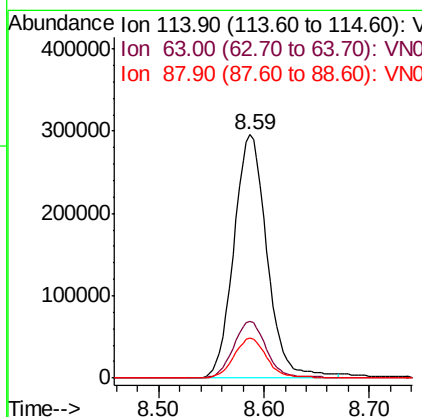
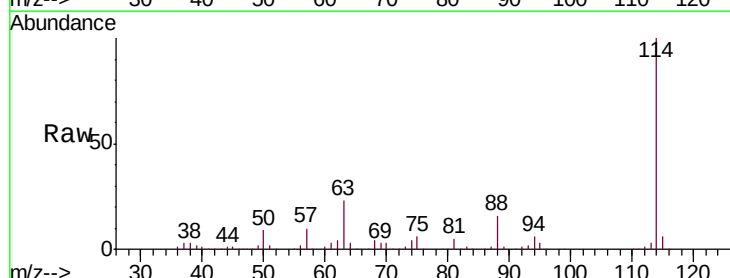
Manual Integrations
 APPROVED

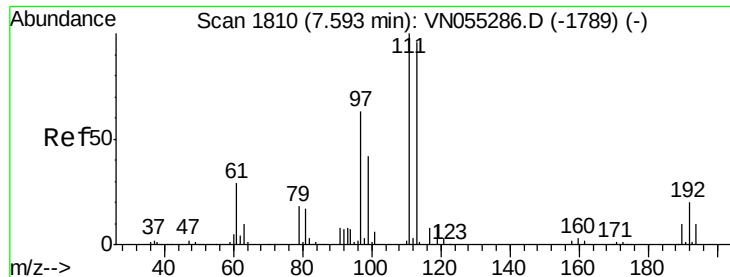
MMDadoda
 5/6/2019 10:47:26 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Tgt Ion: 114 Resp: 646533
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 45.2
 88 16.2 0.0 31.6





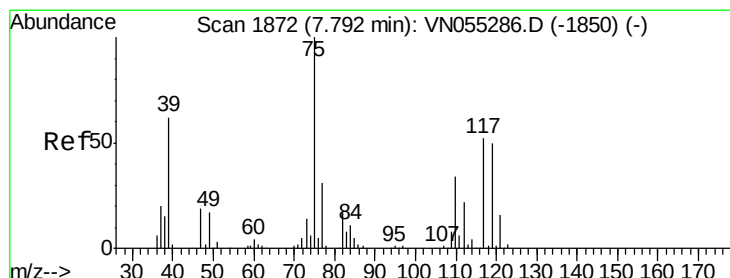
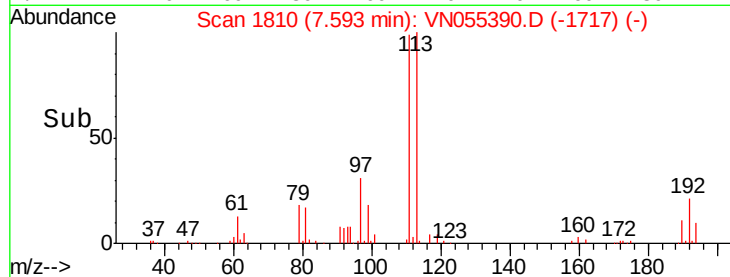
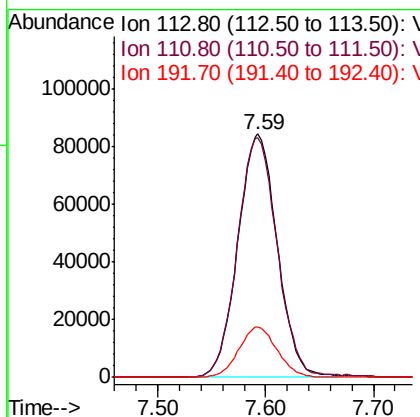
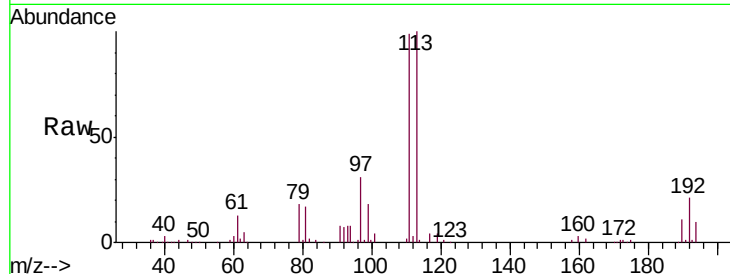
#35
 Dibromofluoromethane
 Concen: 50.417 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0503WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	213950		
111	100.3	82.3	123.5	
192	20.0	17.0	25.6	

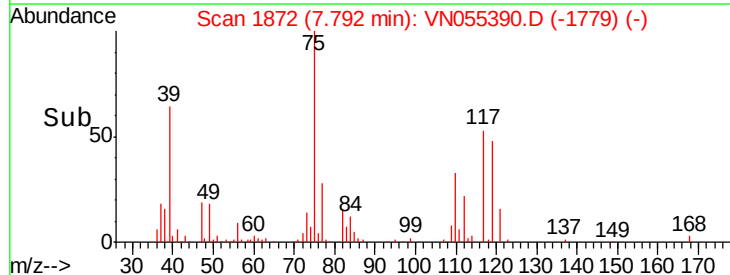
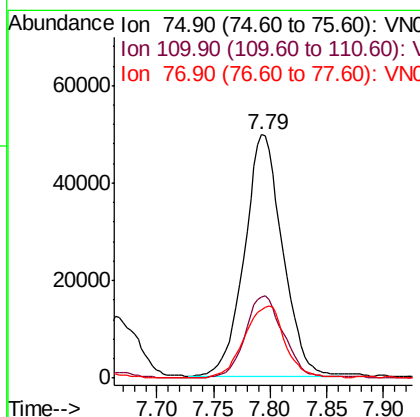
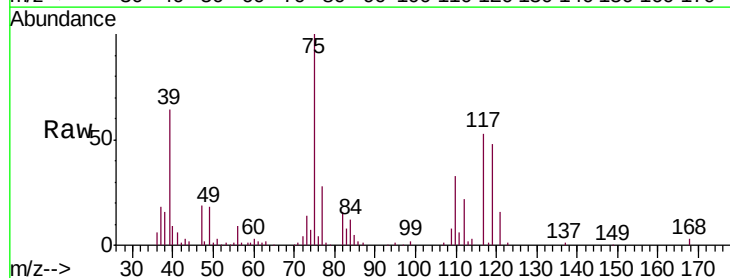
Manual Integrations
 APPROVED

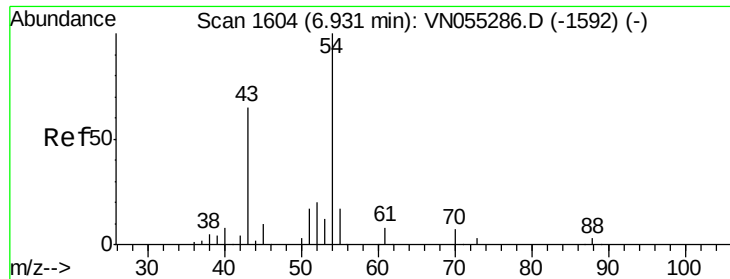
MMDadoda
 5/6/2019 10:47:26 AM



#36
 1,1-Dichloropropene
 Concen: 18.739 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	116046		
110	34.1	16.8	50.4	
77	32.0	25.0	37.6	





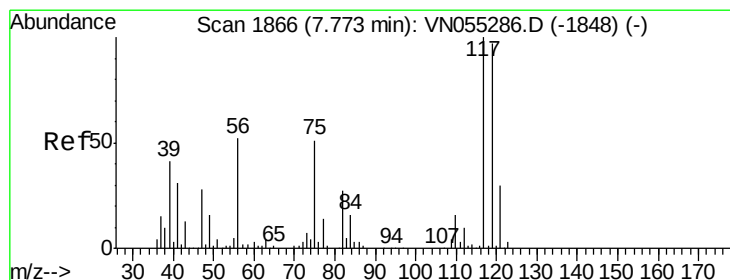
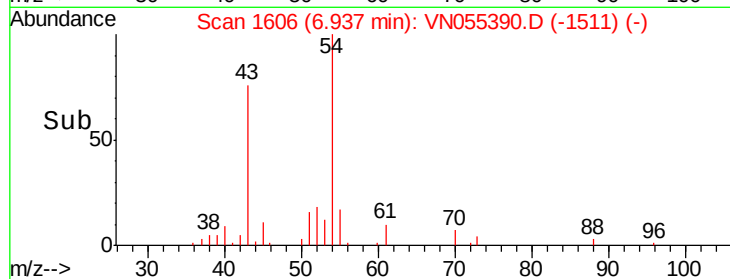
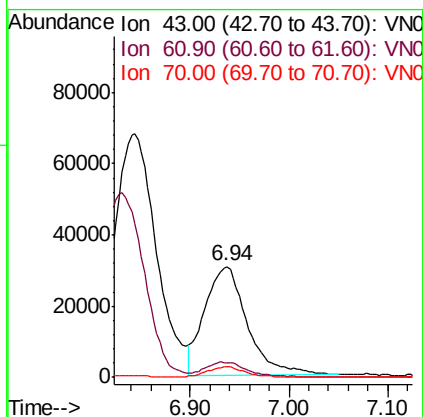
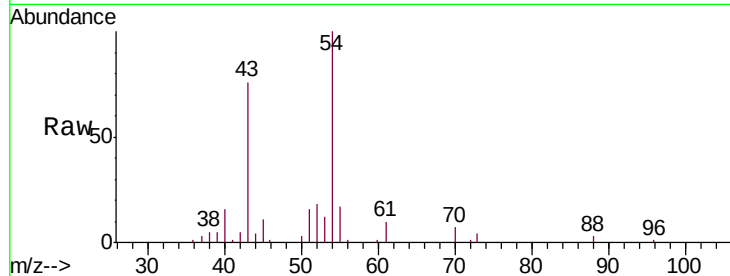
#37
Ethyl Acetate
Concen: 19.347 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.4	15.6
70	8.6	6.6	10.0

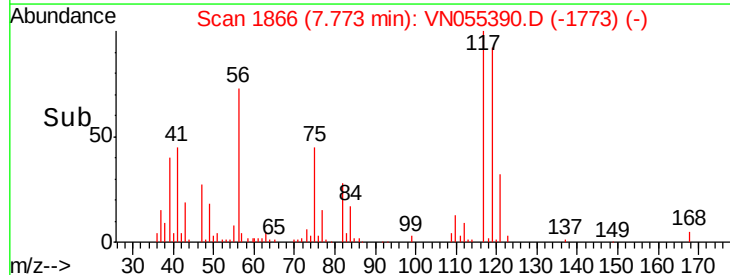
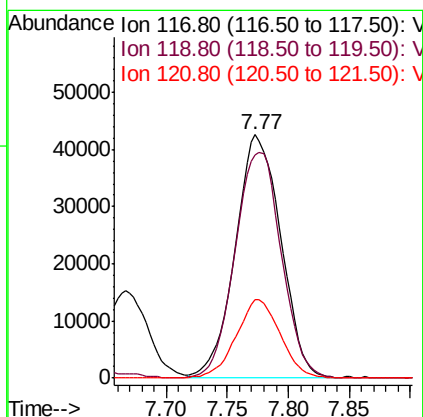
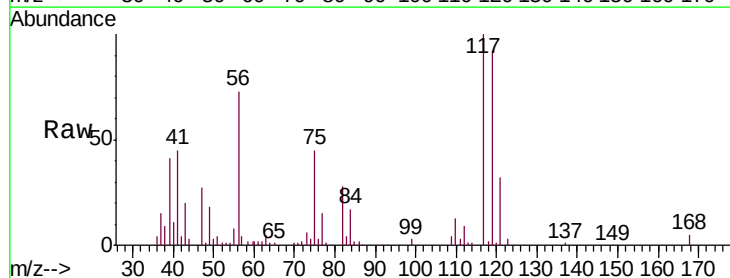
Manual Integrations
APPROVED

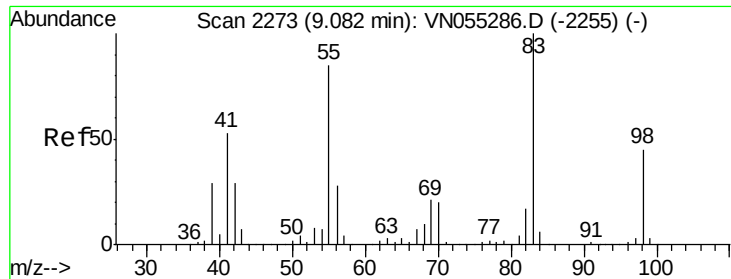
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5/6/2019 10:47:26 AM



#38
Carbon Tetrachloride
Concen: 18.297 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.2	77.0	115.6
121	32.1	23.8	35.8





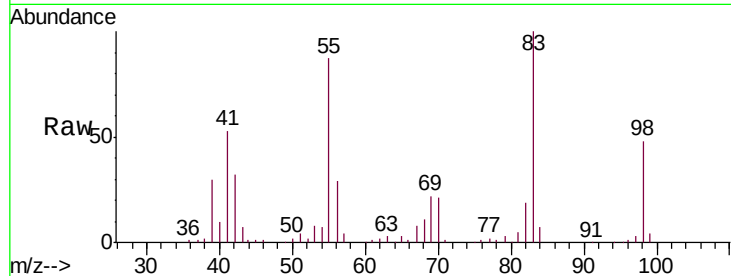
#39
Methylcyclohexane
Concen: 18.837 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampled :
VN0503WBSD01

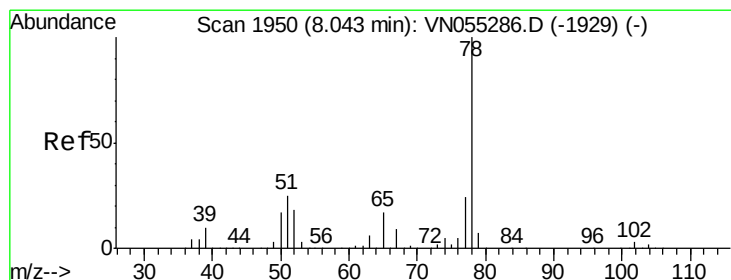
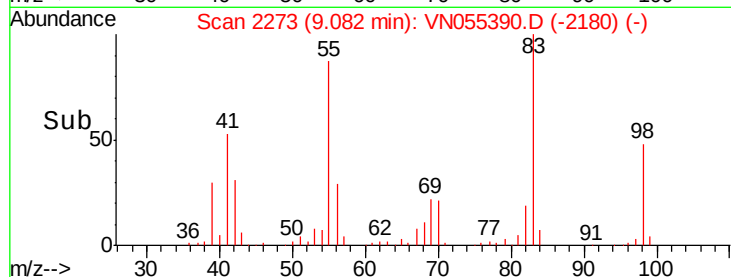
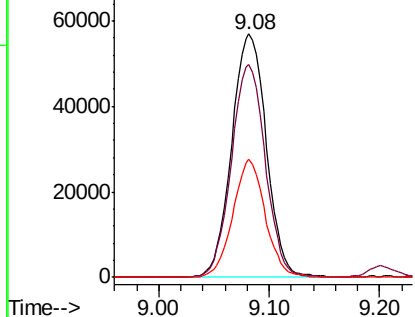
Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.3	67.8	101.6
98	48.4	36.2	54.4

Manual Integrations
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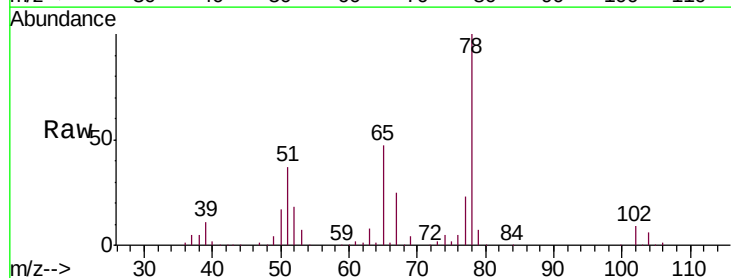


Abundance Ion 83.00 (82.70 to 83.70): VN055286.D (-2255) (-)
Ion 55.00 (54.70 to 55.70): VN055286.D (-2255) (-)
Ion 98.00 (97.70 to 98.70): VN055286.D (-2255) (-)

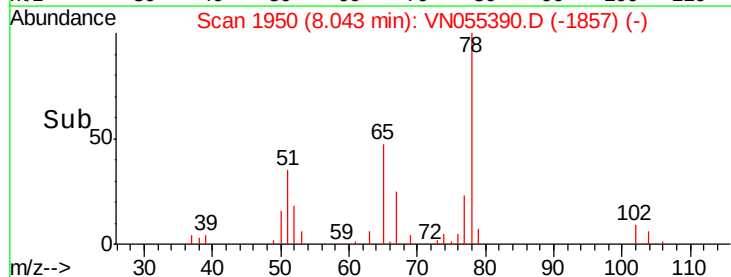
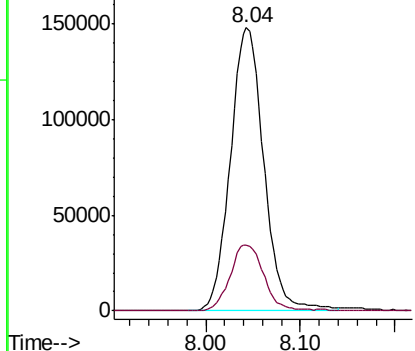


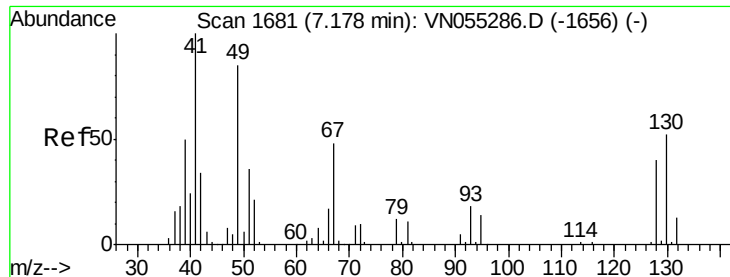
#40
Benzene
Concen: 19.887 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6



Abundance Ion 78.00 (77.70 to 78.70): VN055286.D (-1929) (-)
Ion 77.00 (76.70 to 77.70): VN055286.D (-1929) (-)





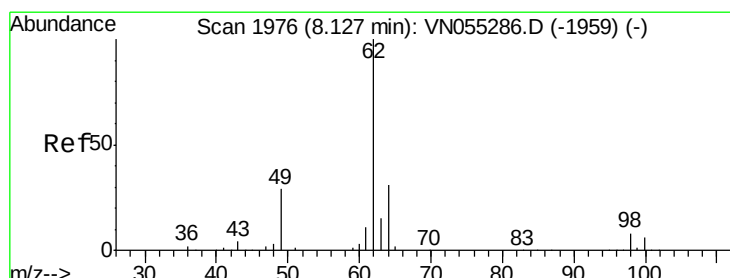
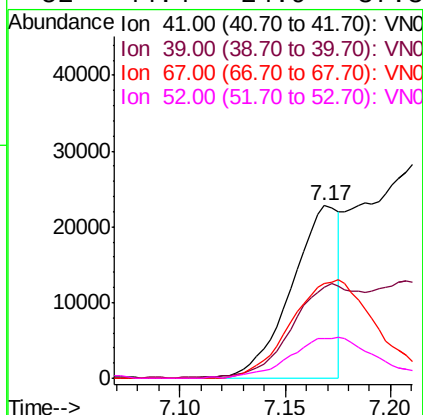
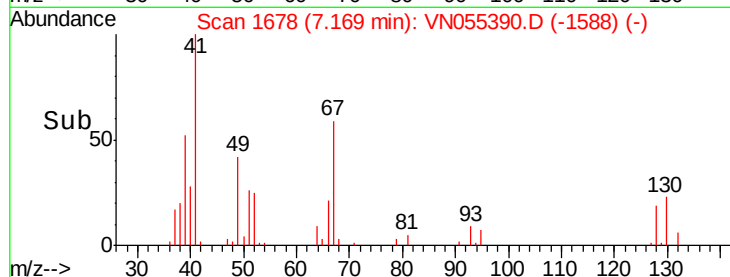
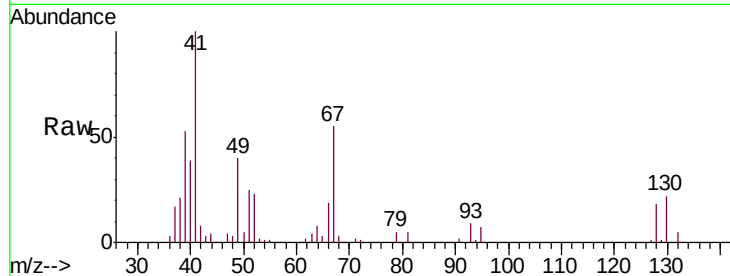
#41
Methacrylonitrile
Concen: 14.353 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampled :
VN0503WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	80.4	48.5	72.7#
67	104.3	54.9	82.3#
52	44.4	24.9	37.3#

