

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055035.D
 Acq On : 15 Apr 2019 9:50
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 1:48:49 PM

Quant Time: Apr 15 12:14:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 11:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	416516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	668986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	561510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	196019	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	28225	5.40	ug/l	0.00
Spiked Amount			Recovery	=	10.80%	
35) Dibromofluoromethane	7.59	113	23024	5.40	ug/l	0.00
Spiked Amount			Recovery	=	10.80%	
50) Toluene-d8	10.09	98	77218	4.93	ug/l	0.00
Spiked Amount			Recovery	=	9.86%	
62) 4-Bromofluorobenzene	12.40	95	23664	4.49	ug/l	0.00
Spiked Amount			Recovery	=	8.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	23346	5.082	ug/l	96
3) Chloromethane	2.06	50	30422	4.938	ug/l	97
4) Vinyl Chloride	2.19	62	26519	5.304	ug/l	96
5) Bromomethane	2.55	94	15296	5.285	ug/l	95
6) Chloroethane	2.70	64	13834	5.018	ug/l	92
7) Trichlorofluoromethane	3.02	101	32584	5.196	ug/l	95
8) Diethyl Ether	3.41	74	10419	5.283	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	17665	5.401	ug/l #	69
10) Methyl Iodide	3.94	142	23574	4.997	ug/l	98
11) Tert butyl alcohol	4.82	59	7737	24.055	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	17247	5.356	ug/l	94
13) Acrolein	3.60	56	11420	29.415	ug/l	93
14) Allyl chloride	4.31	41	38873	4.940	ug/l	98
15) Acrylonitrile	4.99	53	44260	24.949	ug/l	99
16) Acetone	3.82	43	38406	26.747	ug/l	98
17) Carbon Disulfide	4.04	76	51500	4.910	ug/l	98
18) Methyl Acetate	4.33	43	22605	5.079	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	55910	4.859	ug/l	97
20) Methylene Chloride	4.54	84	26834	5.100	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	22752	5.363	ug/l	93
22) Diisopropyl ether	5.95	45	81049	5.080	ug/l	90
23) Vinyl Acetate	5.90	43	248783	22.296	ug/l	100
24) 1,1-Dichloroethane	5.84	63	44598	5.176	ug/l	98
25) 2-Butanone	6.85	43	53771	24.314	ug/l	97
26) 2,2-Dichloropropane	6.82	77	27947	4.903	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	24725	5.017	ug/l	98
28) Bromochloromethane	7.19	49	21534	5.268	ug/l	98
29) Tetrahydrofuran	7.22	42	32975	22.745	ug/l	96
30) Chloroform	7.37	83	42902	5.221	ug/l	96
31) Cyclohexane	7.65	56	46222	4.875	ug/l #	84
32) 1,1,1-Trichloroethane	7.57	97	33679	5.145	ug/l	98
36) 1,1-Dichloropropene	7.79	75	29728	4.808	ug/l	99
37) Ethyl Acetate	6.94	43	22354	4.816	ug/l #	80
38) Carbon Tetrachloride	7.77	117	29313	5.037	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	34924	4.934	ug/l	96
40) Benzene	8.04	78	96292	5.151	ug/l	97
41) Methacrylonitrile	7.18	41	13669	4.786	ug/l #	81
42) 1,2-Dichloroethane	8.12	62	31730	4.825	ug/l	99
43) Isopropyl Acetate	8.17	43	36968	4.658	ug/l	99
44) Trichloroethene	8.83	130	24071	5.039	ug/l	90
45) 1,2-Dichloropropane	9.12	63	25658	4.864	ug/l	90
46) Dibromomethane	9.21	93	14974	4.954	ug/l	98
47) Bromodichloromethane	9.40	83	29802	4.849	ug/l	94
48) Methyl methacrylate	9.20	41	17797	4.353	ug/l	97
49) 1,4-Dioxane	9.20	88	3880	88.243	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	105554	22.714	ug/l	98
52) Toluene	10.15	92	54100	4.894	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	23790	4.274	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	30990	4.520	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	20667	5.018	ug/l	95
56) Ethyl methacrylate	10.43	69	22898	4.321	ug/l	94
57) 1,3-Dichloropropane	10.71	76	34972	4.923	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	40515	19.540	ug/l	95
59) 2-Hexanone	10.75	43	64209	22.111	ug/l	98
60) Dibromochloromethane	10.90	129	18506	4.515	ug/l	100
61) 1,2-Dibromoethane	11.00	107	18178	4.610	ug/l	98
64) Tetrachloroethene	10.63	164	23096	5.258	ug/l	97
65) Chlorobenzene	11.43	112	56267	5.197	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	20561	5.153	ug/l	95
67) Ethyl Benzene	11.51	91	102995	5.179	ug/l	98
68) m/p-Xylenes	11.62	106	71961	9.890	ug/l	99
69) o-Xylene	11.95	106	34944	4.854	ug/l	97
70) Styrene	11.96	104	53444	4.682	ug/l	97
71) Bromoform	12.13	173	10580	4.389	ug/l #	93
73) Isopropylbenzene	12.25	105	94496	5.670	ug/l	99
74) N-amyl acetate	12.07	43	23636	4.705	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	24433	5.662	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	17888m	4.960	ug/l	
77) Bromobenzene	12.53	156	23147	5.654	ug/l	97
78) n-propylbenzene	12.59	91	96788	5.330	ug/l	99
79) 2-Chlorotoluene	12.67	91	63321	5.645	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	74142	5.465	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	4279	4.897	ug/l	88
82) 4-Chlorotoluene	12.77	91	57593	5.309	ug/l	100
83) tert-Butylbenzene	12.99	119	63495	5.463	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	68921	5.298	ug/l	98
85) sec-Butylbenzene	13.17	105	78780	5.309	ug/l	99
86) p-Isopropyltoluene	13.29	119	65786	5.096	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	33513	5.034	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	31455	4.940	ug/l	95
89) n-Butylbenzene	13.61	91	47095	4.645	ug/l	99
90) Hexachloroethane	13.87	117	10929	5.124	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	33752	5.222	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2873	5.120	ug/l	93

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ClientSampleId :
VSTDICC005

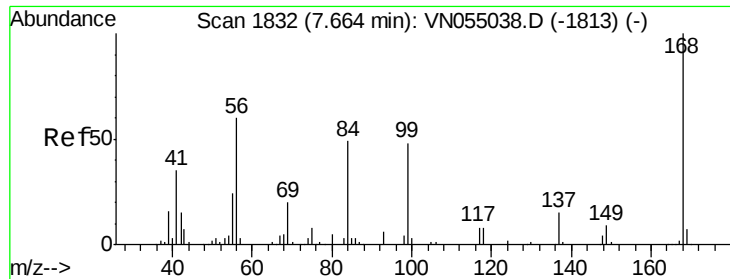
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	10320	3.792	ug/l	92
94) Hexachlorobutadiene	15.01	225	10999	4.883	ug/l	95
95) Naphthalene	15.14	128	20990	3.295	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	10130	3.474	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 416516

Ion Ratio Lower Upper

168 100

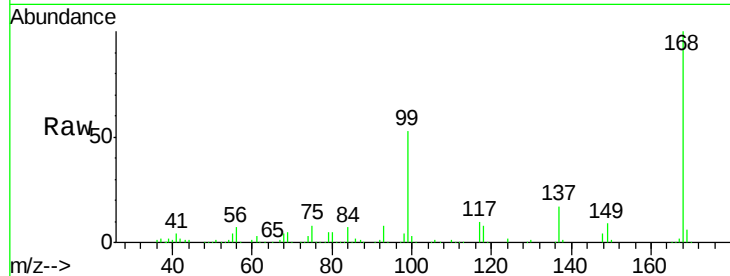
99 52.0 41.9 62.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

100000

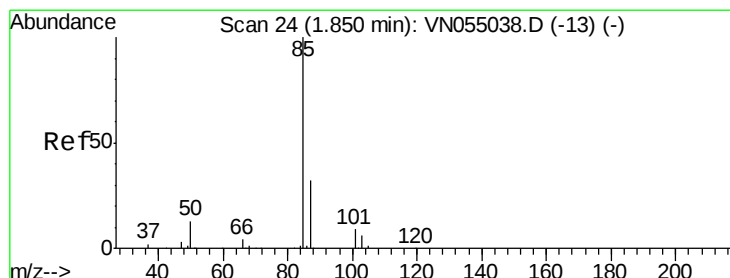
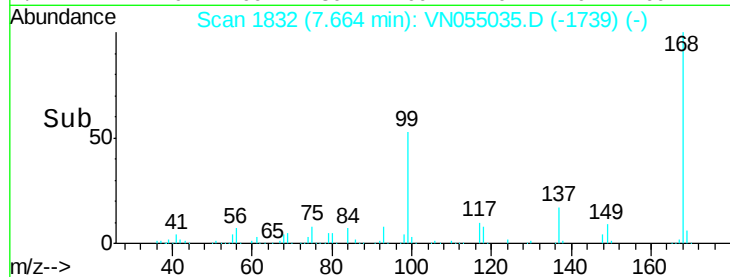
50000

0

7.66

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 5.082 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055035.D

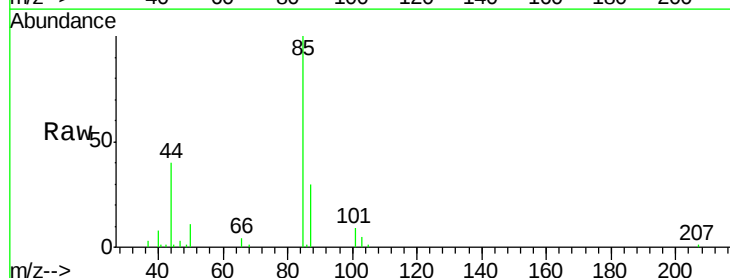
Acq: 15 Apr 2019 9:50

Tgt Ion: 85 Resp: 23346

Ion Ratio Lower Upper

85 100

87 29.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

20000

15000

10000

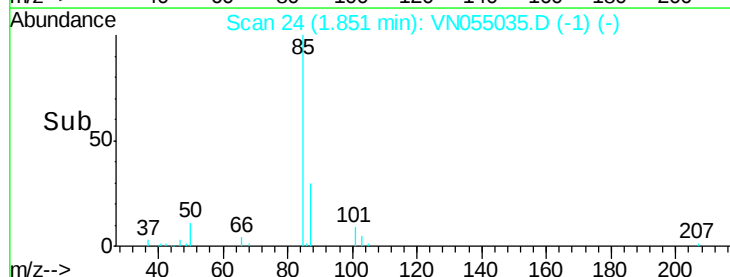
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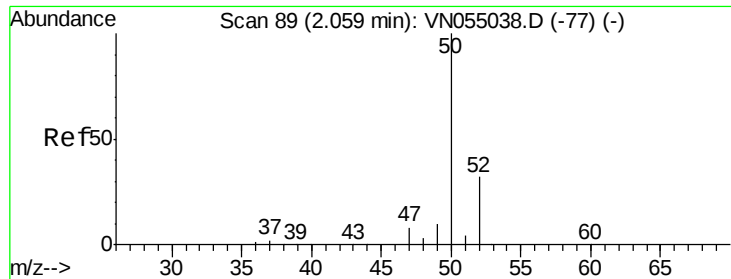
0

1.85

1.90

Time-->





#3

Chloromethane

Concen: 4.938 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 30422

Ion Ratio Lower Upper

50 100

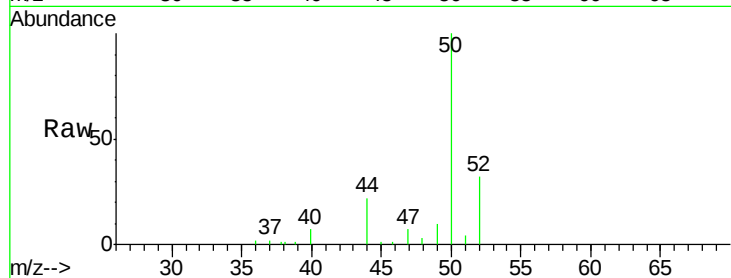
52 31.5 26.6 40.0

Manual Integrations

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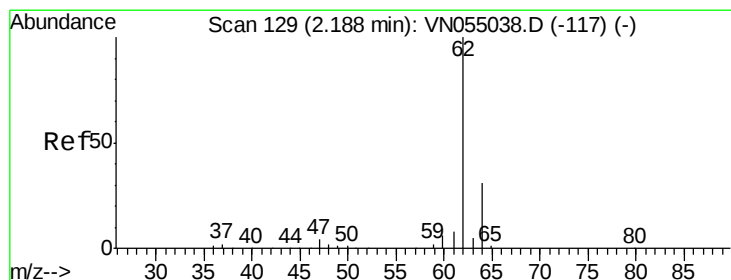
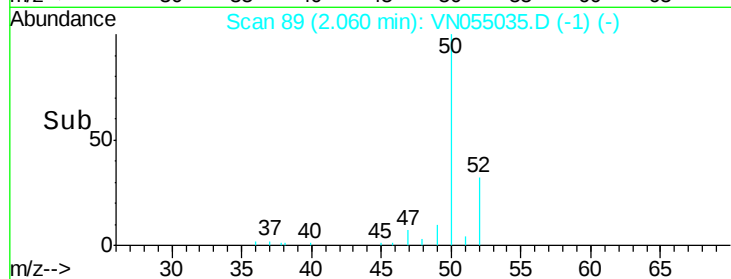
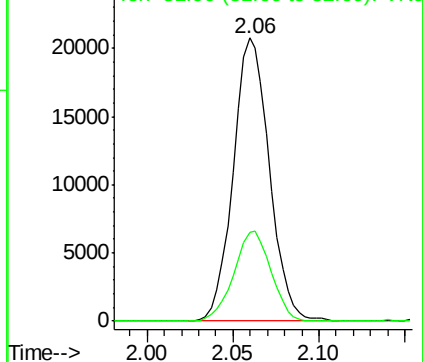
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 5.304 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055035.D

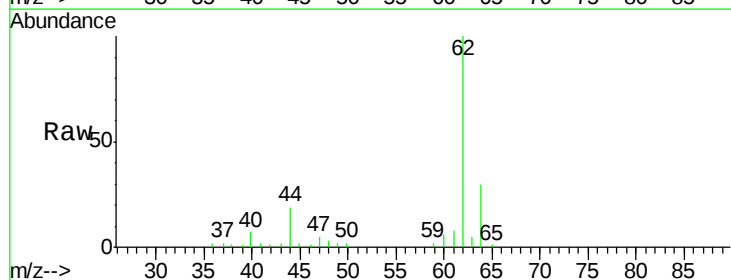
Acq: 15 Apr 2019 9:50

Tgt Ion: 62 Resp: 26519

Ion Ratio Lower Upper

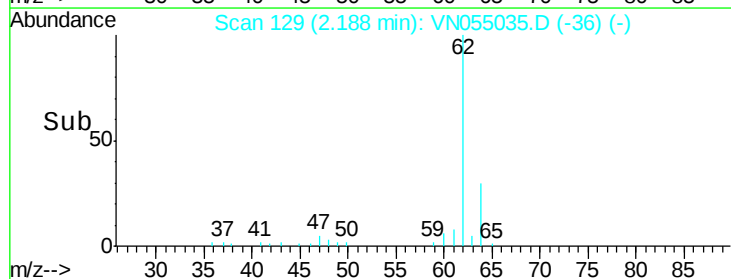
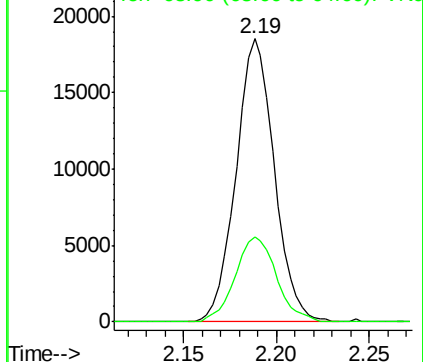
62 100

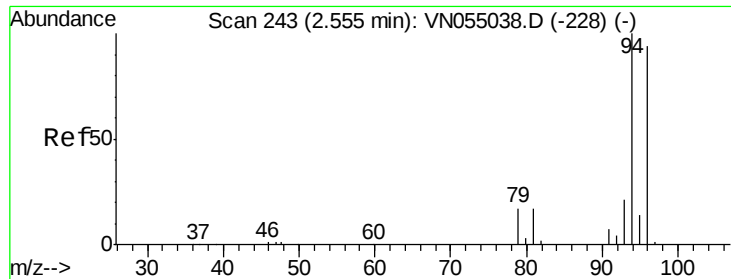
64 30.0 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 5.285 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 15296

Ion Ratio Lower Upper

94 100

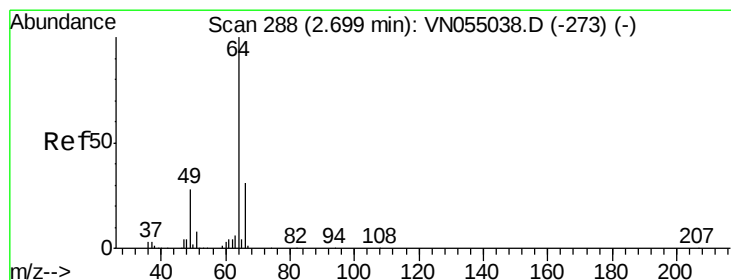
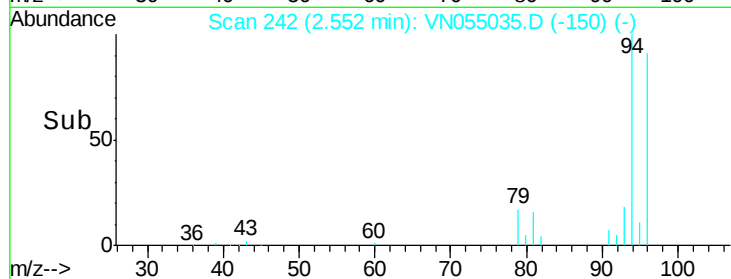
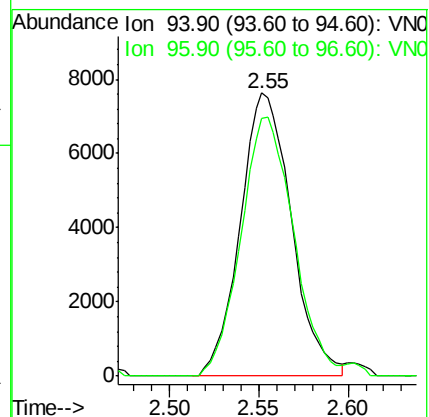
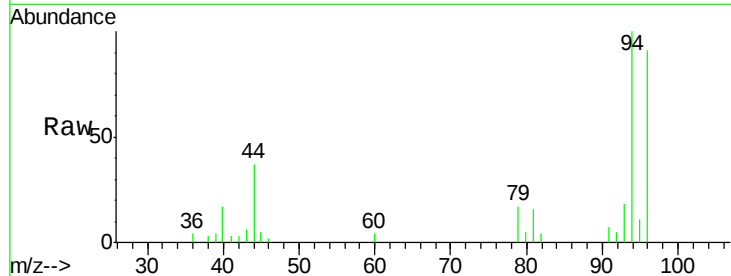
96 90.9 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 5.018 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN055035.D

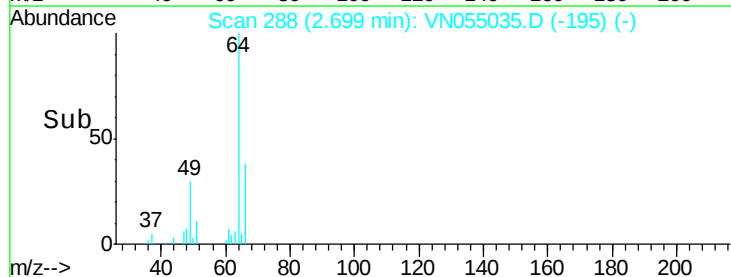
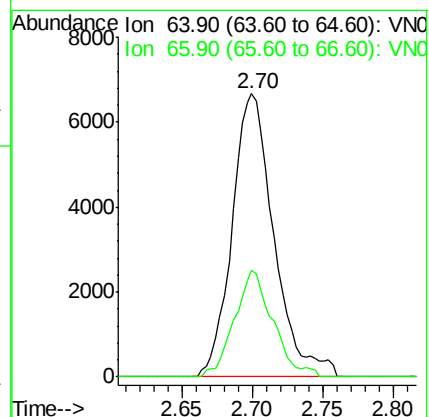
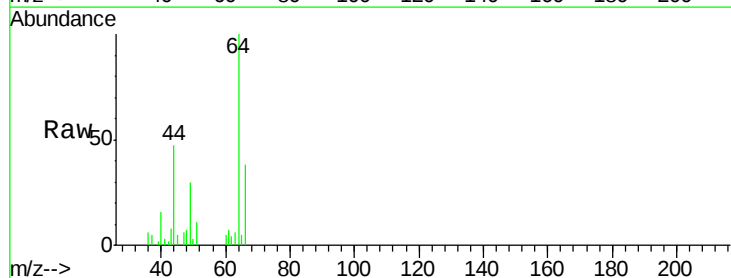
Acq: 15 Apr 2019 9:50

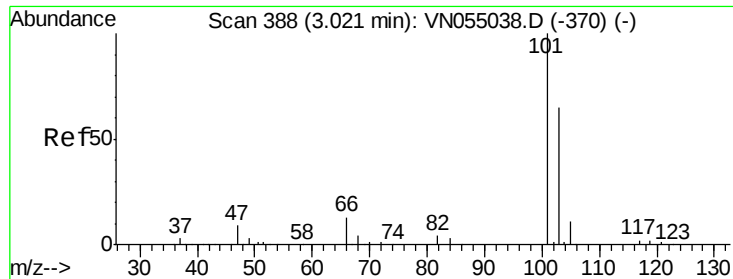
Tgt Ion: 64 Resp: 13834

Ion Ratio Lower Upper

64 100

66 37.7 26.6 40.0





#7

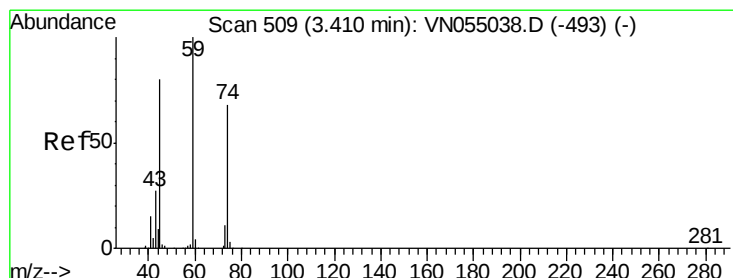
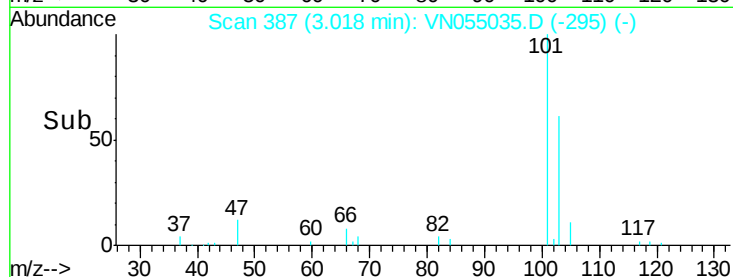
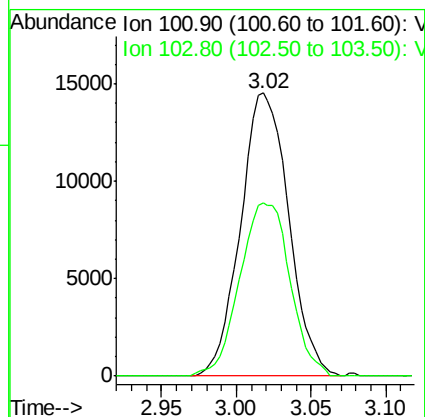
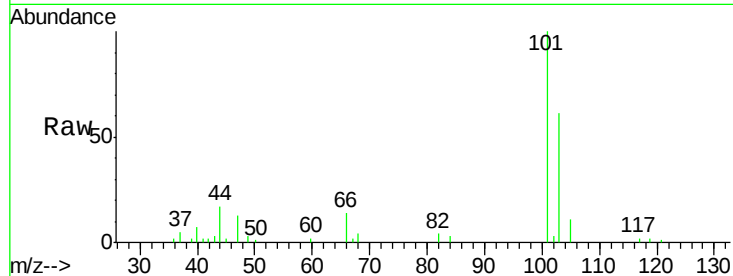
Trichlorofluoromethane
Concen: 5.196 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

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ClientSampleId :
VSTDIC005

Tot Ion:101 Resp: 32584
Ion Ratio Lower Upper
101 100
103 61.3 52.5 78.7

Manual Integrations
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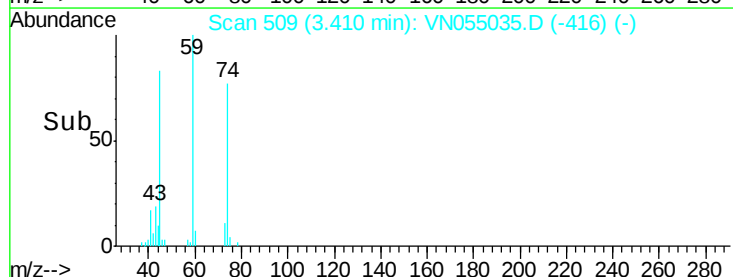
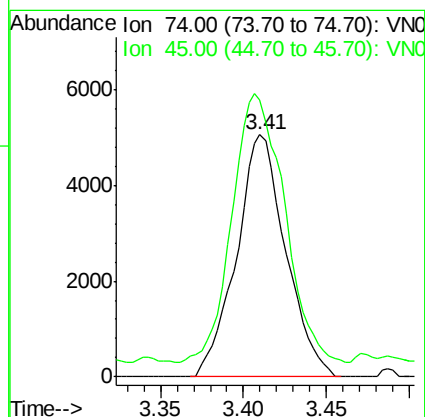
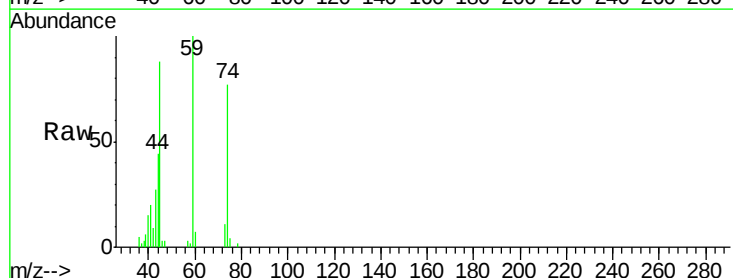
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4/17/2019 1:48:49 PM

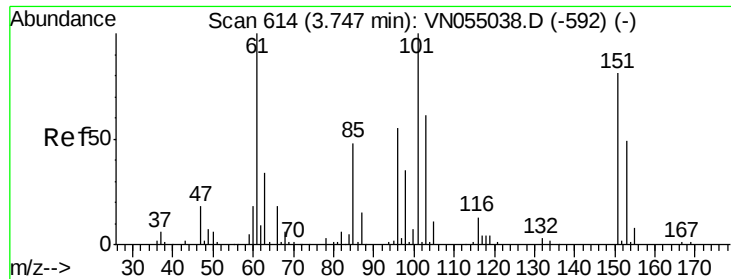


#8

Diethyl Ether
Concen: 5.283 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Tgt Ion: 74 Resp: 10419
Ion Ratio Lower Upper
74 100
45 118.1 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.401 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Instrument :

MSVOA_N

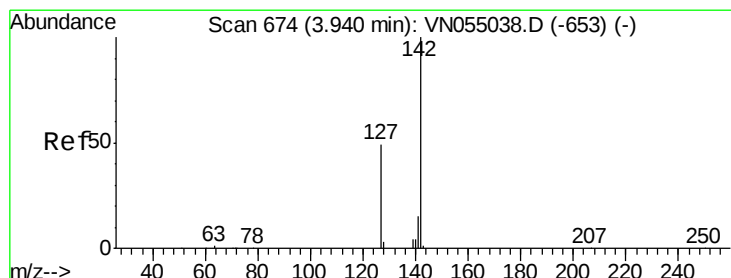
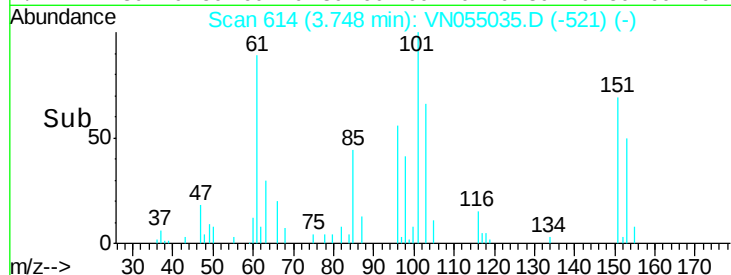
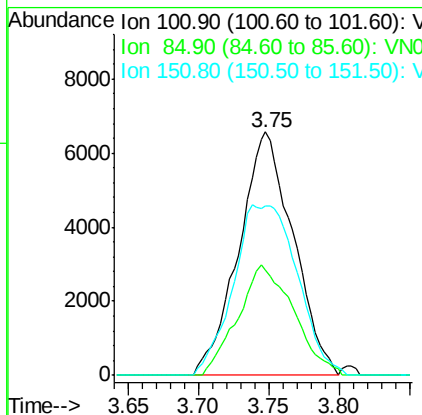
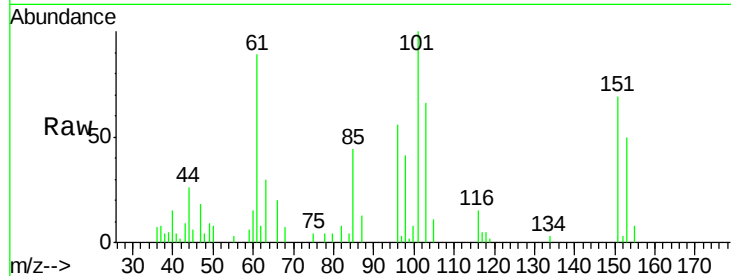
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	17665
Ion Ratio	Lower	Upper	
101	100		
85	46.5	36.9	55.3
151	38.1	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 4.997 ug/l

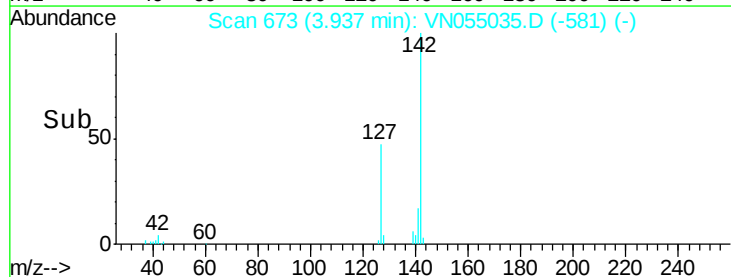
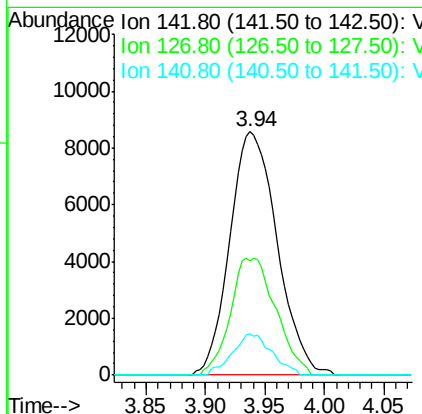
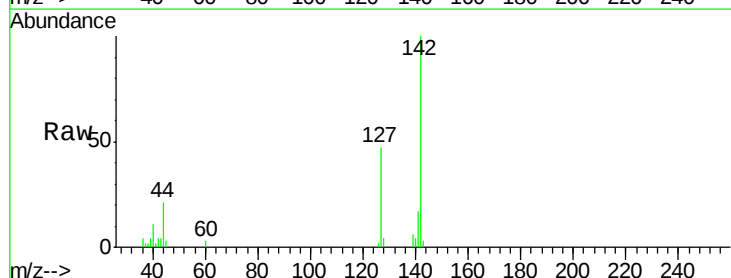
RT: 3.94 min Scan# 673