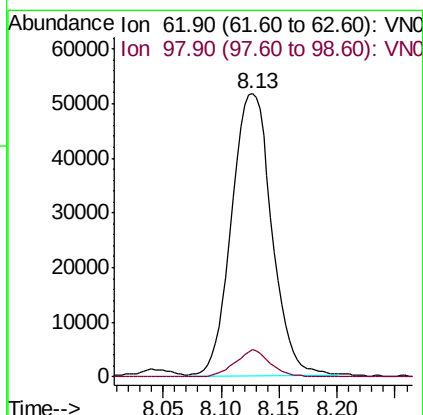
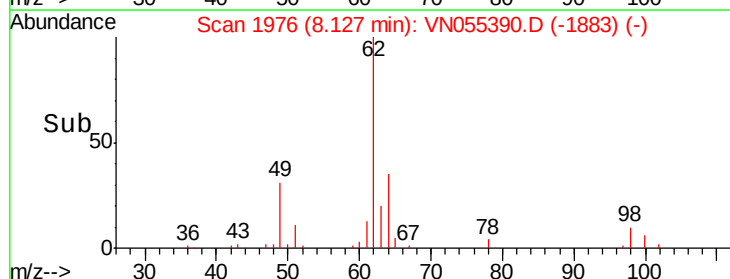
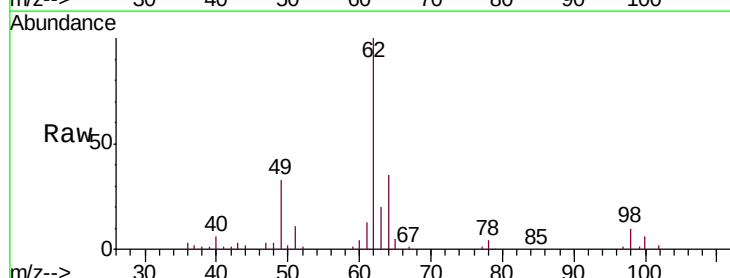
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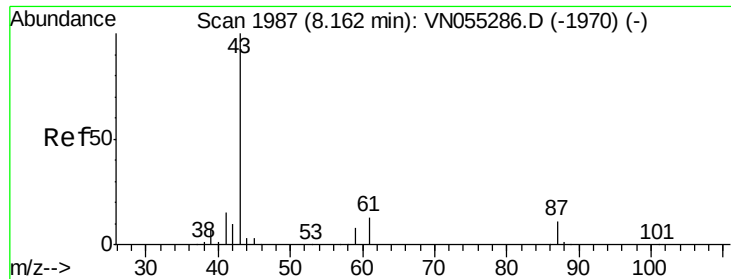
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#42
1,2-Dichloroethane
Concen: 19.120 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4





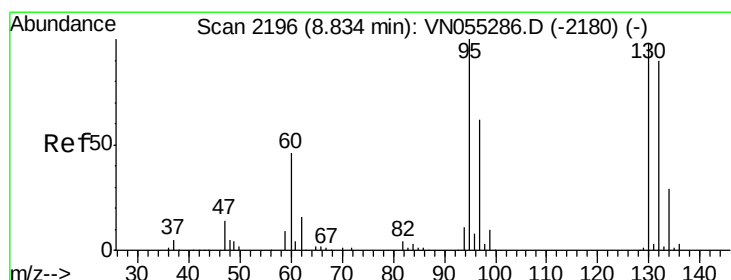
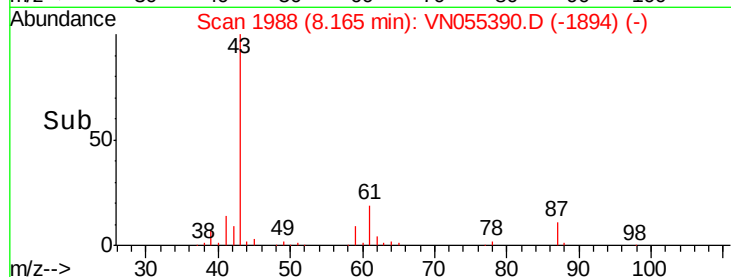
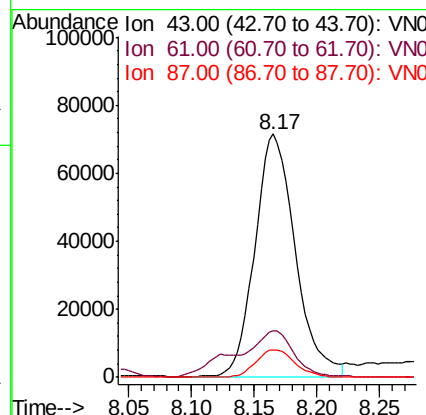
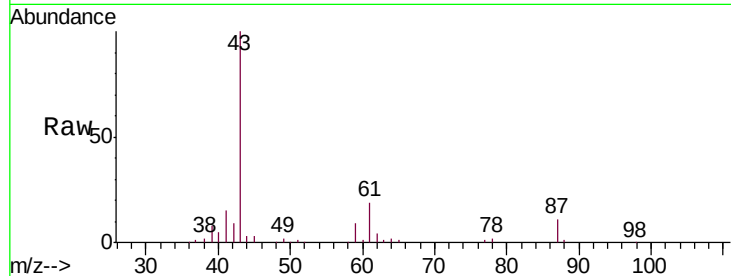
#43
Isopropyl Acetate
Concen: 21.031 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.4	20.8	31.2#
87	11.0	8.5	12.7

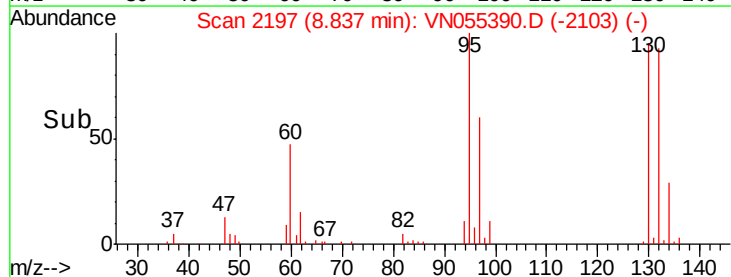
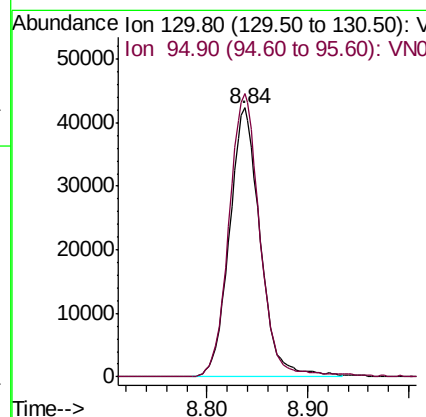
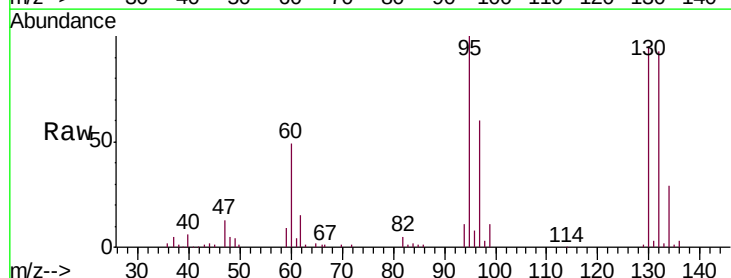
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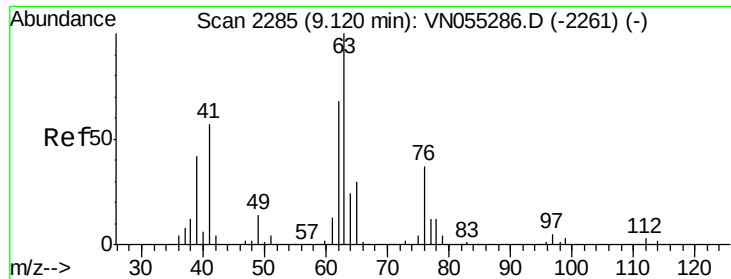
MMDadoda
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#44
Trichloroethene
Concen: 19.417 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	203.4





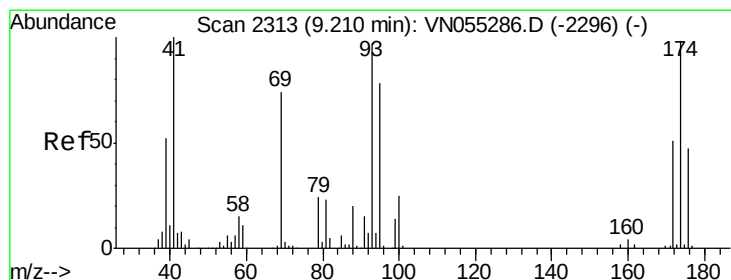
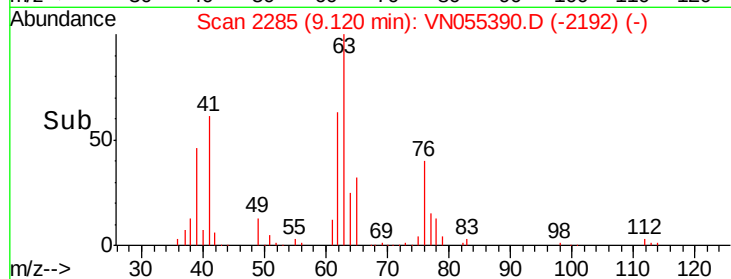
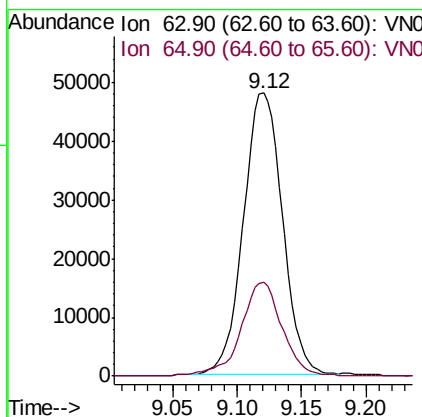
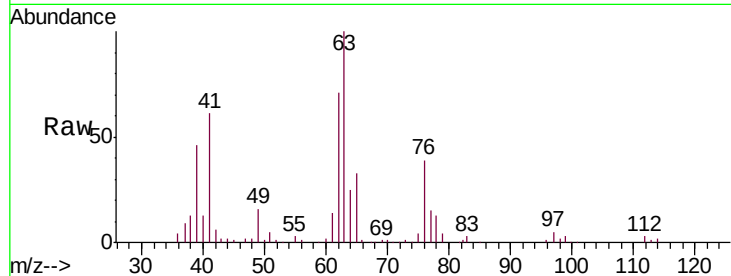
#45
 1,2-Dichloropropane
 Concen: 19.315 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0503WBSD01

Tgt Ion: 63 Resp: 101698
 Ion Ratio Lower Upper
 63 100
 65 32.8 23.9 35.9

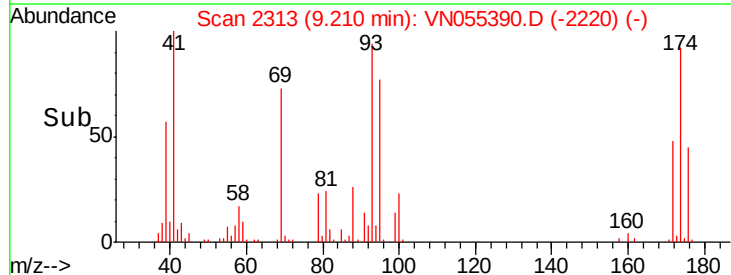
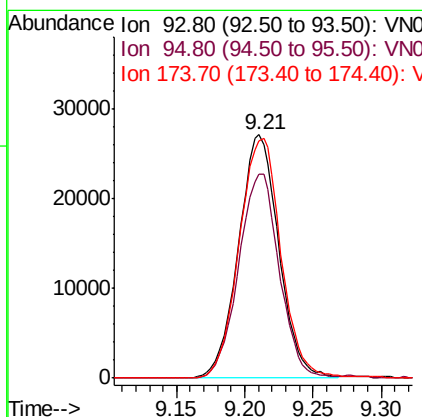
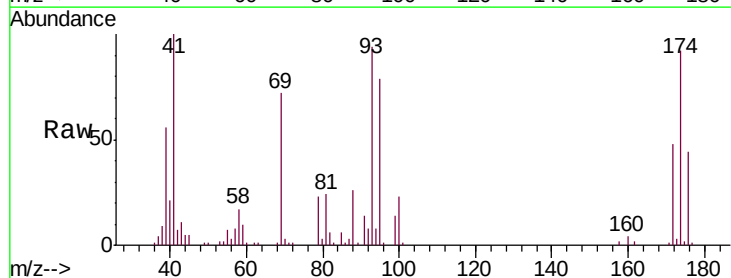
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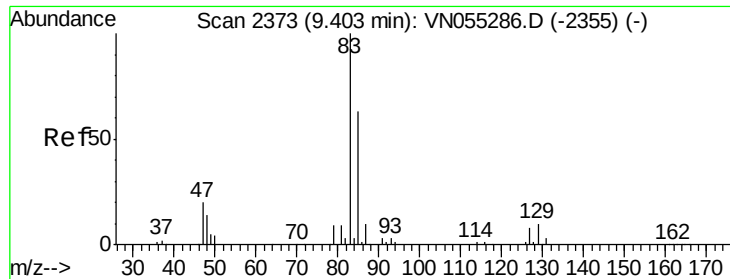
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#46
 Dibromomethane
 Concen: 19.393 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Tgt Ion: 93 Resp: 55814
 Ion Ratio Lower Upper
 93 100
 95 84.5 65.7 98.5
 174 101.8 81.5 122.3





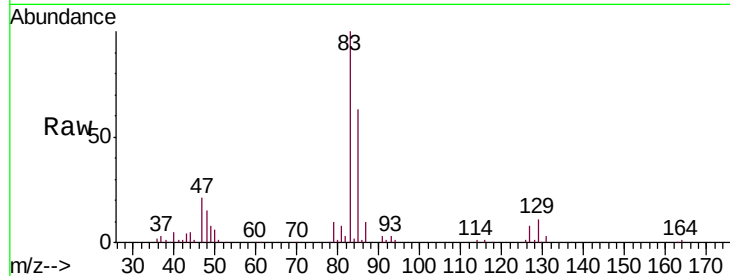
#47
Bromodichloromethane
Concen: 19.838 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBSD01

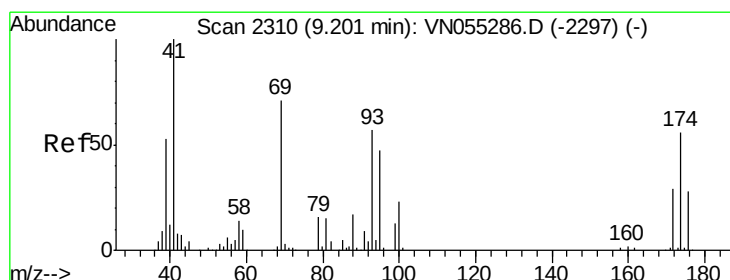
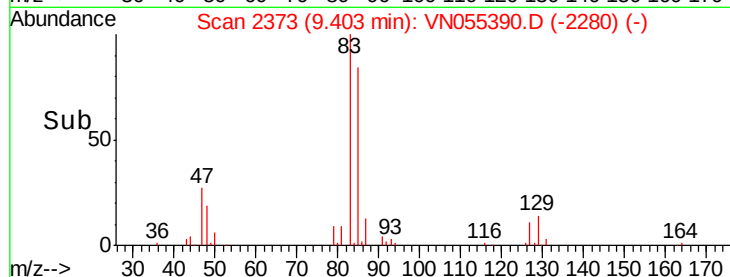
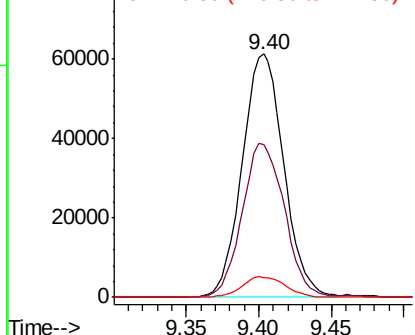
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	122486		
85	62.9	50.1	75.1	
127	8.1	6.7	10.1	

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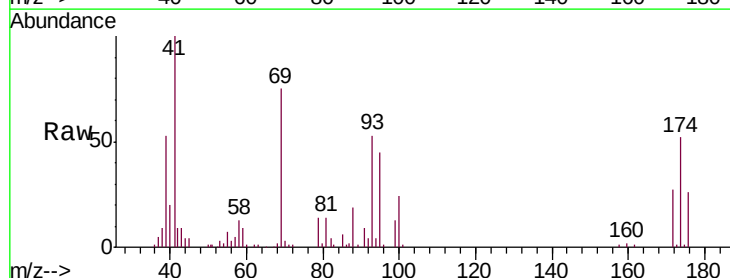


Abundance Ion 82.90 (82.60 to 83.60): VN055390.D (-2280) (-)
Ion 84.90 (84.60 to 85.60): VN055390.D (-2280) (-)
Ion 126.80 (126.50 to 127.50): VN055390.D (-2280) (-)

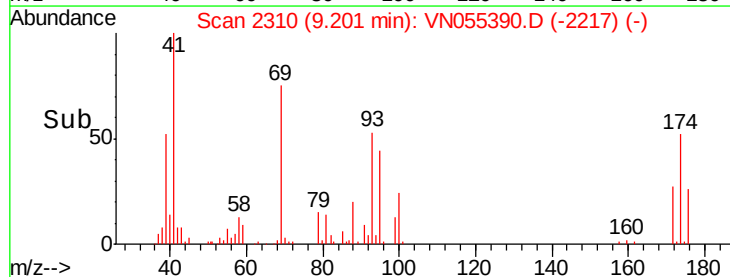
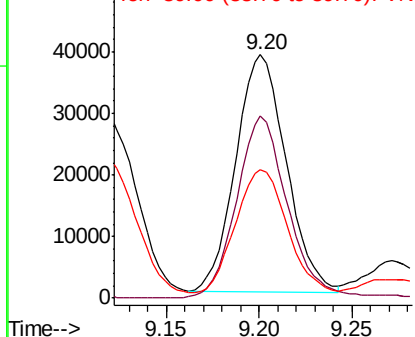


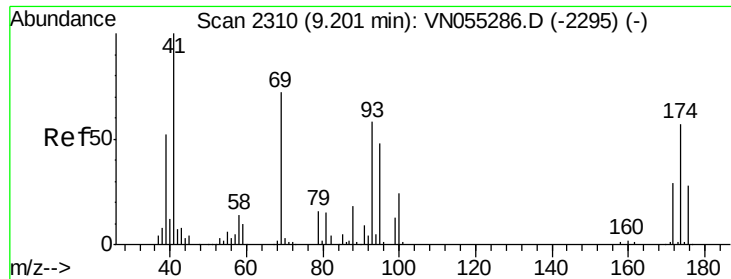
#48
Methyl methacrylate
Concen: 19.416 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	72806		
69	77.6	58.6	87.8	
39	56.7	43.8	65.6	



Abundance Ion 41.00 (40.70 to 41.70): VN055390.D (-2217) (-)
Ion 69.00 (68.70 to 69.70): VN055390.D (-2217) (-)
Ion 39.00 (38.70 to 39.70): VN055390.D (-2217) (-)





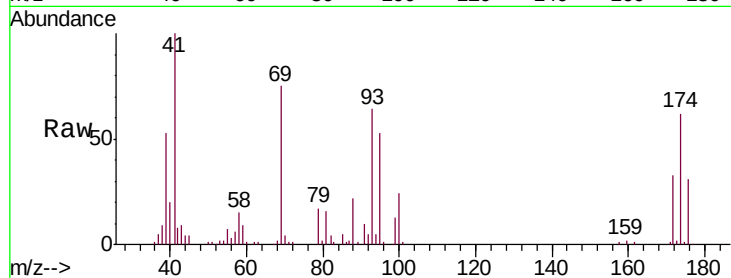
#49
1,4-Dioxane
Concen: 437.905 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBSD01

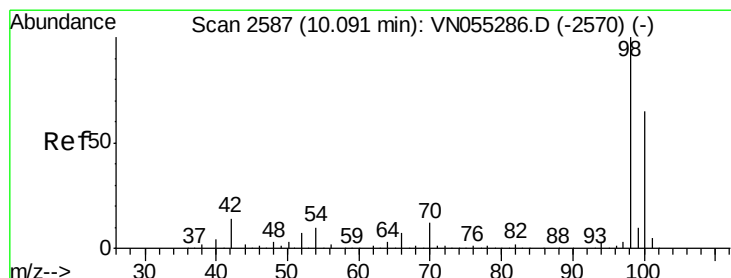
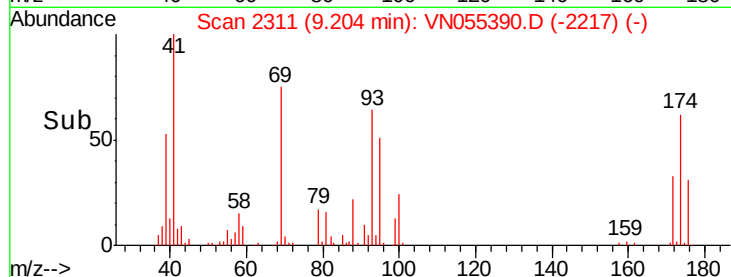
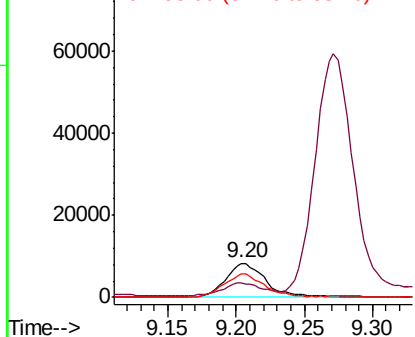
Tgt Ion	Ratio	Lower	Upper
88	100		
43	37.8	33.3	49.9
58	69.1	62.7	94.1