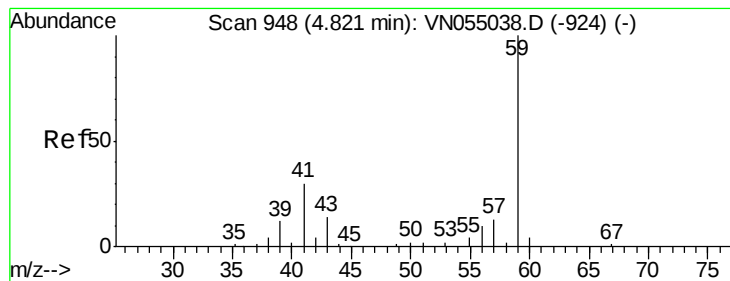
Delta R.T. -0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Tgt Ion:	142	Resp:	23574
Ion Ratio	Lower	Upper	
142	100		
127	46.1	37.9	56.9
141	14.2	11.8	17.8





#11

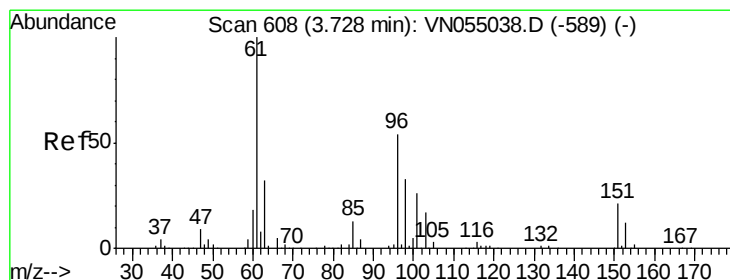
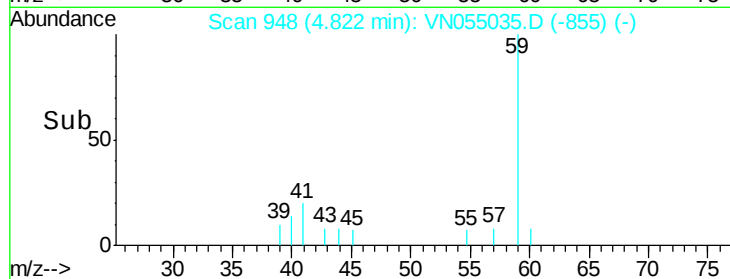
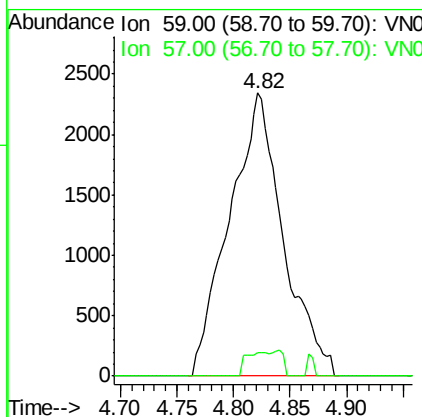
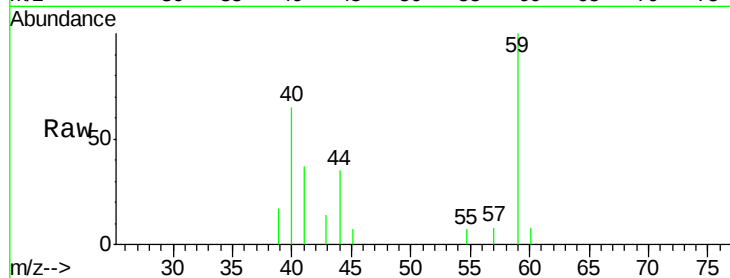
Tert butyl alcohol
 Concen: 24.055 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

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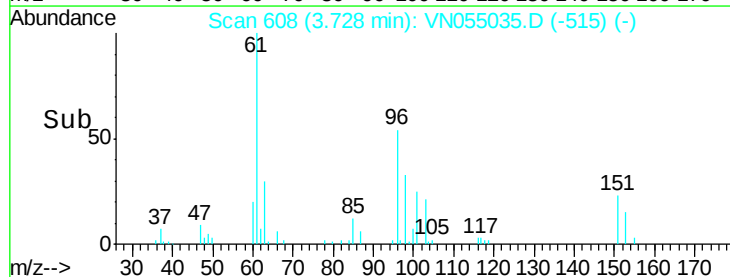
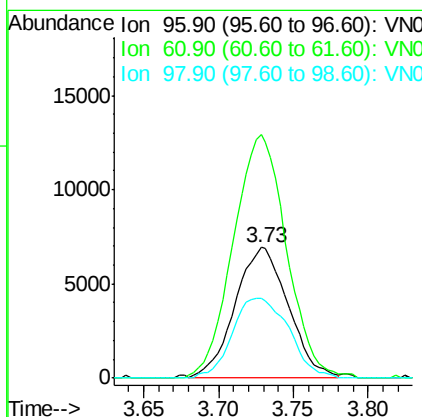
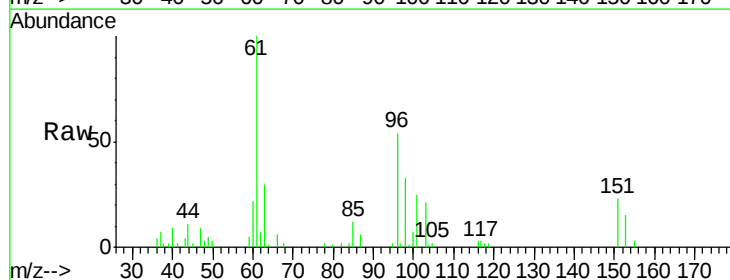
MMDadoda
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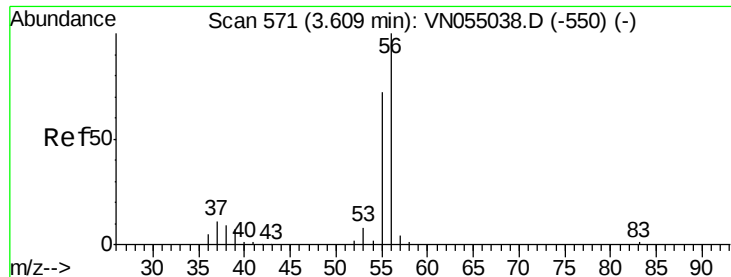


#12

1,1-Dichloroethene
 Concen: 5.356 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.7	154.2	231.4
98	60.8	52.9	79.3





#13

Acrolein

Concen: 29.415 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 56 Resp: 11420

Ion Ratio Lower Upper

56 100

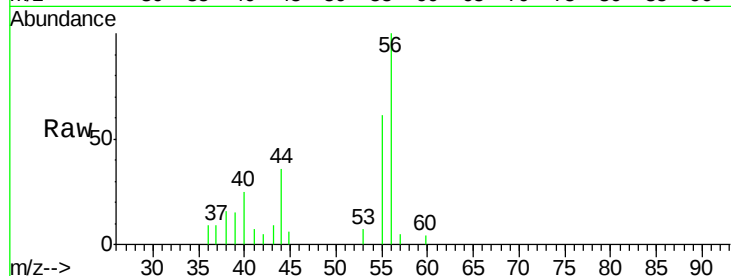
55 68.9 59.5 89.3

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

4000

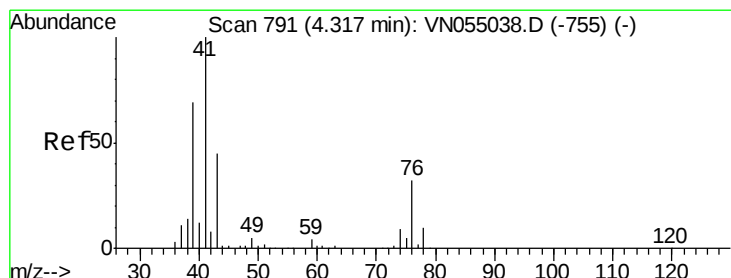
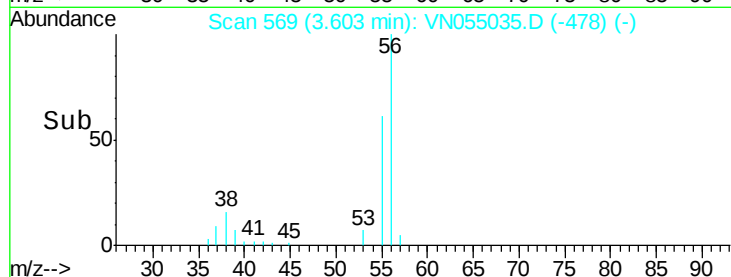
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 4.940 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

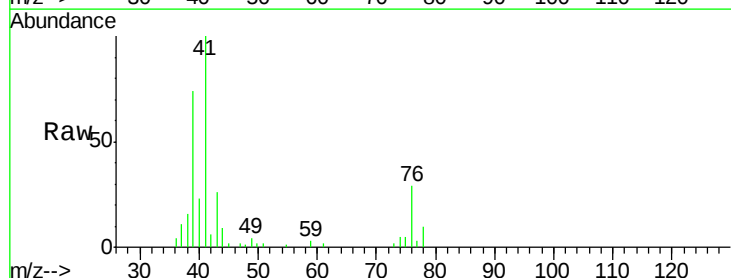
Tgt Ion: 41 Resp: 38873

Ion Ratio Lower Upper

41 100

39 68.2 52.7 79.1

76 29.4 23.2 34.8



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

4.31

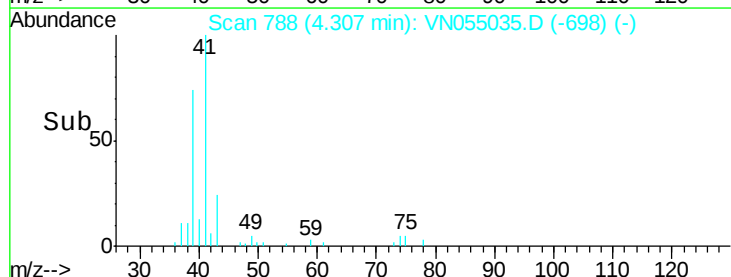
15000

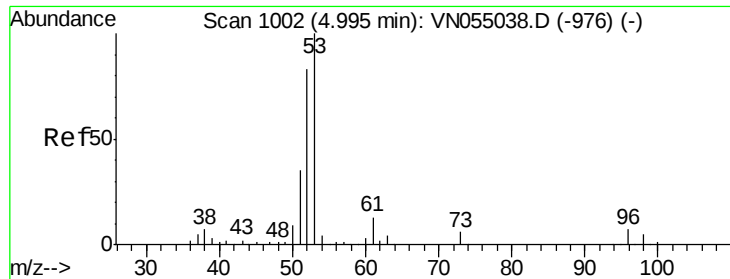
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 24.949 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Instrument :

MSVOA_N

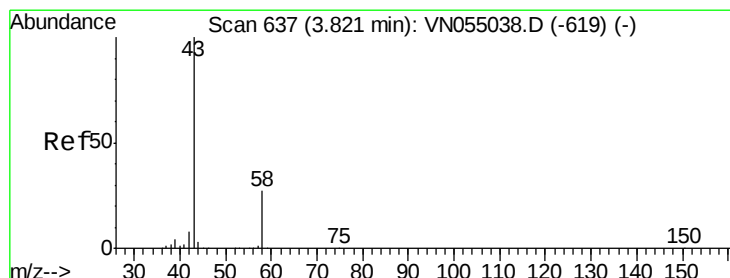
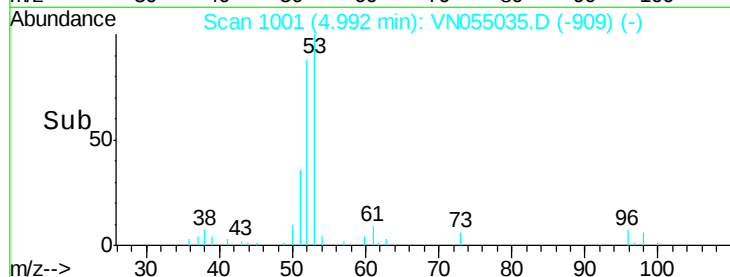
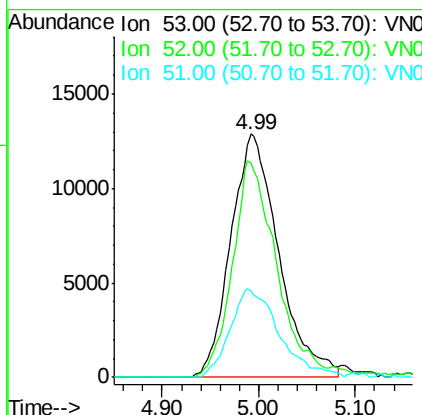
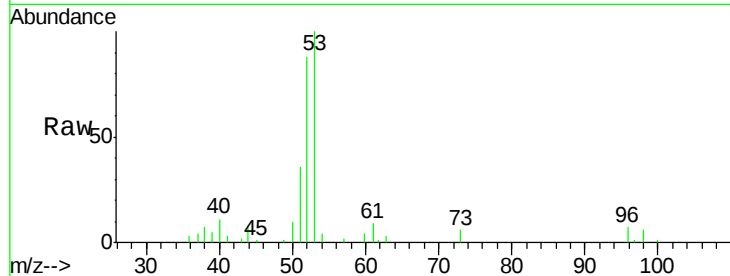
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	44260
Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.9	98.9
51	37.3	29.7	44.5

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#16

Acetone

Concen: 26.747 ug/l

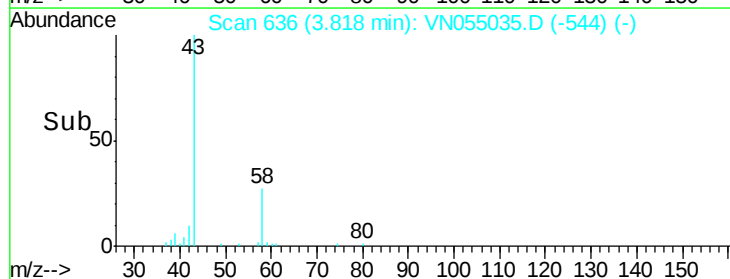
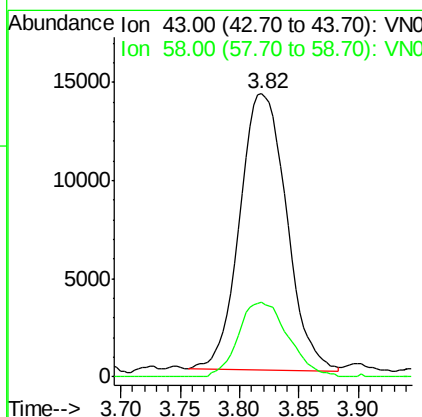
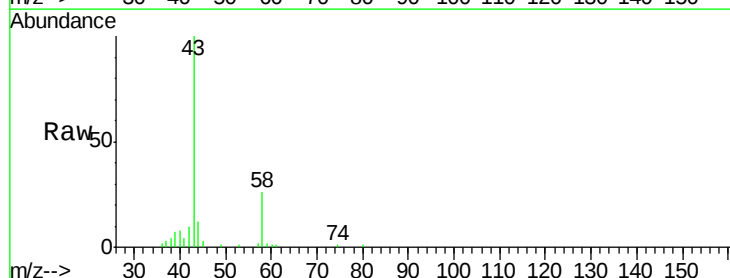
RT: 3.82 min Scan# 636

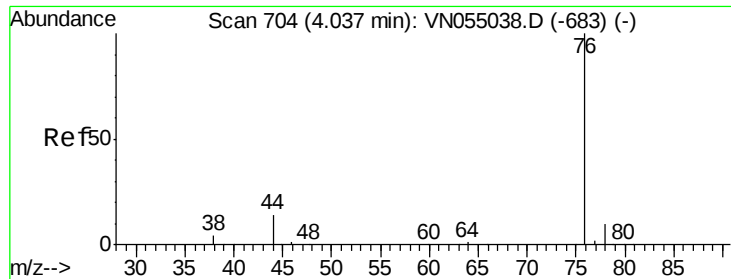
Delta R.T. -0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Tgt Ion:	43	Resp:	38406
Ion	Ratio	Lower	Upper
43	100		
58	27.0	20.9	31.3





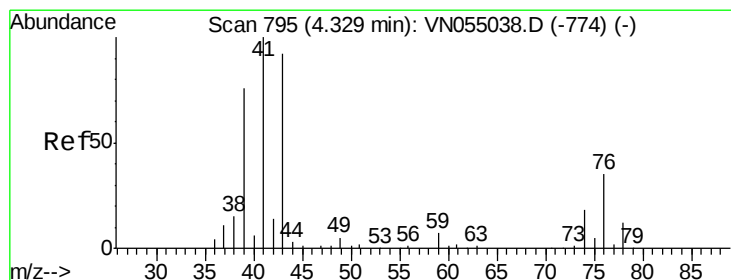
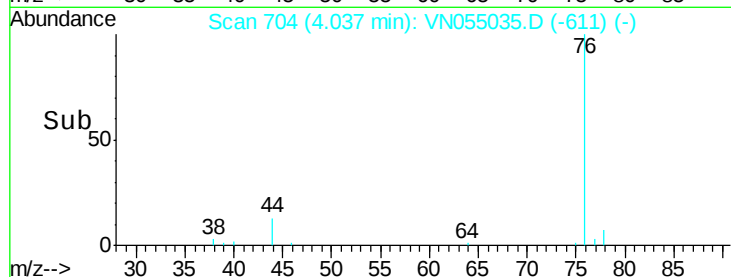
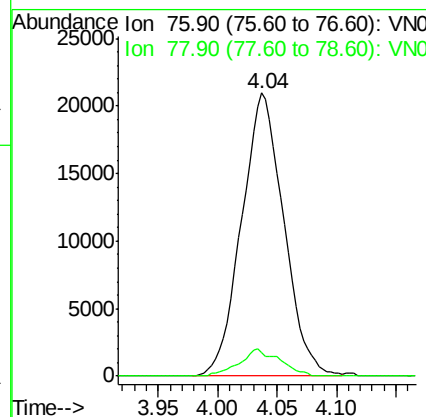
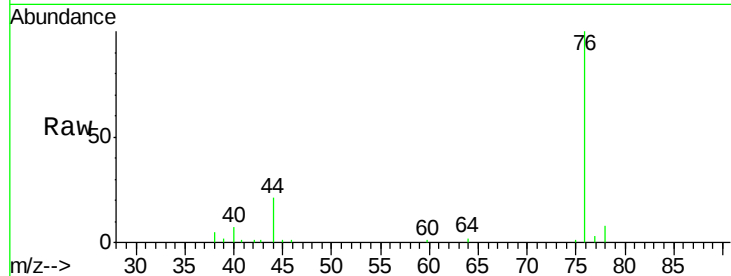
#17
Carbon Disulfide
Concen: 4.910 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.2	10.8

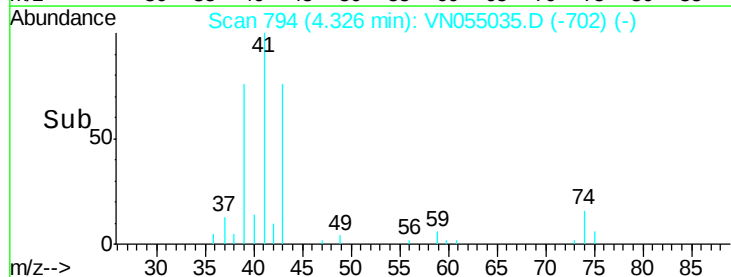
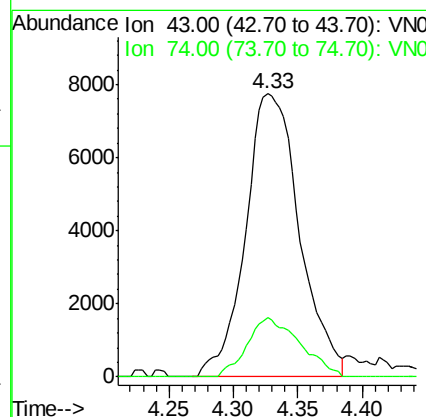
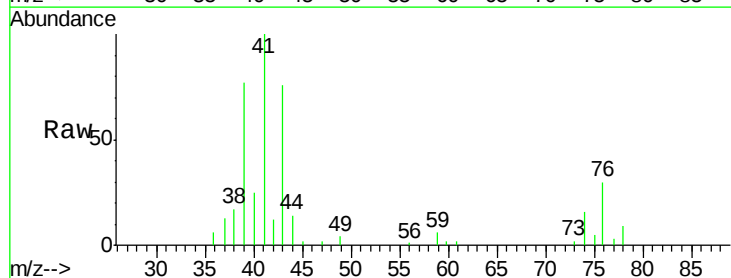
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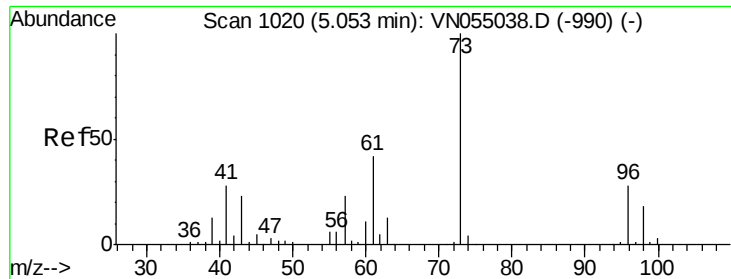
MMDadoda
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#18
Methyl Acetate
Concen: 5.079 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	16.1	24.1





#19

Methyl tert-butyl Ether

Concen: 4.859 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 73 Resp: 55910

Ion Ratio Lower Upper

73 100

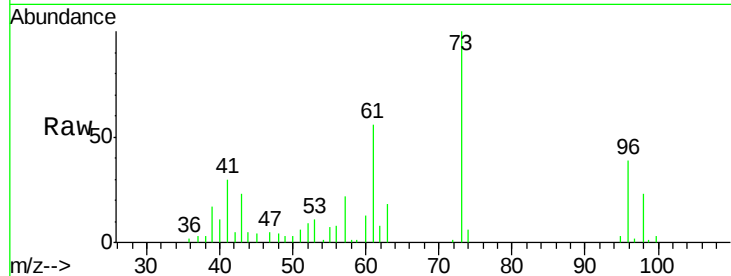
57 22.4 19.0 28.4

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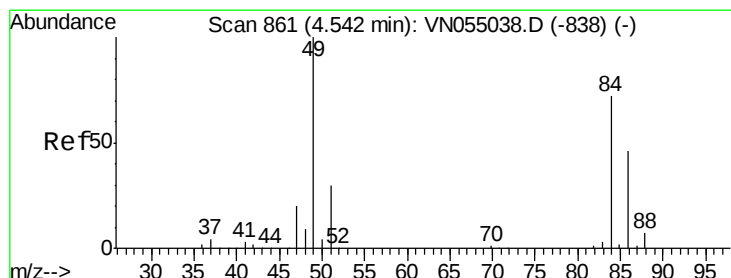
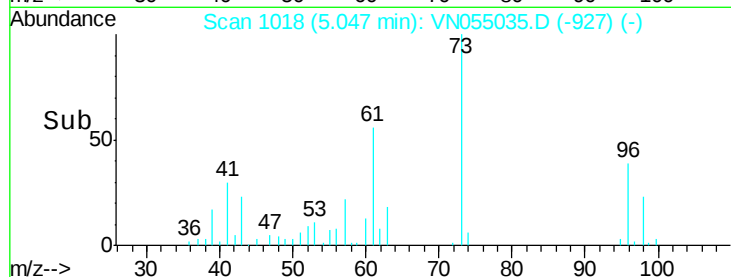
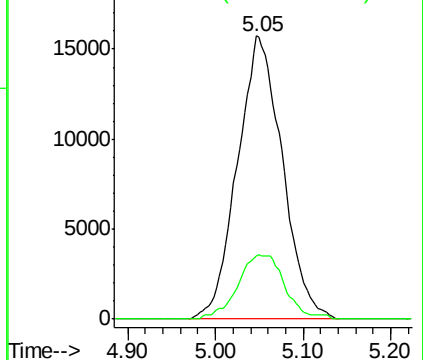
MMDadoda

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Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 5.100 ug/l

RT: 4.54 min Scan# 861

Delta R.T. 0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Tgt Ion: 84 Resp: 26834

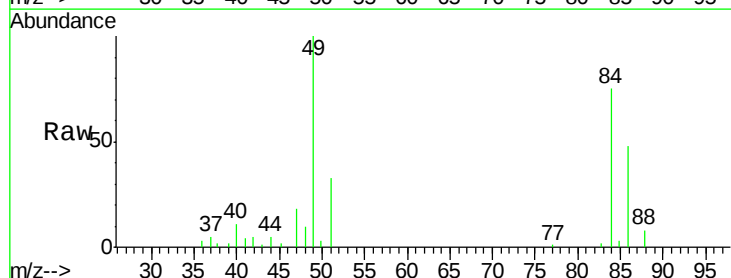
Ion Ratio Lower Upper

84 100

49 130.9 109.4 164.2

51 44.1 32.2 48.4

86 63.9 49.3 73.9

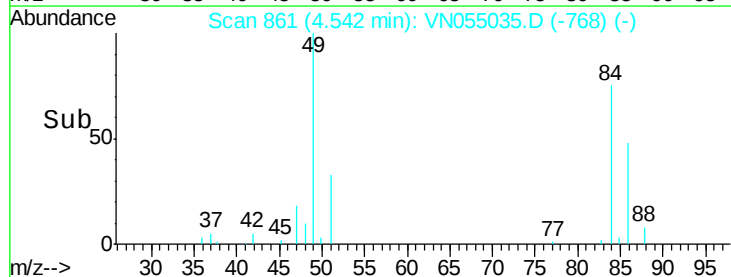
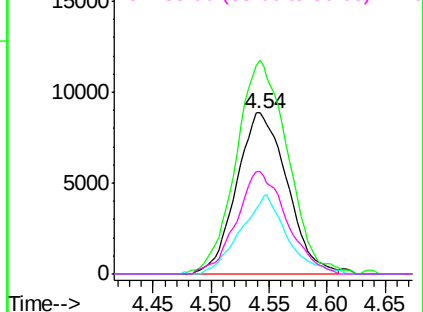


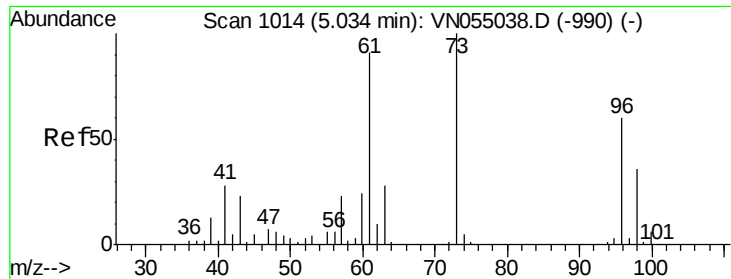
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





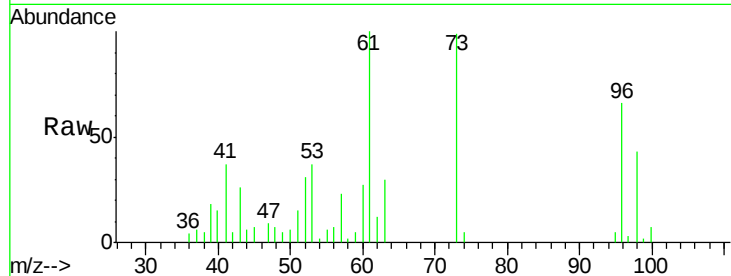
#21
trans-1,2-Dichloroethene
Concen: 5.363 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

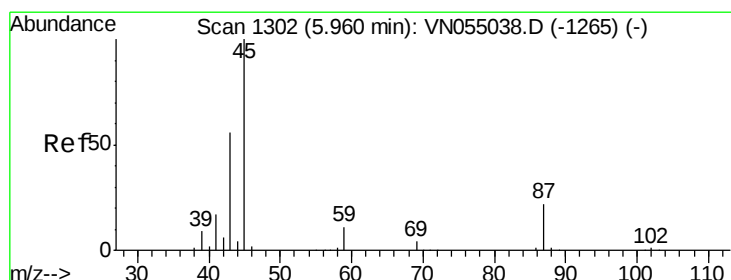
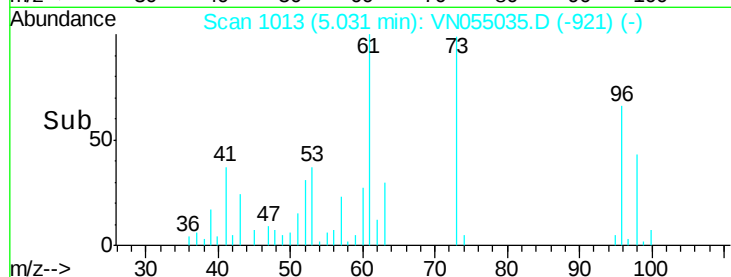
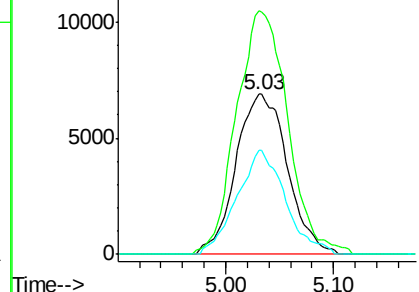
Tot Ion: 96 Resp: 22752
Ion Ratio Lower Upper
96 100
61 152.1 114.9 172.3
98 65.3 48.4 72.6

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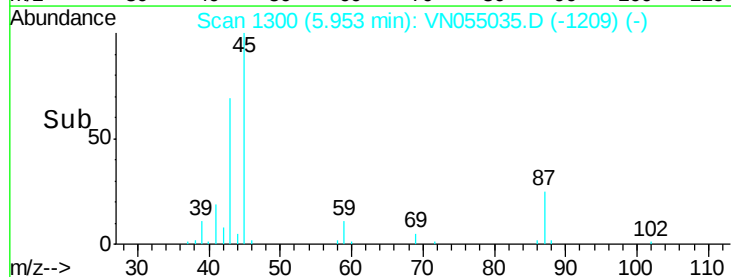
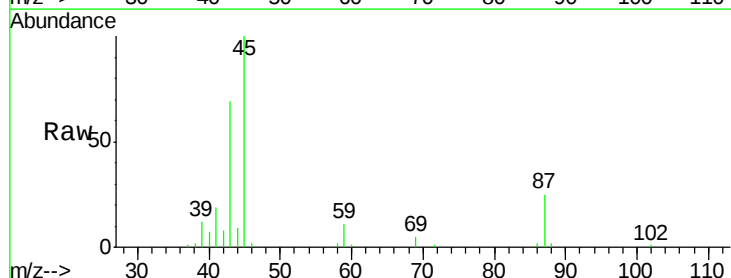
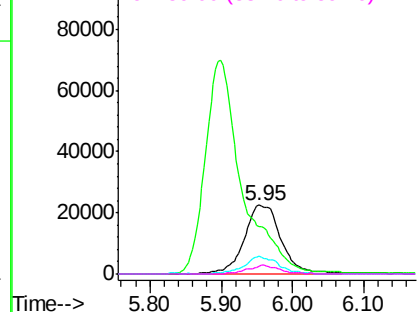
Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