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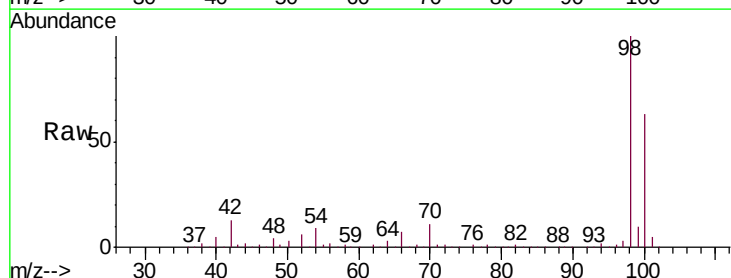


Abundance Ion 88.00 (87.70 to 88.70): VN055390.D (-2217) (-)
Ion 43.00 (42.70 to 43.70): VN055390.D (-2217) (-)
Ion 58.00 (57.70 to 58.70): VN055390.D (-2217) (-)

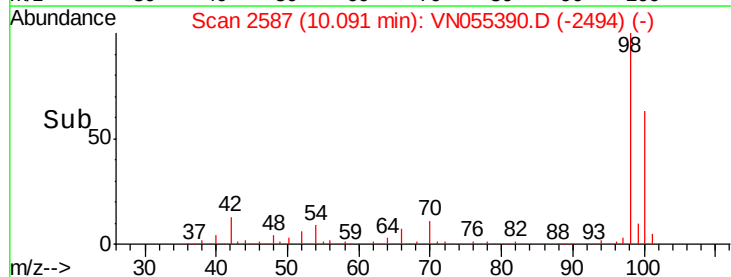
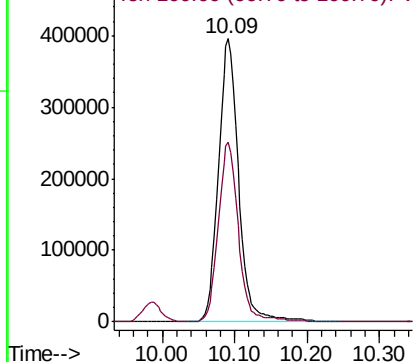


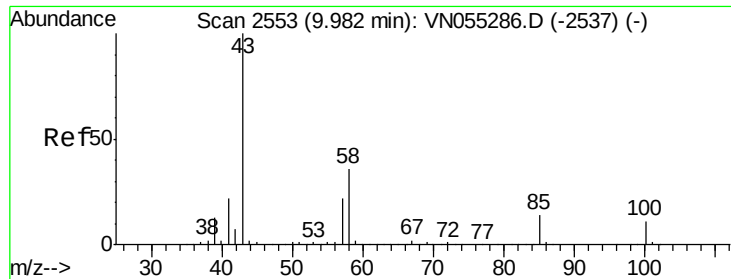
#50
Toluene-d8
Concen: 49.787 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055390.D (-2494) (-)
Ion 100.00 (99.70 to 100.70): VN055390.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 102.741 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampled :

VN0503WBSD01

Tgt Ion: 43 Resp: 441212

Ion Ratio Lower Upper

43 100

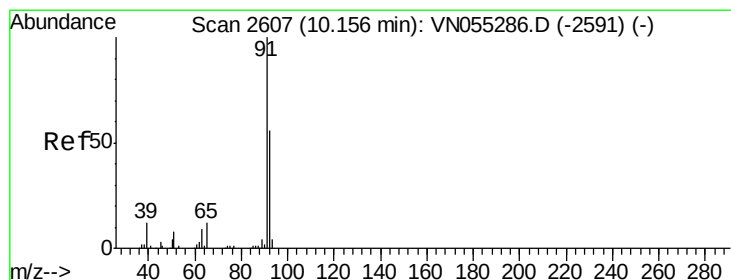
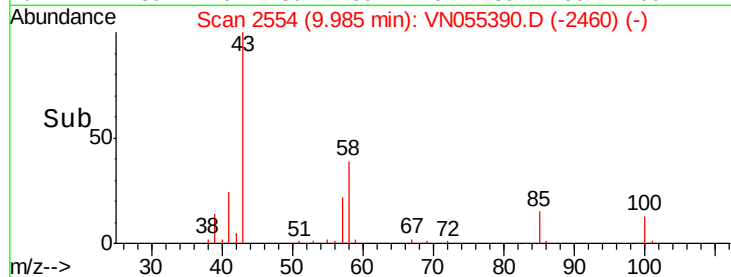
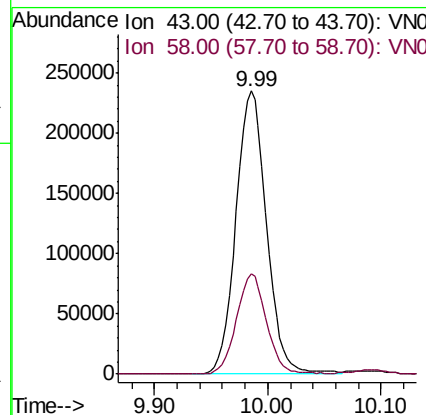
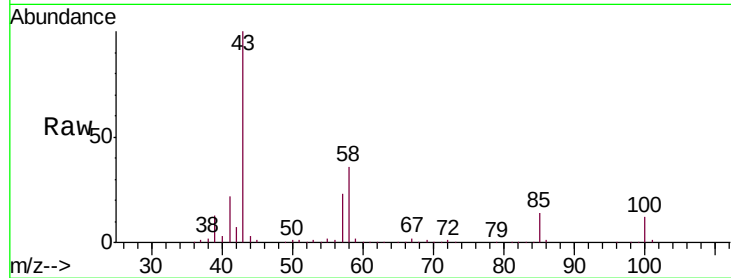
58 34.8 28.5 42.7

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#52

Toluene

Concen: 19.942 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055390.D

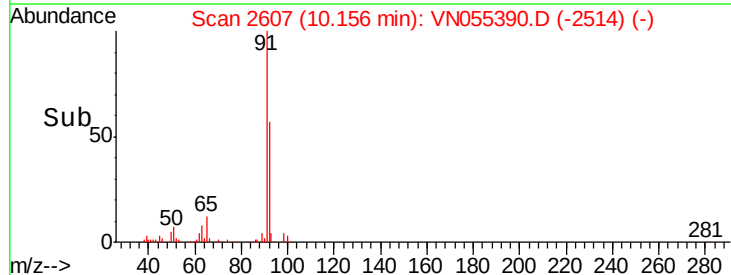
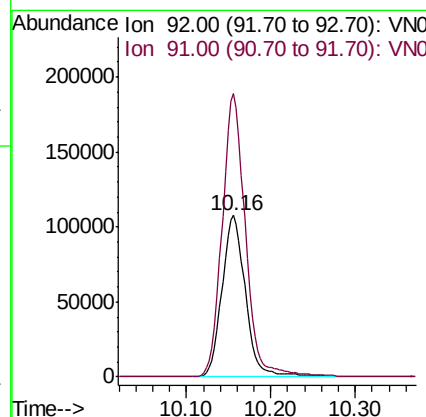
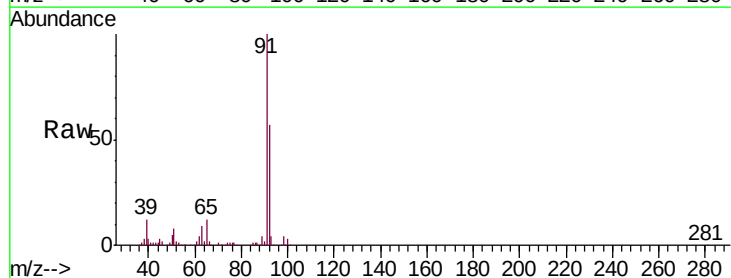
Acq: 3 May 2019 15:22

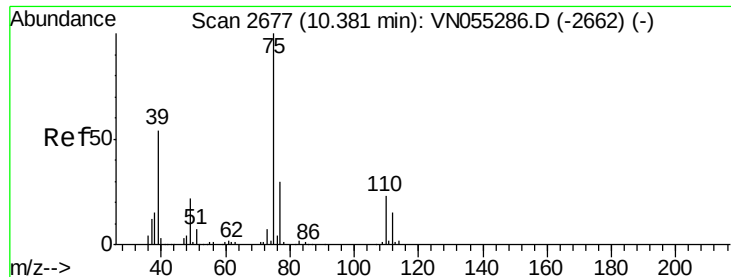
Tgt Ion: 92 Resp: 208890

Ion Ratio Lower Upper

92 100

91 174.2 140.1 210.1





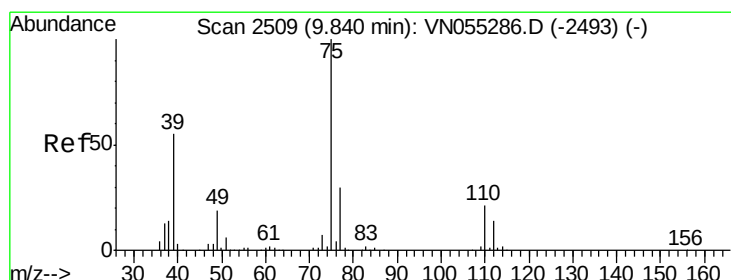
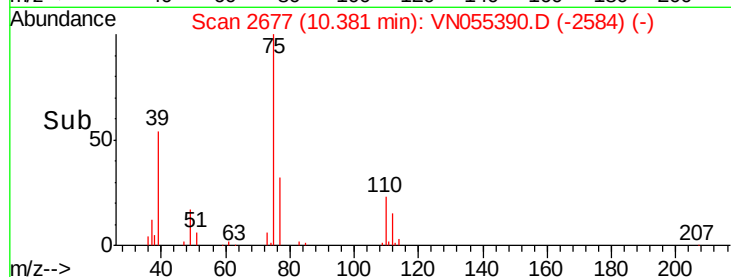
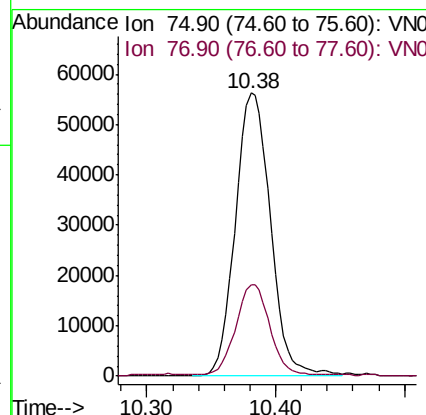
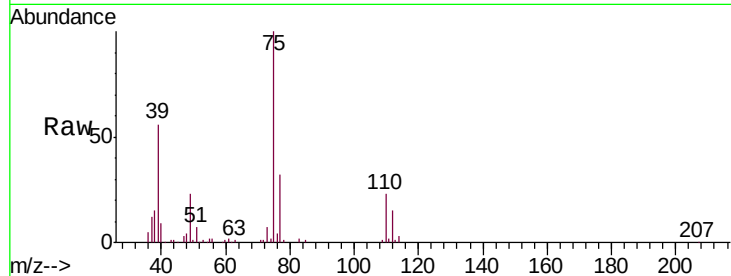
#53
t-1,3-Dichloropropene
Concen: 19.937 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBSD01

Tgt Ion: 75 Resp: 106858
Ion Ratio Lower Upper
75 100
77 31.8 24.4 36.6

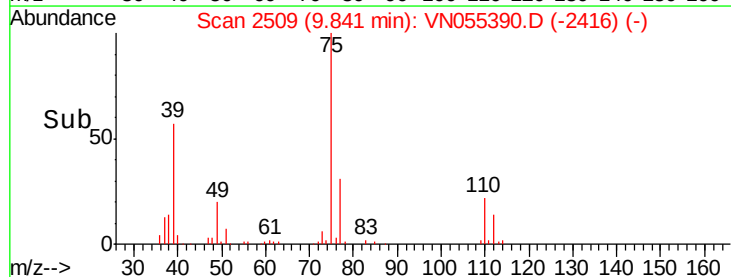
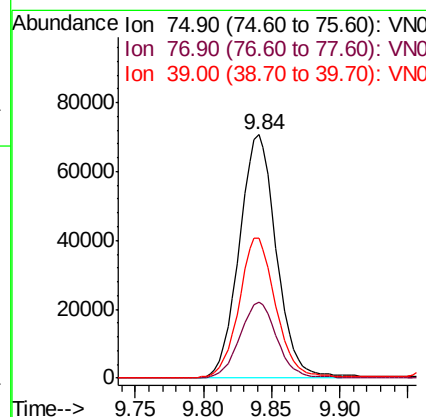
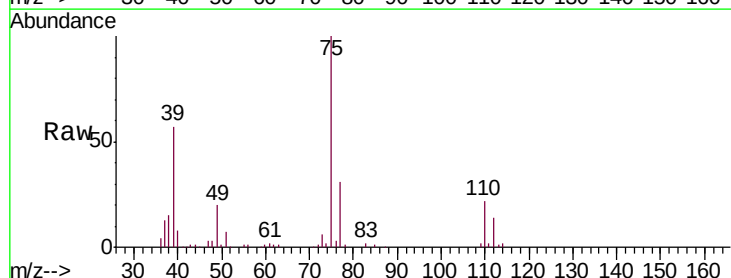
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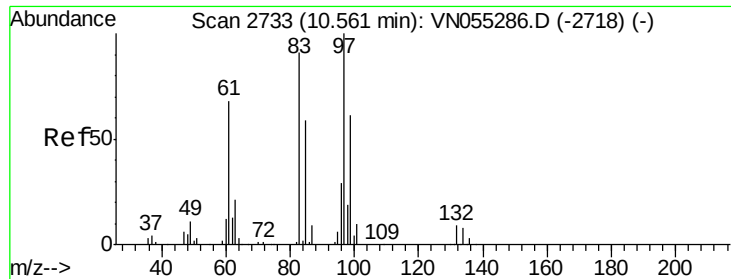
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#54
cis-1,3-Dichloropropene
Concen: 19.999 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion: 75 Resp: 133647
Ion Ratio Lower Upper
75 100
77 31.2 24.2 36.2
39 57.0 44.2 66.2





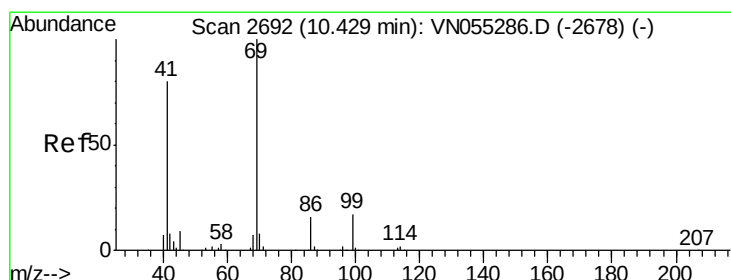
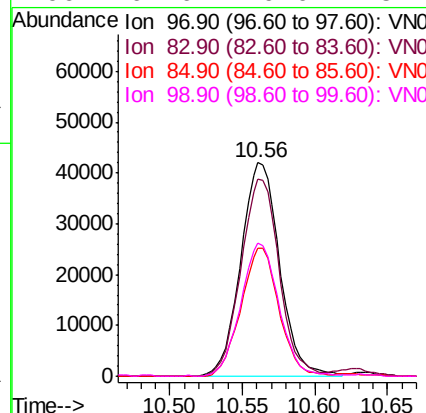
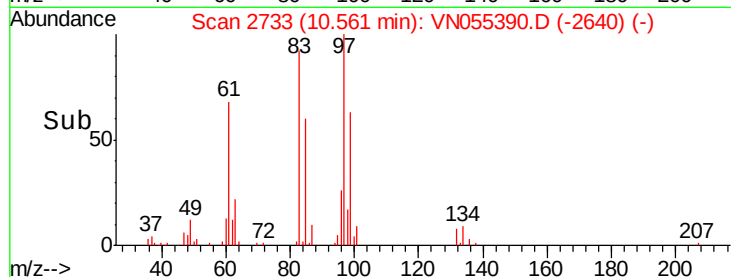
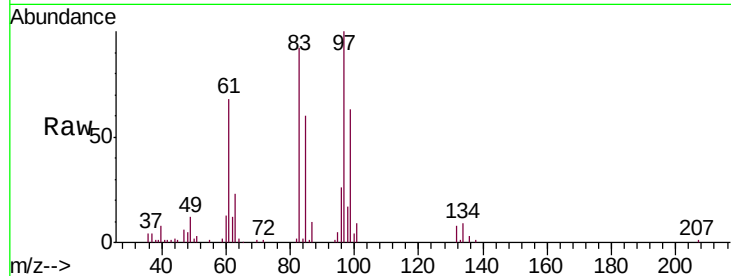
#55
 1,1,2-Trichloroethane
 Concen: 20.160 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503WBSD01

Tgt Ion:	97	Resp:	78415
Ion	Ratio	Lower	Upper
97	100		
83	92.4	72.8	109.2
85	60.0	47.0	70.6
99	62.6	49.0	73.4

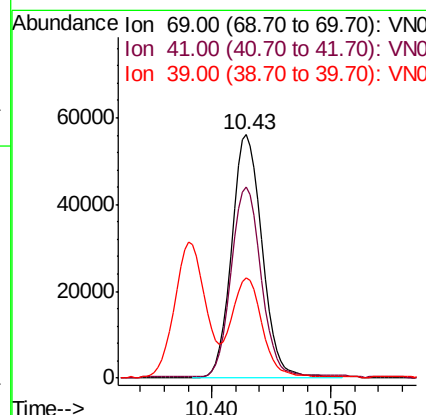
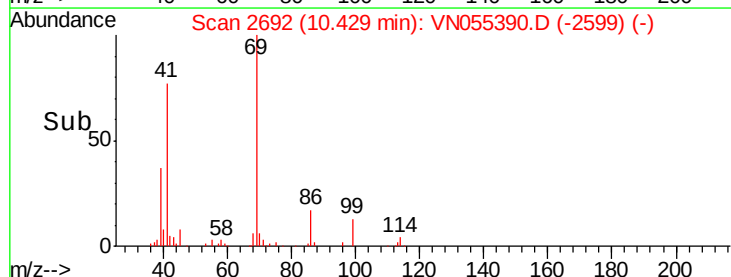
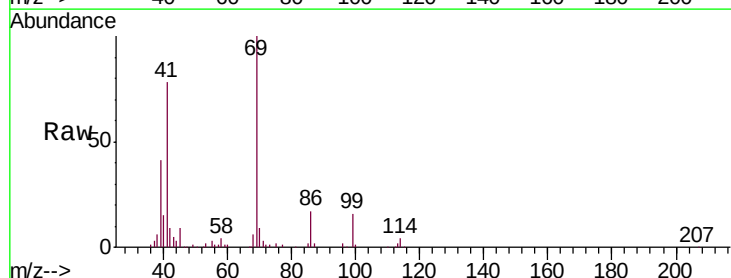
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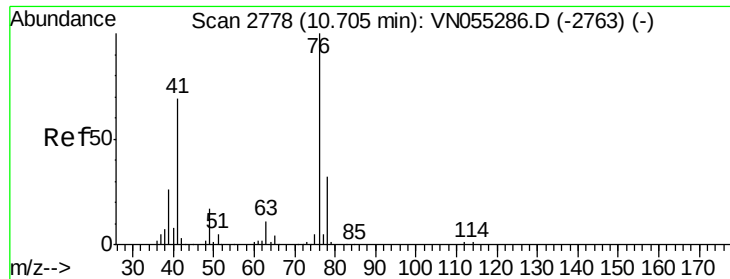
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#56
 Ethyl methacrylate
 Concen: 20.900 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Tgt Ion:	69	Resp:	100061
Ion	Ratio	Lower	Upper
69	100		
41	76.5	62.7	94.1
39	41.5	32.0	48.0