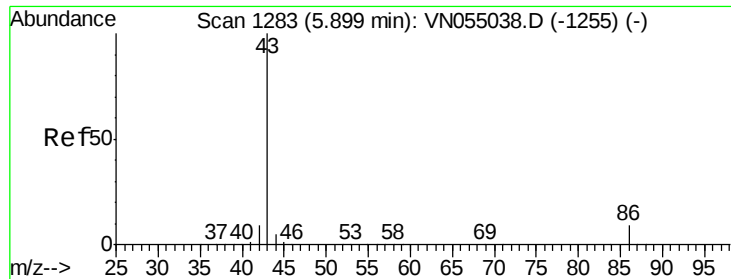


#22
Diisopropyl ether
Concen: 5.080 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.01 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Tgt Ion: 45 Resp: 81049
Ion Ratio Lower Upper
45 100
43 66.1 44.8 67.2
87 25.3 18.9 28.3
59 11.1 7.9 11.9

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 22.296 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 248783

Ion Ratio Lower Upper

43 100

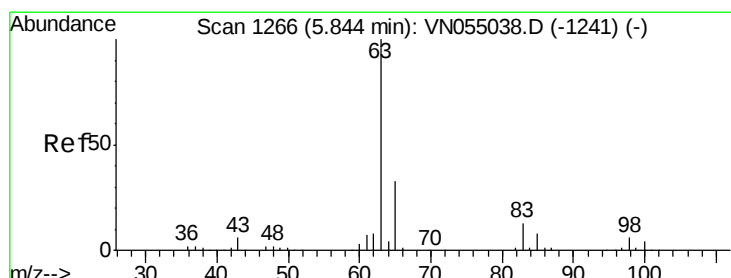
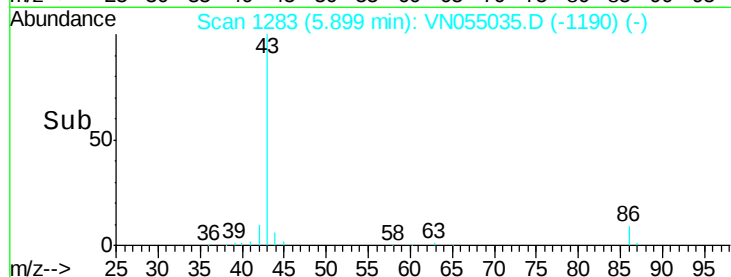
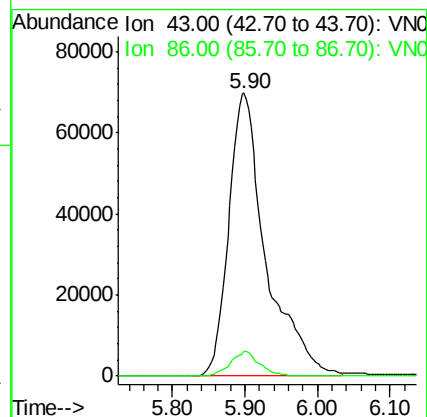
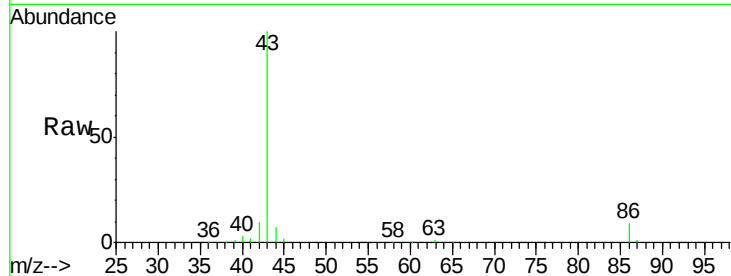
86 8.6 7.0 10.4

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#24

1,1-Dichloroethane

Concen: 5.176 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

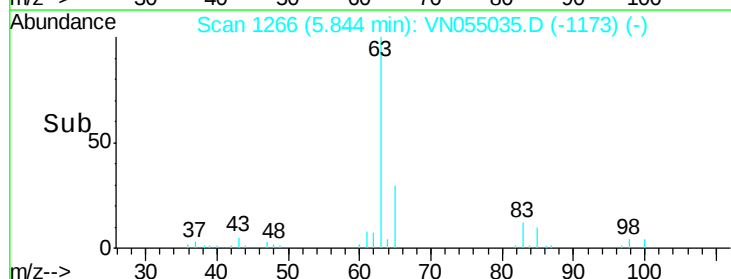
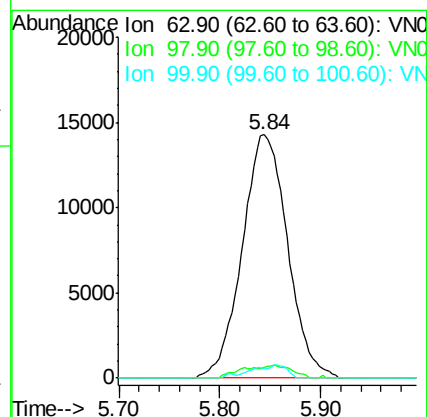
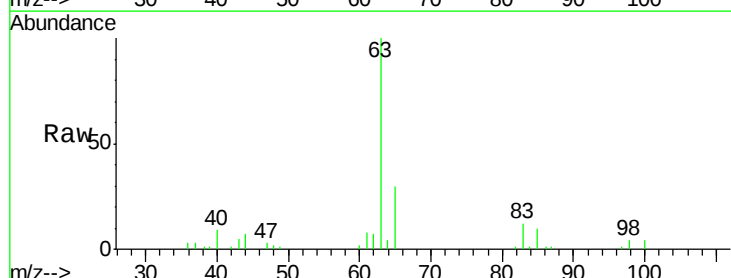
Tgt Ion: 63 Resp: 44598

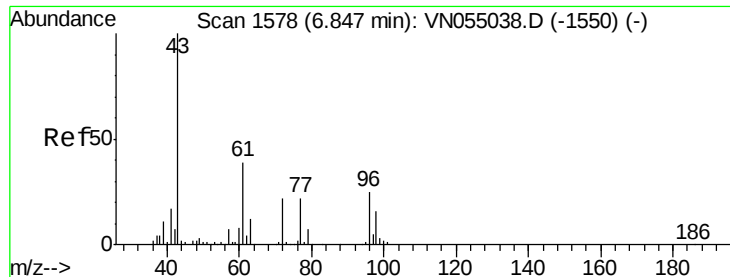
Ion Ratio Lower Upper

63 100

98 4.3 2.8 8.4

100 4.0 2.0 5.8





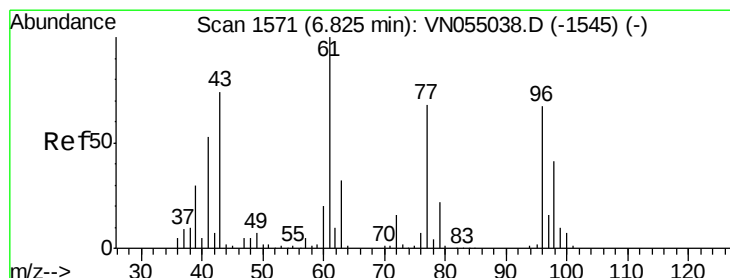
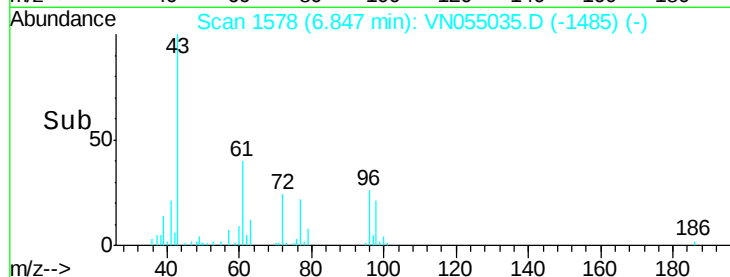
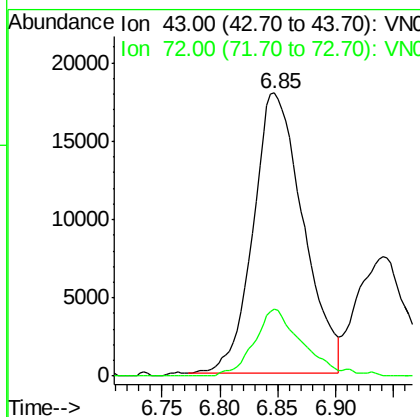
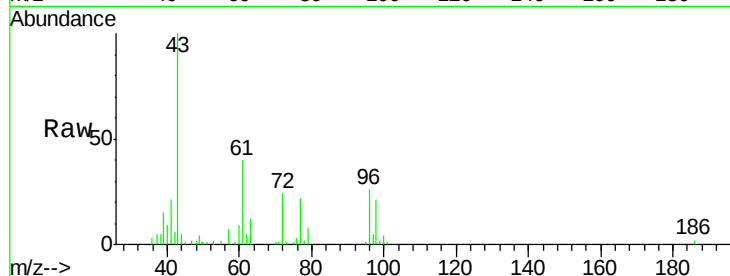
#25
2-Butanone
Concen: 24.314 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 53771
Ion Ratio Lower Upper
43 100
72 23.9 18.1 27.1

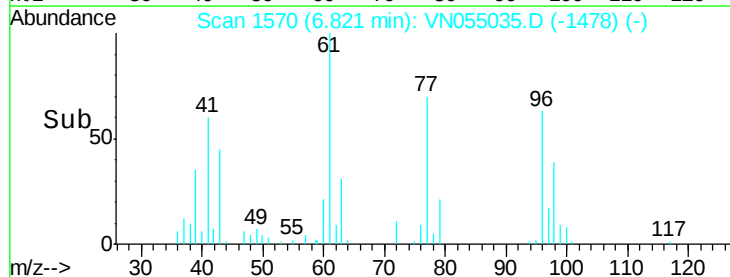
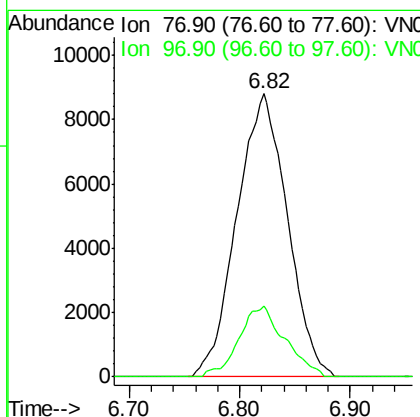
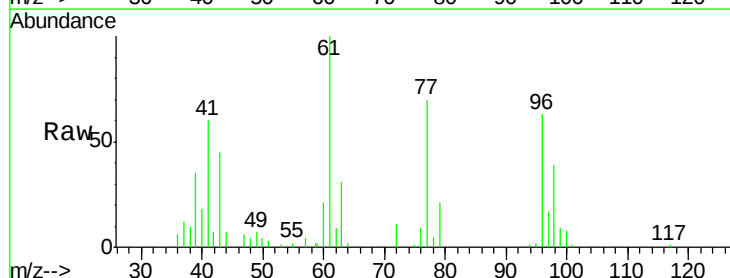
Manual Integrations
APPROVED

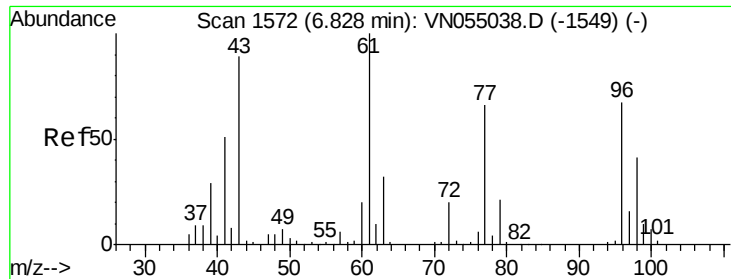
MMDadoda
4/17/2019 1:48:49 PM



#26
2,2-Dichloropropane
Concen: 4.903 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Tgt Ion: 77 Resp: 27947
Ion Ratio Lower Upper
77 100
97 22.6 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 5.017 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Instrument :

MSVOA_N

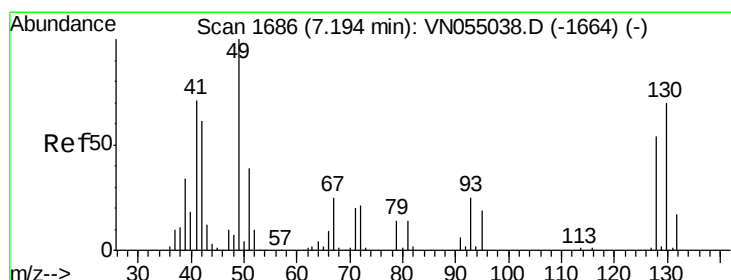
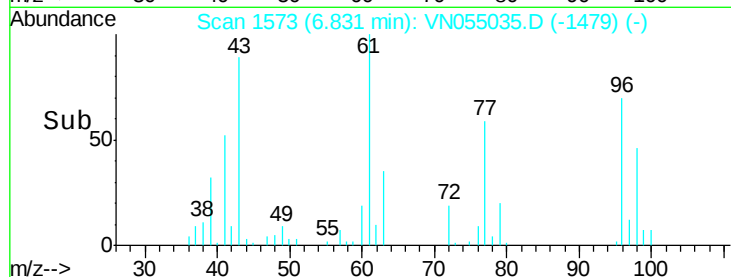
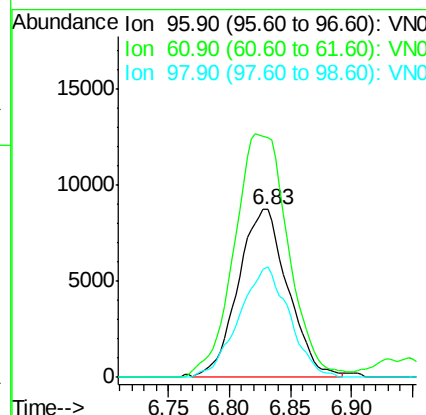
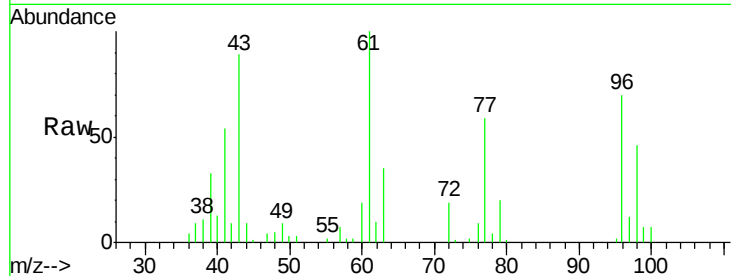
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	24725
Ion	Ratio	Lower	Upper
96	100		
61	157.8	0.0	311.0
98	66.2	0.0	127.4

Manual Integrations
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MMDadoda
4/17/2019 1:48:49 PM



#28

Bromochloromethane

Concen: 5.268 ug/l

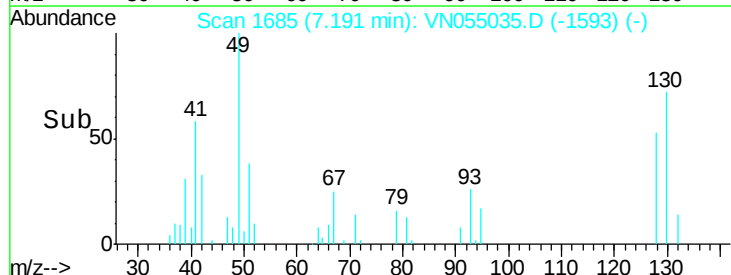
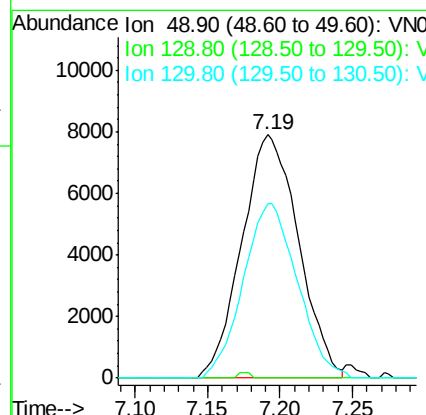
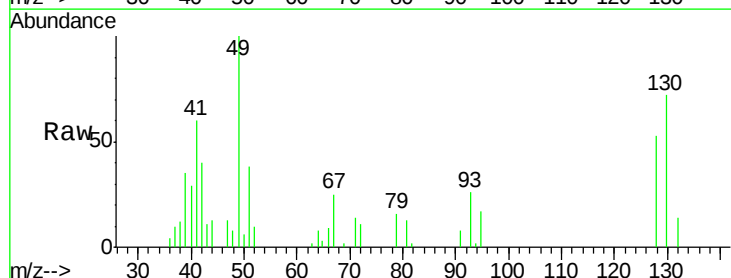
RT: 7.19 min Scan# 1685

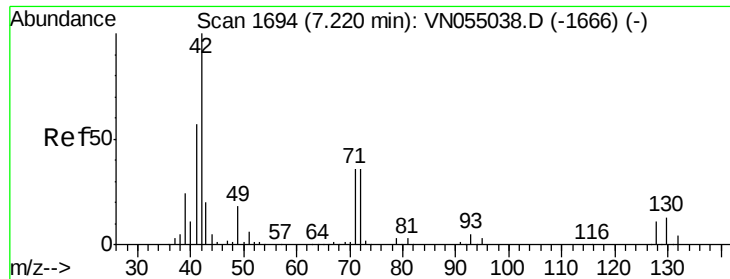
Delta R.T. -0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Tgt Ion:	49	Resp:	21534
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	2.0
130	68.5	53.4	80.2





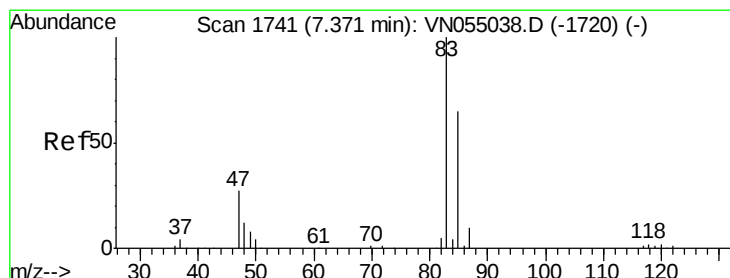
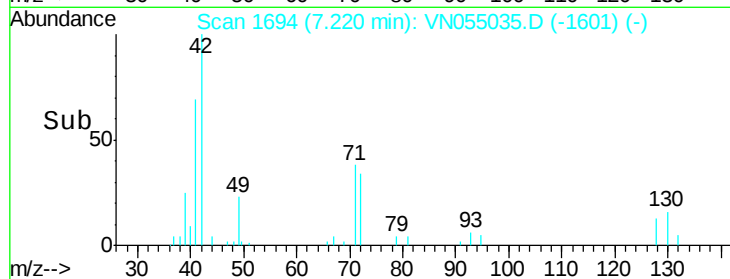
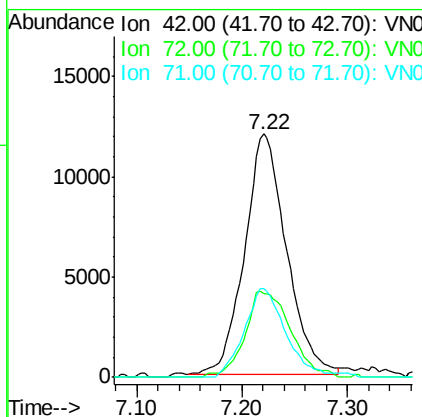
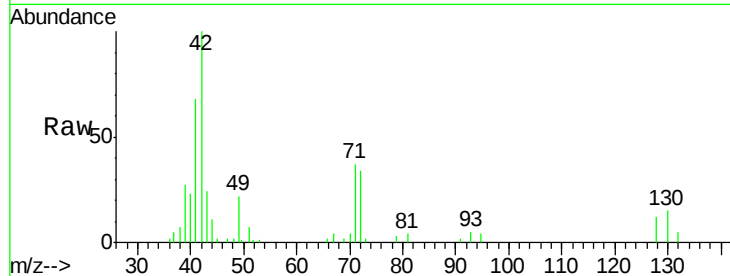
#29
Tetrahydrofuran
Concen: 22.745 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	29.4	44.0
71	36.3	27.8	41.6

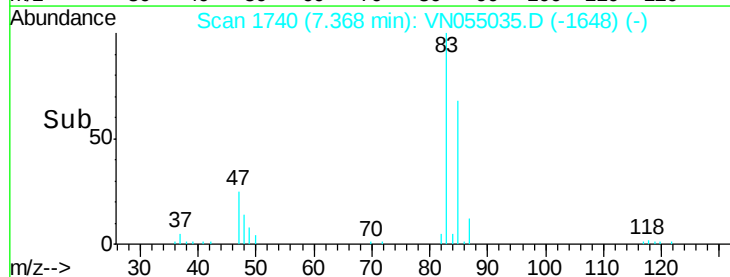
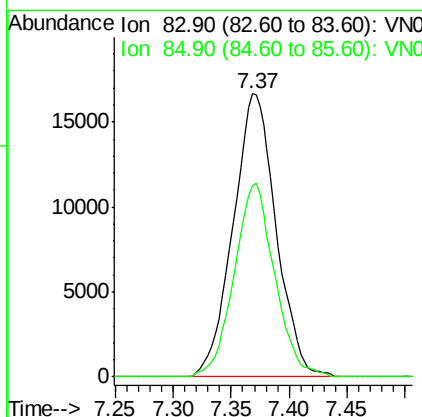
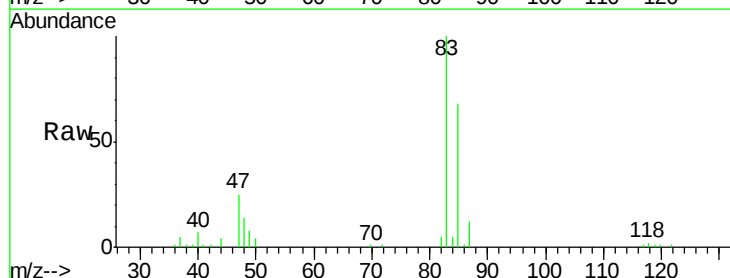
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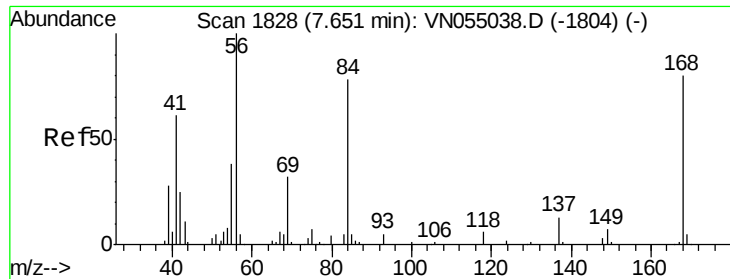
MMDadoda
4/17/2019 1:48:49 PM



#30
Chloroform
Concen: 5.221 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.6	51.8	77.6





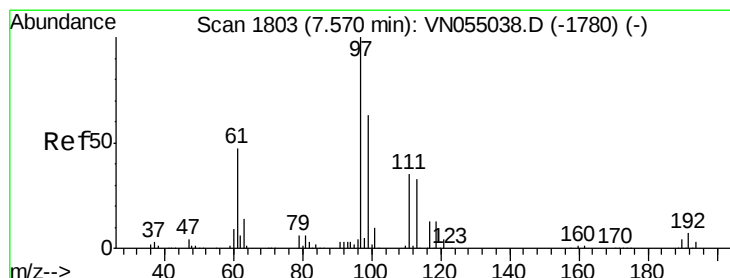
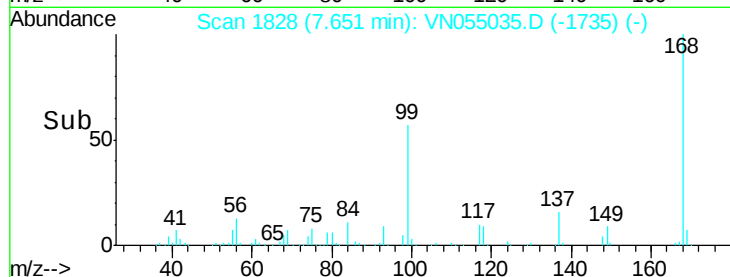
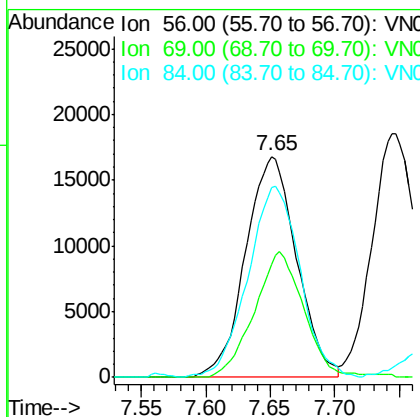
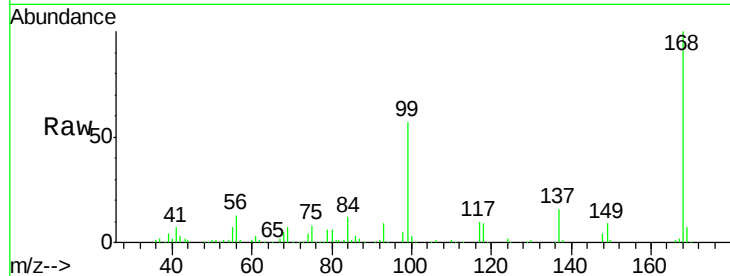
#31
Cyclohexane
Concen: 4.875 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	51.2	24.5	36.7#
84	85.1	62.9	94.3

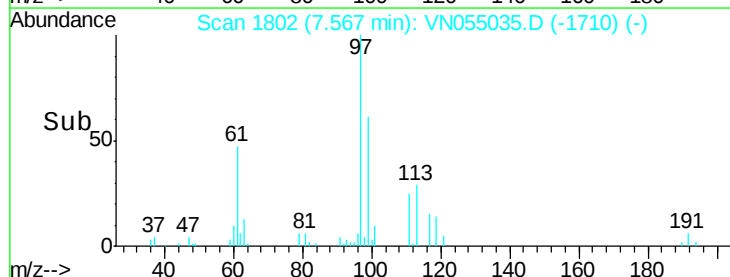
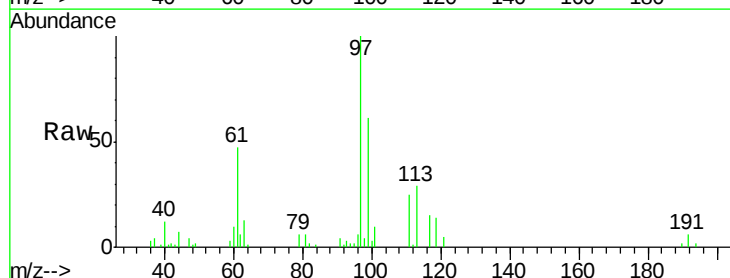
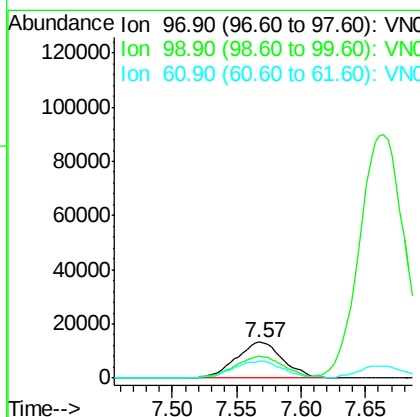
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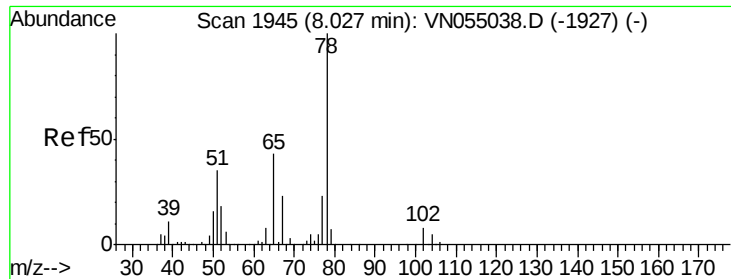
MMDadoda
4/17/2019 1:48:49 PM



#32
1,1,1-Trichloroethane
Concen: 5.145 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.6	77.4
61	50.9	38.3	57.5





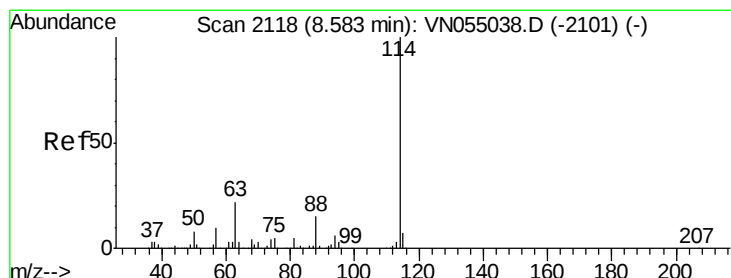
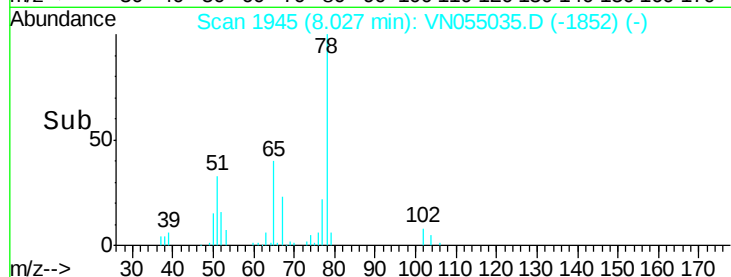
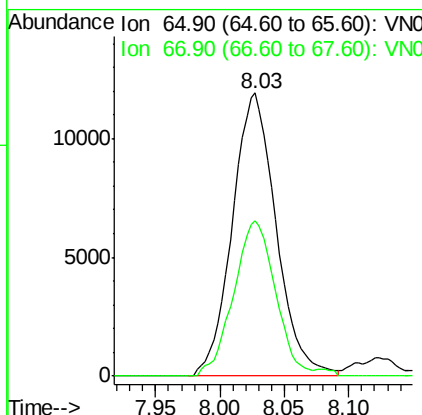
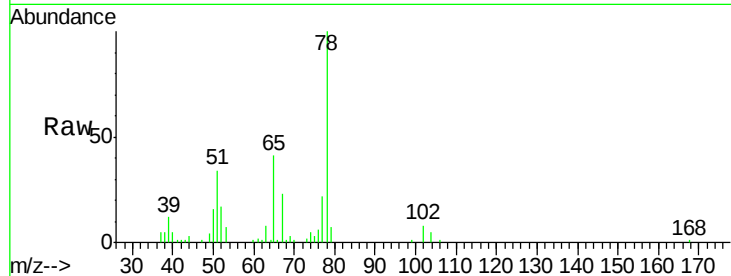
#33
 1,2-Dichloroethane-d4
 Concen: 5.400 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	28225		
67	52.1	0.0	106.4	

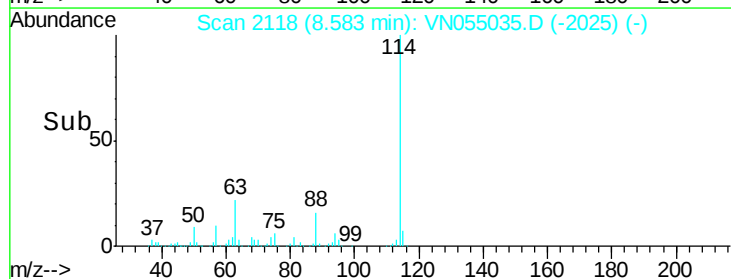
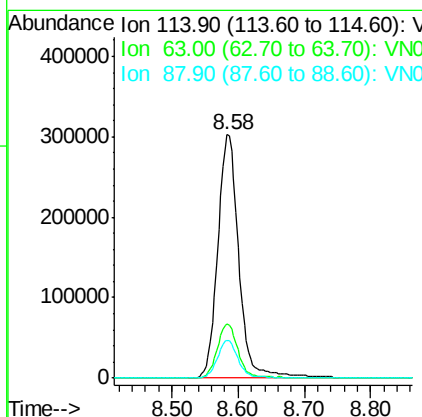
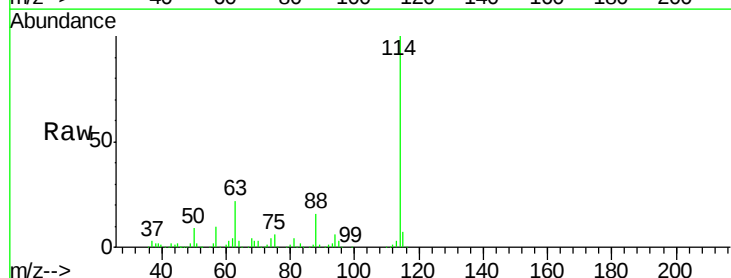
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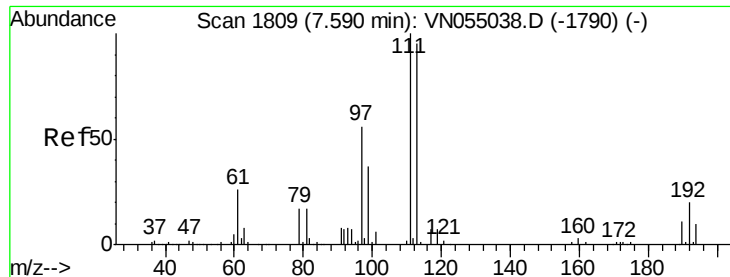
MMDadoda
 4/17/2019 1:48:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	668986		
63	22.3	0.0	45.2	
88	15.6	0.0	31.8	





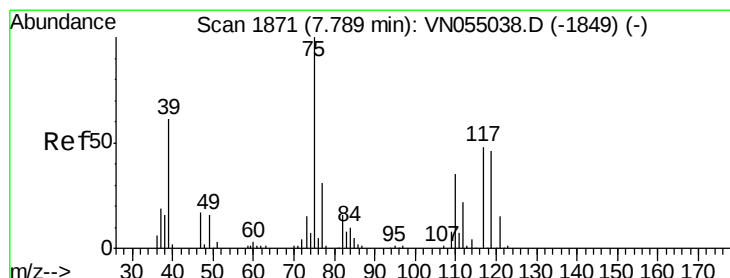
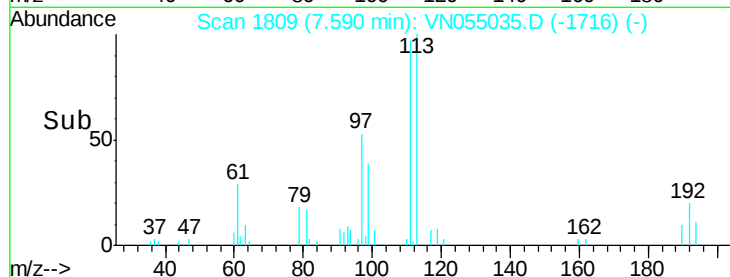
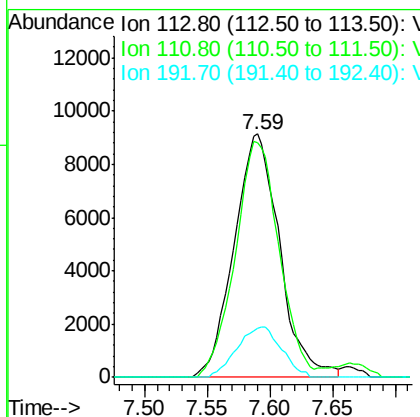
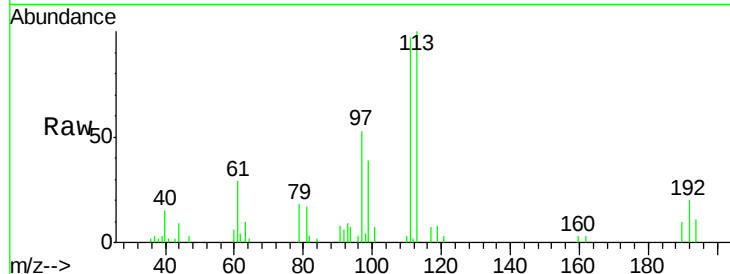
#35
 Dibromofluoromethane
 Concen: 5.399 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	93.5	82.1	123.1
192	20.1	16.5	24.7

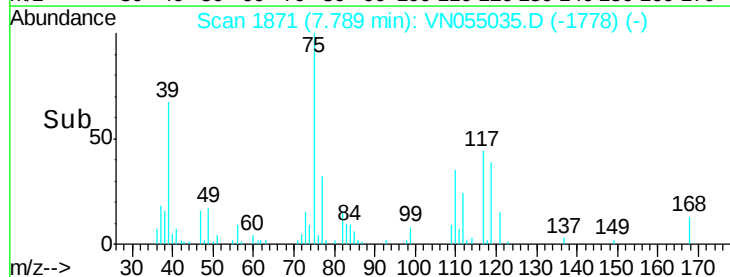
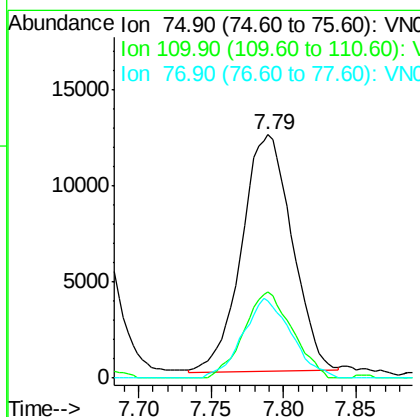
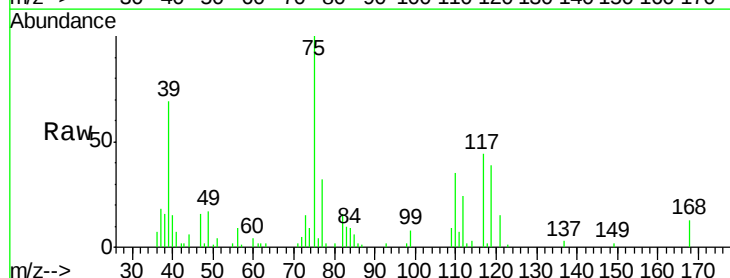
Manual Integrations
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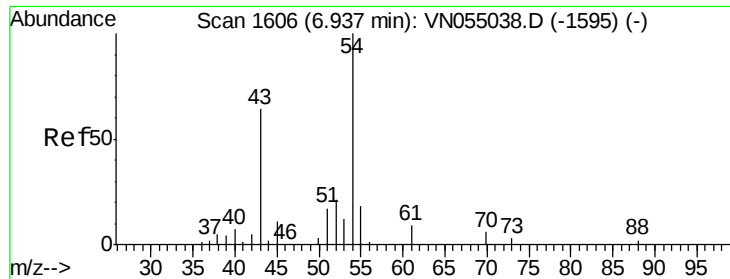
MMDadoda
 4/17/2019 1:48:49 PM



#36
 1,1-Dichloropropene
 Concen: 4.808 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.5	52.5
77	32.2	24.9	37.3





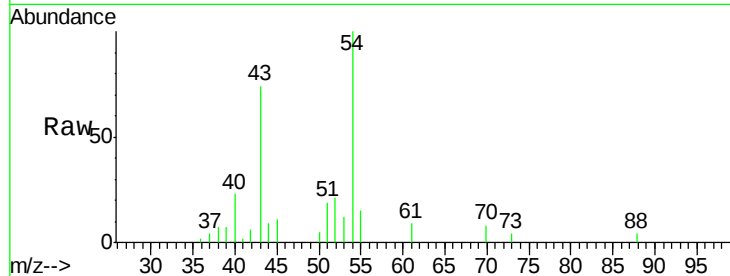
#37
Ethyl Acetate
Concen: 4.816 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

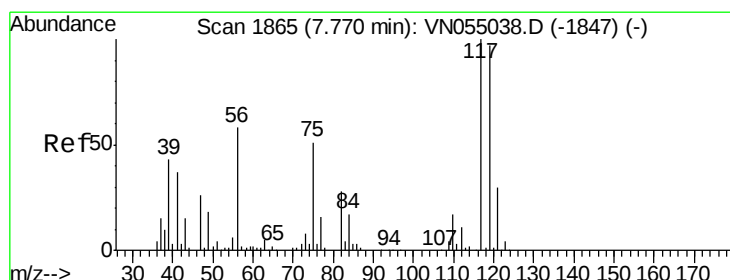
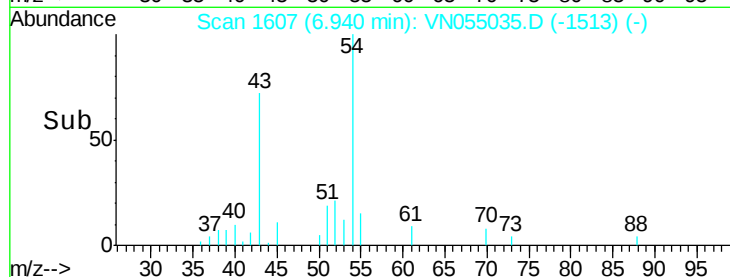
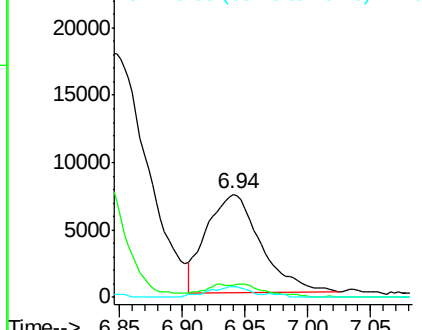
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.0	15.0#
70	8.0	7.1	10.7

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4/17/2019 1:48:49 PM

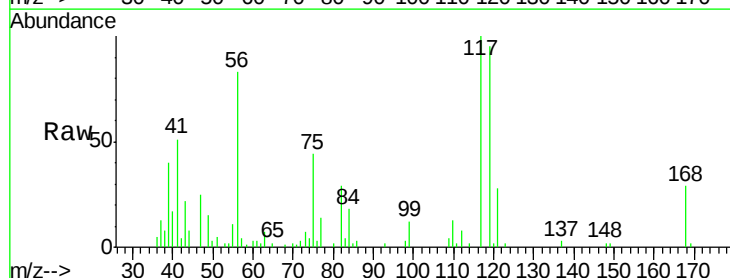


Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-1595) (-)

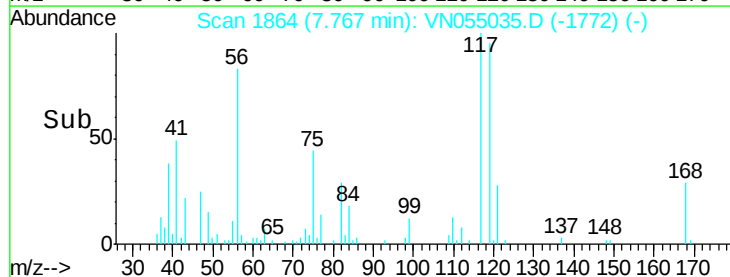
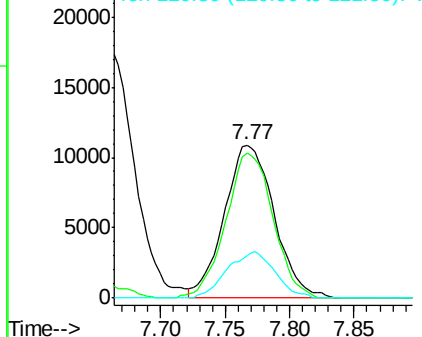


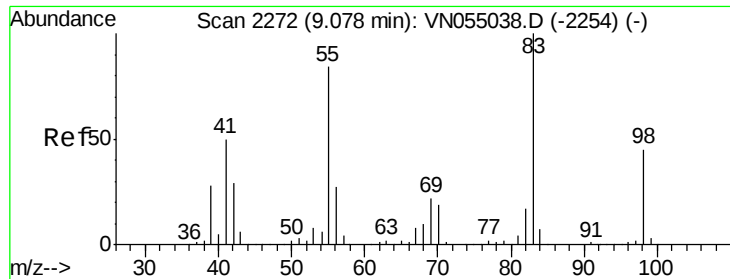
#38
Carbon Tetrachloride
Concen: 5.037 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.3	114.5
121	28.1	23.9	35.9



Abundance Ion 116.80 (116.50 to 117.50): VN055035.D (-1772) (-)





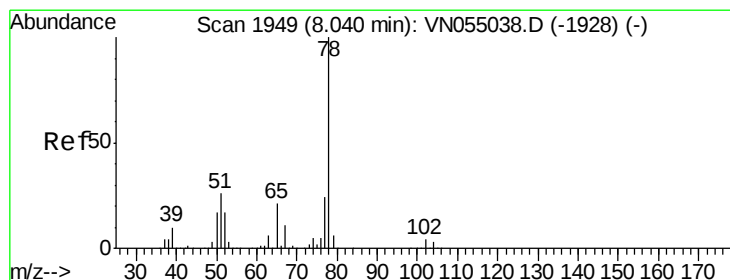
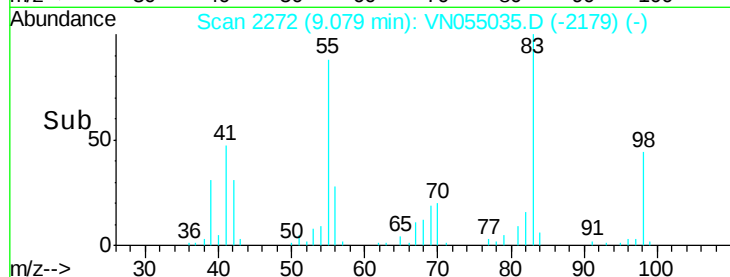
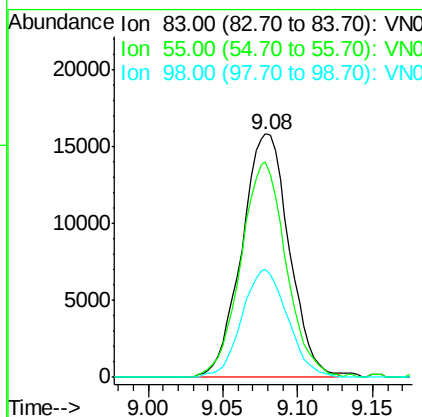
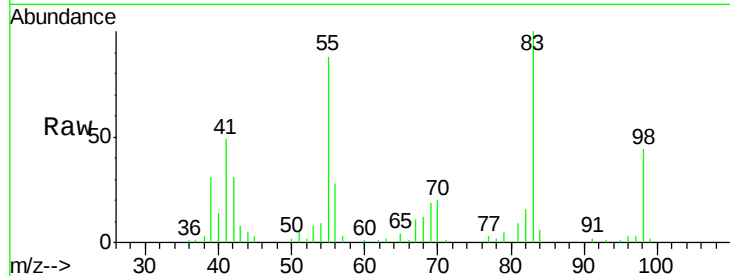
#39
Methvlcvclohexane
Concen: 4.934 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	34924
Ion Ratio	Lower	Upper	
83	100		
55	88.4	67.0	100.4
98	44.1	35.6	53.4

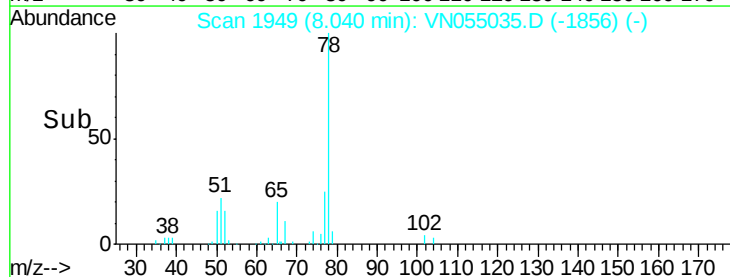
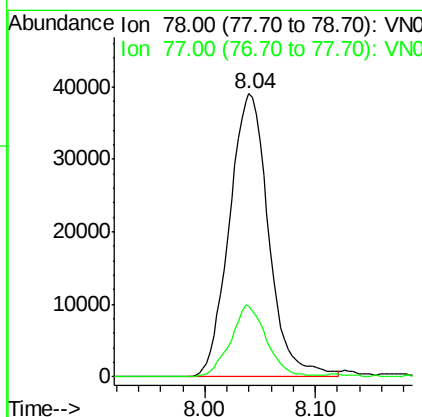
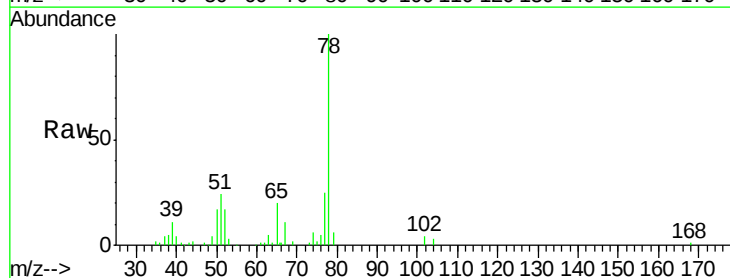
Manual Integrations
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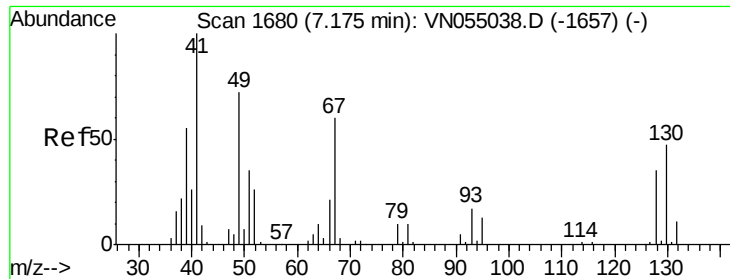
MMDadoda
4/17/2019 1:48:49 PM



#40
Benzene
Concen: 5.151 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Tgt Ion	78	Resp	96292
Ion Ratio	Lower	Upper	
78	100		
77	25.1	18.8	28.2





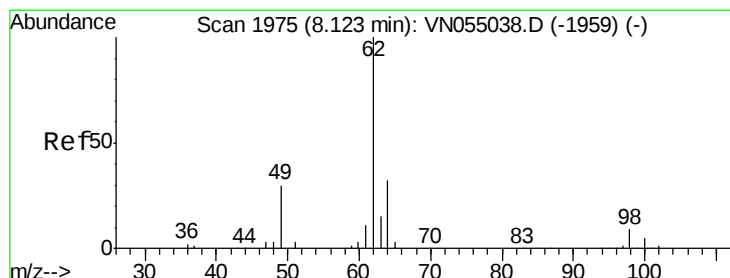
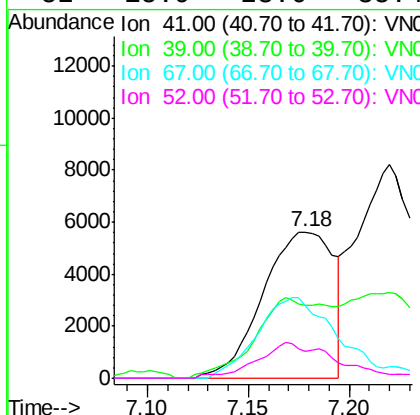
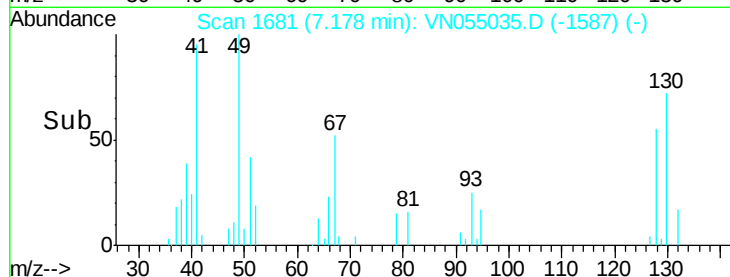
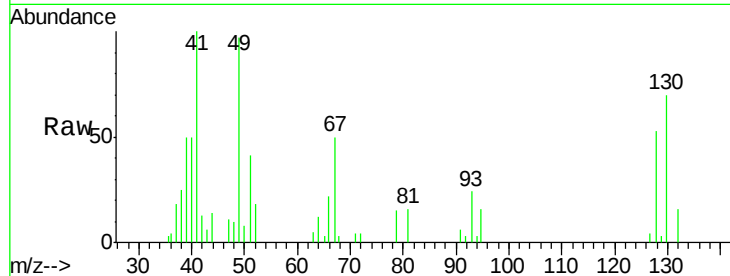
#41
Methacrylonitrile
Concen: 4.786 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	39.0	45.6	68.4#	
67	61.5	57.0	85.6	
52	15.9	23.6	35.4#	

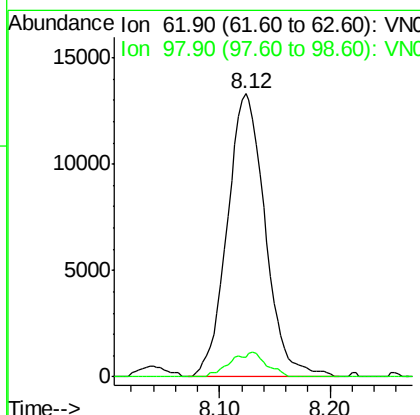
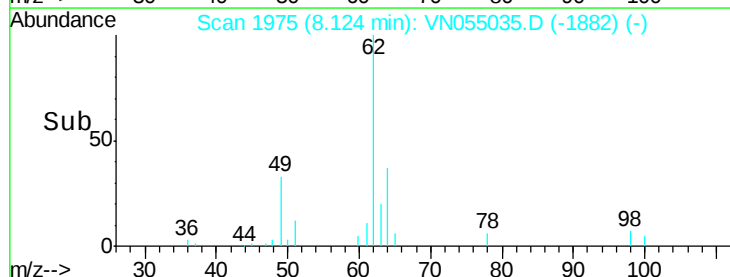
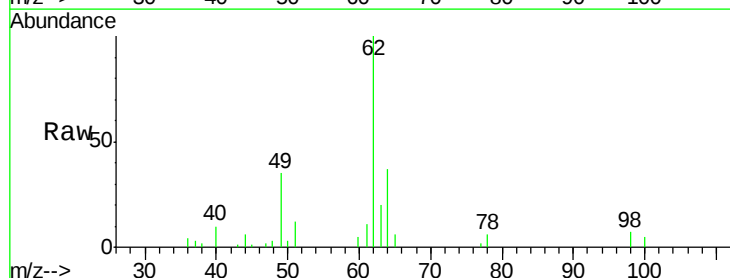
Manual Integrations
APPROVED

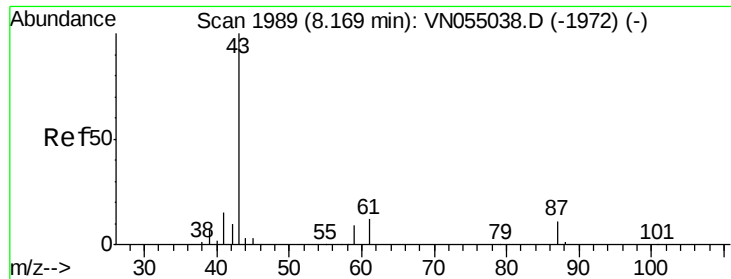
MMDadoda
4/17/2019 1:48:49 PM



#42
1,2-Dichloroethane
Concen: 4.825 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	17.4	





#43

Isopropyl Acetate

Concen: 4.658 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Instrument :

MSVOA_N

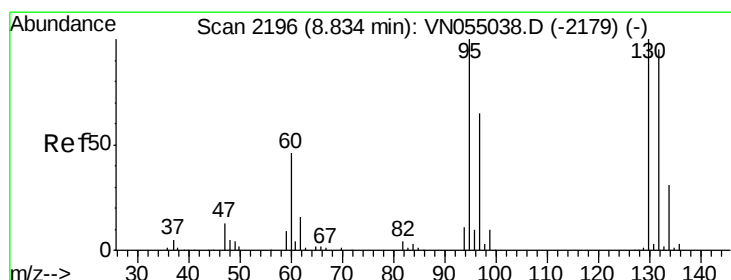
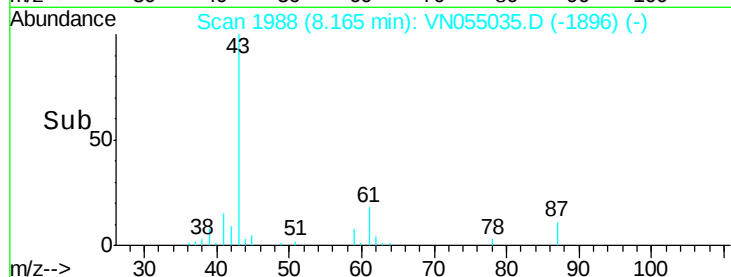
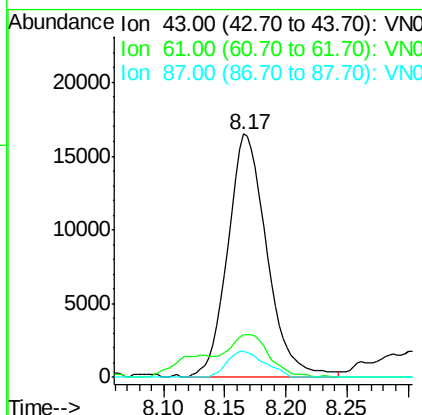
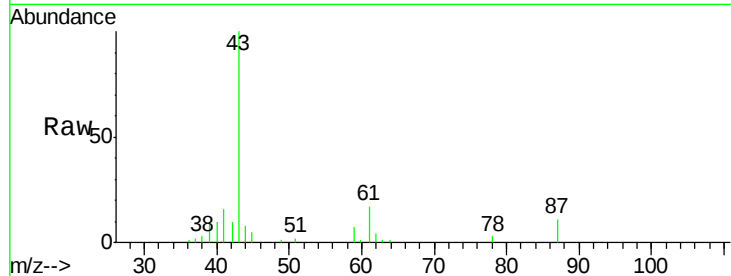
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	36968
Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.3	21.5
87	10.2	8.6	13.0

Manual Integrations
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MMDadoda
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#44

Trichloroethene

Concen: 5.039 ug/l

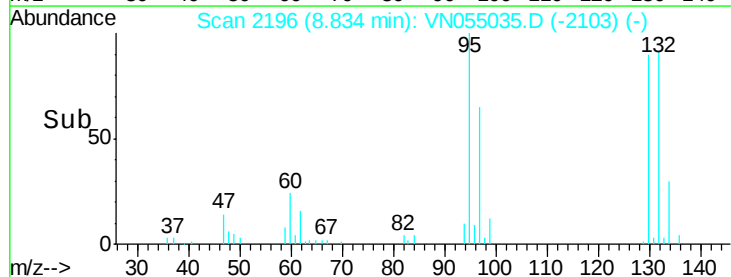
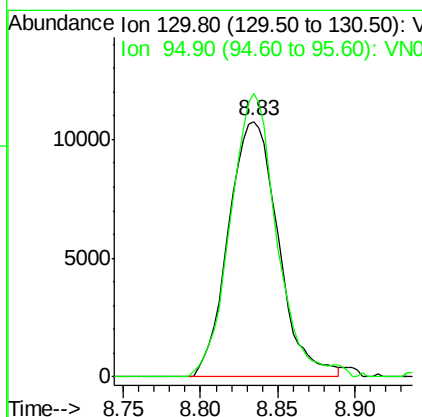
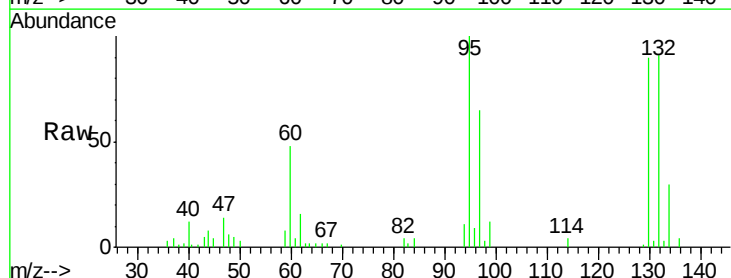
RT: 8.83 min Scan# 2196

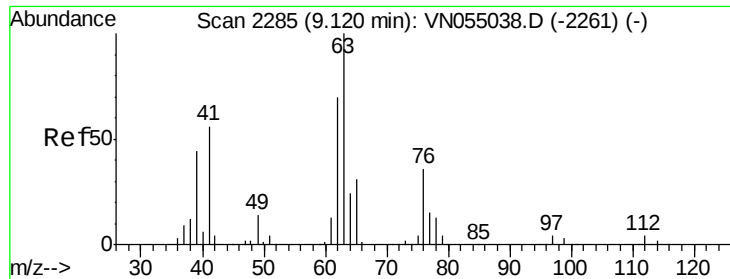
Delta R.T. 0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Tgt Ion:	130	Resp:	24071
Ion	Ratio	Lower	Upper
130	100		
95	110.8	0.0	201.6





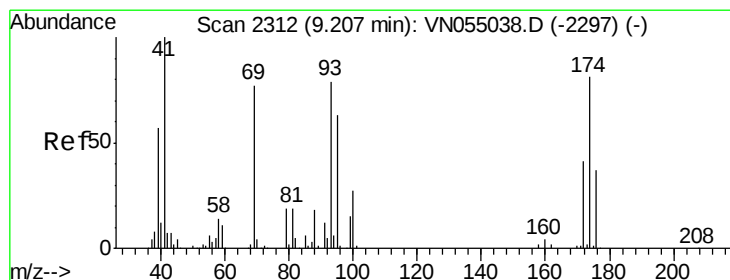
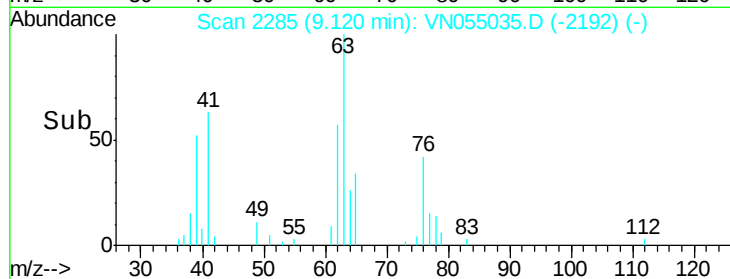
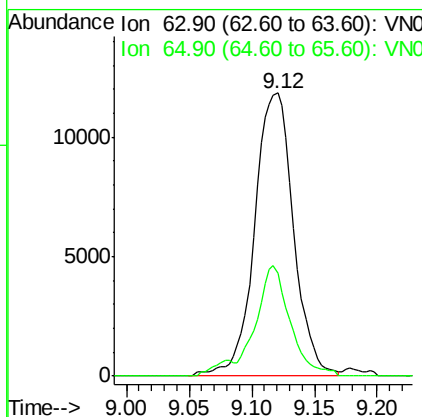
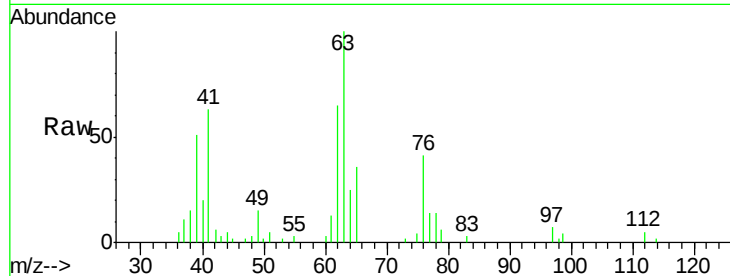
#45
 1,2-Dichloropropane
 Concen: 4.864 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	36.2	24.4	36.6