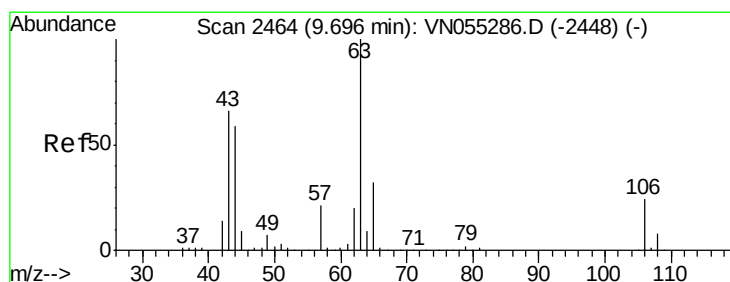
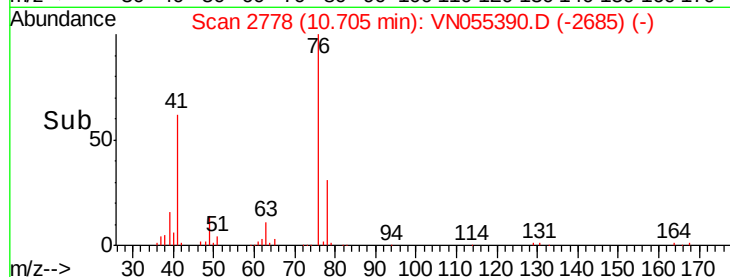
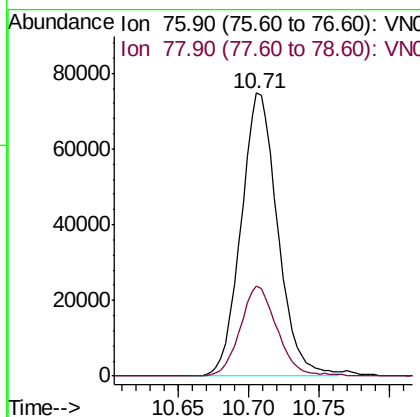
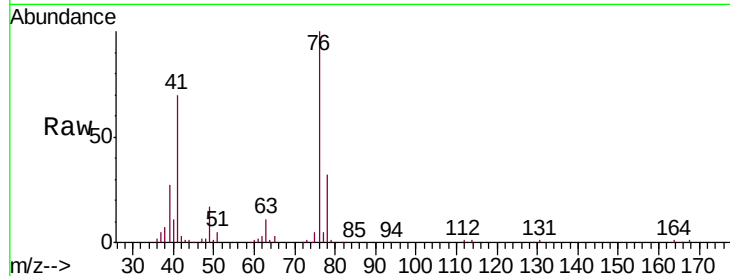
#57
 1,3-Dichloropropane
 Concen: 19.969 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503WBSD01

Tgt Ion: 76 Resp: 136262
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4

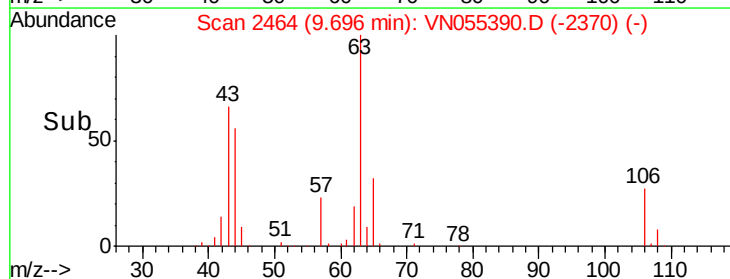
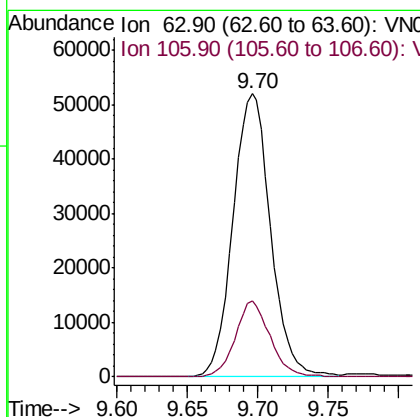
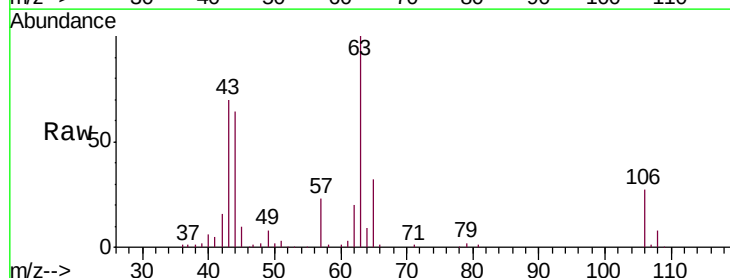
Manual Integrations
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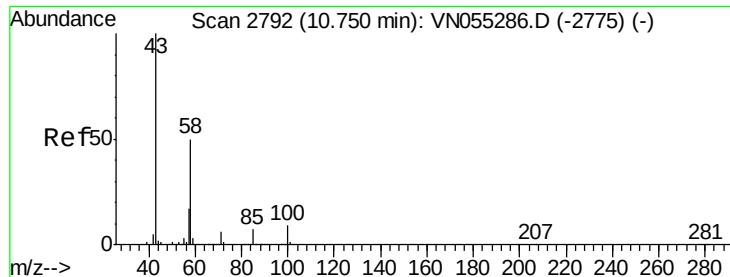
MMDadoda
 5/6/2019 10:47:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 74.526 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Tgt Ion: 63 Resp: 97120
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.0 28.4





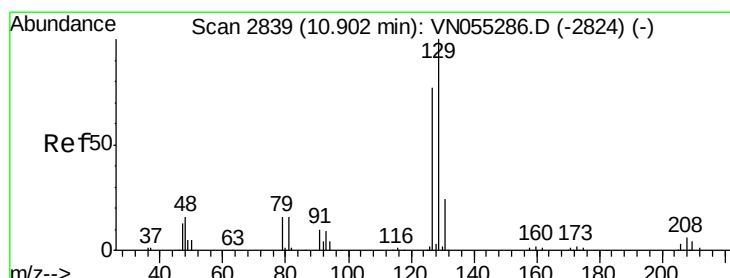
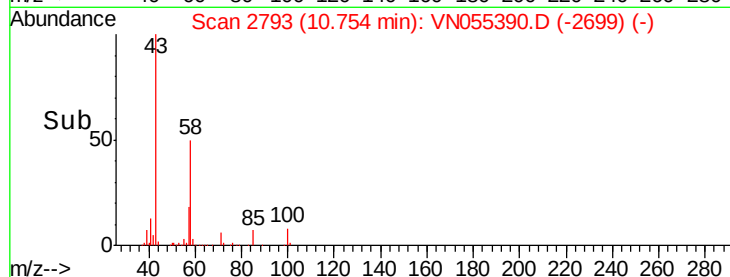
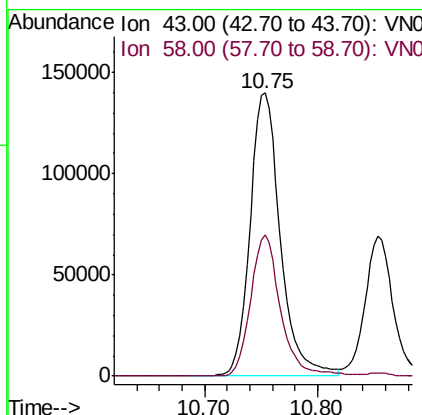
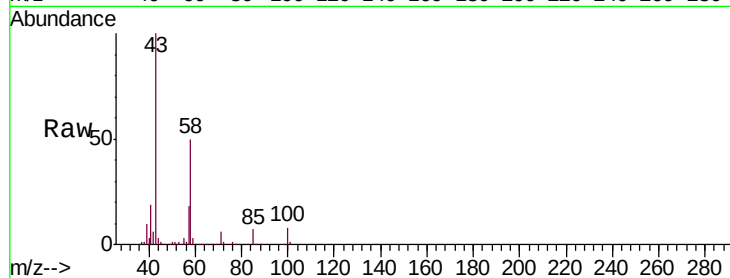
#59
2-Hexanone
Concen: 96.157 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBSD01

Tgt Ion: 43 Resp: 258369
Ion Ratio Lower Upper
43 100
58 49.7 24.9 74.6

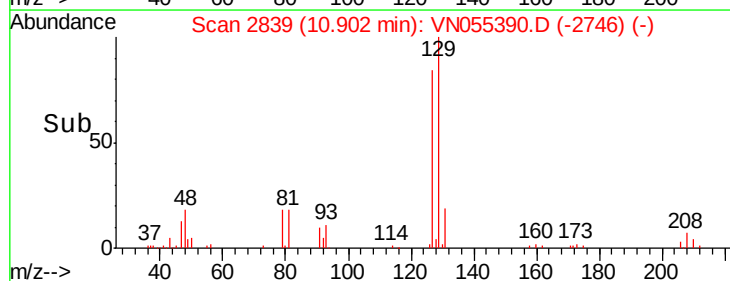
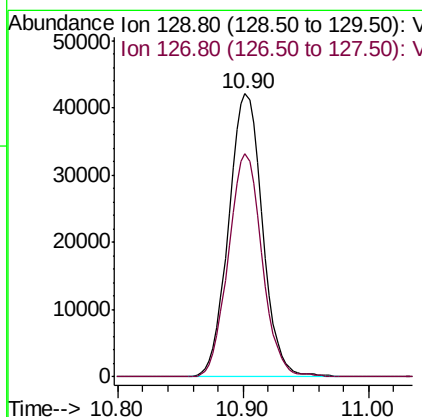
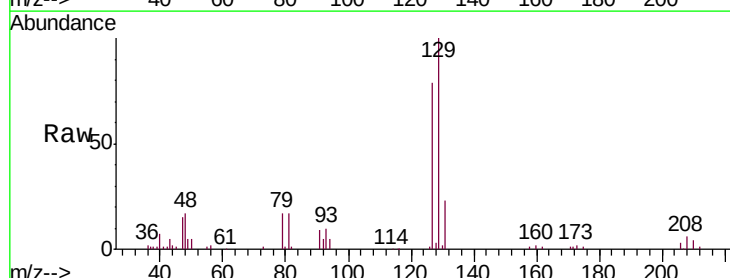
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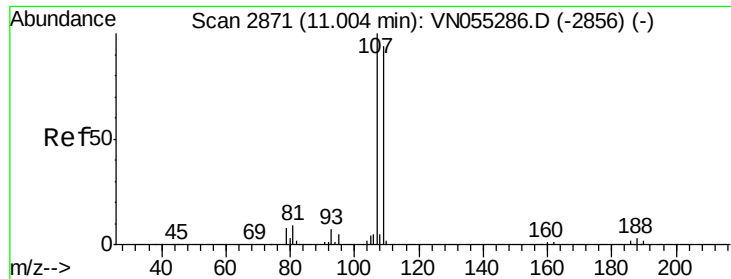
MMDadoda
5/6/2019 10:47:26 AM



#60
Dibromochloromethane
Concen: 19.880 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion: 129 Resp: 79032
Ion Ratio Lower Upper
129 100
127 78.3 38.1 114.5





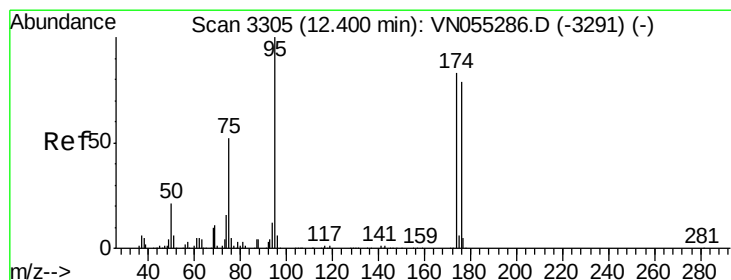
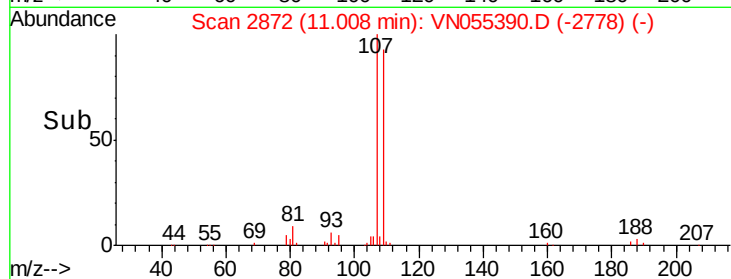
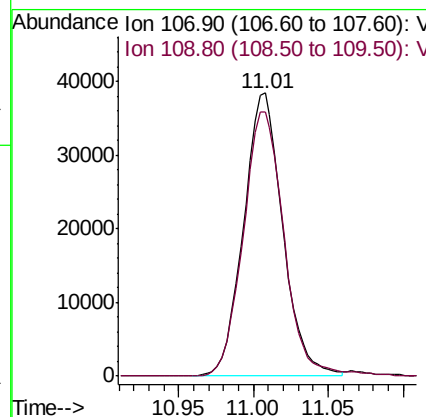
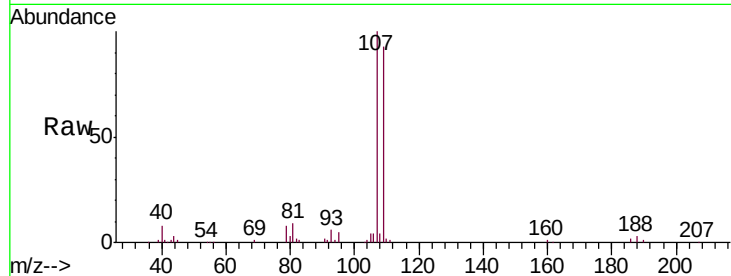
#61
 1,2-Dibromoethane
 Concen: 19.518 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503WBSD01

Tgt Ion: 107 Resp: 70172
 Ion Ratio Lower Upper
 107 100
 109 97.5 75.0 112.6

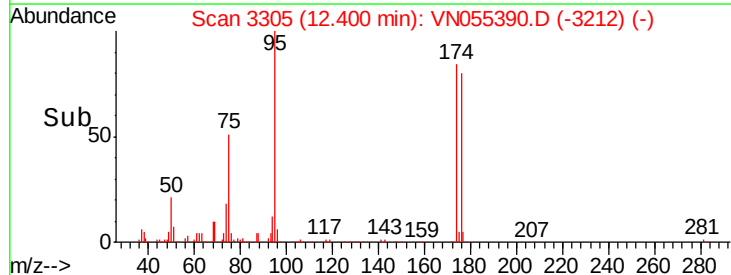
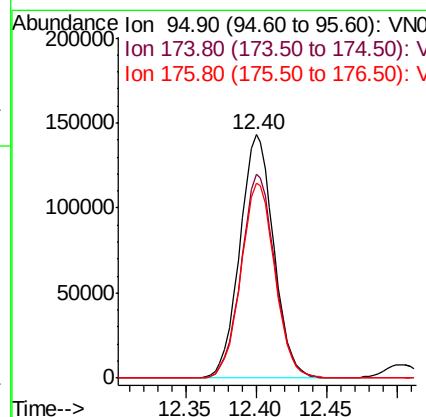
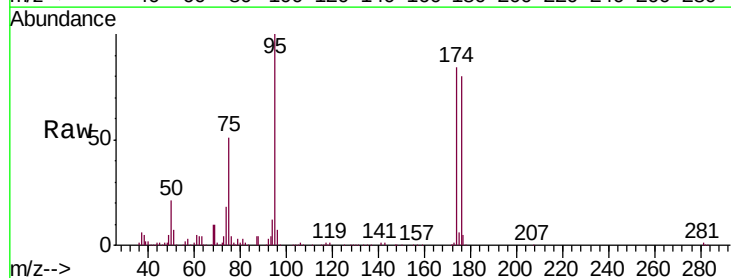
Manual Integrations
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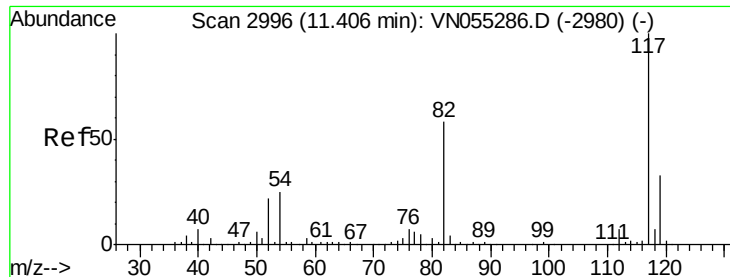
MMDadoda
 5/6/2019 10:47:26 AM



#62
 4-Bromofluorobenzene
 Concen: 50.276 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Tgt Ion: 95 Resp: 240775
 Ion Ratio Lower Upper
 95 100
 174 83.5 0.0 166.6
 176 80.4 0.0 157.8





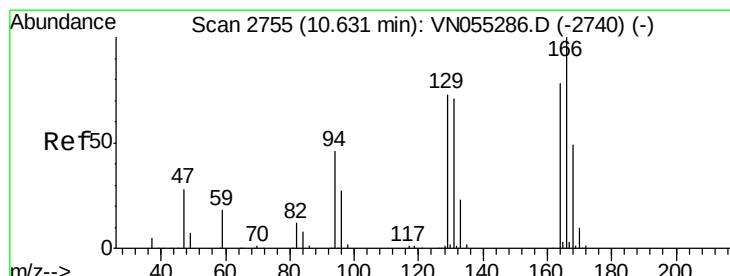
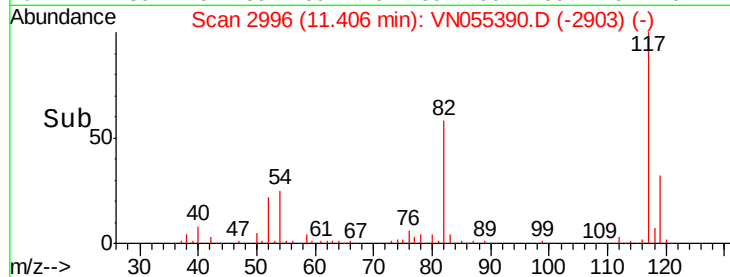
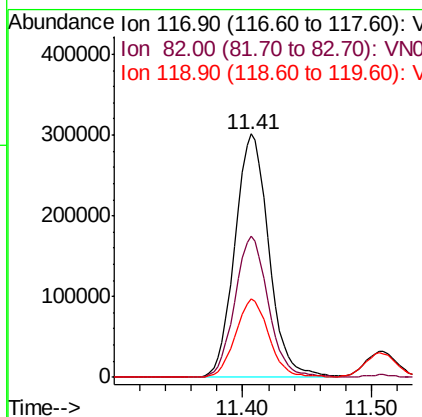
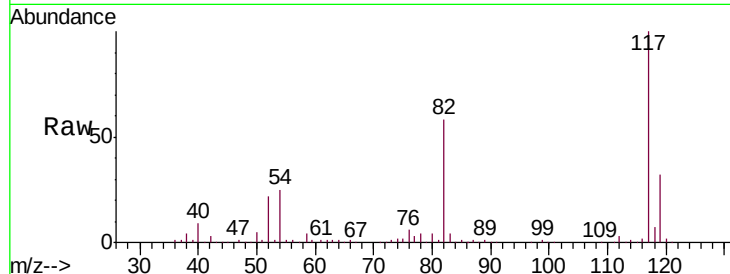
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	552158		
82	58.1	46.2	69.4	
119	32.1	26.6	40.0	

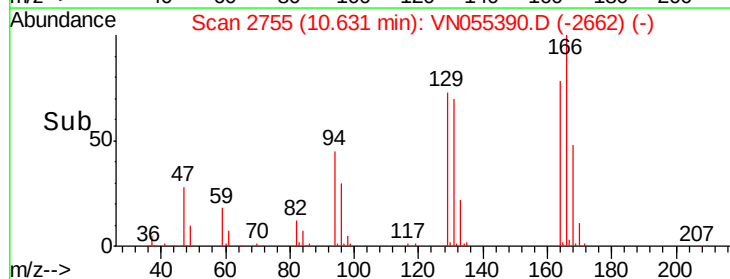
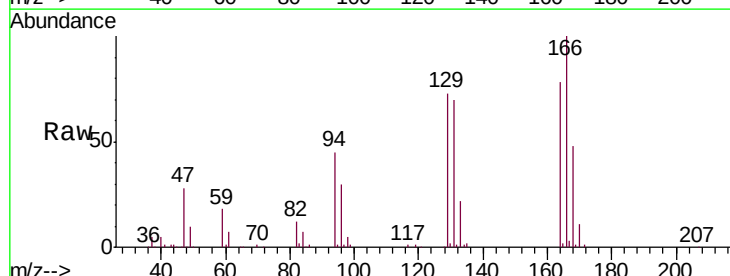
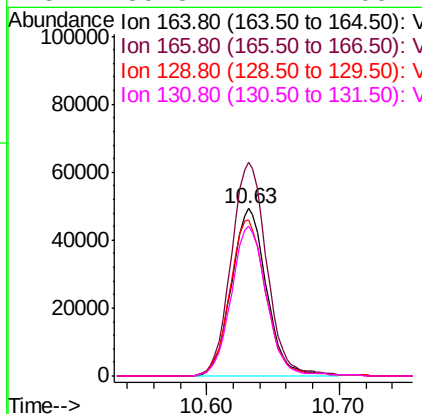
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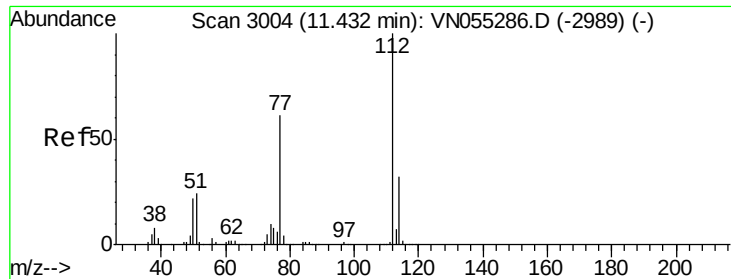
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#64
Tetrachloroethene
Concen: 20.077 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	90655		
166	127.4	102.3	153.5	
129	93.0	75.0	112.6	
131	89.3	72.7	109.1	





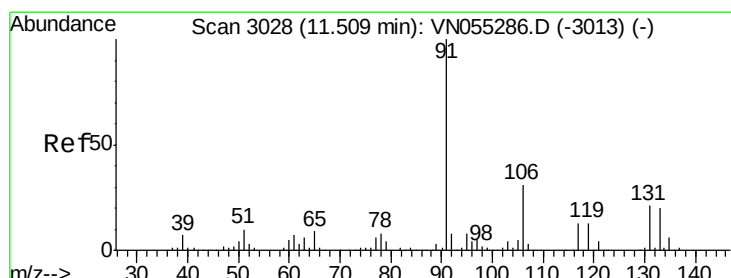
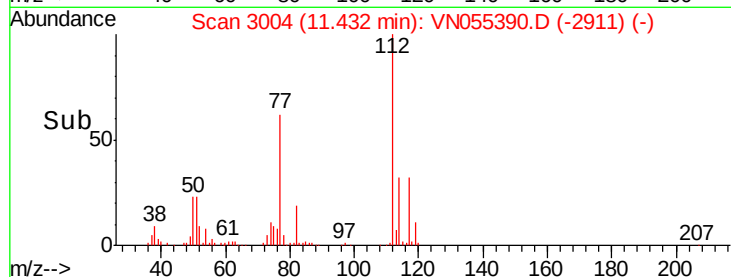
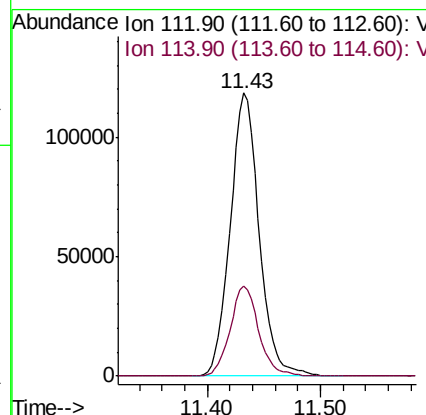
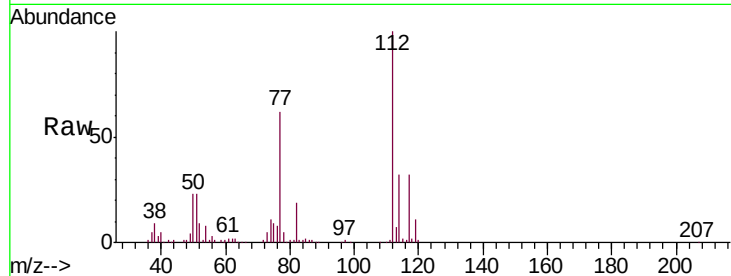
#65
Chlorobenzene
Concen: 19.484 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampled :
VN0503WBSD01

Tgt Ion:112 Resp: 210335
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9

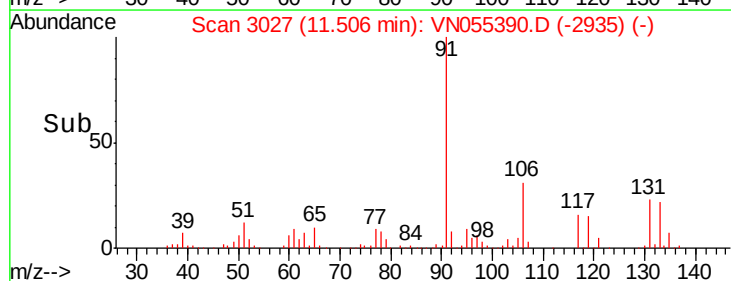
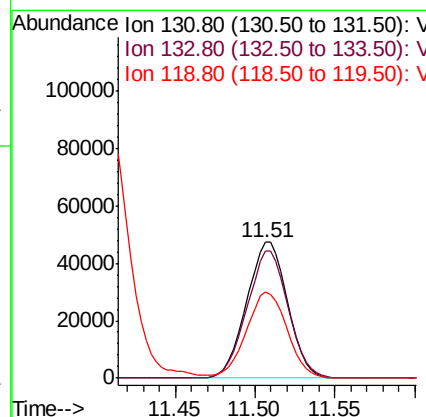
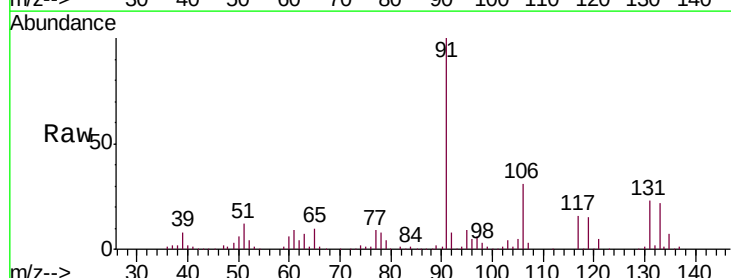
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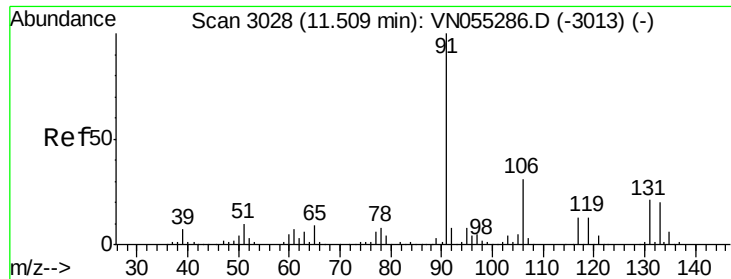
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.644 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion:131 Resp: 83037
Ion Ratio Lower Upper
131 100
133 93.9 47.5 142.6
119 63.6 32.7 98.1





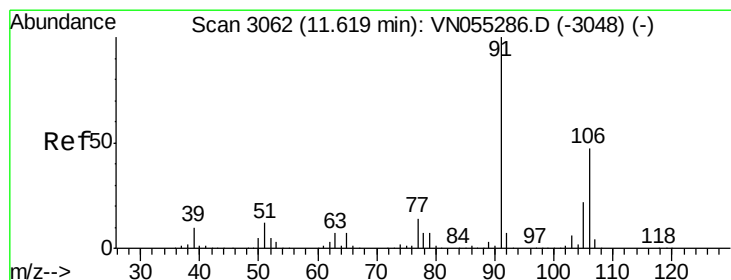
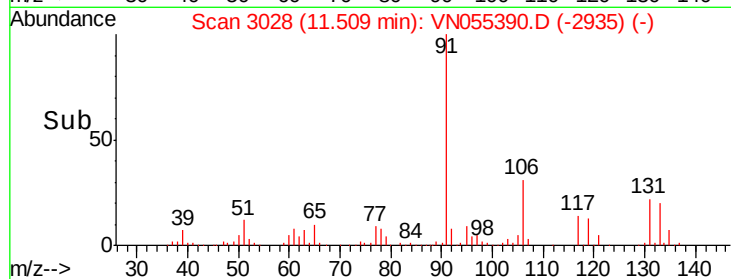
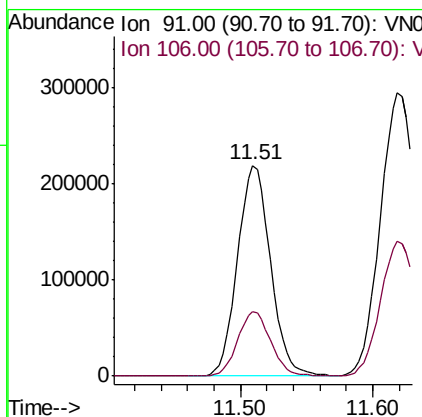
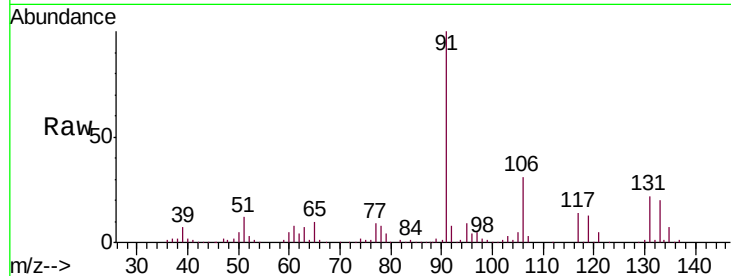
#67
Ethyl Benzene
Concen: 19.518 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampled :
VN0503WBSD01

Tgt Ion: 91 Resp: 380497
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8

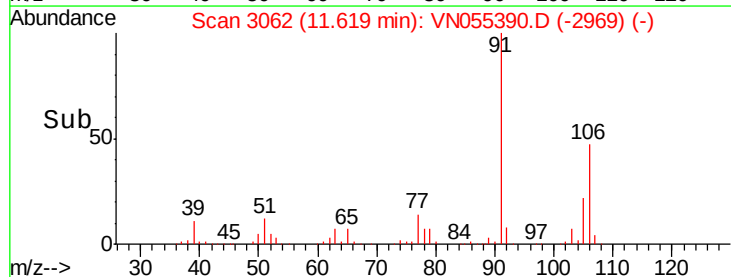
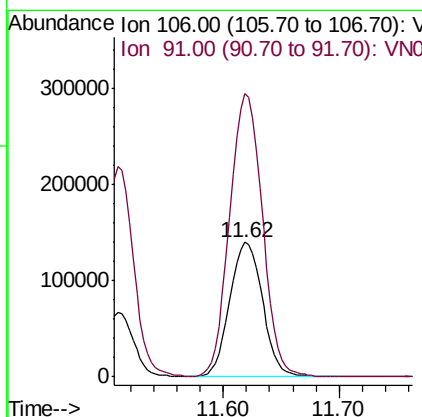
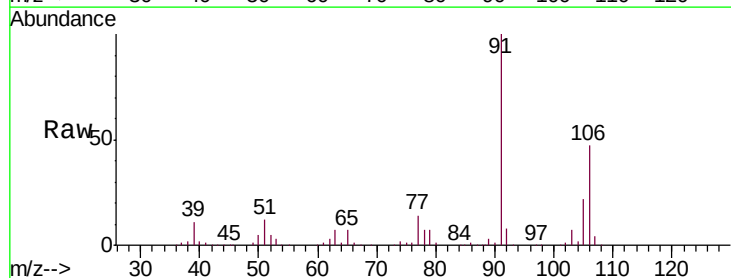
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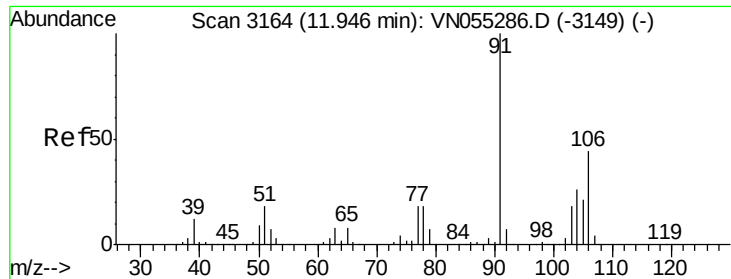
MMDadoda
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#68
m/p-Xylenes
Concen: 39.465 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion: 106 Resp: 274616
Ion Ratio Lower Upper
106 100
91 210.4 169.5 254.3





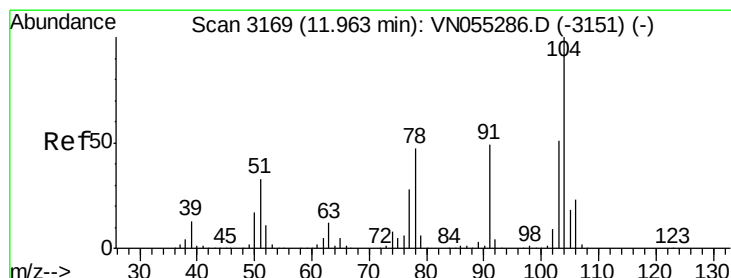
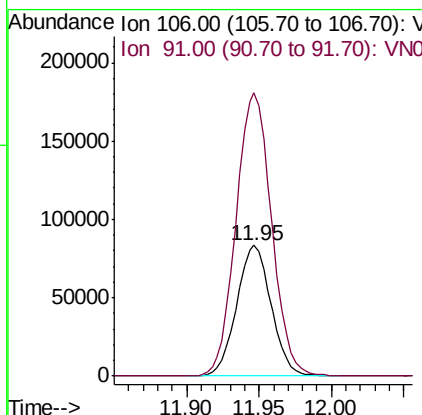
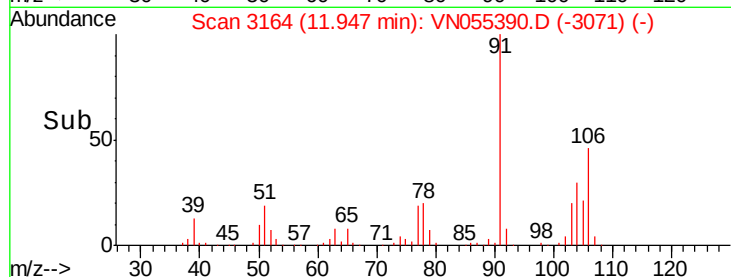
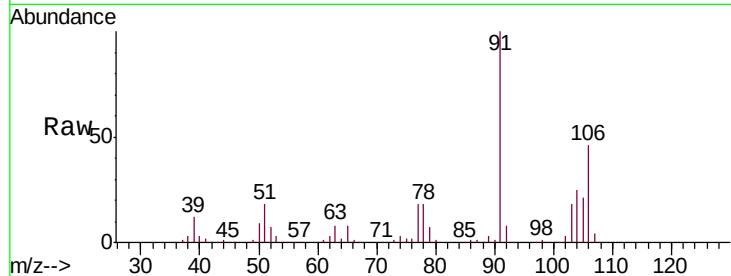
#69
o-Xylene
Concen: 20.034 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampled :
VN0503WBSD01

Tgt Ion:106 Resp: 138170
Ion Ratio Lower Upper
106 100
91 222.9 111.5 334.5

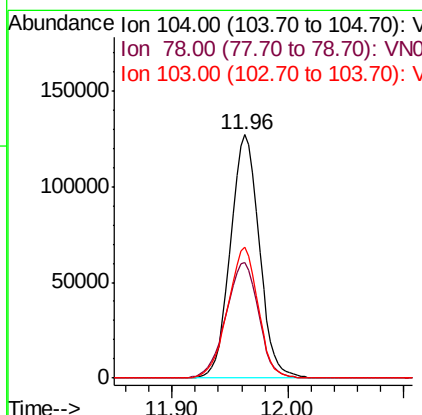
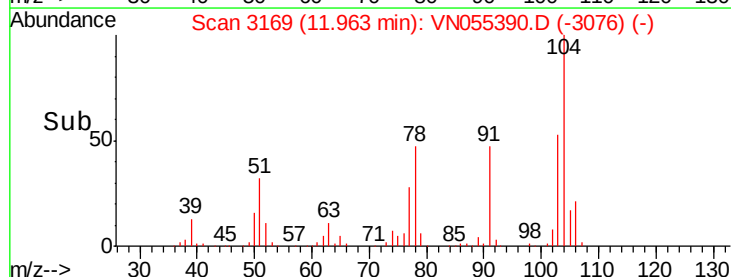
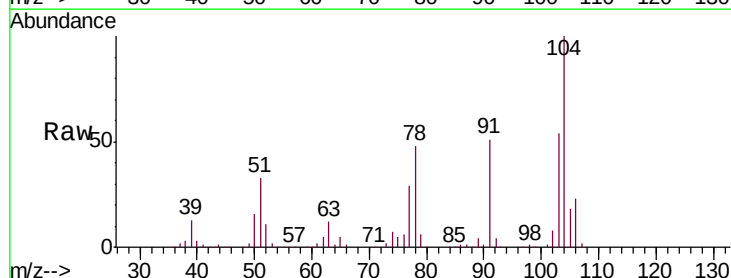
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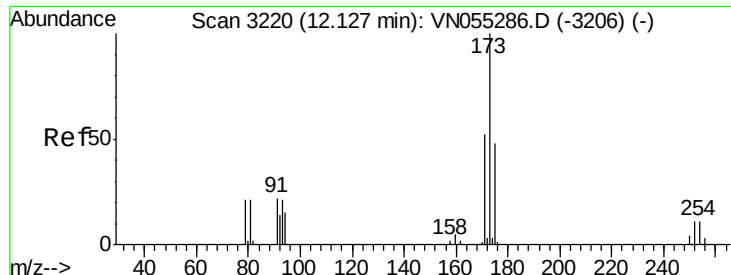
MMDadoda
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#70
Styrene
Concen: 20.630 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion:104 Resp: 218463
Ion Ratio Lower Upper
104 100
78 53.8 42.2 63.2
103 56.7 44.6 67.0





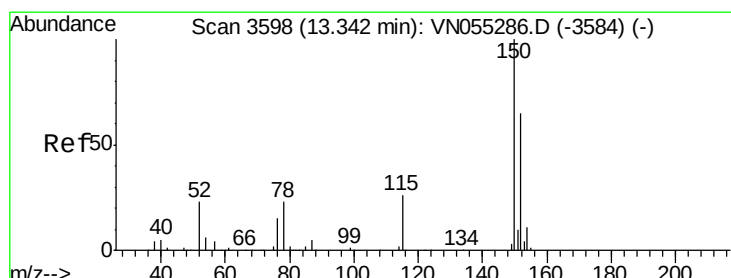
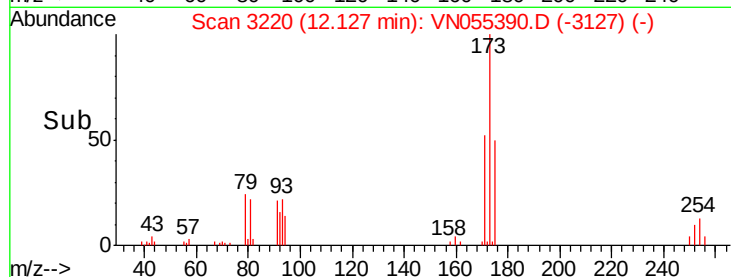
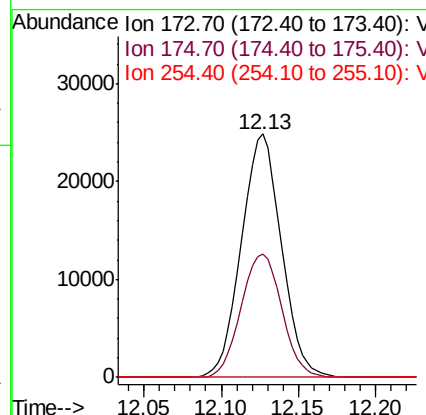
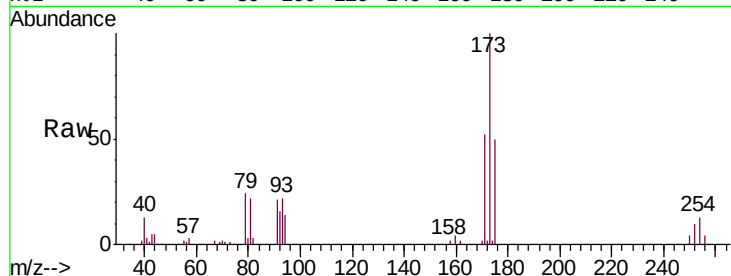
#71
Bromoform
Concen: 19.087 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampleId :
VN0503WBSD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.6	23.6	71.0
254	0.0	0.0	0.0

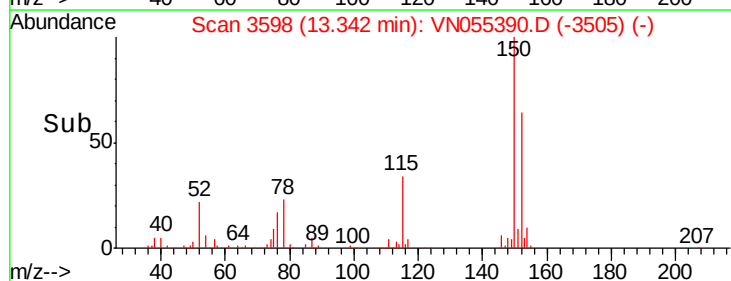
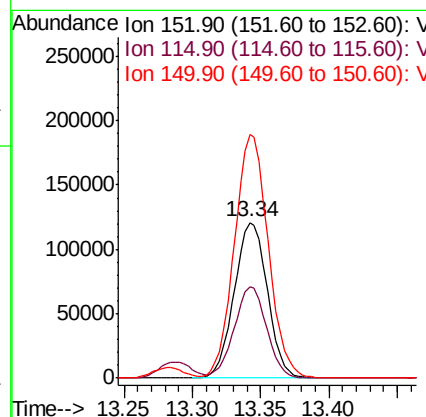
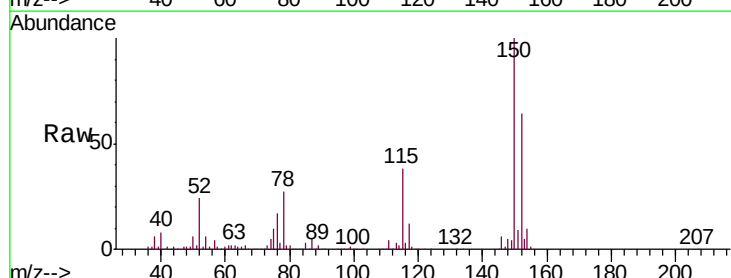
Manual Integrations
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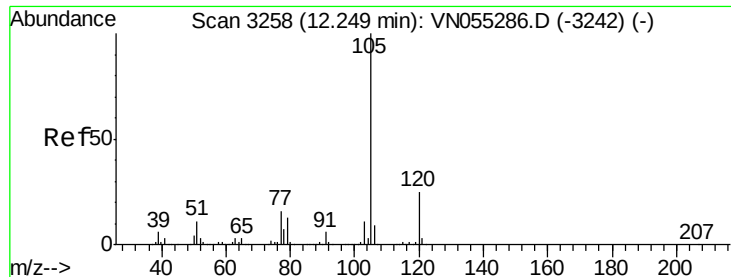
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.0	87.0
150	160.0	0.0	345.6