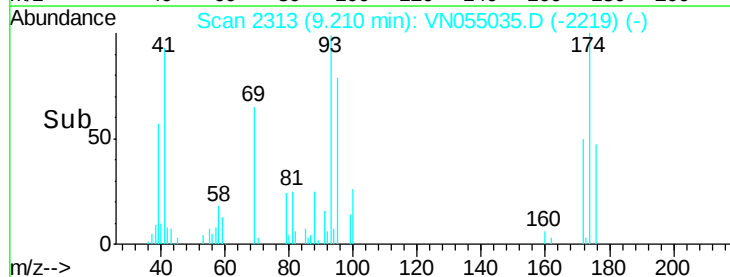
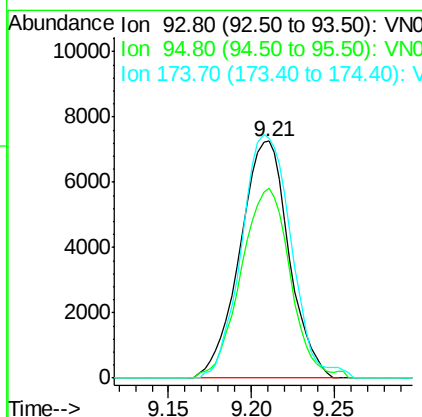
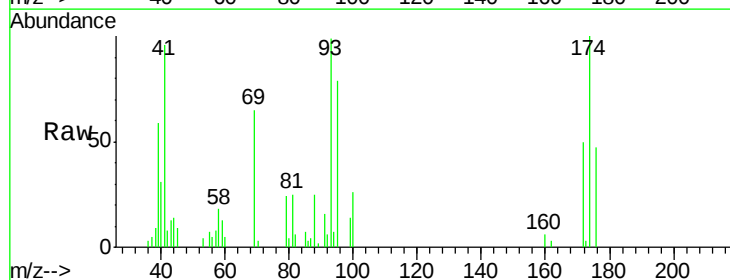
Manual Integrations
 APPROVED

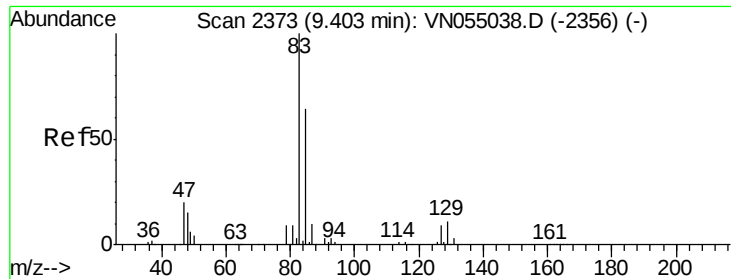
MMDadoda
 4/17/2019 1:48:49 PM



#46
 Dibromomethane
 Concen: 4.954 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.5	65.0	97.6
174	104.0	81.0	121.6





#47

Bromodichloromethane

Concen: 4.849 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Instrument :

MSVOA_N

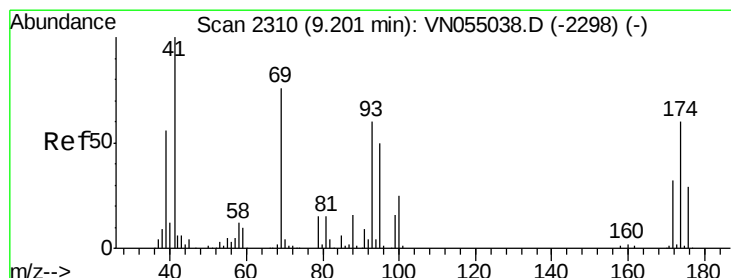
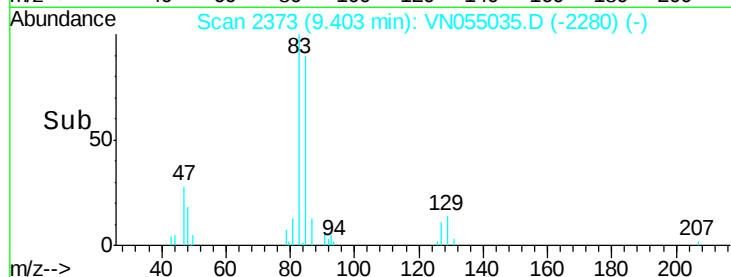
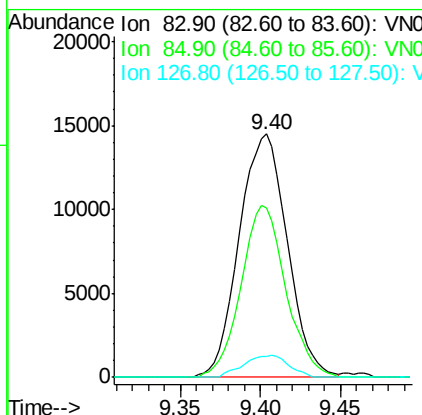
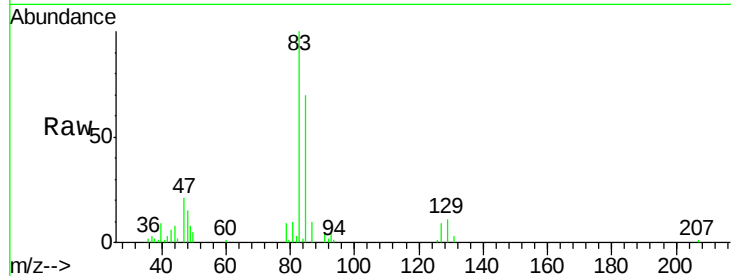
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	29802
Ion Ratio	Lower	Upper	
83	100		
85	69.6	51.2	76.8
127	8.8	6.8	10.2

Manual Integrations
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4/17/2019 1:48:49 PM



#48

Methyl methacrylate

Concen: 4.353 ug/l

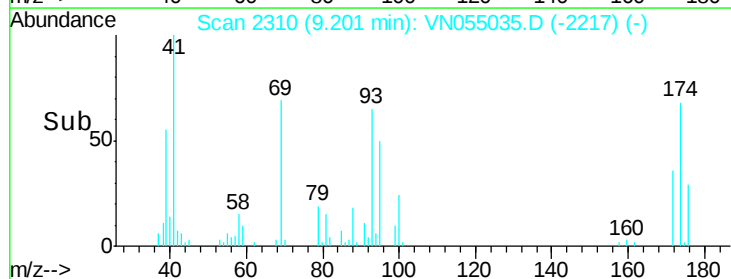
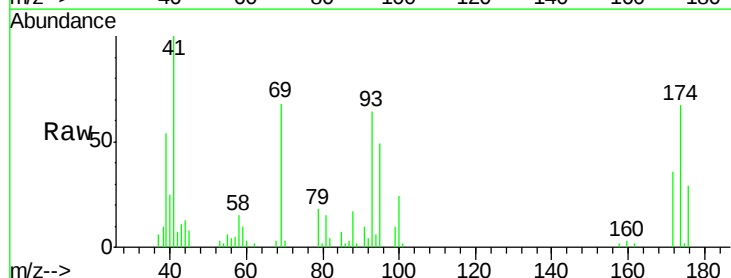
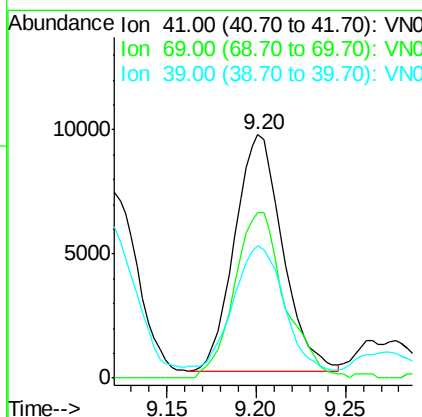
RT: 9.20 min Scan# 2310

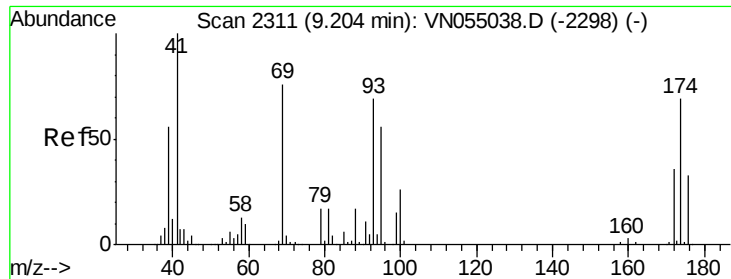
Delta R.T. 0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Tgt Ion:	41	Resp:	17797
Ion Ratio	Lower	Upper	
41	100		
69	73.7	60.5	90.7
39	57.7	43.9	65.9





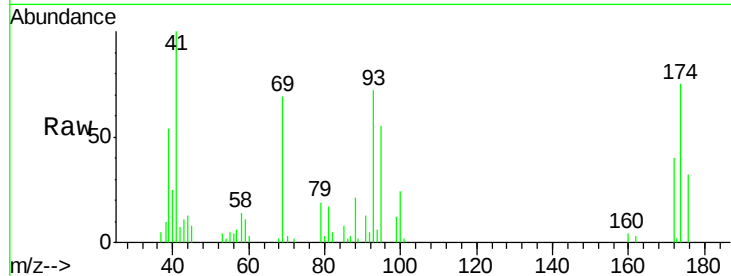
#49
1,4-Dioxane
Concen: 88.243 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.5	31.8	47.8
58	85.2	61.6	92.4

Manual Integrations
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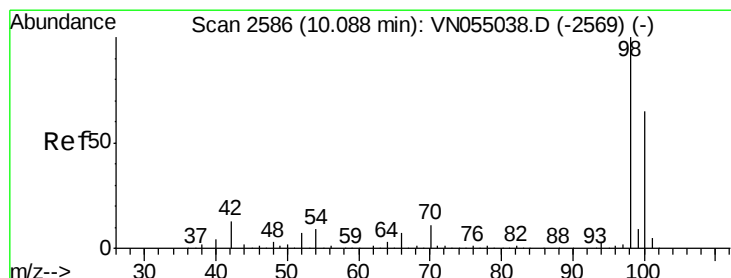
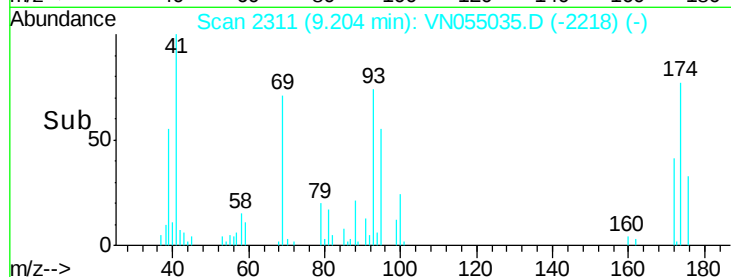
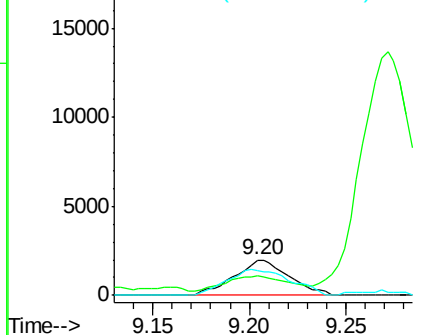
MMDadoda
4/17/2019 1:48:49 PM



Abundance Ion 88.00 (87.70 to 88.70): VN055038.D (-2298) (-)

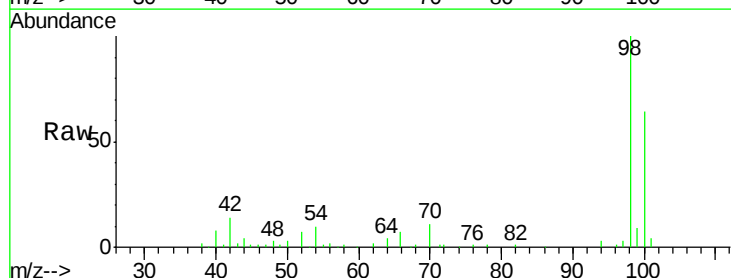
Ion 43.00 (42.70 to 43.70): VN055038.D (-2298) (-)

Ion 58.00 (57.70 to 58.70): VN055038.D (-2298) (-)



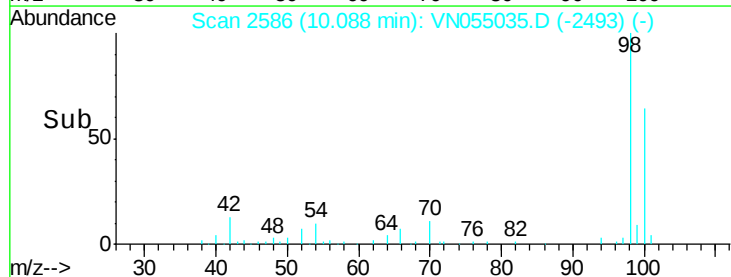
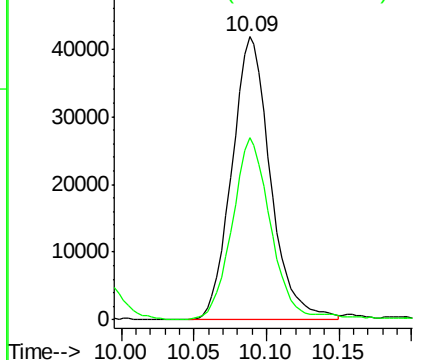
#50
Toluene-d8
Concen: 4.930 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

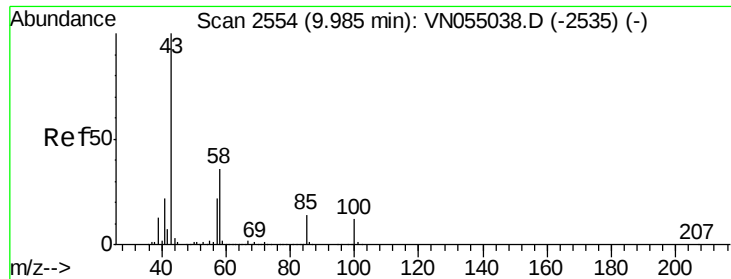
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.1	76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055038.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN055038.D (-2569) (-)





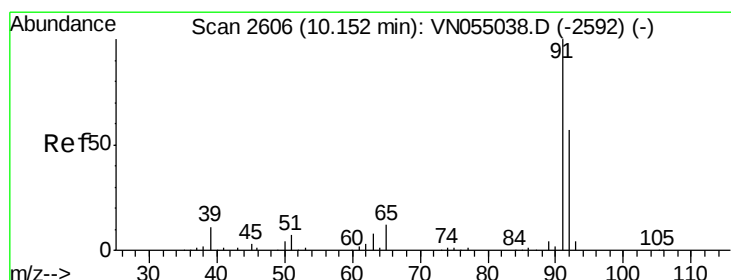
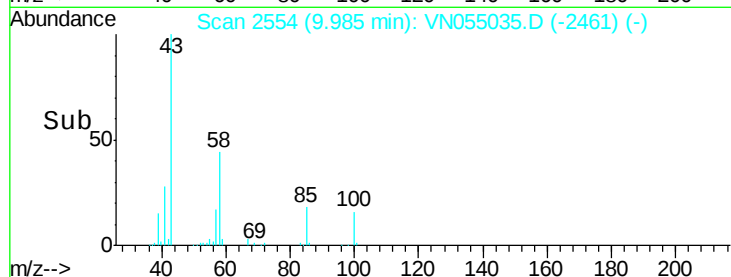
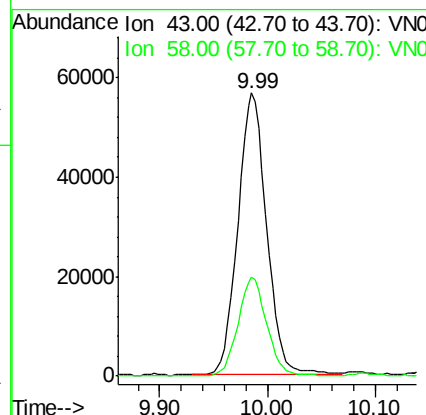
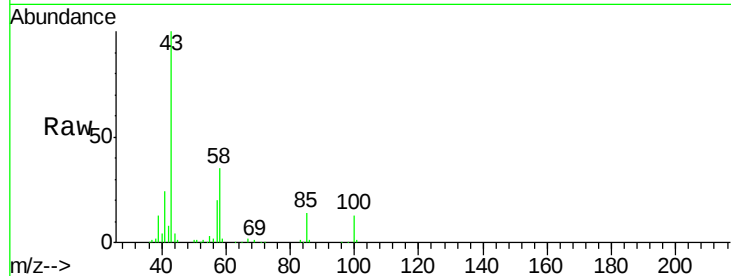
#51
4-Methyl-2-Pentanone
Concen: 22.714 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.9	29.0	43.4

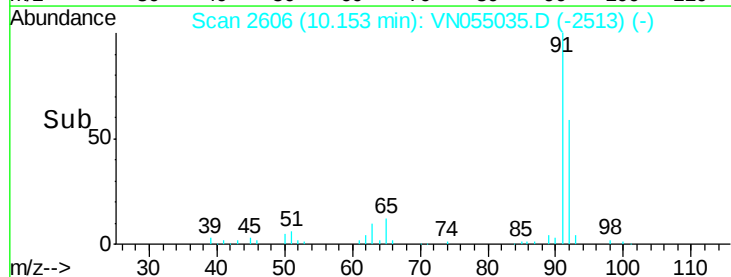
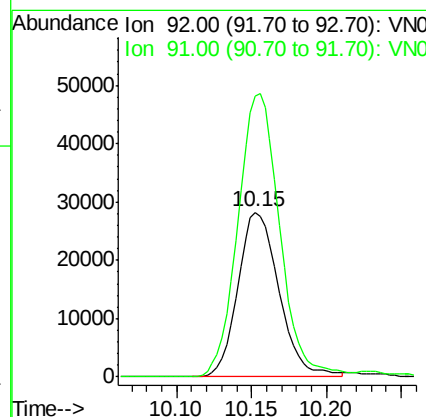
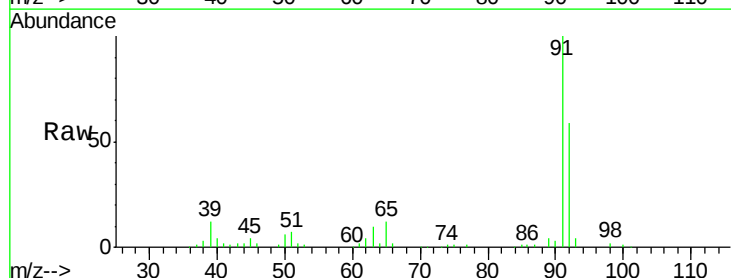
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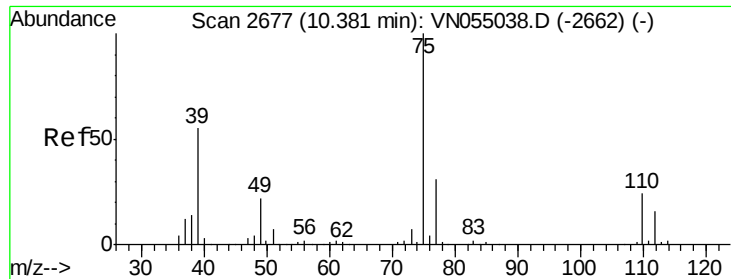
MMDadoda
4/17/2019 1:48:49 PM



#52
Toluene
Concen: 4.894 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.7	140.8	211.2





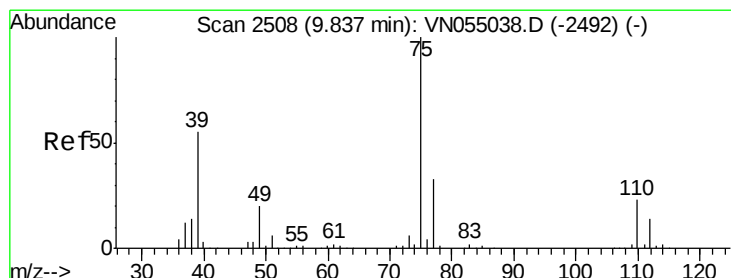
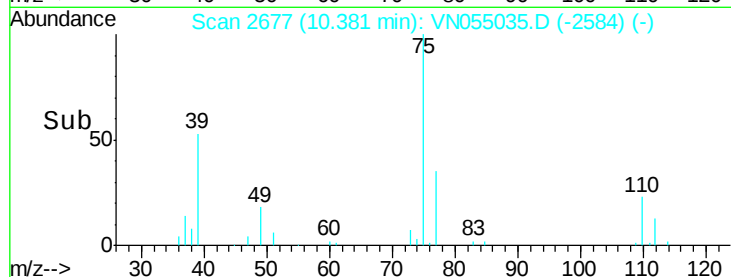
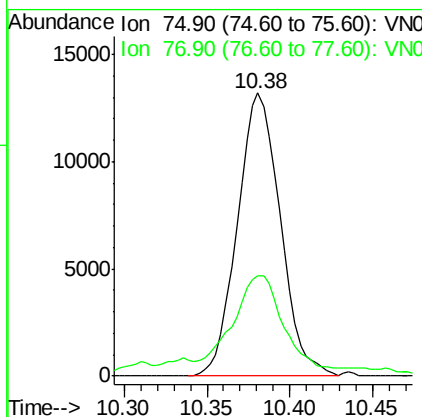
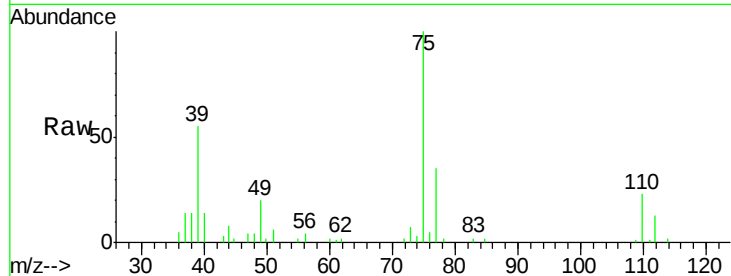
#53
 t-1,3-Dichloropropene
 Concen: 4.274 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 23790
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.6 37.0

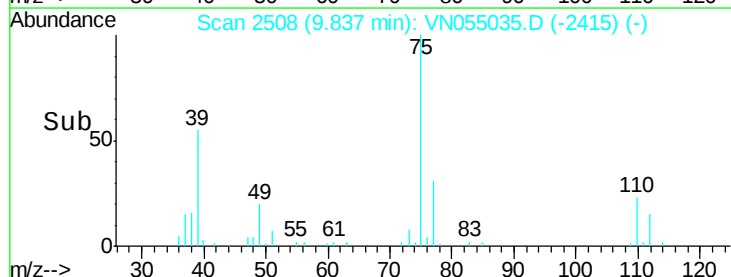
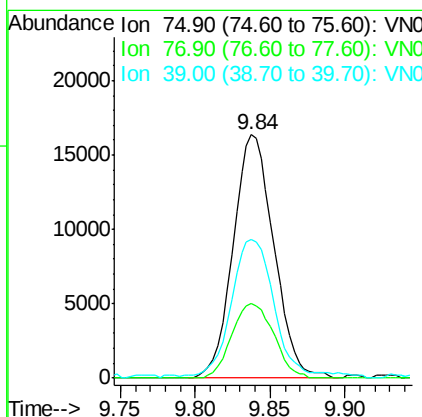
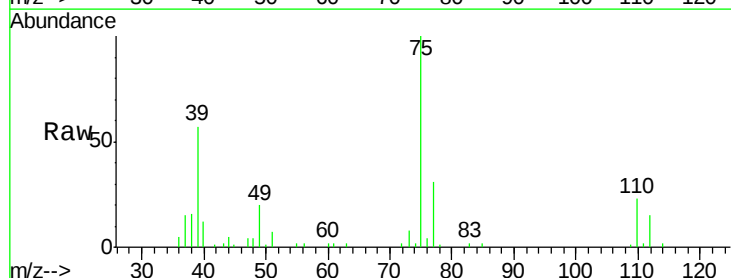
Manual Integrations
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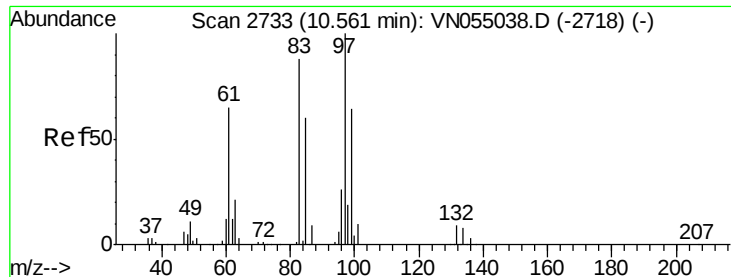
MMDadoda
 4/17/2019 1:48:49 PM



#54
 cis-1,3-Dichloropropene
 Concen: 4.520 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Tgt Ion: 75 Resp: 30990
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.8 38.6
 39 55.5 43.8 65.8





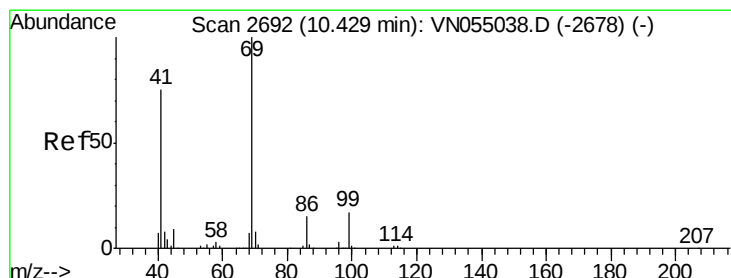
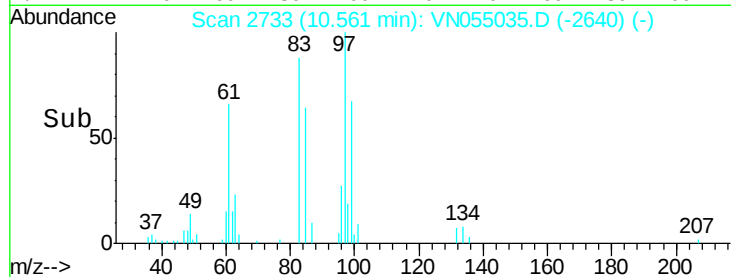
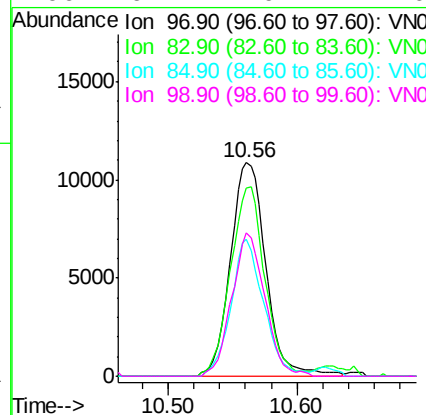
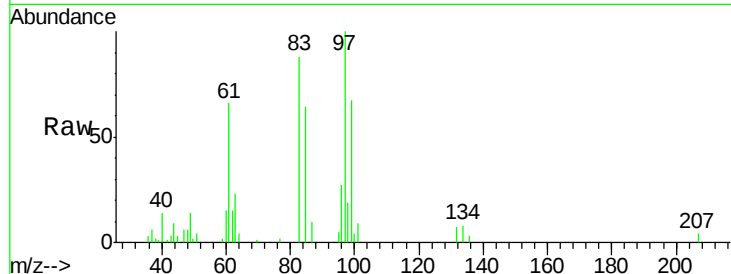
#55
 1,1,2-Trichloroethane
 Concen: 5.018 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	20667
Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.5	105.7
85	64.4	45.5	68.3
99	67.1	49.4	74.0

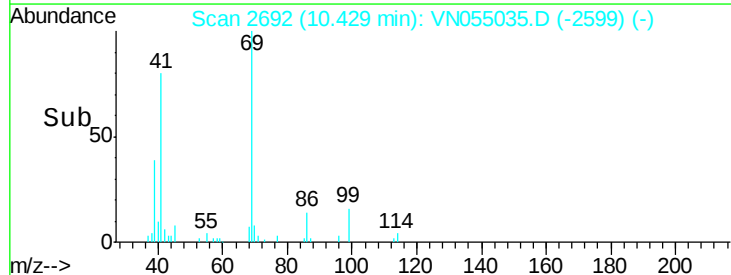
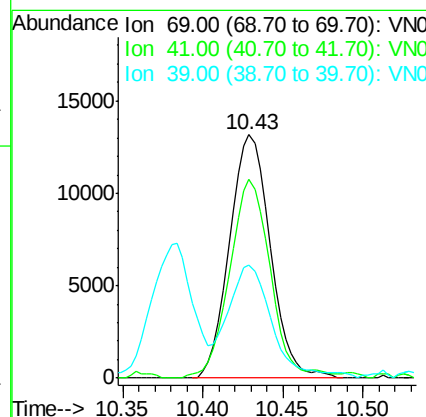
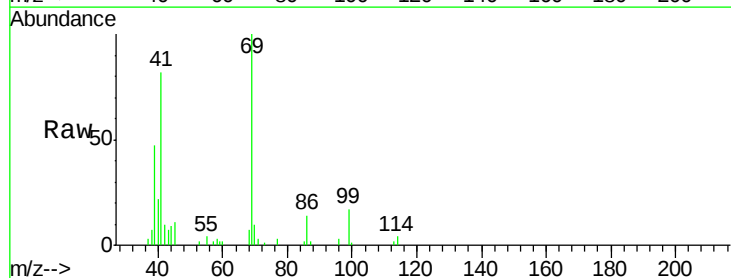
Manual Integrations
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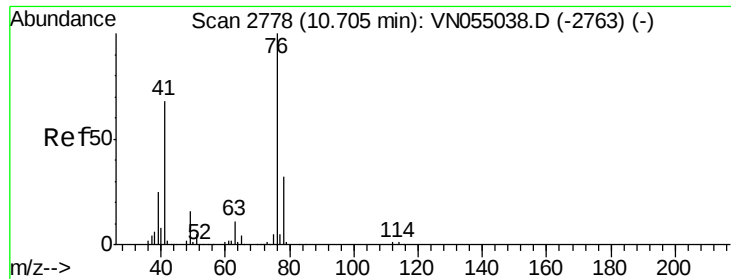
MMDadoda
 4/17/2019 1:48:49 PM



#56
 Ethyl methacrylate
 Concen: 4.321 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Tgt Ion:	69	Resp:	22898
Ion	Ratio	Lower	Upper
69	100		
41	79.9	61.4	92.0
39	44.0	30.8	46.2





#57

1,3-Dichloropropane

Concen: 4.923 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 34972

Ion Ratio Lower Upper

76 100

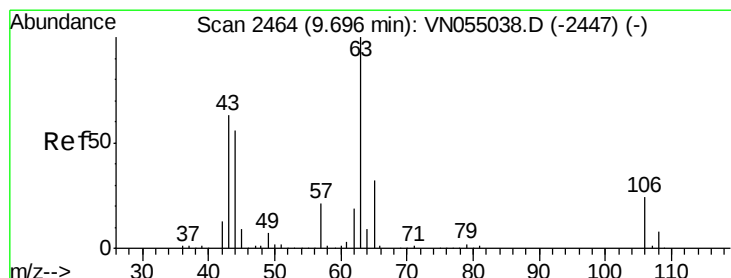
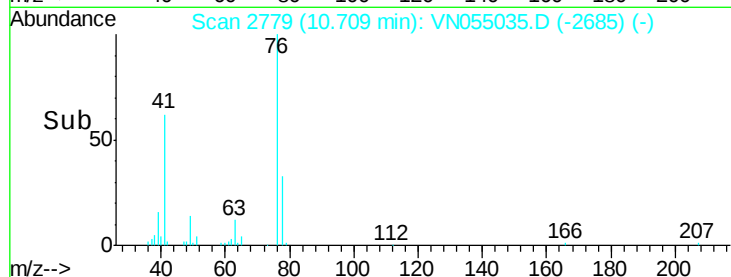
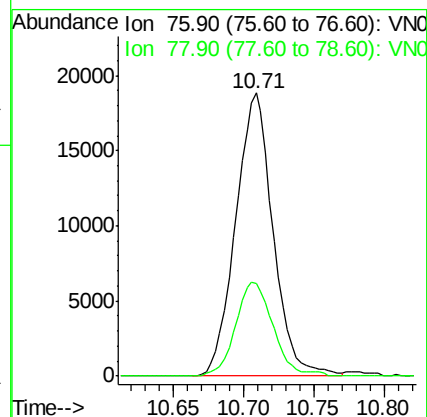
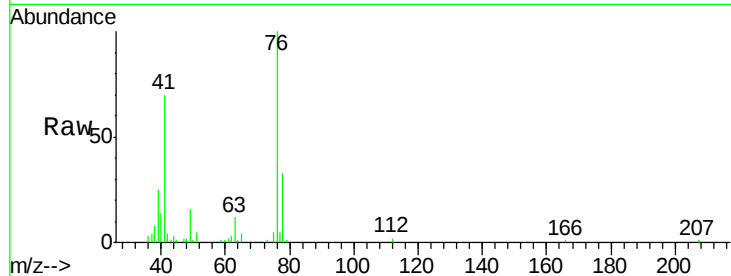
78 32.7 25.6 38.4