#73

Isopropylbenzene

Concen: 21.079 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampled :

VN0503WBSD01

Tgt Ion: 105 Resp: 370881

Ion Ratio Lower Upper

105 100

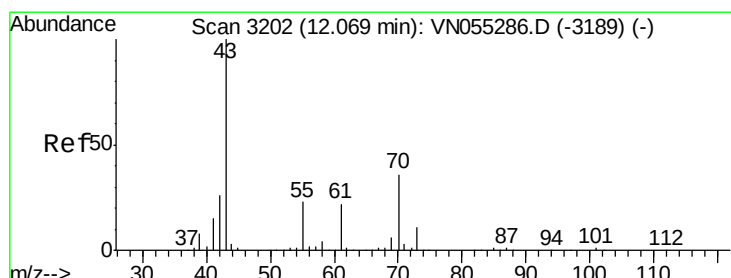
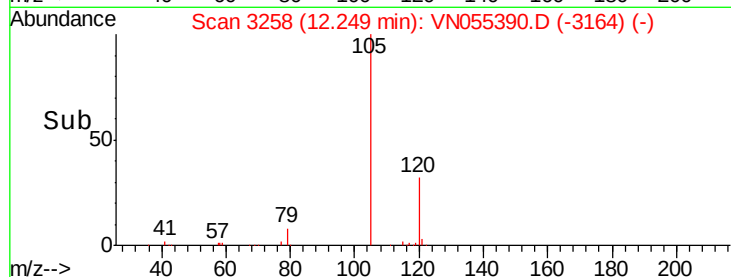
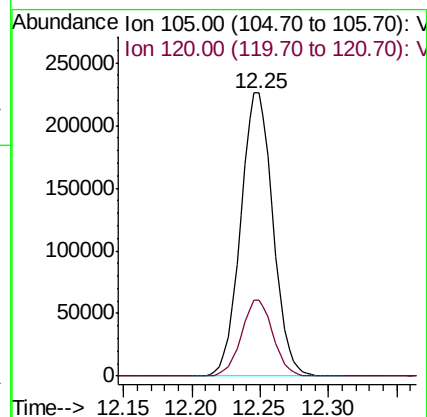
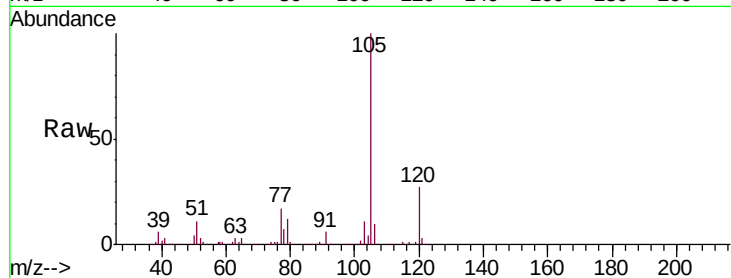
120 26.3 12.9 38.7

Manual Integrations

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MMDadoda

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#74

N-ethyl acetate

Concen: 19.061 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Tgt Ion: 43 Resp: 99534

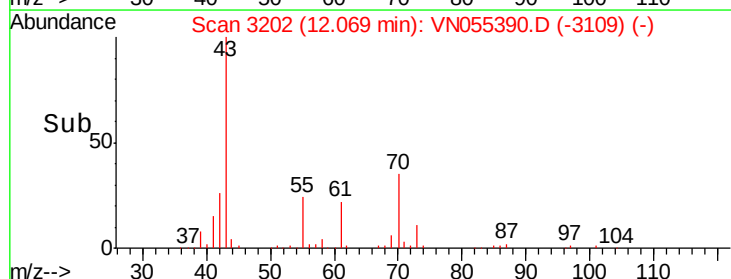
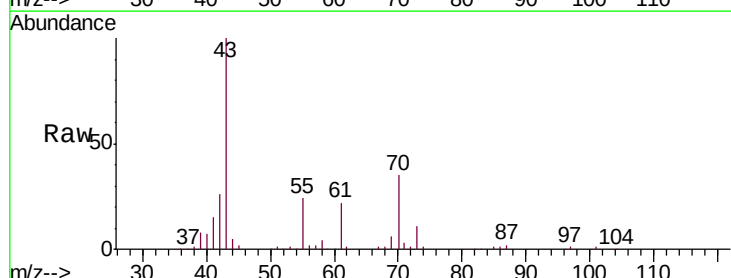
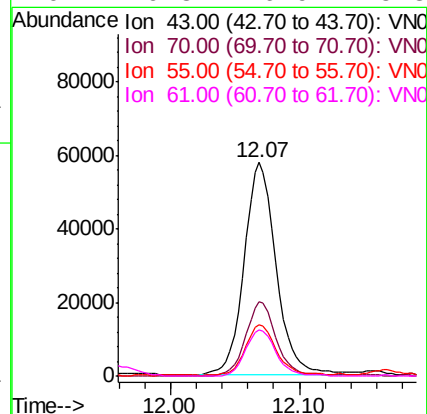
Ion Ratio Lower Upper

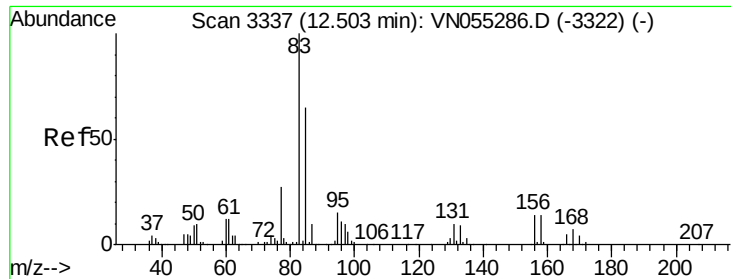
43 100

70 33.5 27.9 41.9

55 23.1 18.2 27.2

61 20.8 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.227 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

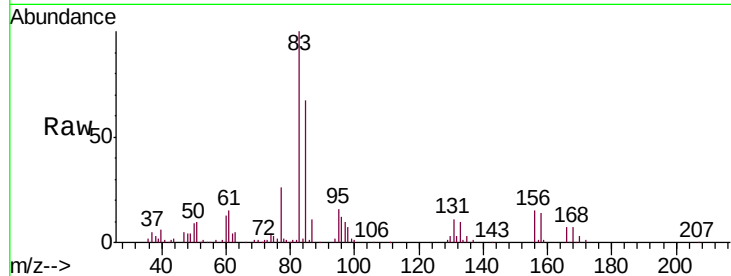
ClientSampled :

VN0503WBSD01

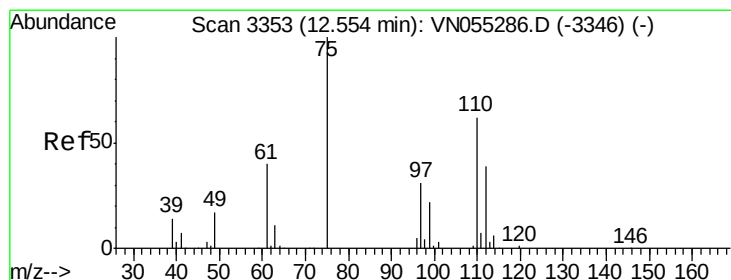
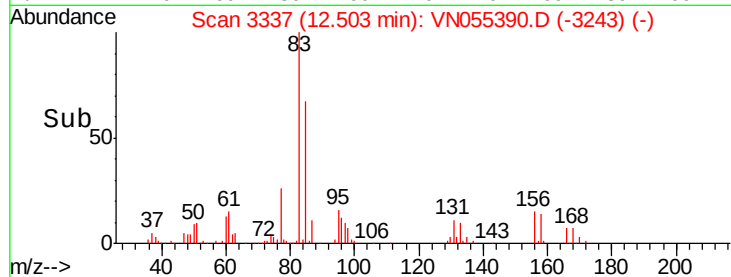
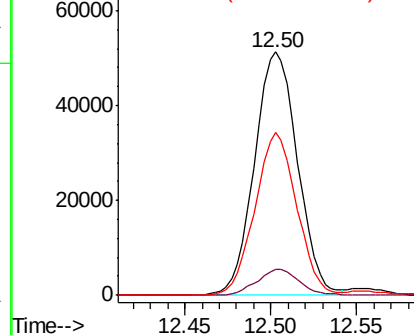
Tgt Ion:	83	Resp:	89179
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.2
85	64.8	32.3	96.8

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 21.998 ug/l m

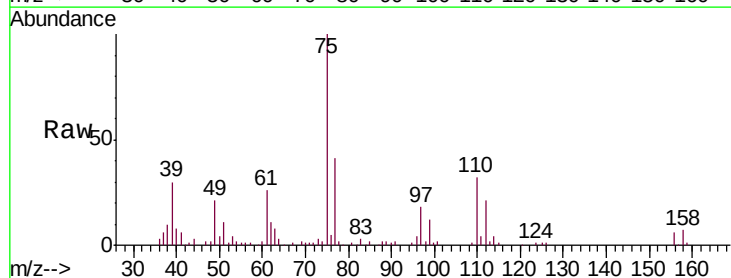
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

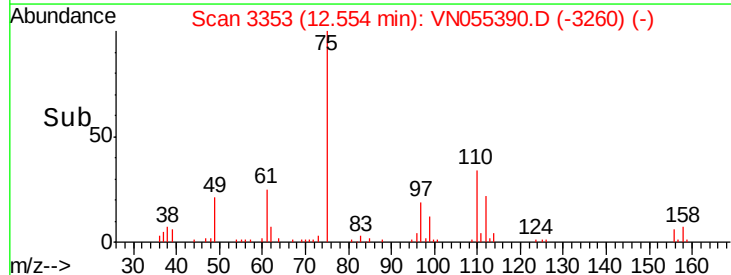
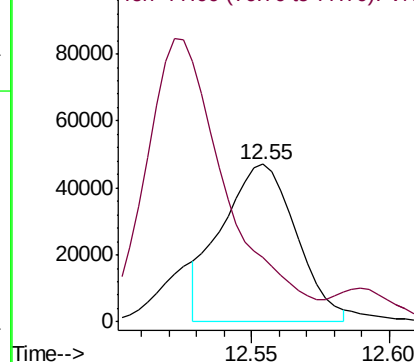
Lab File: VN055390.D

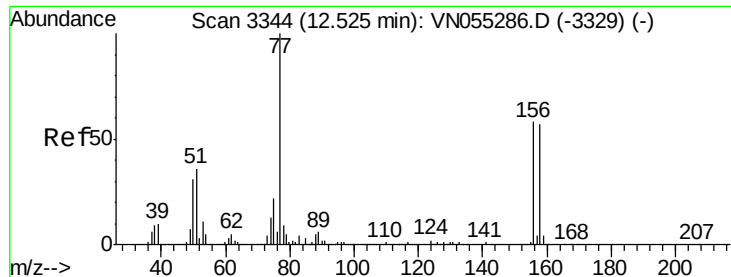
Acq: 3 May 2019 15:22

Tgt Ion:	75	Resp:	88530
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 21.365 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

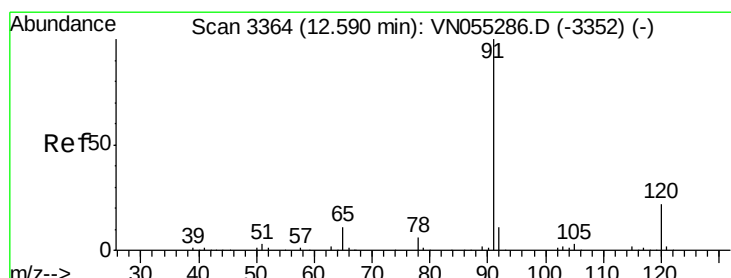
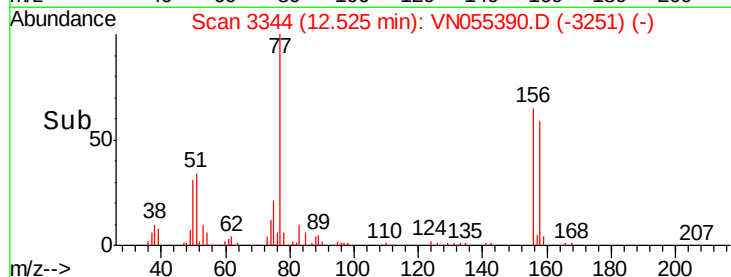
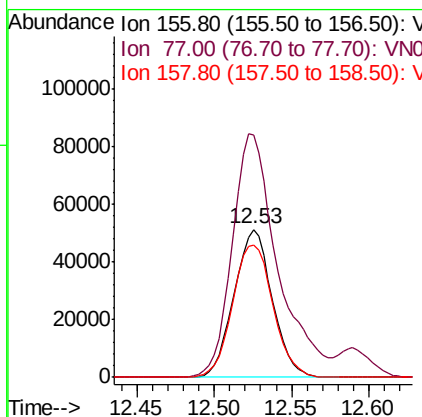
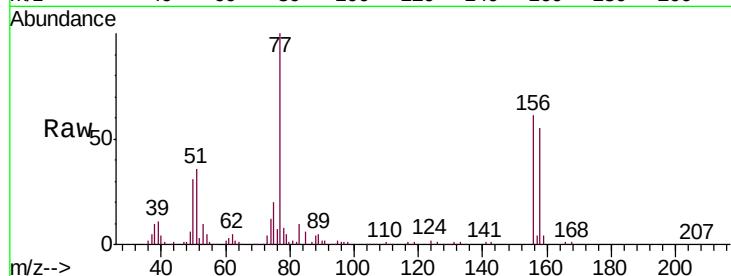
ClientSampled :

VN0503WBSD01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	195.7	99.6	298.8
158	94.9	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 18.839 ug/l

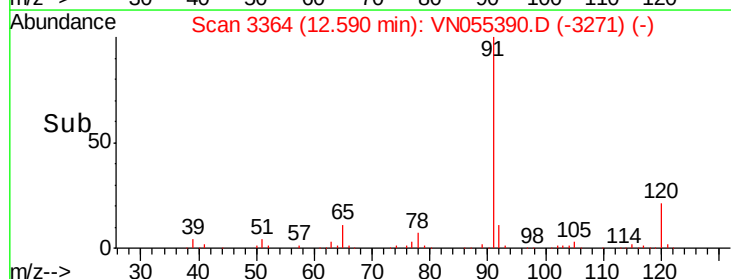
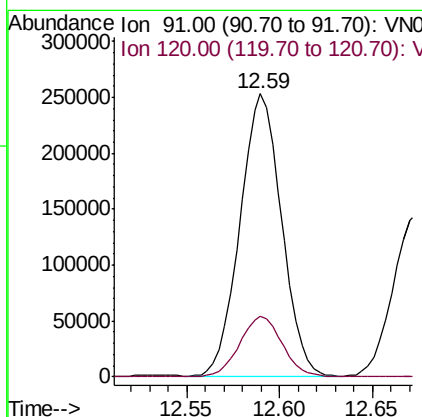
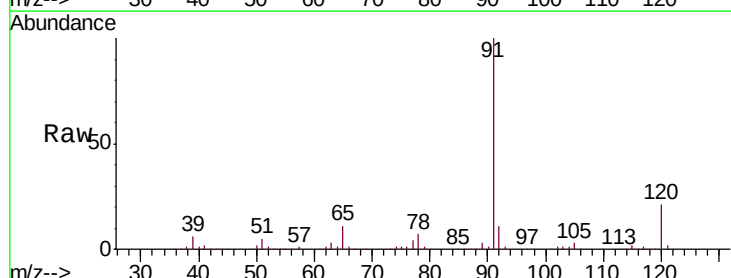
RT: 12.59 min Scan# 3364

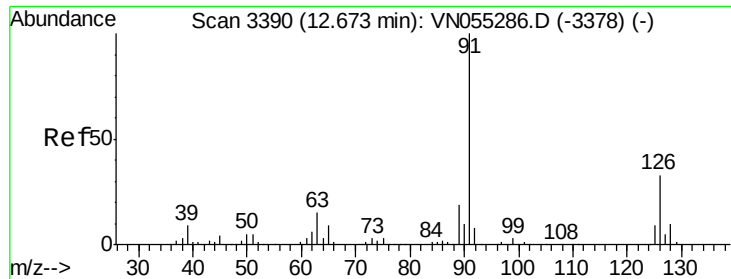
Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.0	33.0





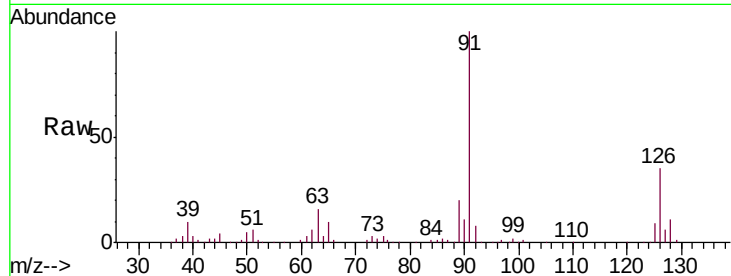
#79
 2-Chlorotoluene
 Concen: 20.780 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0503WBSD01

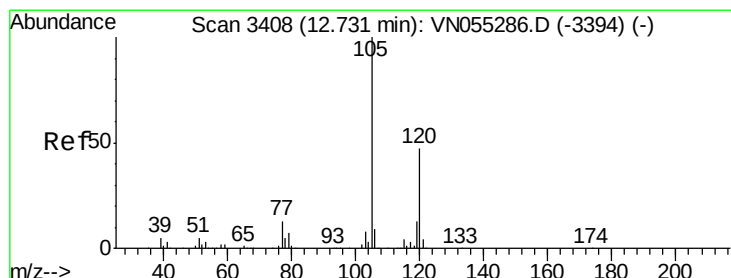
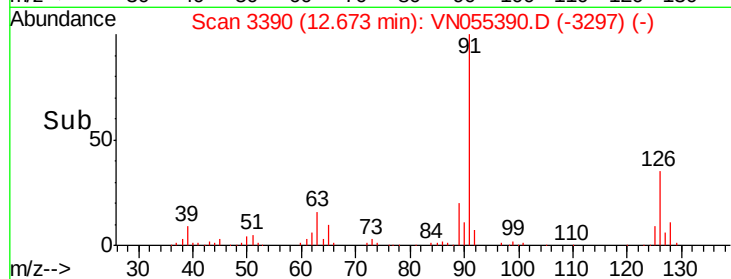
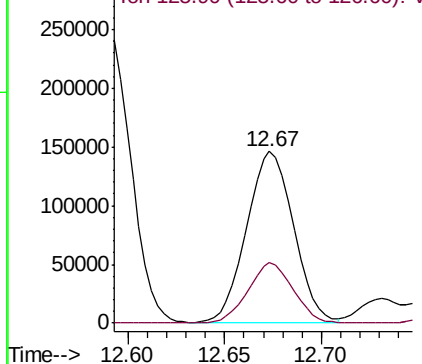
Tgt Ion: 91 Resp: 246305
 Ion Ratio Lower Upper
 91 100
 126 34.0 16.6 49.7

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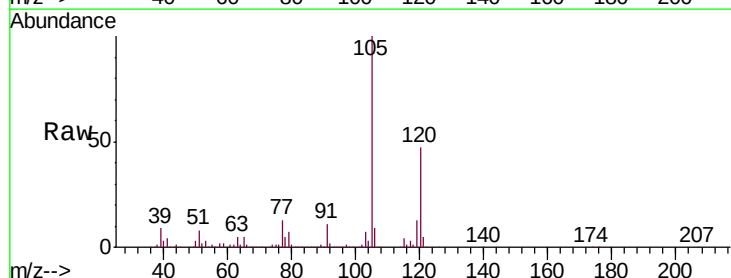


Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3378) (-)
 Ion 125.90 (125.60 to 126.60): VN055286.D (-3378) (-)

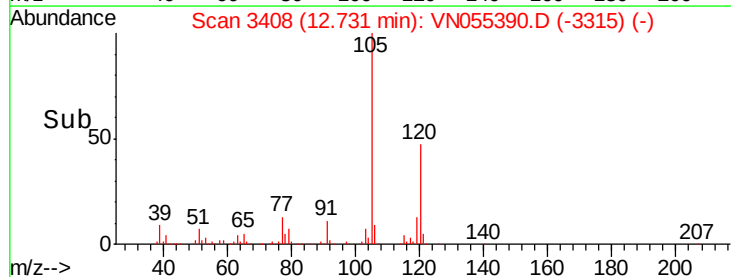
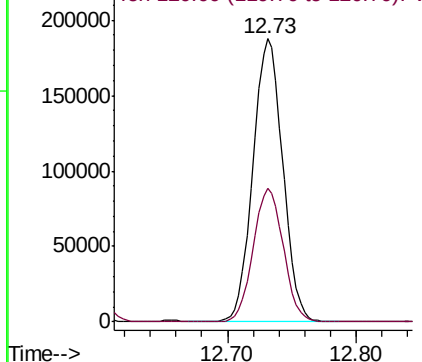