Manual Integrations

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MMDadoda

4/17/2019 1:48:49 PM



#58

2-Chloroethyl Vinyl ether

Concen: 19.540 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055035.D

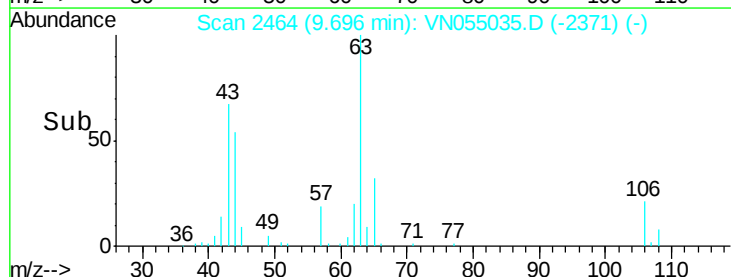
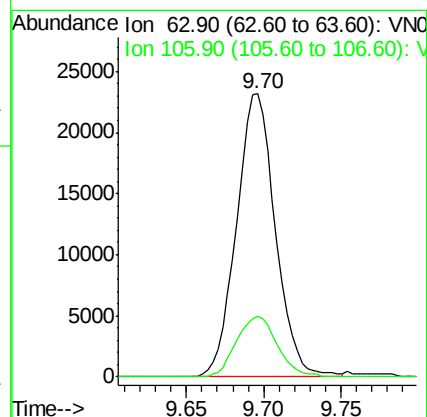
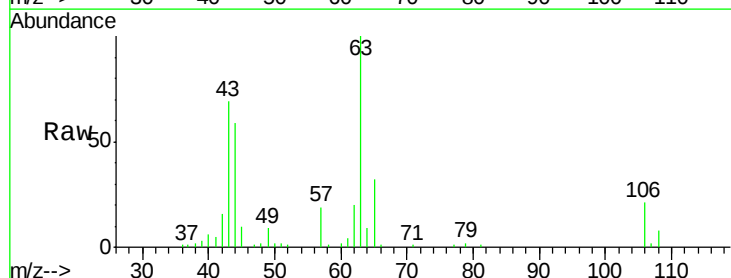
Acq: 15 Apr 2019 9:50

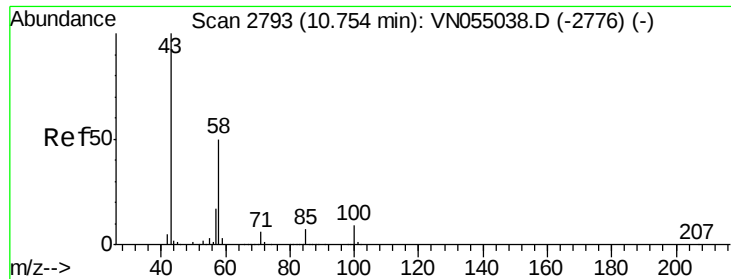
Tgt Ion: 63 Resp: 40515

Ion Ratio Lower Upper

63 100

106 22.4 20.0 30.0





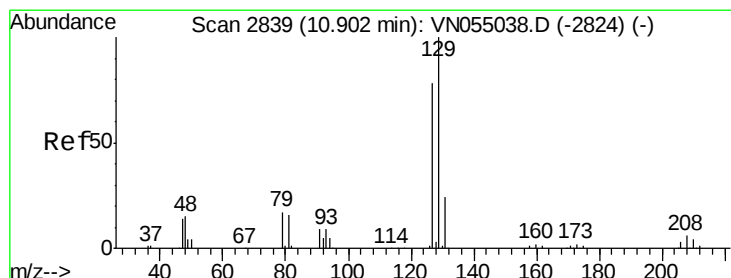
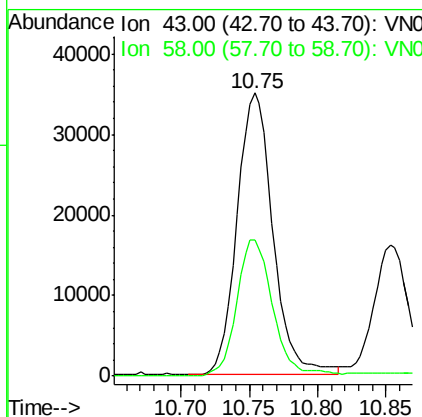
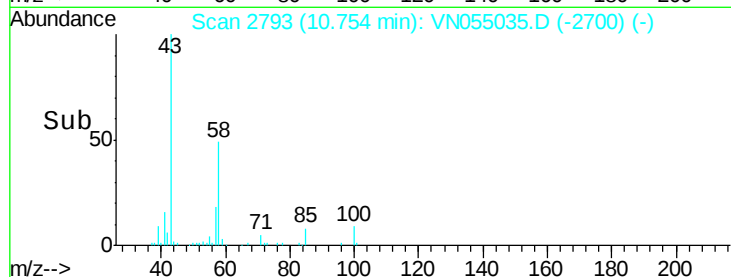
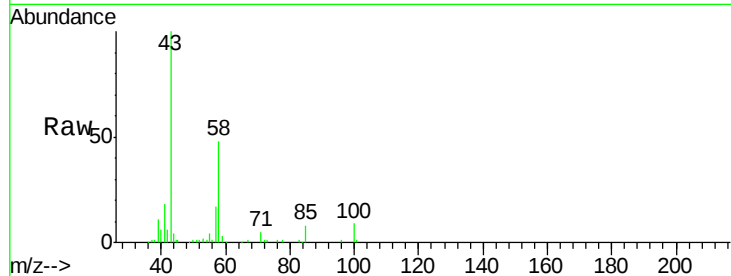
#59
2-Hexanone
Concen: 22.111 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 64209
Ion Ratio Lower Upper
43 100
58 48.6 25.1 75.2

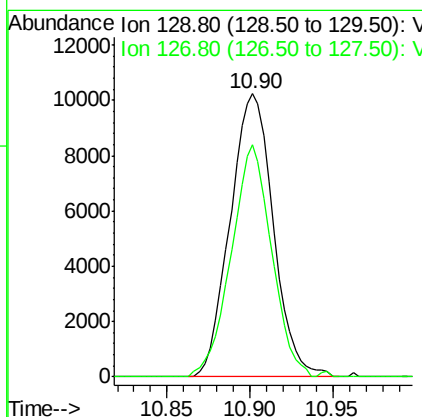
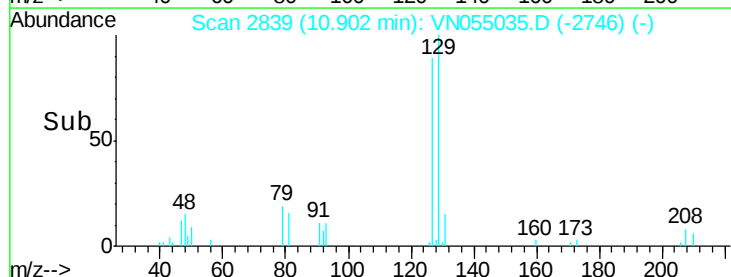
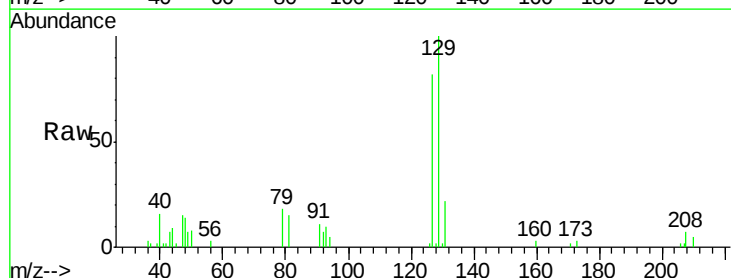
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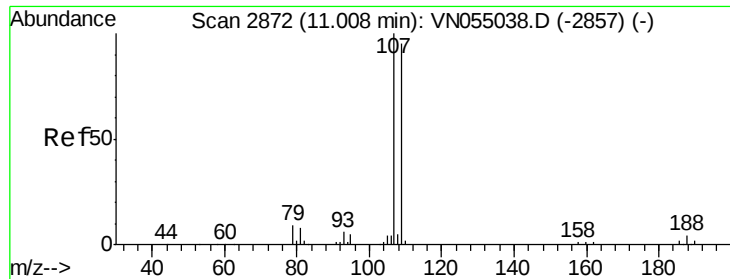
MMDadoda
4/17/2019 1:48:49 PM



#60
Dibromochloromethane
Concen: 4.515 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Tgt Ion:129 Resp: 18506
Ion Ratio Lower Upper
129 100
127 76.6 38.2 114.6





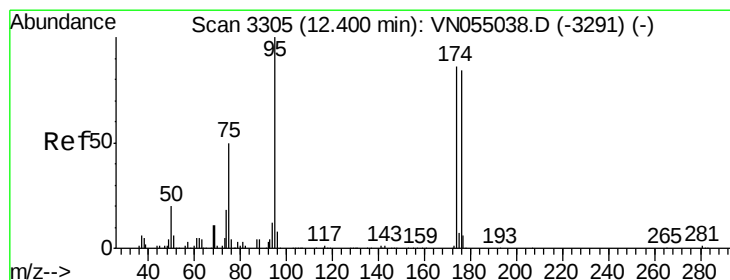
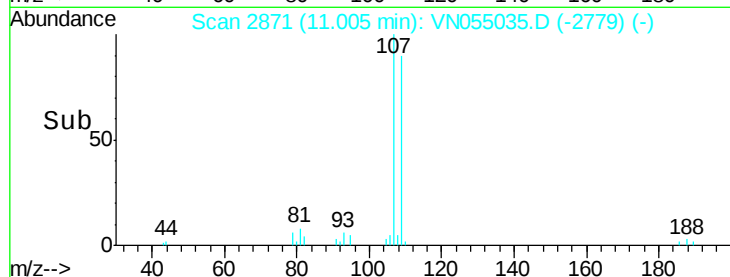
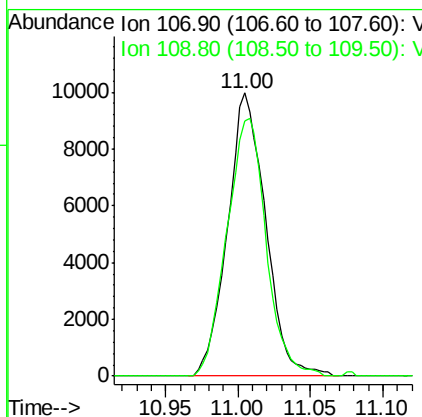
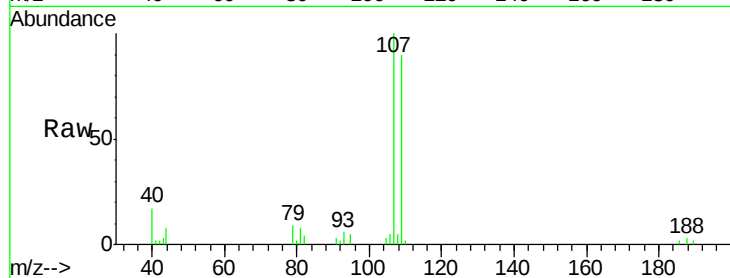
#61
 1,2-Dibromoethane
 Concen: 4.610 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
107	100	18178		
109	93.8	76.5	114.7	

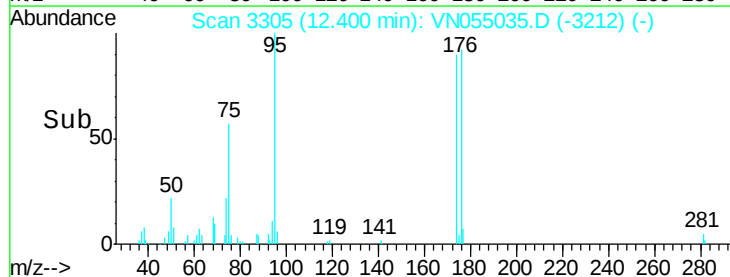
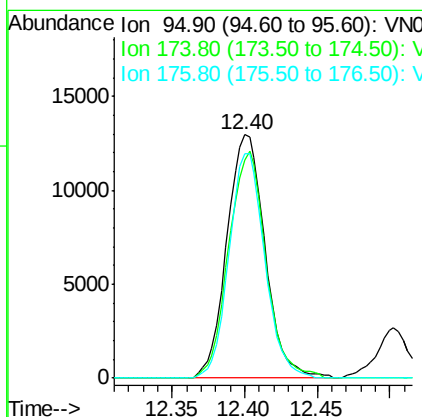
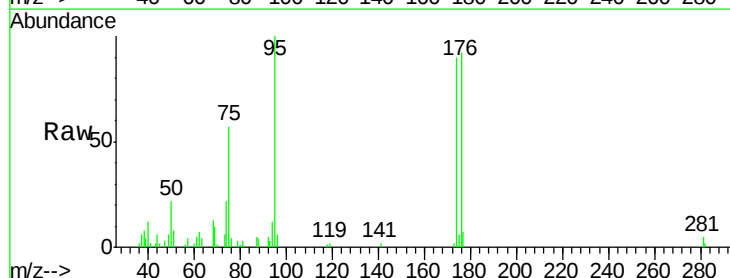
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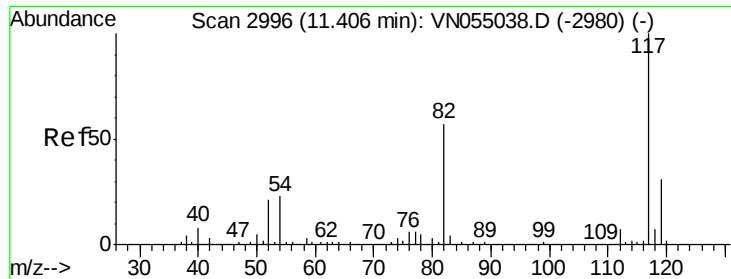
MMDadoda
 4/17/2019 1:48:49 PM



#62
 4-Bromofluorobenzene
 Concen: 4.485 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	23664		
174	90.9	0.0	174.4	
176	86.4	0.0	166.8	





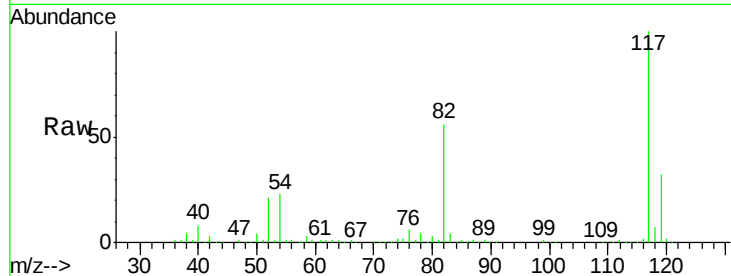
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	561510		
82	56.3	44.6	66.8	
119	31.8	25.5	38.3	

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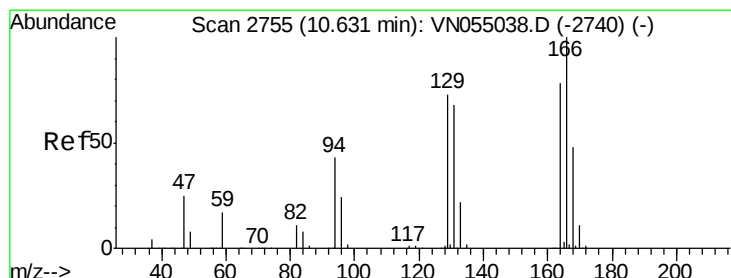
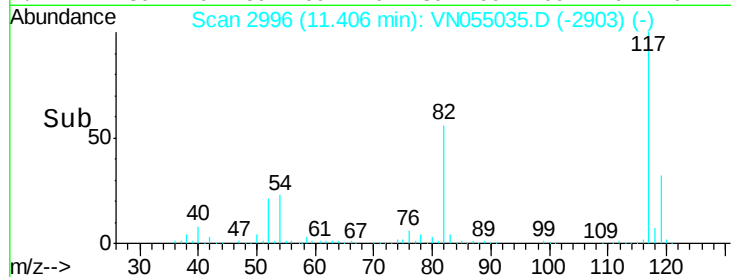
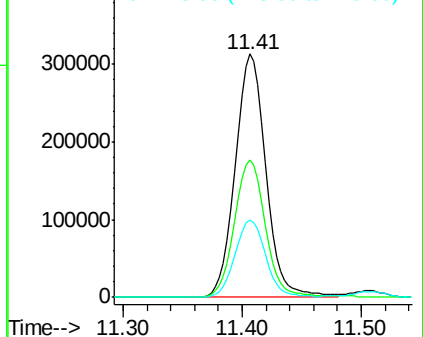


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.258 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	23096		
166	129.4	100.0	150.0	
129	90.9	72.0	108.0	
131	91.9	69.7	104.5	

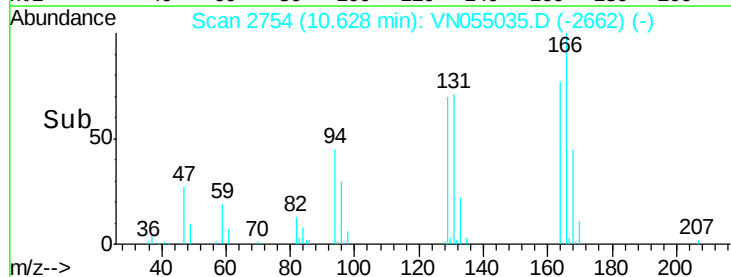
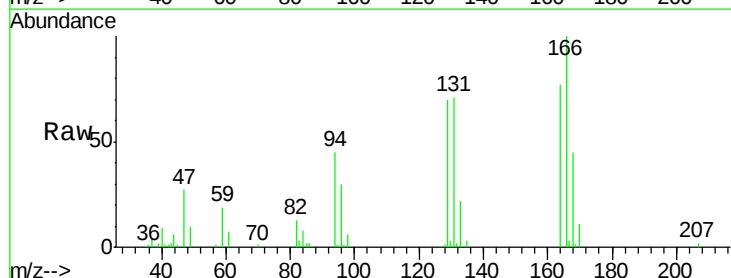
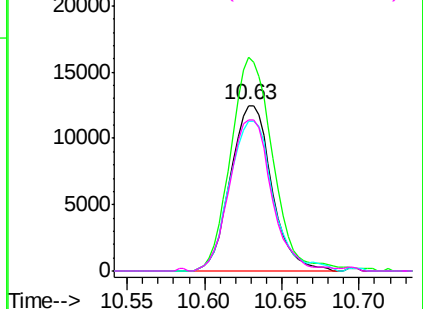
Abundance

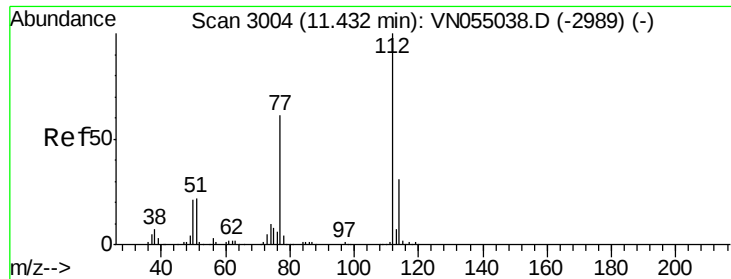
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





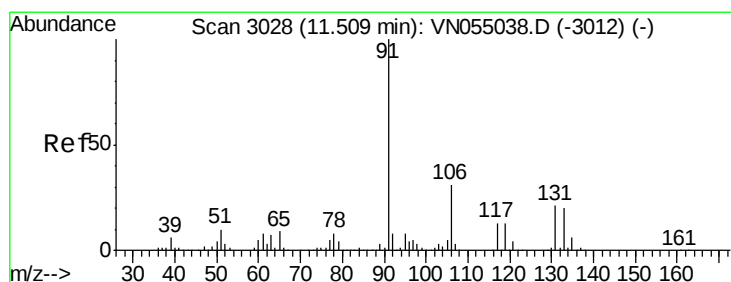
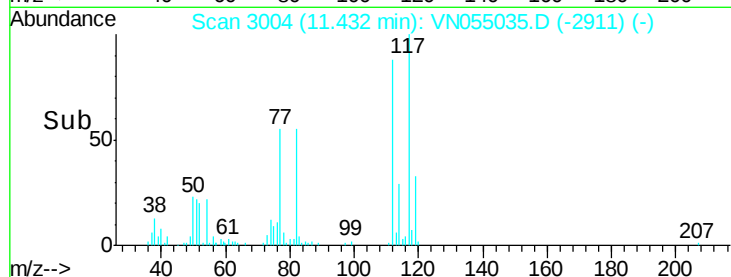
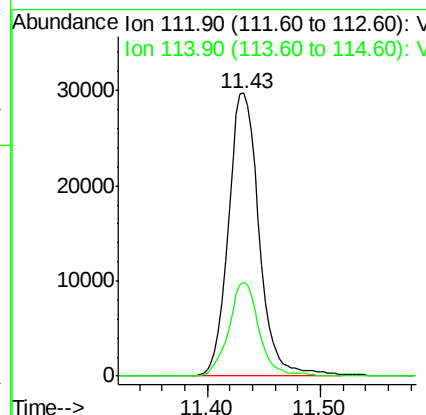
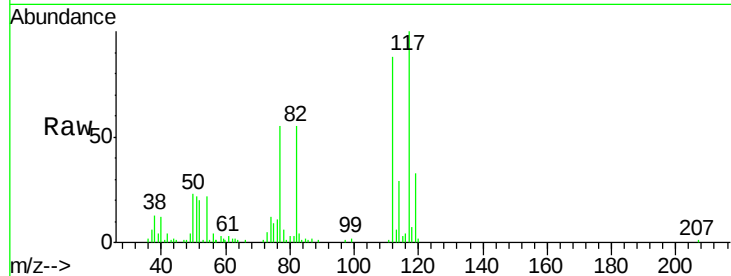
#65
Chlorobenzene
Concen: 5.197 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 56267
Ion Ratio Lower Upper
112 100
114 33.2 25.3 37.9

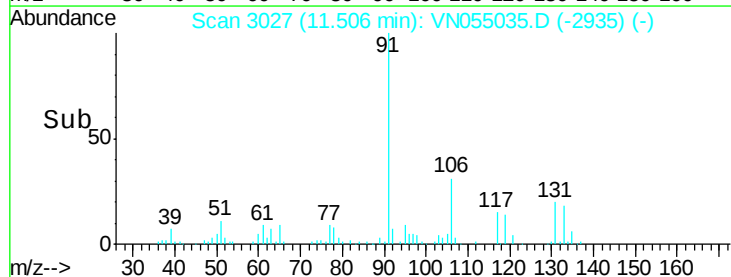
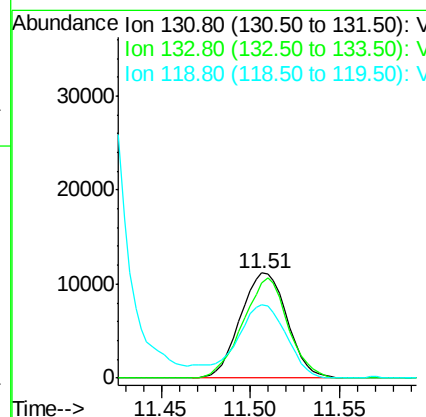
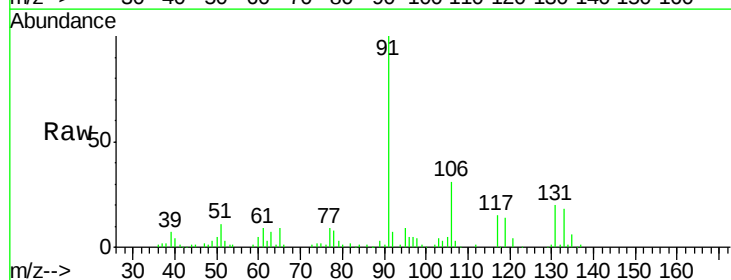
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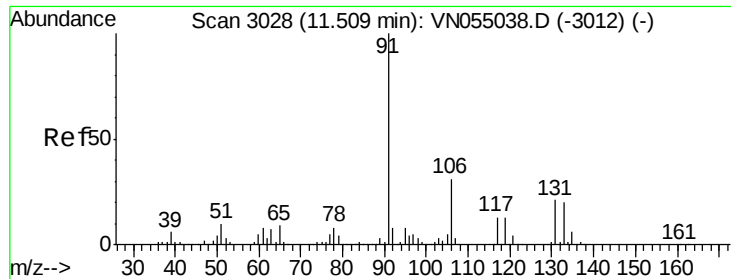
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.153 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Tgt Ion:131 Resp: 20561
Ion Ratio Lower Upper
131 100
133 91.5 47.8 143.3
119 71.9 33.6 100.6





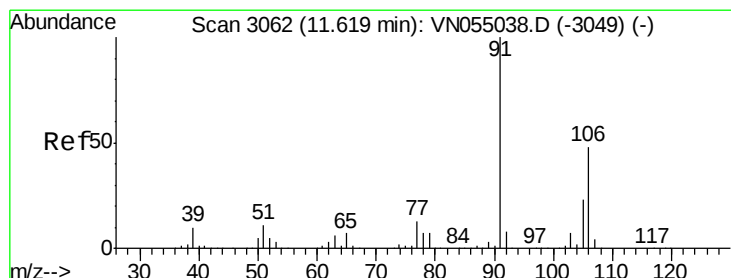
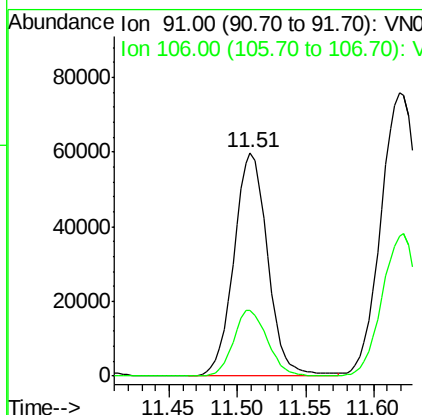
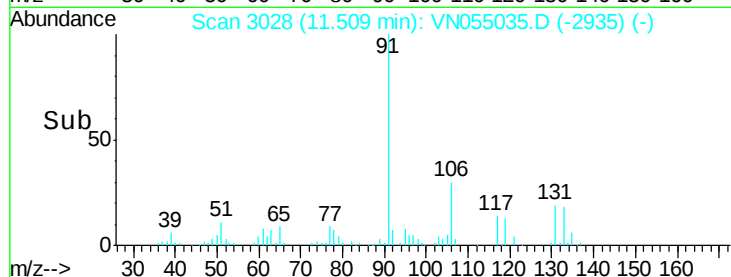
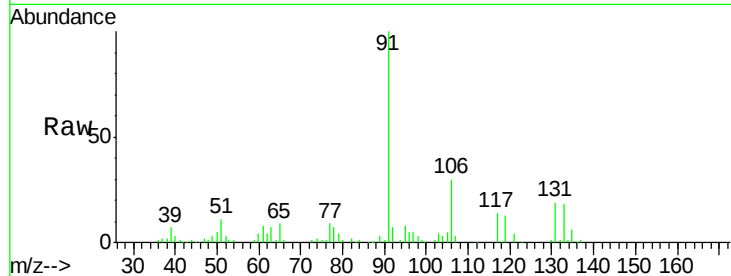
#67
Ethyl Benzene
Concen: 5.179 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.3	36.5

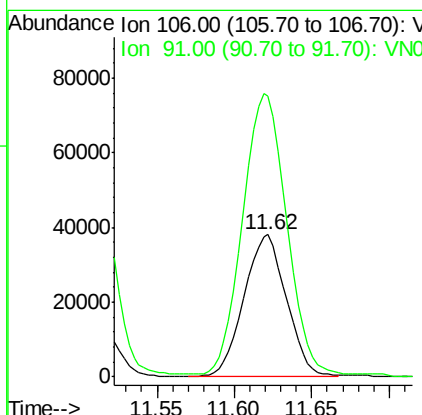
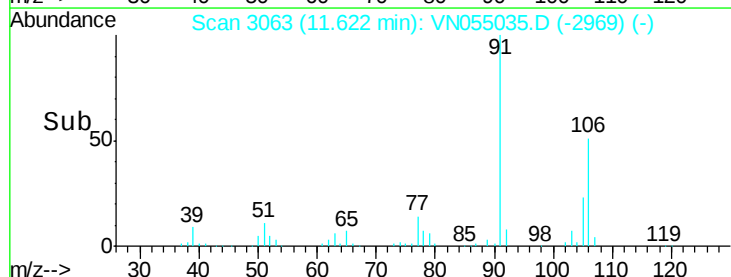
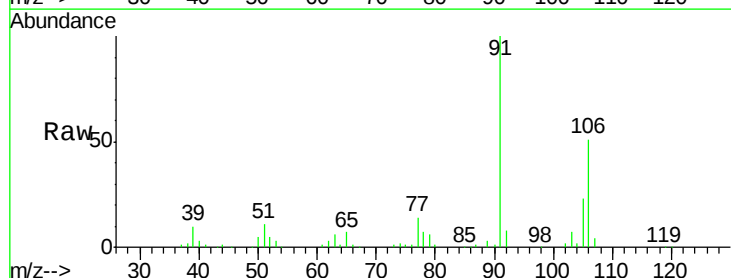
Manual Integrations
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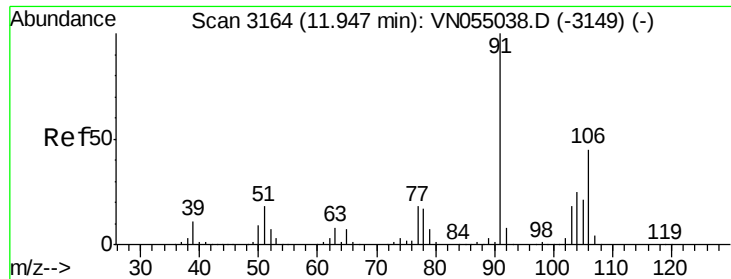
MMDadoda
4/17/2019 1:48:49 PM



#68
m/p-Xylenes
Concen: 9.890 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
106	100		
91	206.0	165.9	248.9