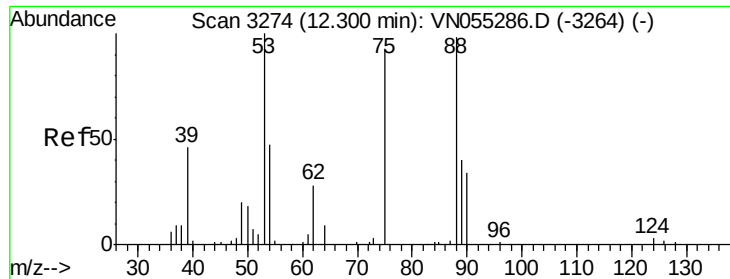
#80
 1,3,5-Trimethylbenzene
 Concen: 19.033 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Tgt Ion: 105 Resp: 303612
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055286.D (-3394) (-)
 Ion 120.00 (119.70 to 120.70): VN055286.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.079 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

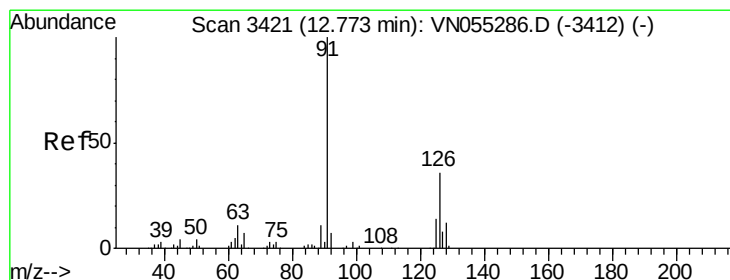
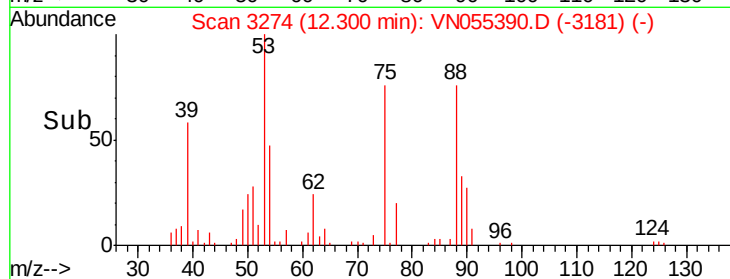
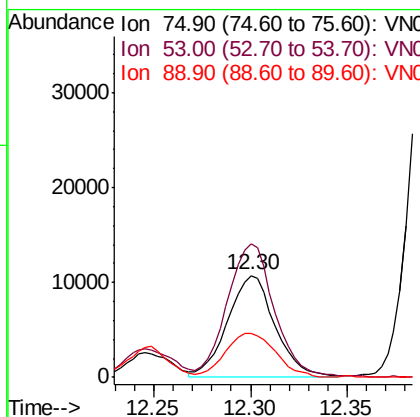
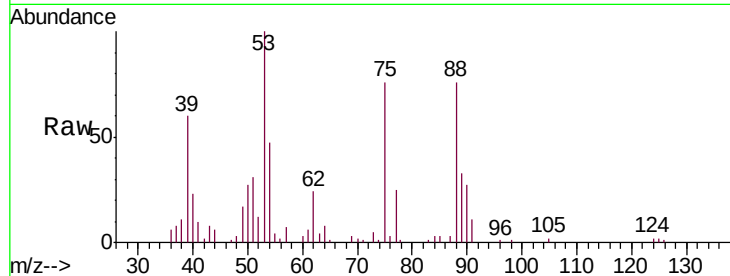
ClientSampled :

VN0503WBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	130.5	86.3	129.5#
89	45.9	34.6	51.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.023 ug/l

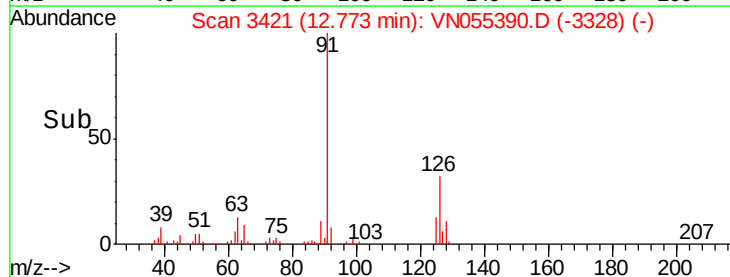
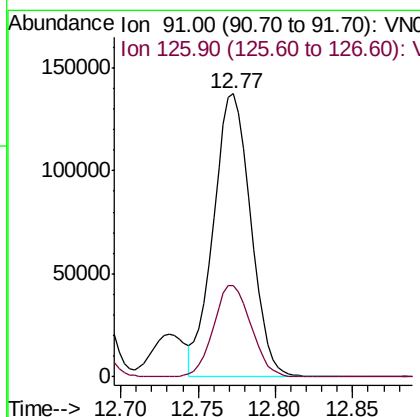
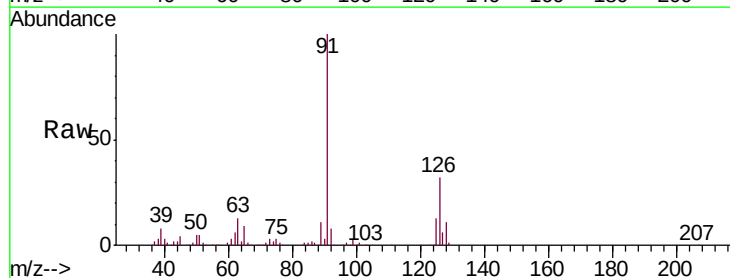
RT: 12.77 min Scan# 3421

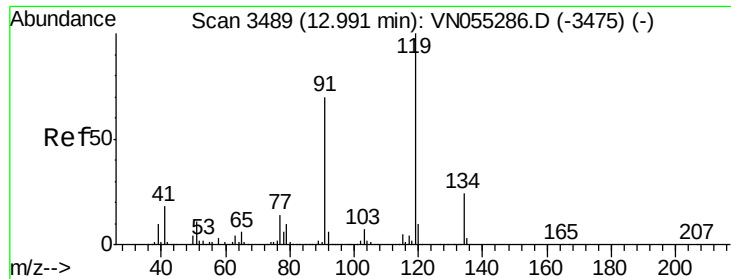
Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.6	49.7





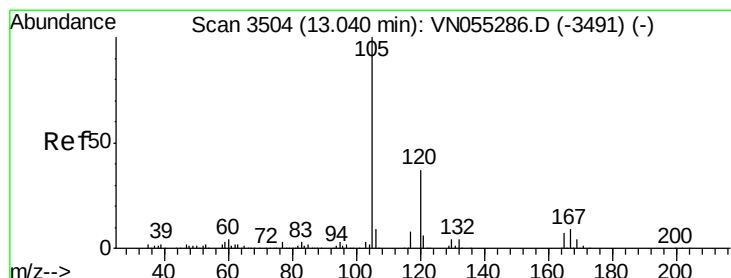
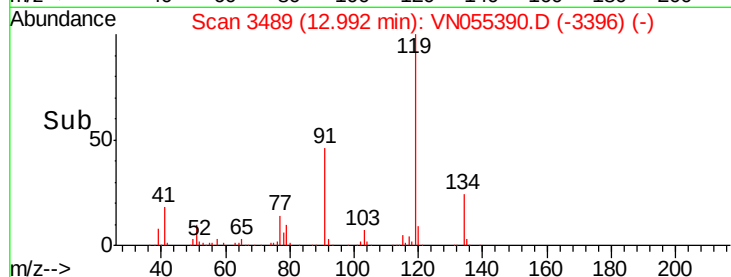
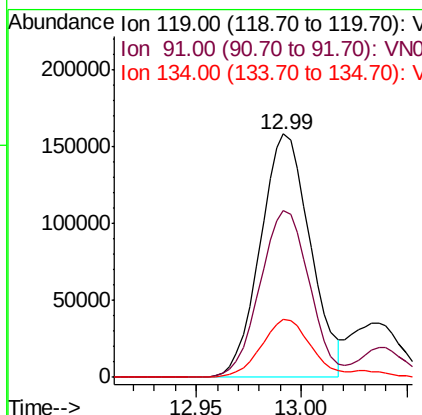
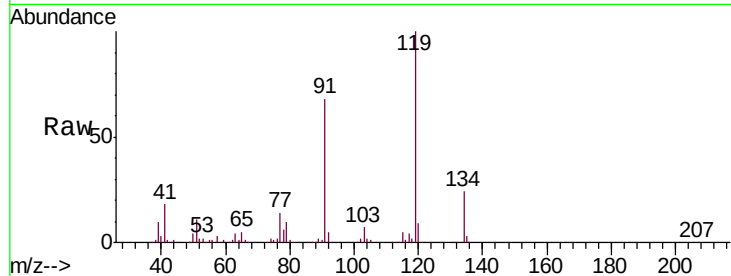
#83
 tert-Butylbenzene
 Concen: 21.412 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0503WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	260547		
91	68.2	34.3	102.9	
134	23.6	13.1	39.3	

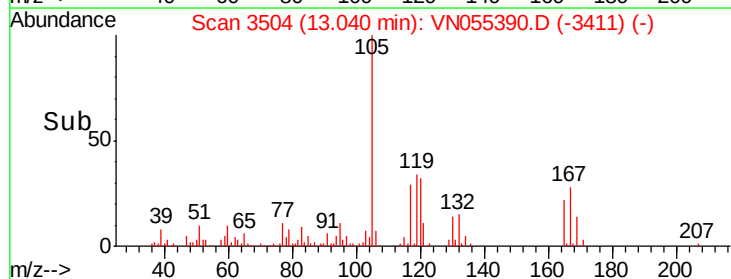
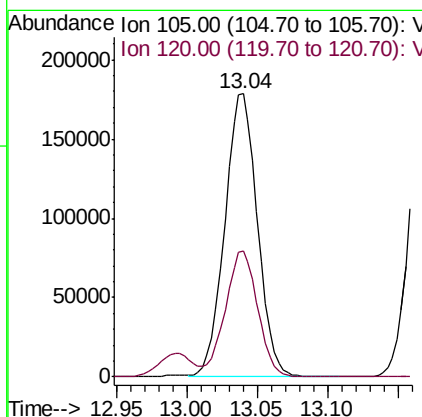
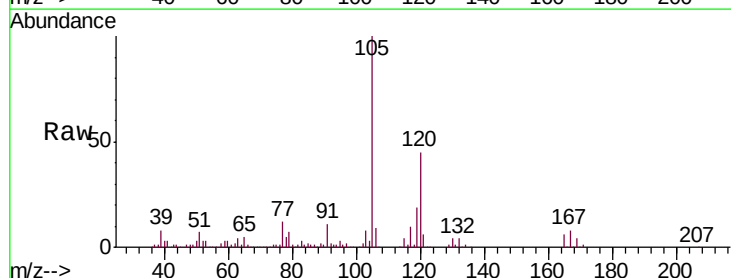
Manual Integrations
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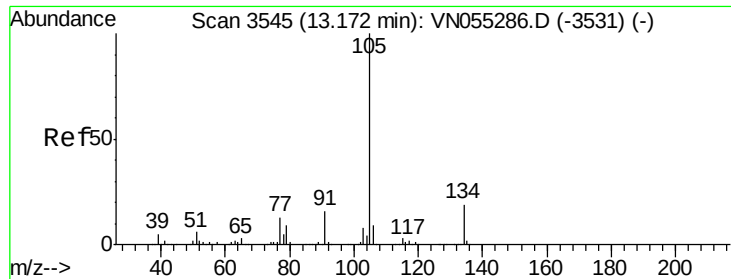
MMDadoda
 5/6/2019 10:47:26 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.220 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	288461		
120	44.1	22.1	66.5	





#85

sec-Butylbenzene

Concen: 18.949 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

ClientSampleId :

VN0503WBSD01

Tgt Ion:105 Resp: 328534

Ion Ratio Lower Upper

105 100

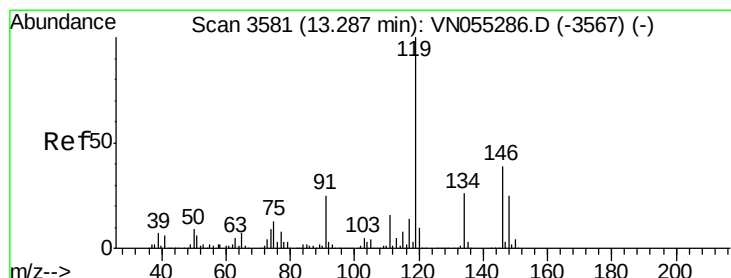
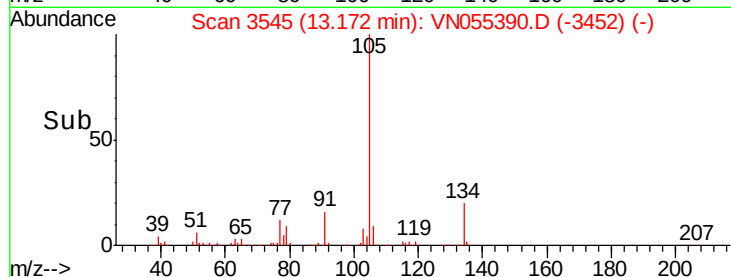
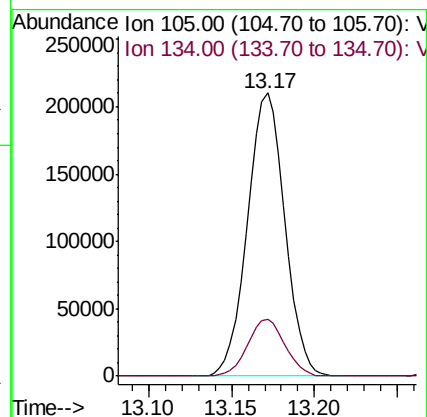
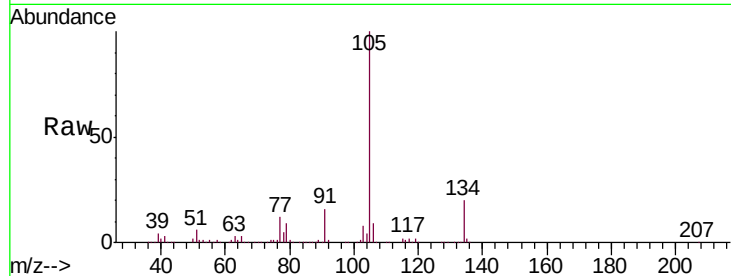
134 20.1 9.6 28.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.327 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

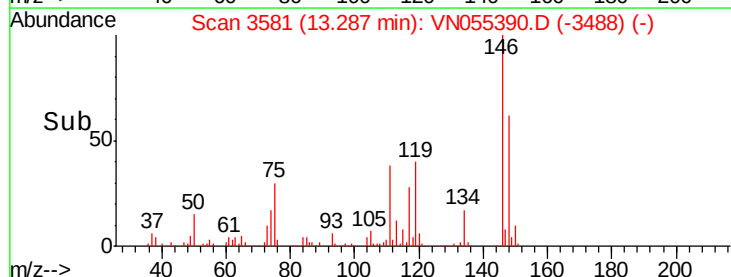
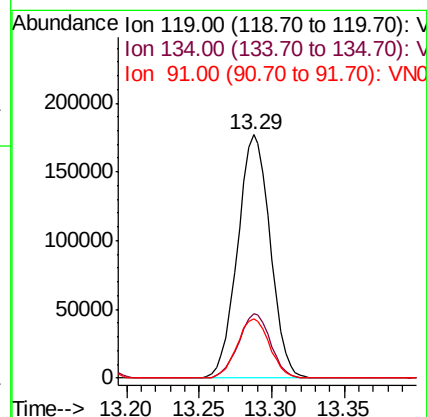
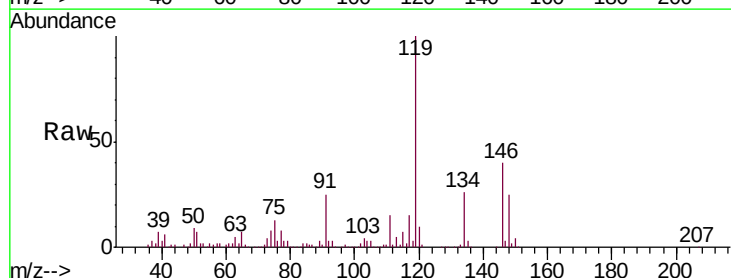
Tgt Ion:119 Resp: 275410

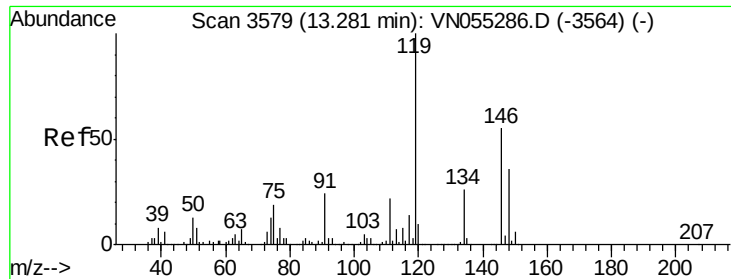
Ion Ratio Lower Upper

119 100

134 26.3 13.0 38.9

91 24.4 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 19.439 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

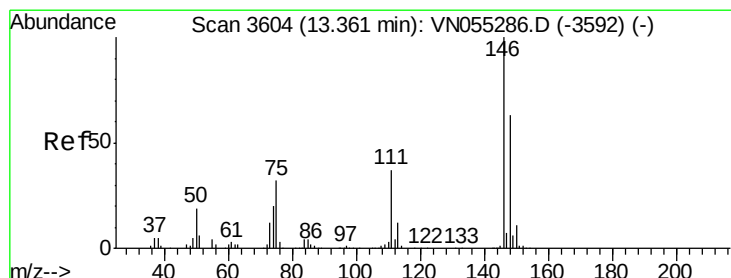
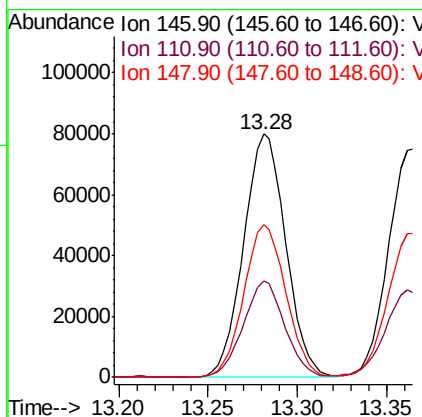
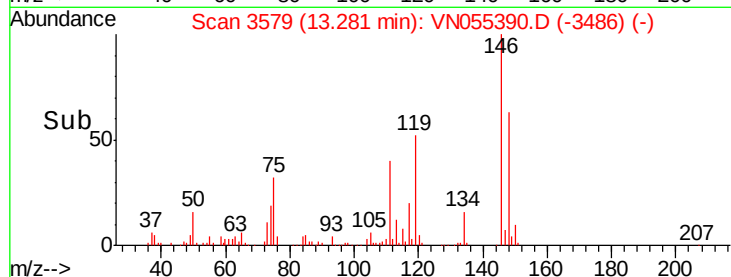
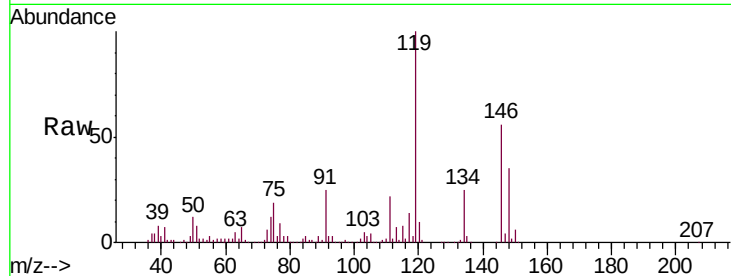
ClientSampleID :

VN0503WBSD01

Tgt Ion:	146	Resp:	132357
Ion Ratio	Lower	Upper	
146	100		
111	39.1	20.3	60.8
148	62.8	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.271 ug/l

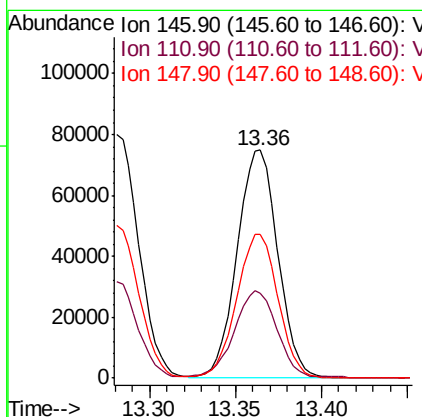
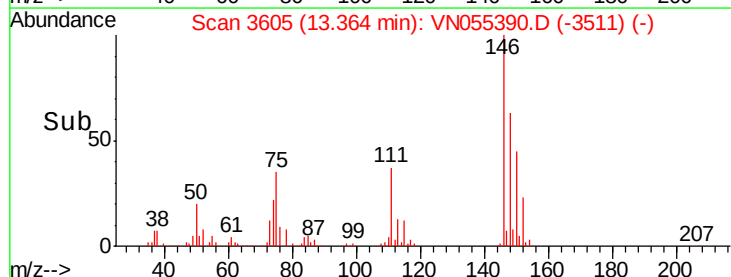
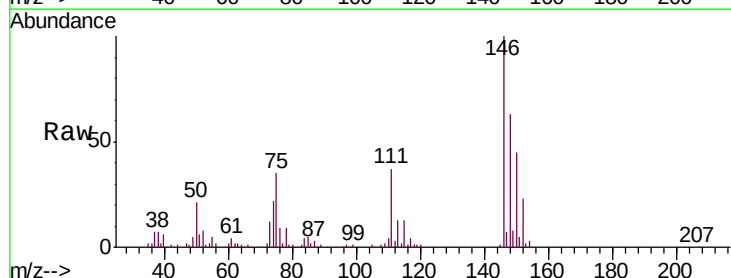
RT: 13.36 min Scan# 3605

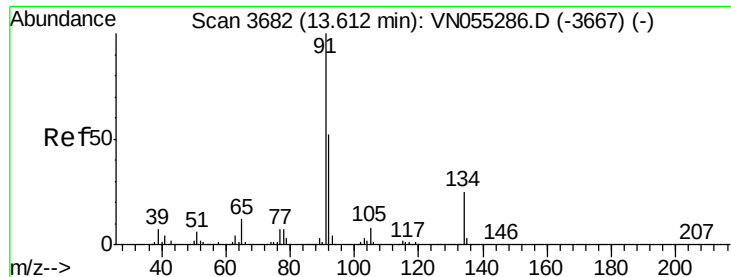
Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Tgt Ion:	146	Resp:	123566
Ion Ratio	Lower	Upper	
146	100		
111	40.8	19.5	58.5
148	64.1	32.5	97.4





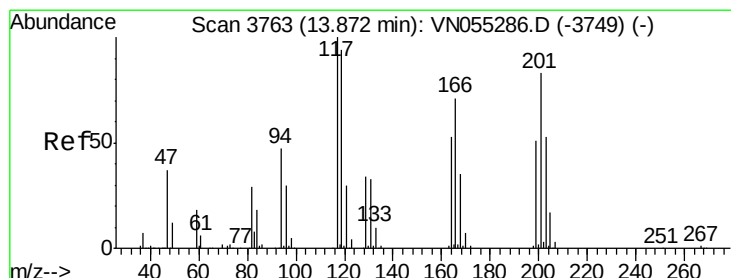
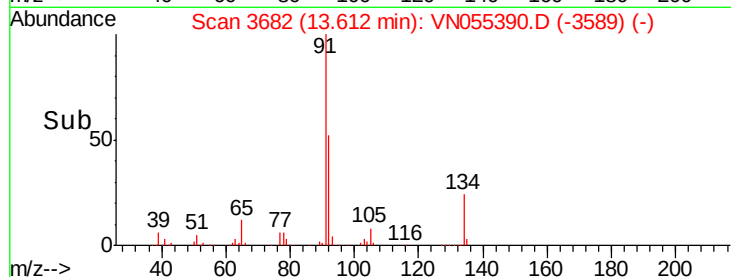
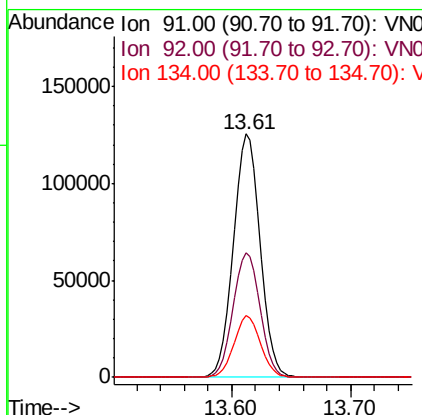
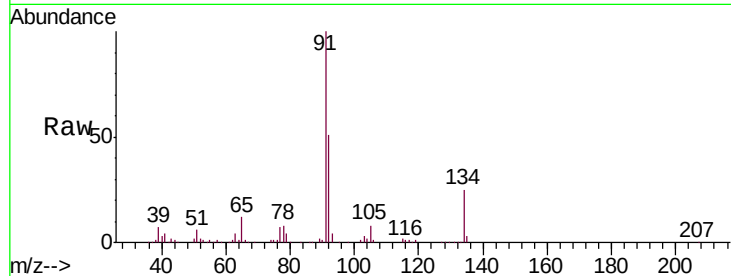
#89
n-Butylbenzene
Concen: 19.305 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Instrument :
MSVOA_N
ClientSampled :
VN0503WBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.1	78.3
134	25.2	12.4	37.4

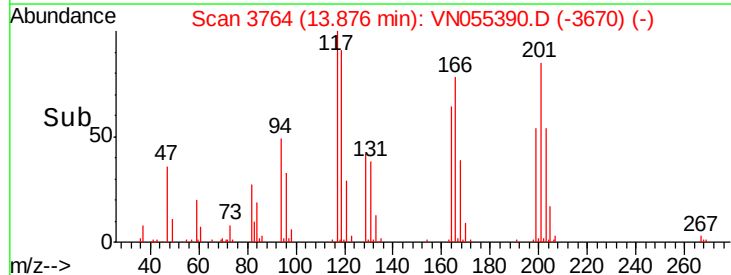
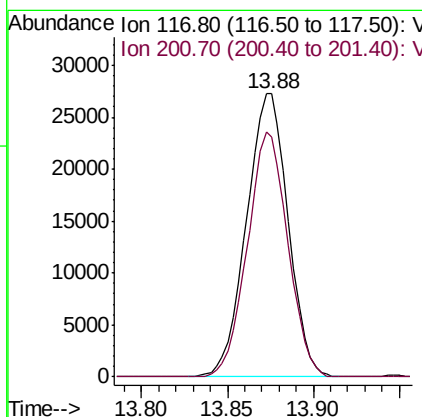
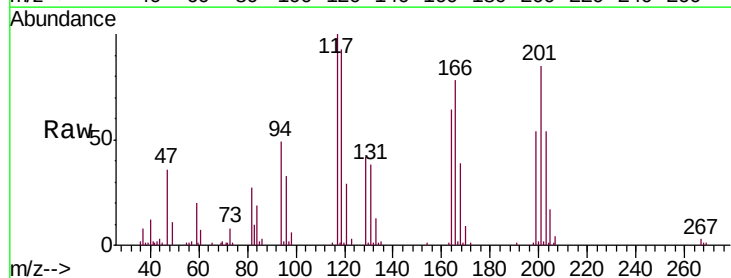
Manual Integrations
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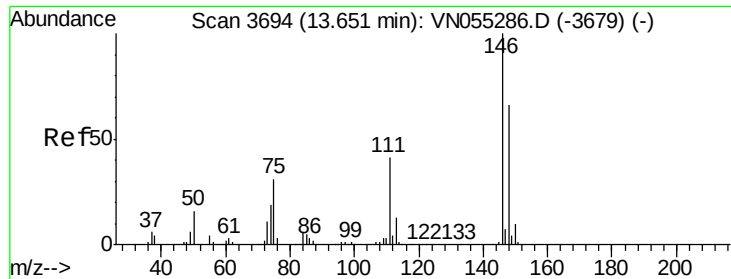
MMDadoda
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#90
Hexachloroethane
Concen: 19.334 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN055390.D
Acq: 3 May 2019 15:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.6	41.9	125.8





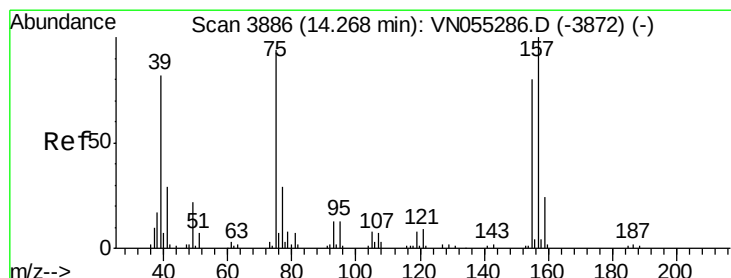
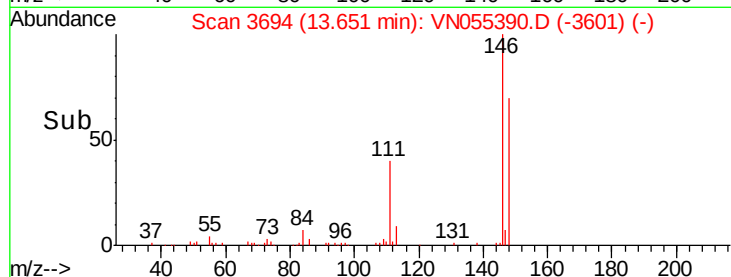
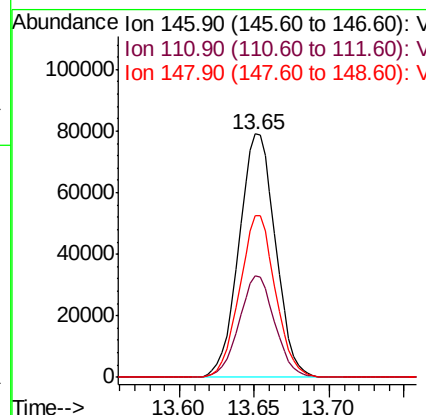
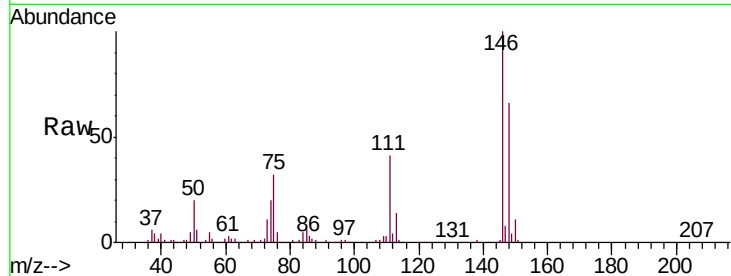
#91
 1,2-Dichlorobenzene
 Concen: 19.847 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0503WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.3	61.0
148	65.2	32.4	97.2

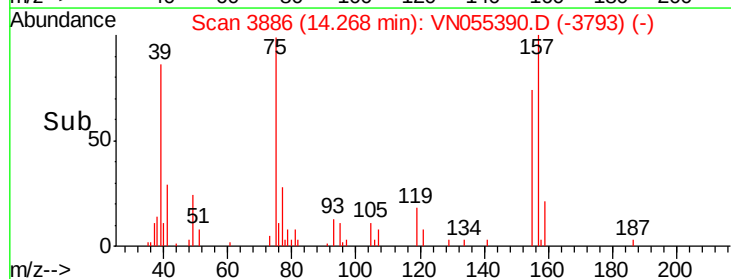
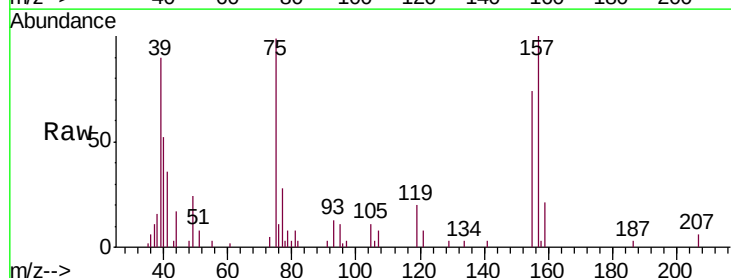
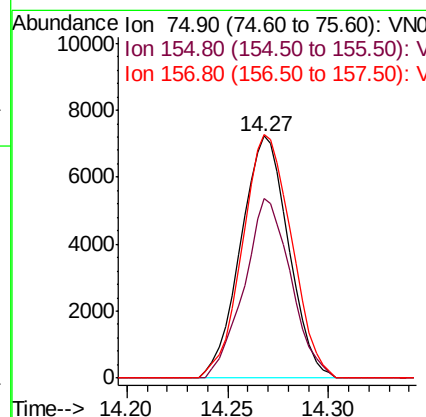
Manual Integrations
 APPROVED

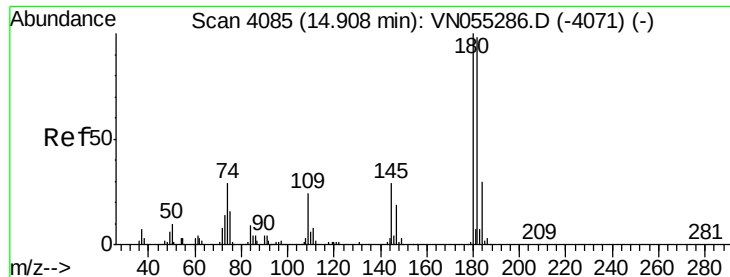
MMDadoda
 5/6/2019 10:47:26 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.456 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.4	41.5	124.6
157	102.8	54.0	162.2





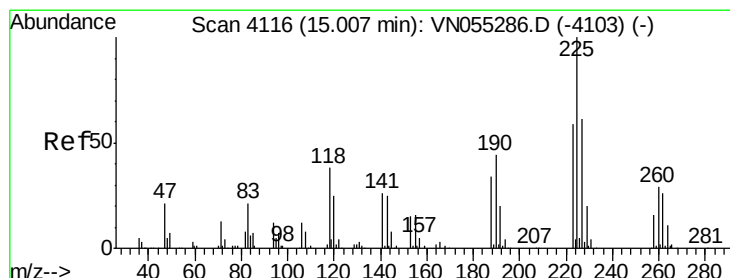
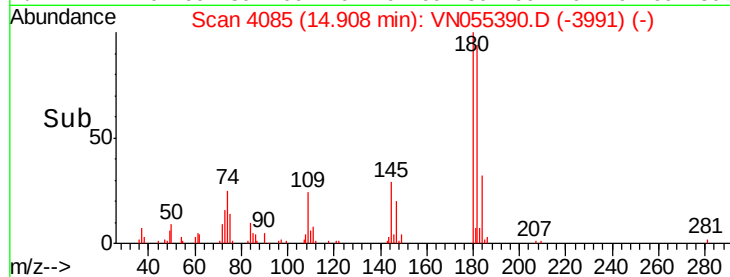
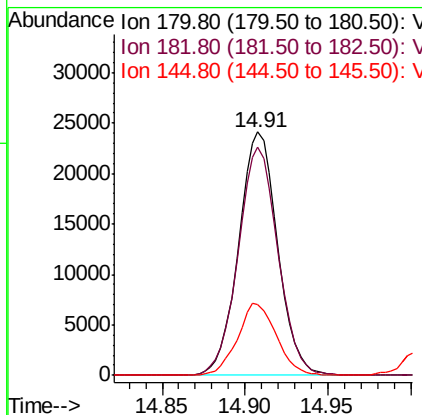
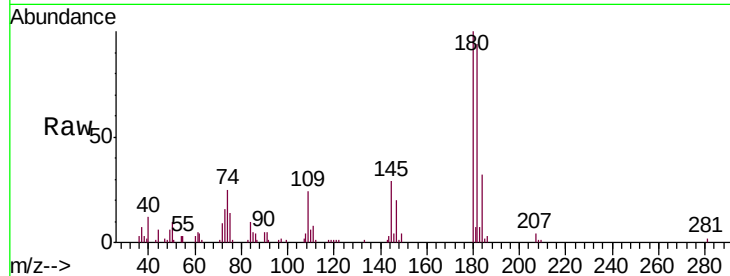
#93
 1,2,4-Trichlorobenzene
 Concen: 17.112 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	39322		
182	95.7	48.3	144.9	
145	29.5	14.2	42.6	

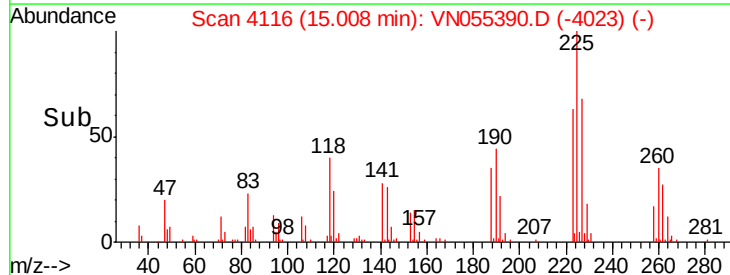
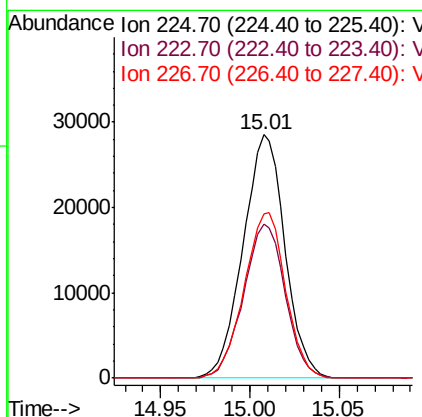
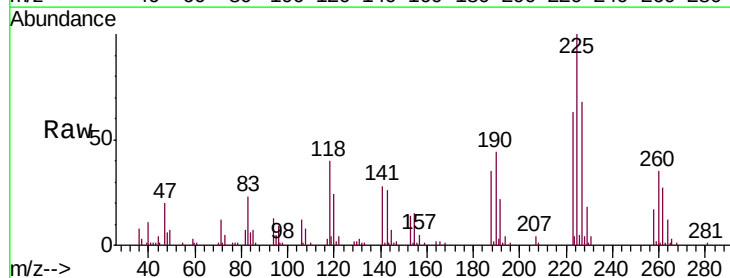
Manual Integrations
 APPROVED

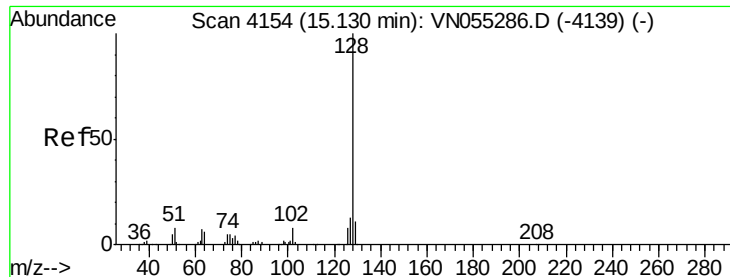
MMDadoda
 5/6/2019 10:47:26 AM



#94
 Hexachlorobutadiene
 Concen: 21.423 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055390.D
 Acq: 3 May 2019 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46751		
223	63.1	30.3	90.8	
227	67.3	30.9	92.7	





#95

Naphthalene

Concen: 16.731 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Instrument :

MSVOA_N

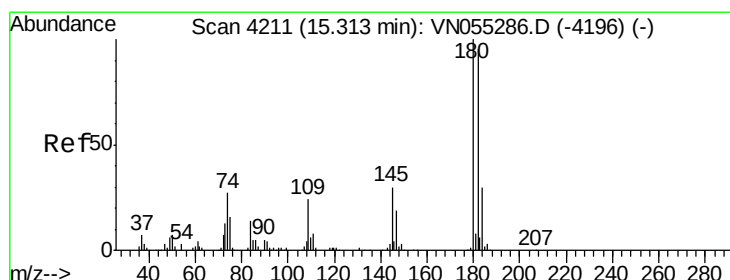
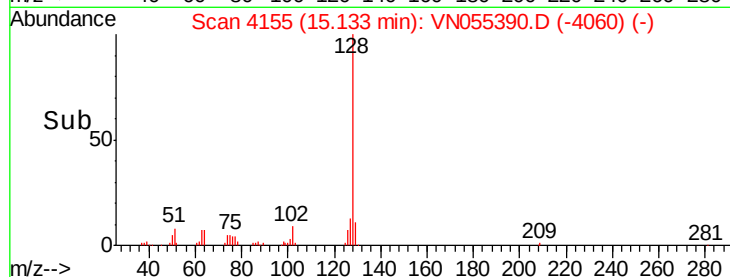
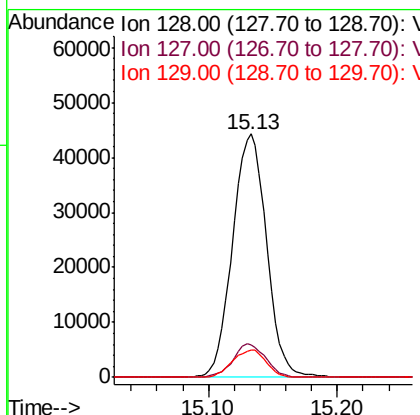
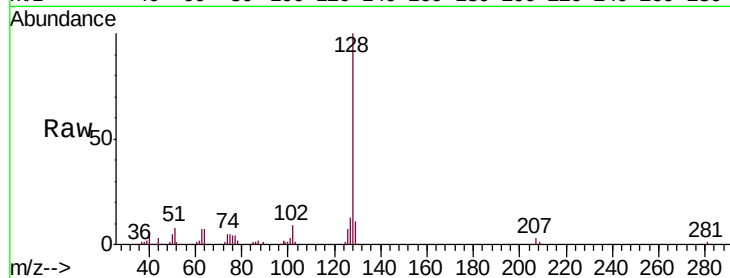
ClientSampleId :

VN0503WBSD01

Tgt Ion:	128	Resp:	81205
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.7	16.1
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/6/2019 10:47:26 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.609 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055390.D

Acq: 3 May 2019 15:22

Tgt Ion:	180	Resp:	44222
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.3	144.9
145	29.1	15.2	45.6