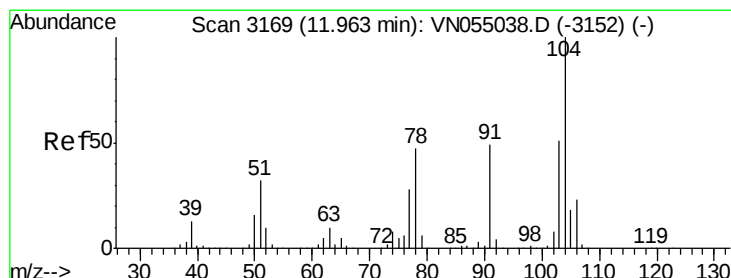
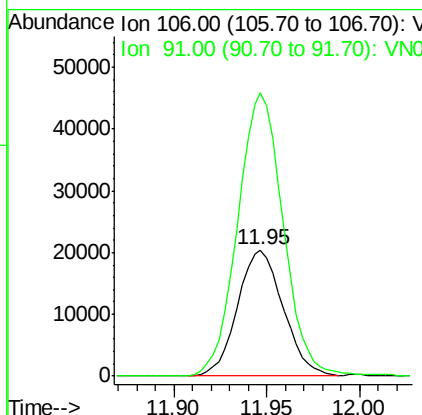
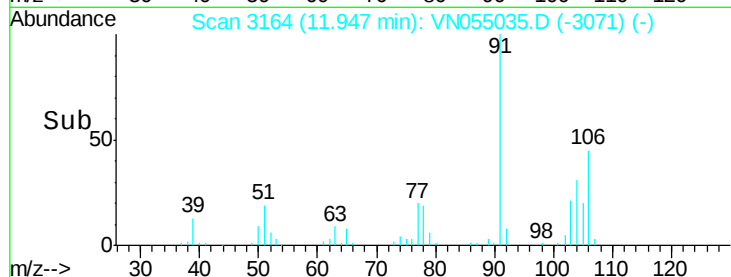
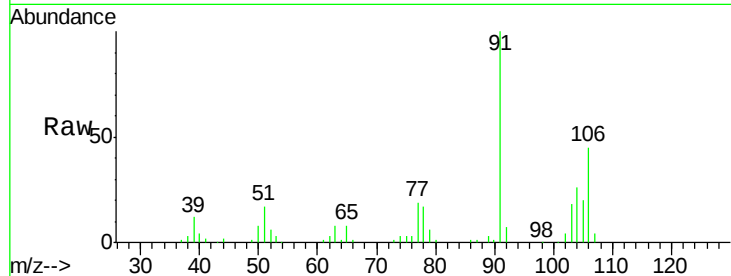
#69
o-Xylene
Concen: 4.854 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 34944
Ion Ratio Lower Upper
106 100
91 224.3 109.9 329.8

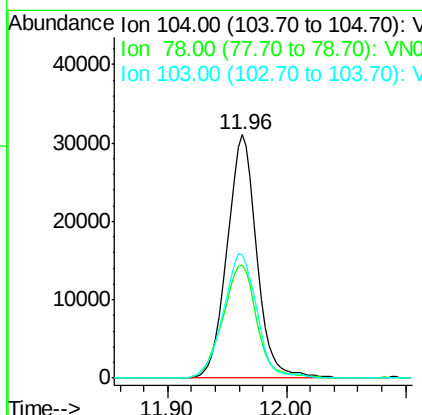
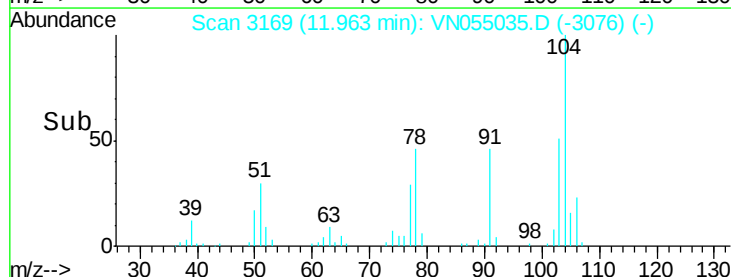
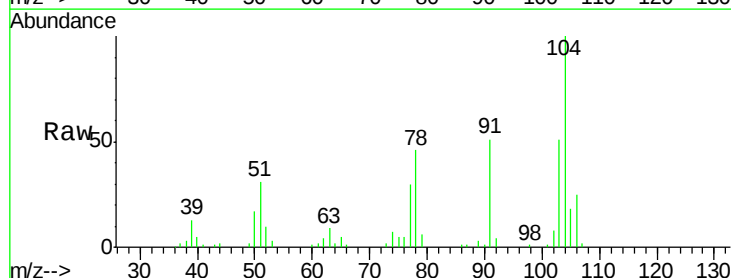
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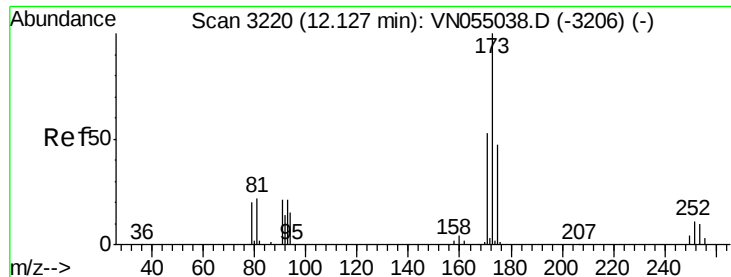
MMDadoda
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#70
Styrene
Concen: 4.682 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Tgt Ion:104 Resp: 53444
Ion Ratio Lower Upper
104 100
78 53.6 40.3 60.5
103 57.0 44.3 66.5





#71

Bromoform

Concen: 4.389 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 10580

Ion Ratio Lower Upper

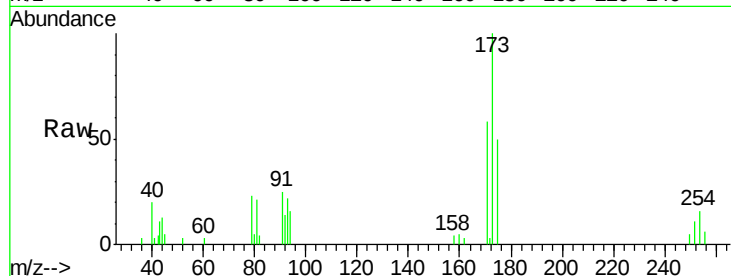
173 100

175 53.5 24.3 73.0

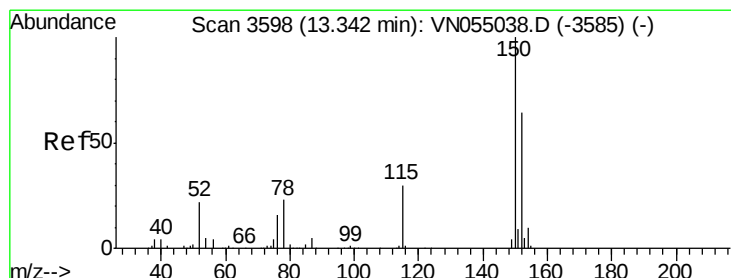
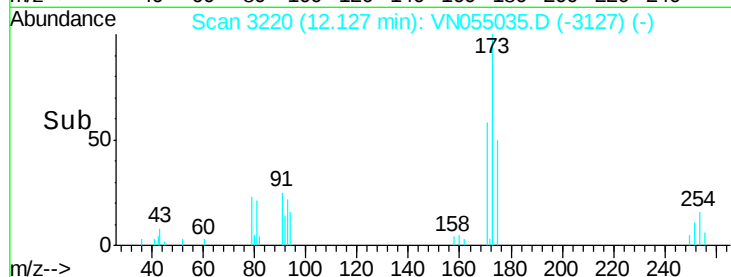
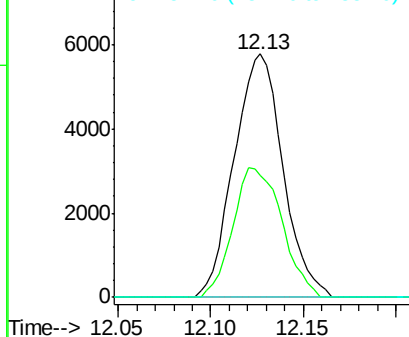
254 0.0 0.1 0.1#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

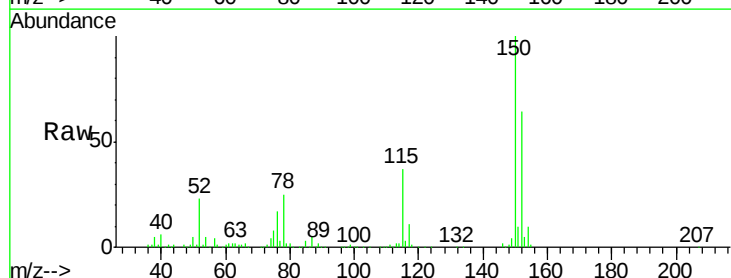
Tgt Ion:152 Resp: 196019

Ion Ratio Lower Upper

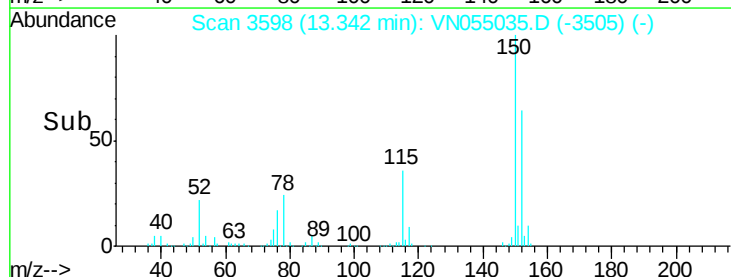
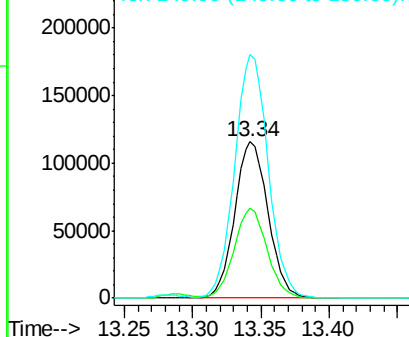
152 100

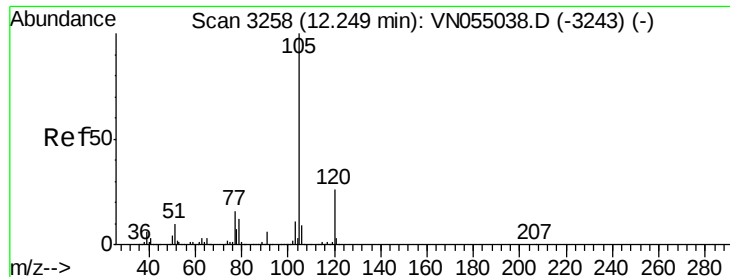
115 56.9 28.5 85.6

150 157.1 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.670 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 94496

Ion Ratio Lower Upper

105 100

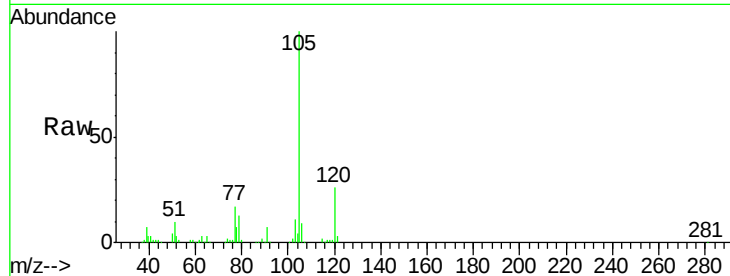
120 26.3 13.3 39.9

Manual Integrations

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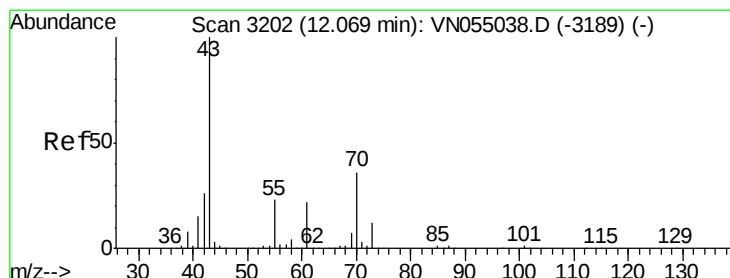
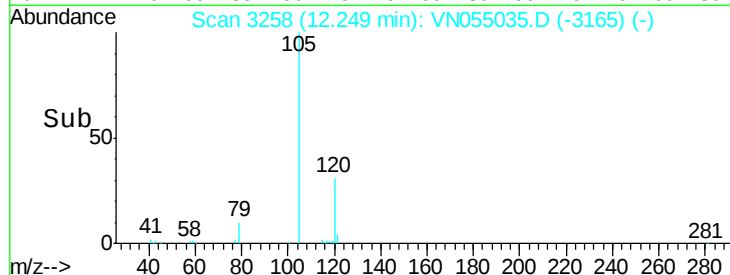
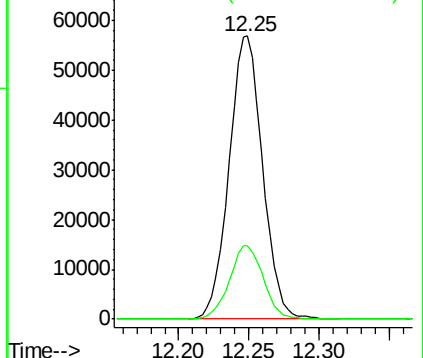
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.705 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Tgt Ion: 43 Resp: 23636

Ion Ratio Lower Upper

43 100

70 32.7 29.4 44.0

55 24.6 19.0 28.4

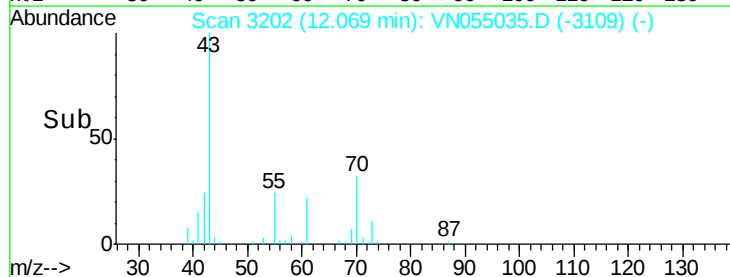
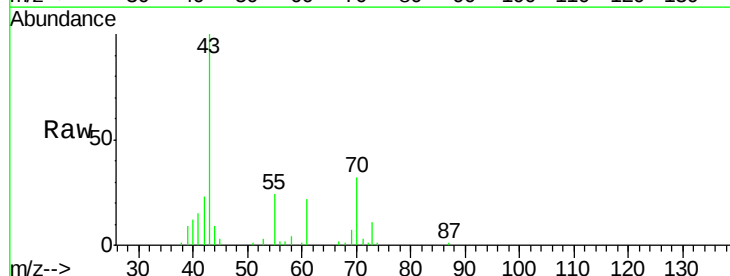
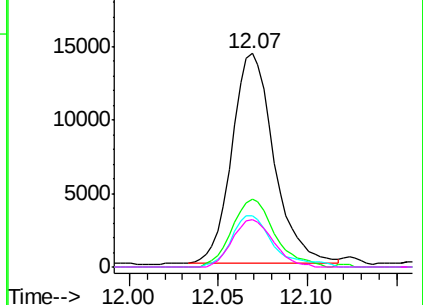
61 21.8 17.7 26.5

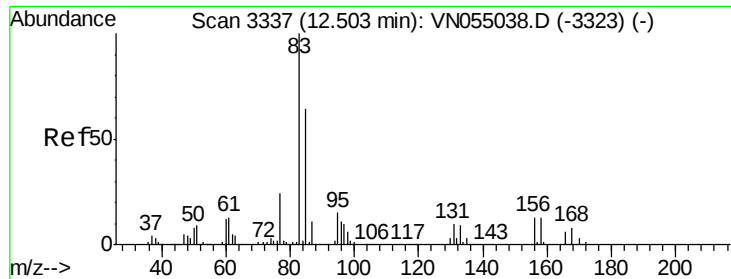
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.662 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Instrument :

MSVOA_N

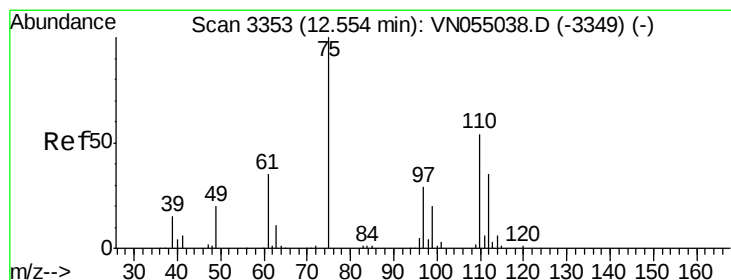
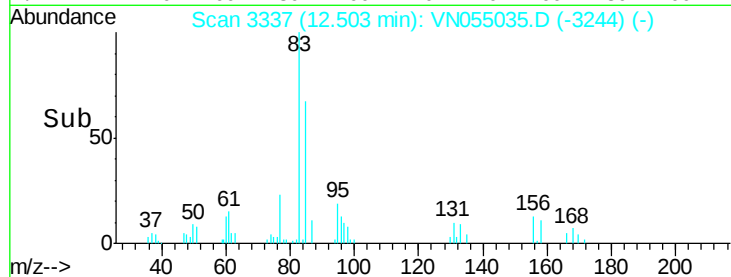
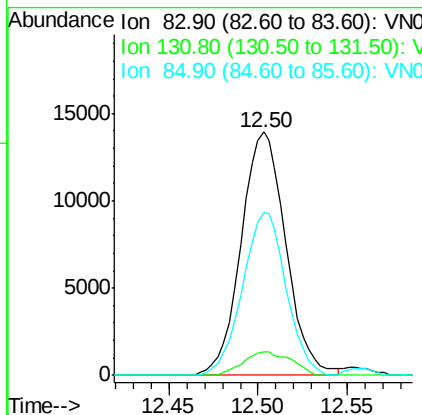
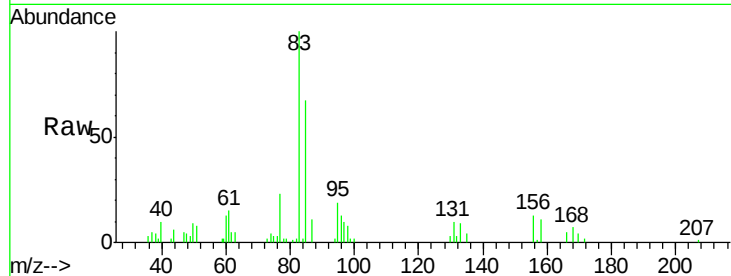
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	24433
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	15.0
85	65.0	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 4.960 ug/l m

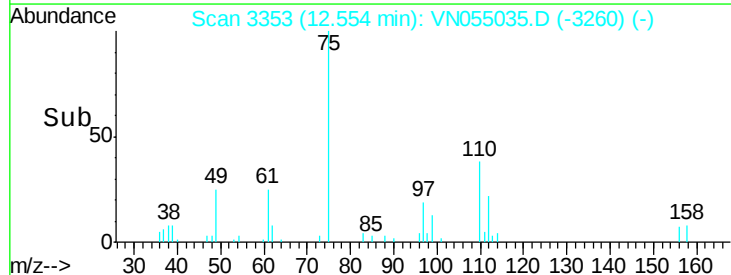
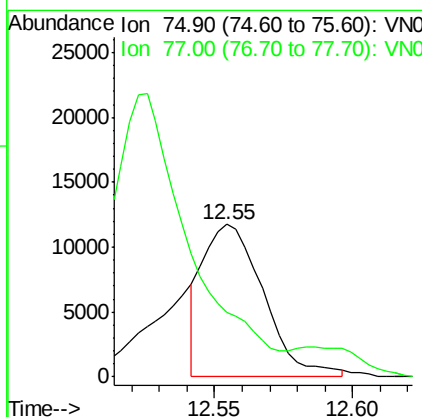
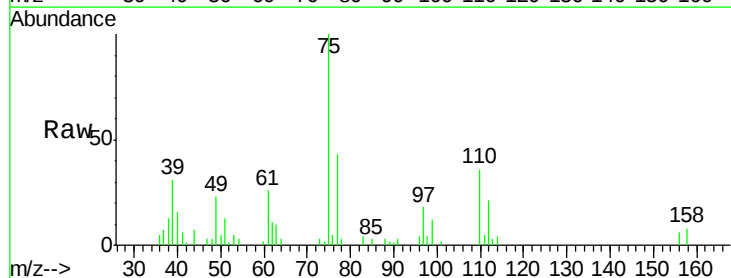
RT: 12.55 min Scan# 3353

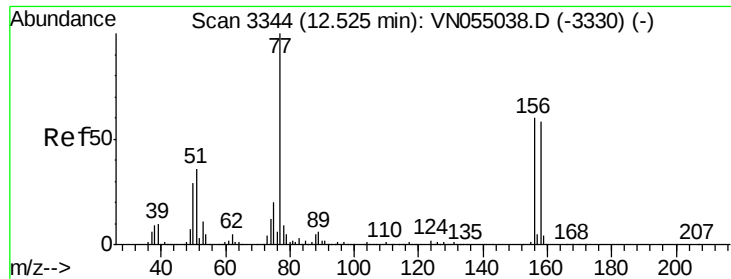
Delta R.T. 0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Tgt Ion:	75	Resp:	17888
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.654 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Instrument :

MSVOA_N

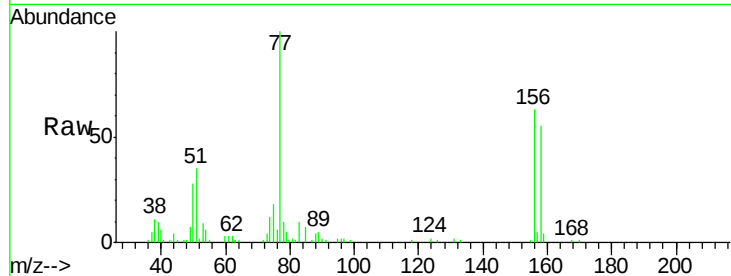
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	23147
Ion Ratio	Lower	Upper	
156	100		
77	191.2	97.2	291.5
158	91.4	48.6	145.9

Manual Integrations
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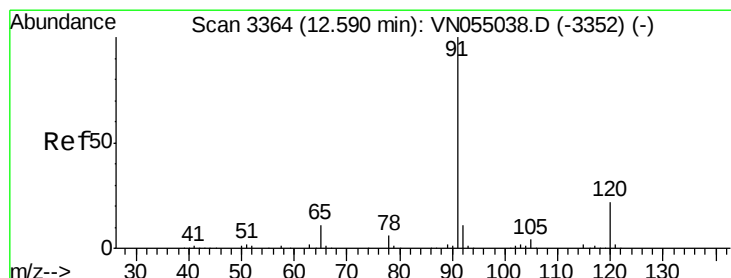
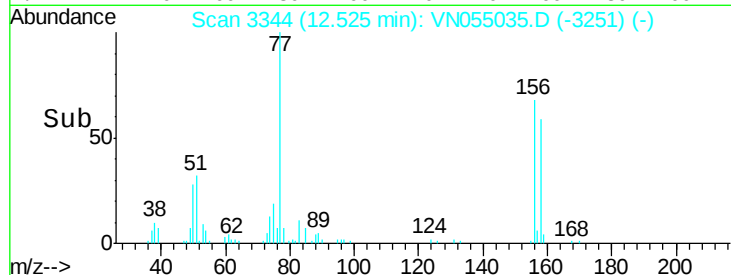
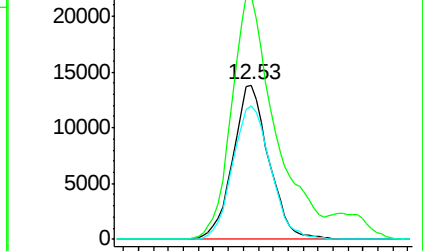
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.330 ug/l

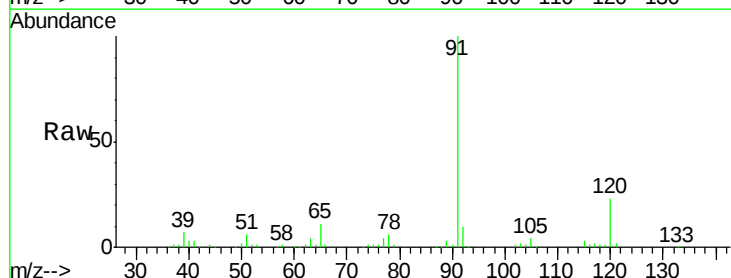
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055035.D

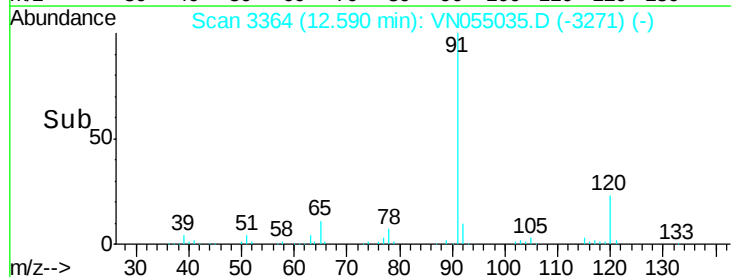
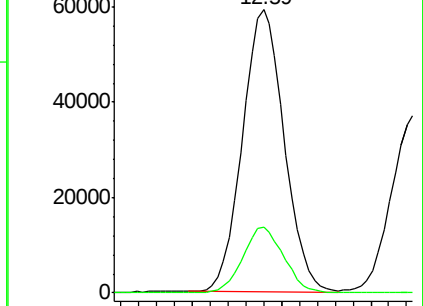
Acq: 15 Apr 2019 9:50

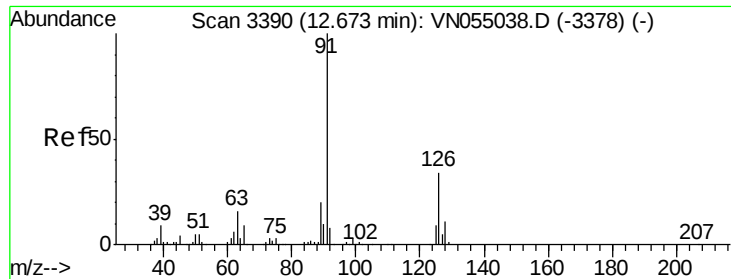
Tgt Ion:	91	Resp:	96788
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.645 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 63321

Ion Ratio Lower Upper

91 100

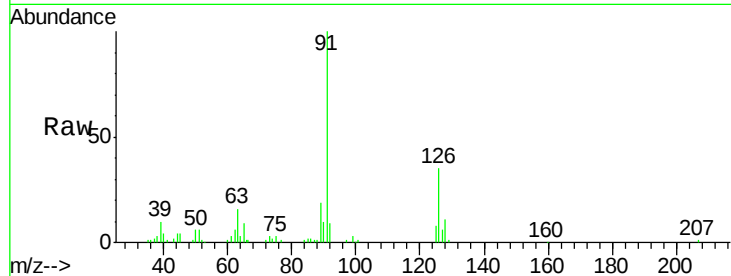
126 35.0 17.1 51.2

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Abundance Ion 91.00 (90.70 to 91.70): VN055038.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055038.D (-3378) (-)

60000

50000

40000

30000

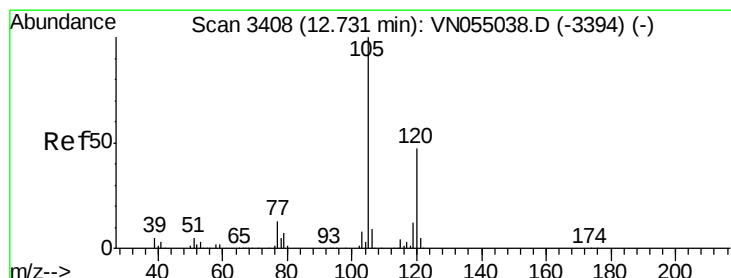
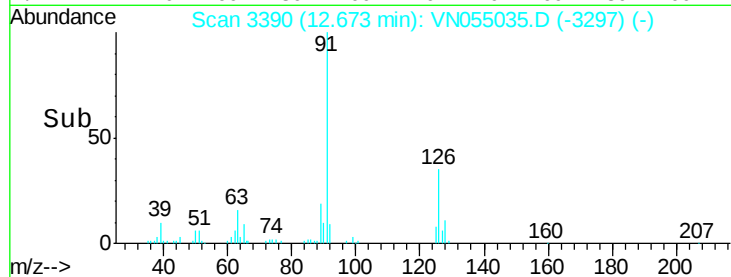
20000

10000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.465 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055035.D

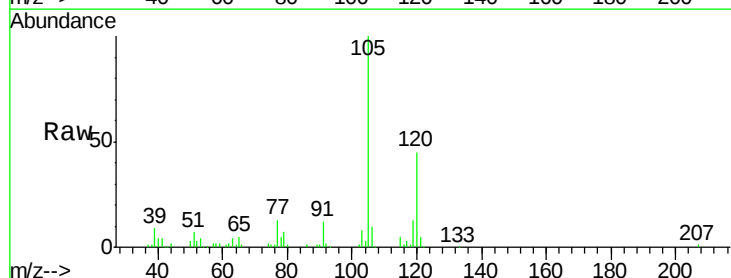
Acq: 15 Apr 2019 9:50

Tgt Ion: 105 Resp: 74142

Ion Ratio Lower Upper

105 100

120 46.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN055038.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN055038.D (-3394) (-)

50000

40000

30000

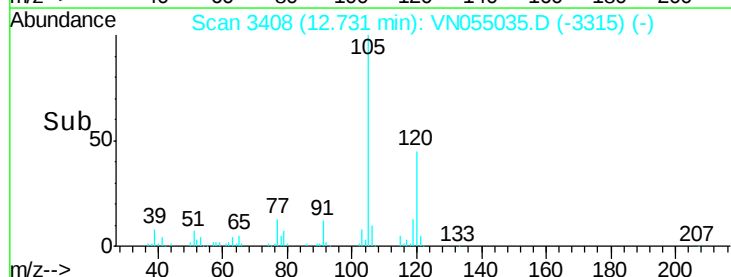
20000

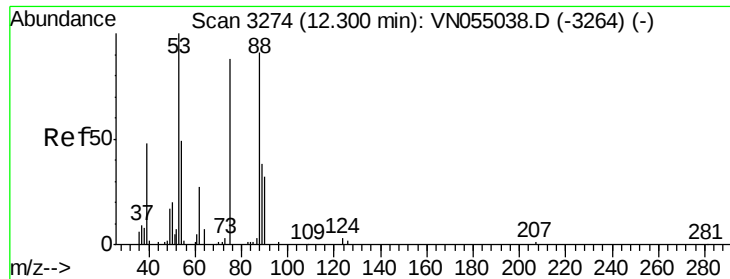
10000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 4.897 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Instrument :

MSVOA_N

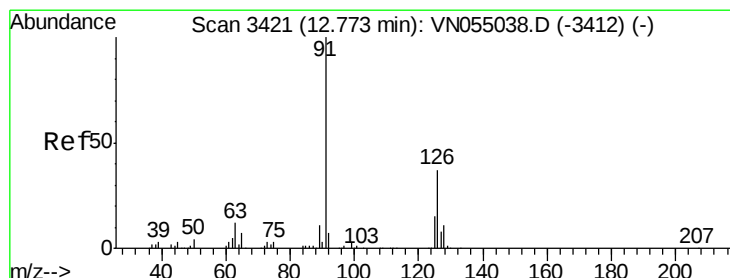
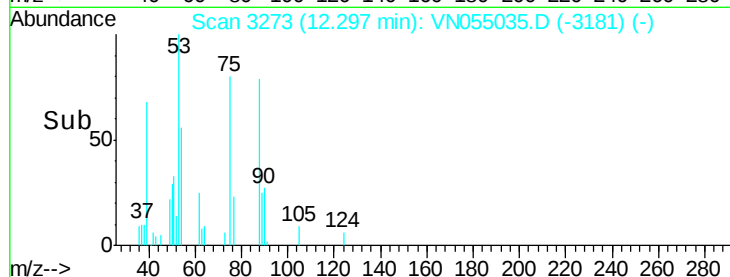
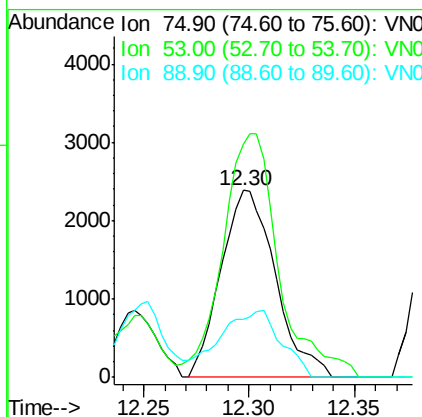
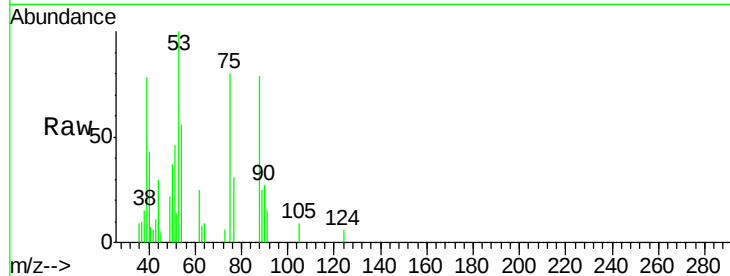
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	4279
Ion	Ratio	Lower	Upper
75	100		
53	133.4	96.3	144.5
89	40.2	38.6	57.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.309 ug/l

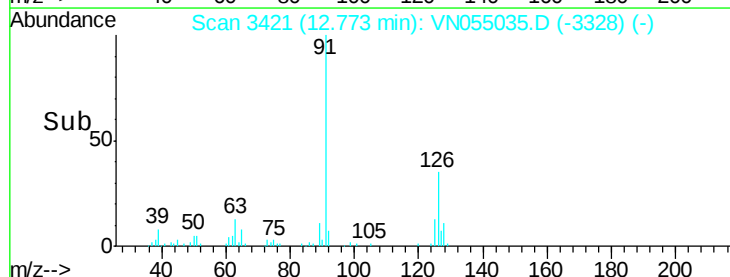
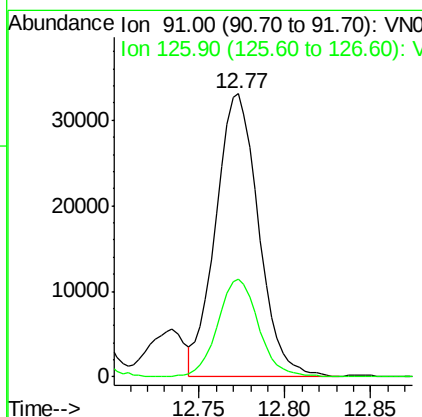
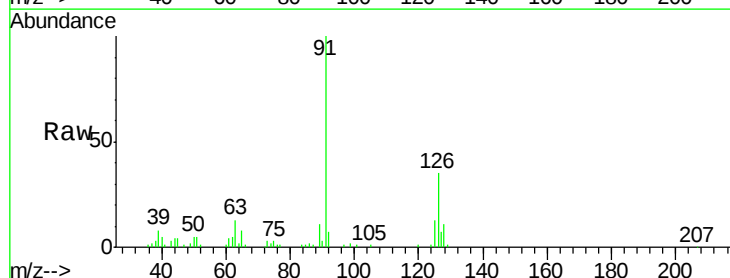
RT: 12.77 min Scan# 3421

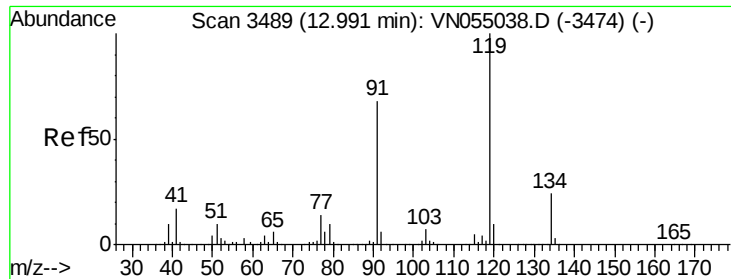
Delta R.T. 0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Tgt Ion:	91	Resp:	57593
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.2





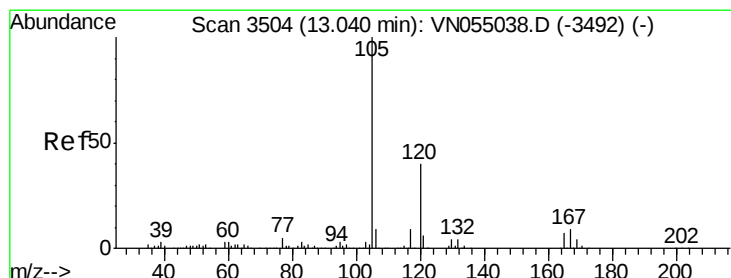
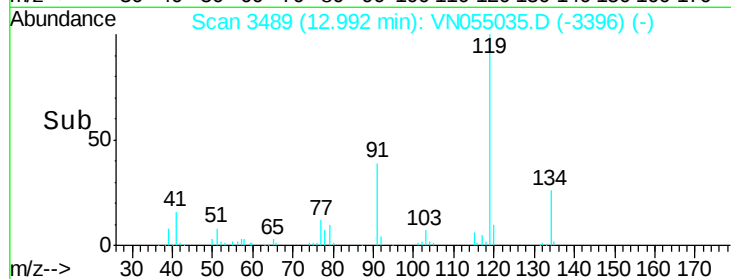
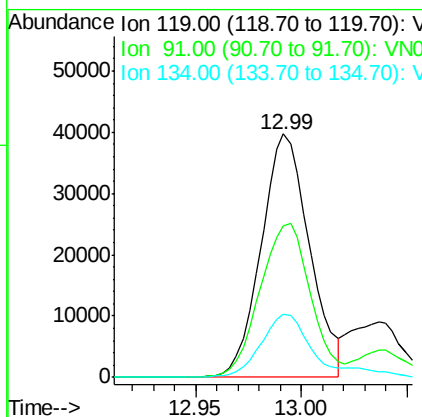
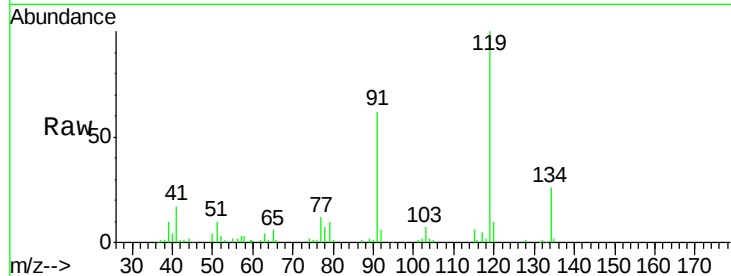
#83
 tert-Butylbenzene
 Concen: 5.463 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	63495		
91	66.1		33.3	99.8
134	28.6		12.3	36.9

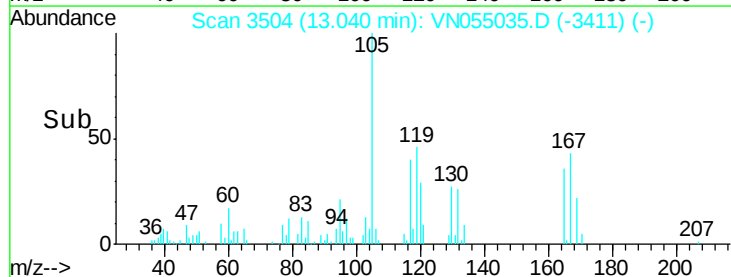
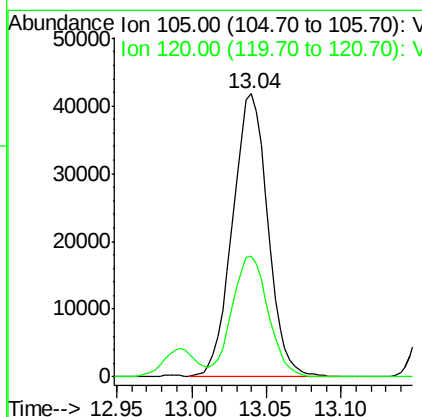
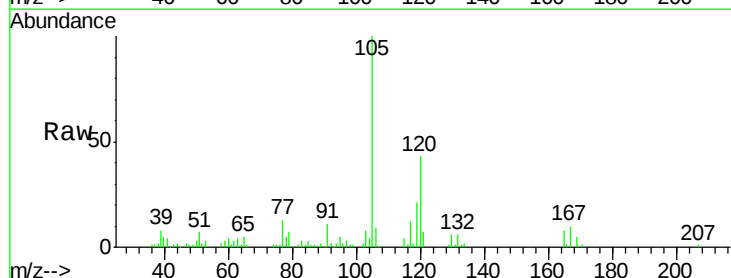
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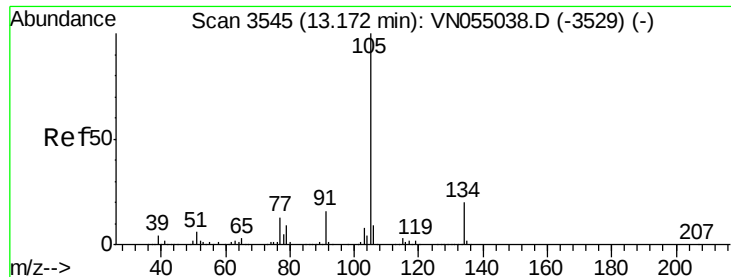
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.298 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	68921		
120	43.6		22.4	67.3





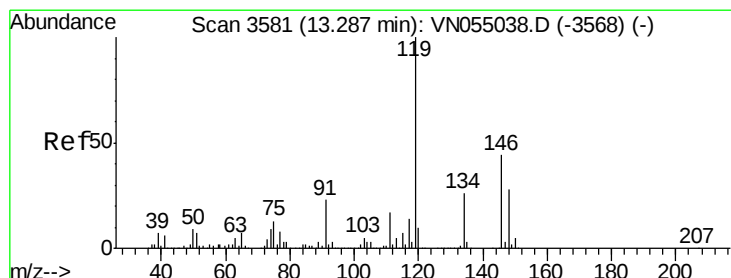
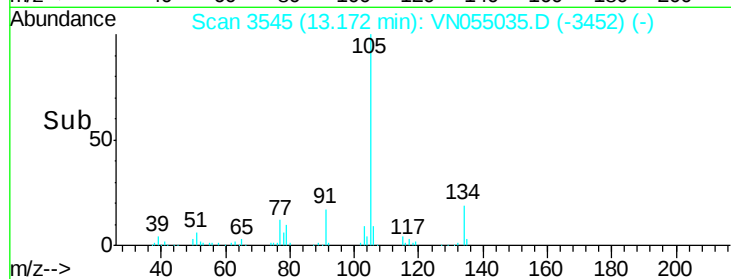
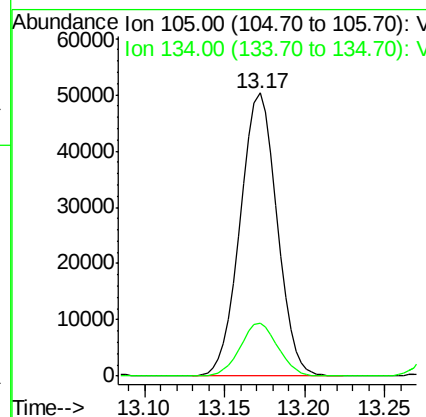
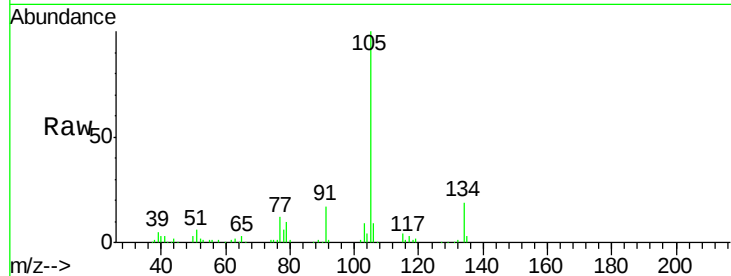
#85
 sec-Butylbenzene
 Concen: 5.309 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.3

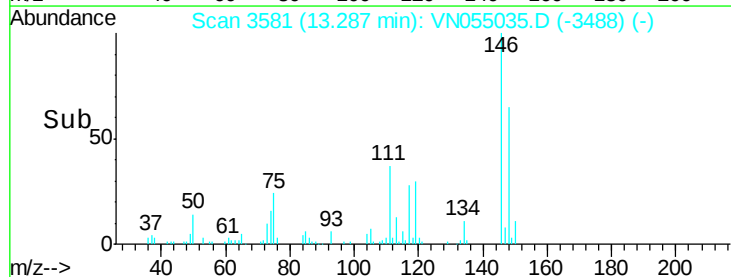
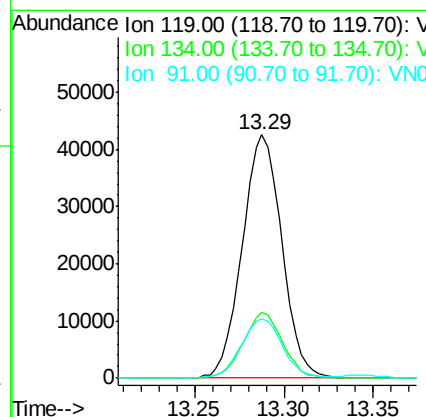
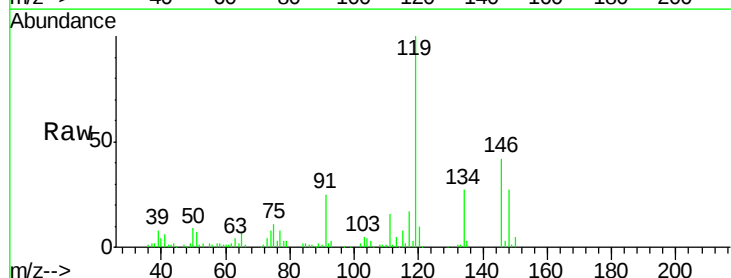
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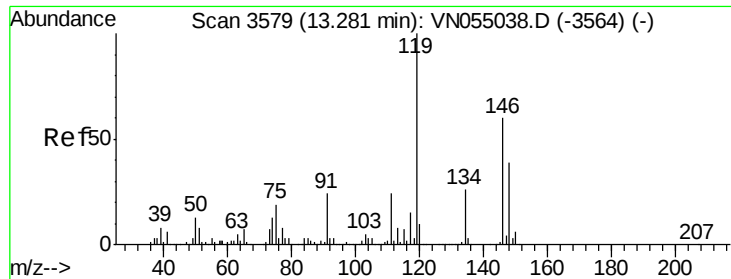
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 5.096 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.2	39.5
91	25.6	11.7	35.1





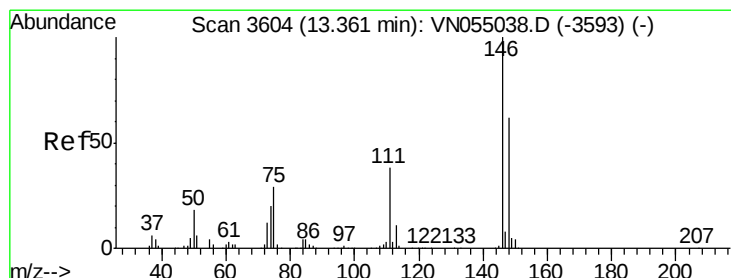
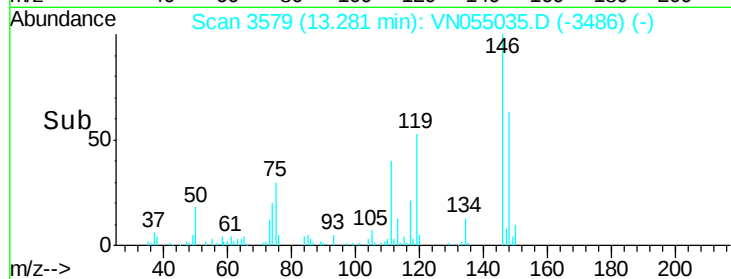
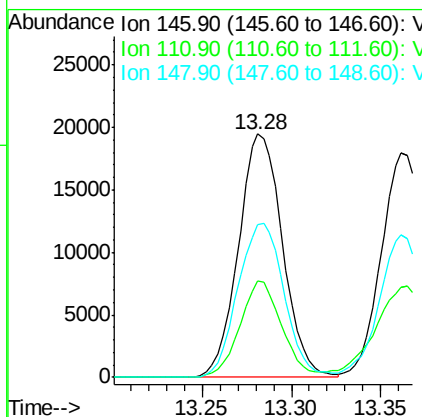
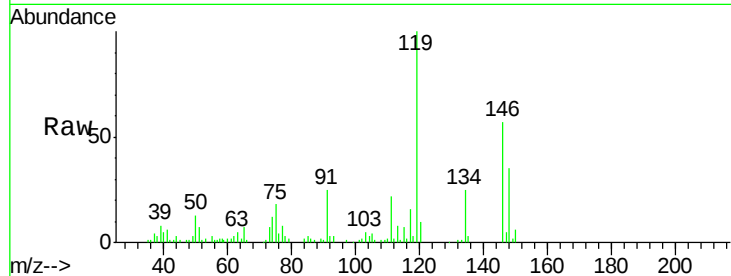
#87
 1,3-Dichlorobenzene
 Concen: 5.034 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.5	58.5
148	66.1	31.6	94.7

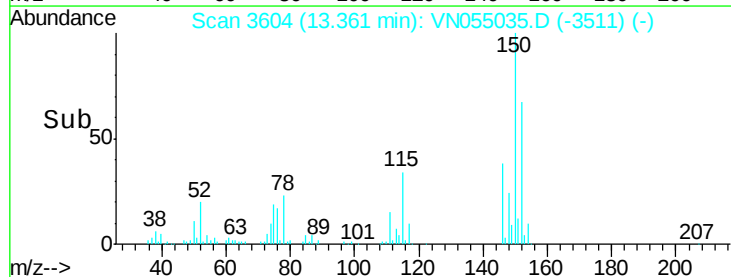
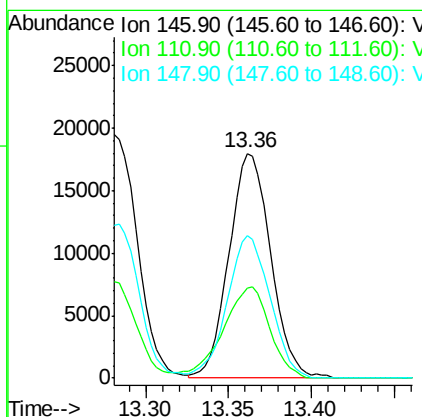
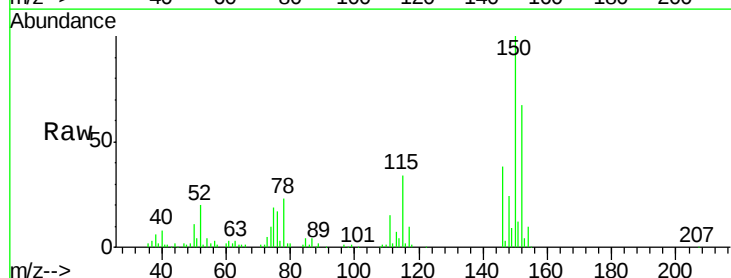
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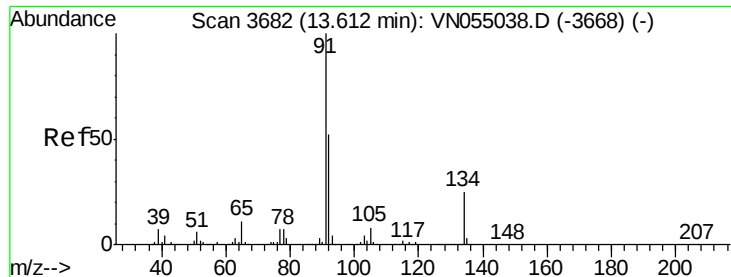
MMDadoda
 4/17/2019 1:48:49 PM



#88
 1,4-Dichlorobenzene
 Concen: 4.940 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.6	18.8	56.4
148	65.4	32.4	97.2





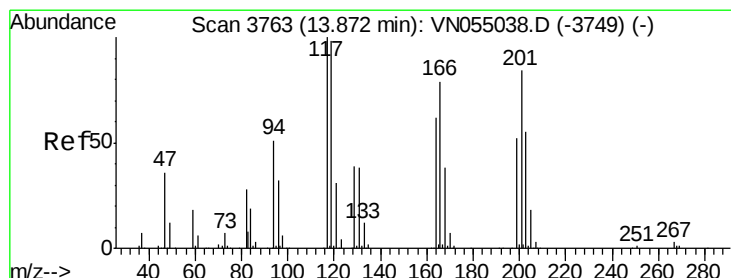
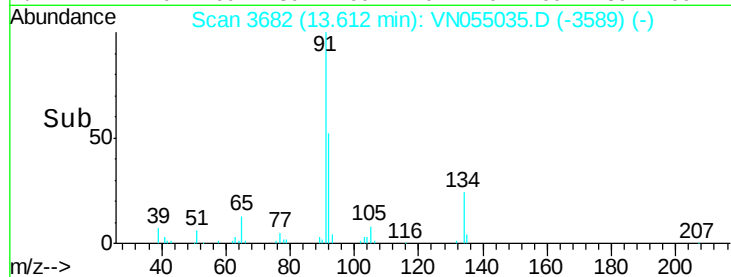
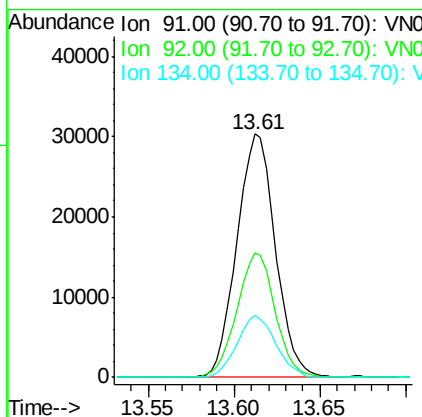
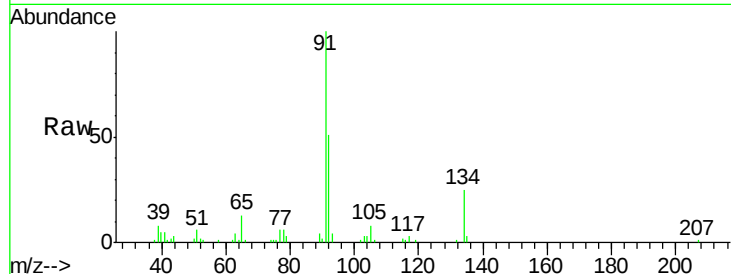
#89
n-Butylbenzene
Concen: 4.645 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.9	77.7
134	25.4	12.8	38.3

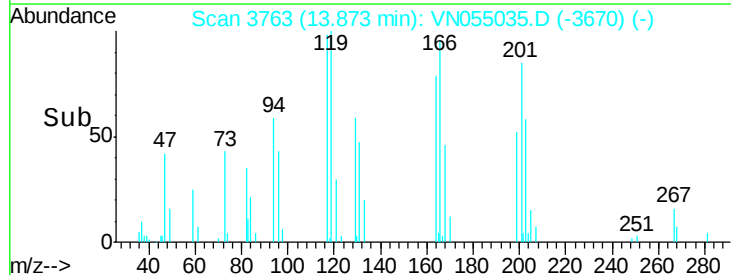
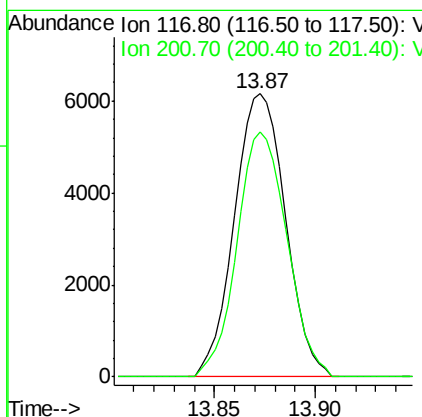
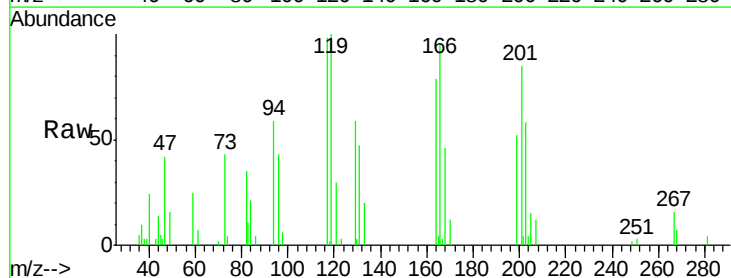
Manual Integrations
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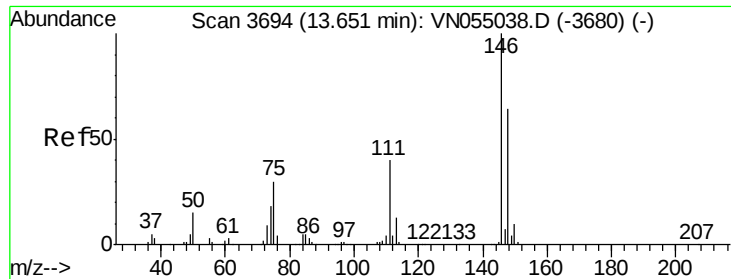
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#90
Hexachloroethane
Concen: 5.124 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055035.D
Acq: 15 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.5	43.4	130.2





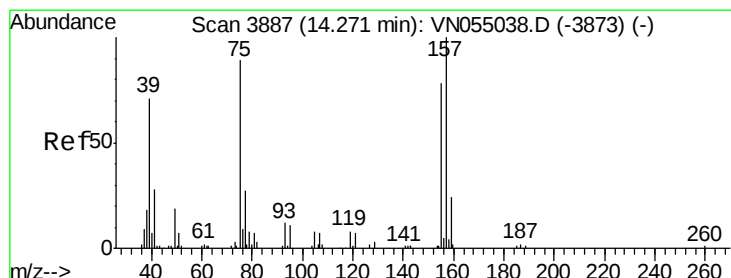
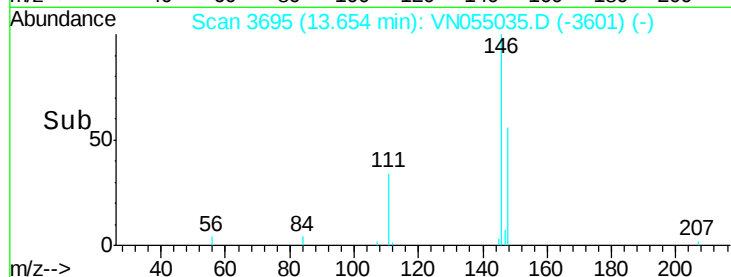
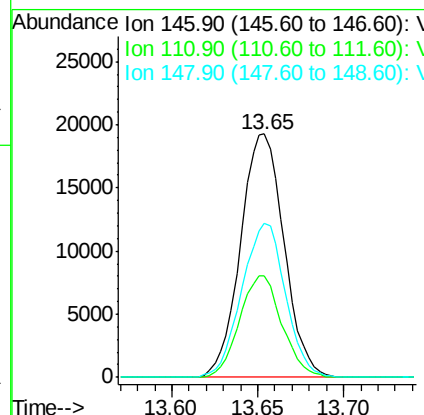
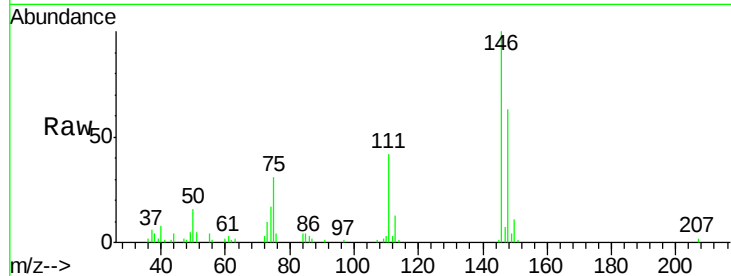
#91
 1,2-Dichlorobenzene
 Concen: 5.222 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.9
148	63.7	32.2	96.6

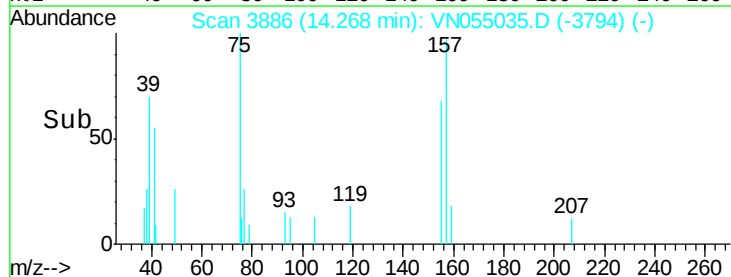
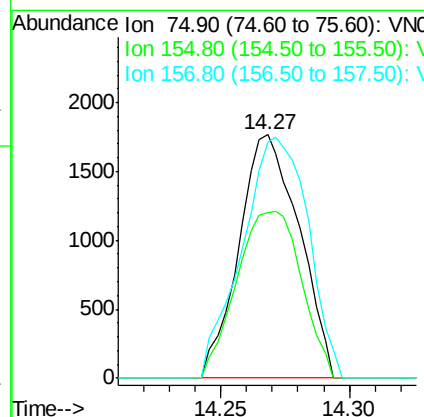
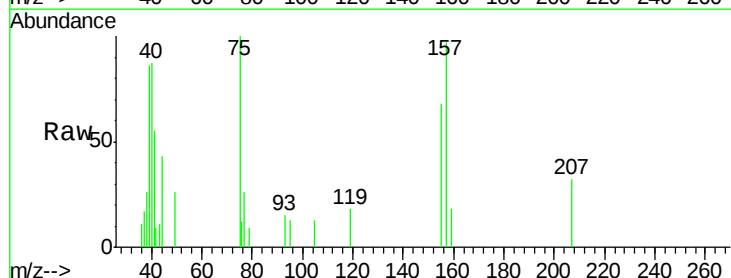
Manual Integrations
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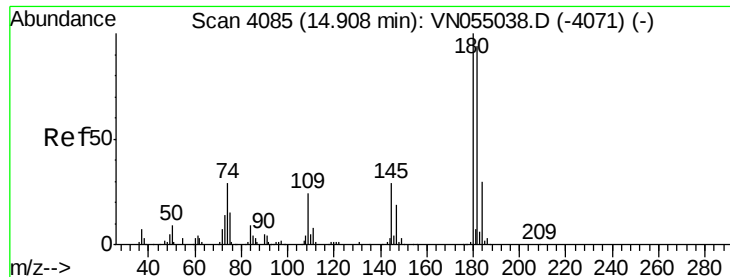
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.120 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.8	42.0	126.0
157	108.7	52.1	156.4





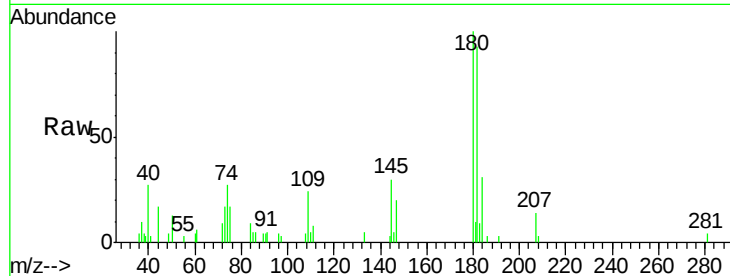
#93
 1,2,4-Trichlorobenzene
 Concen: 3.792 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

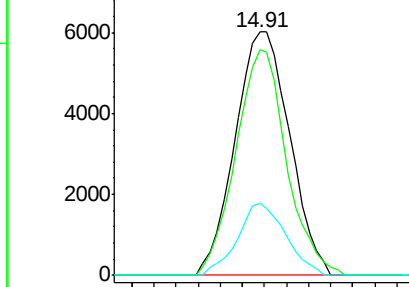
Tot Ion	Ratio	Resp	Lower	Upper
180	100	10320		
182	86.2	47.5	142.6	
145	26.0	14.2	42.8	

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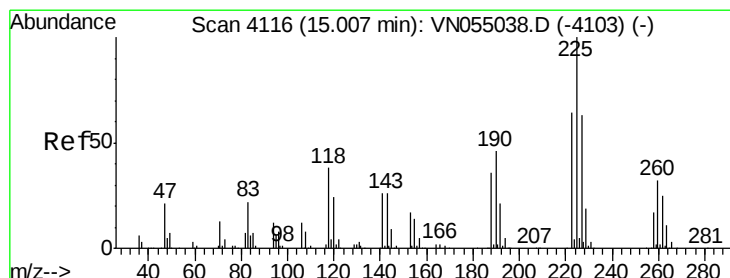
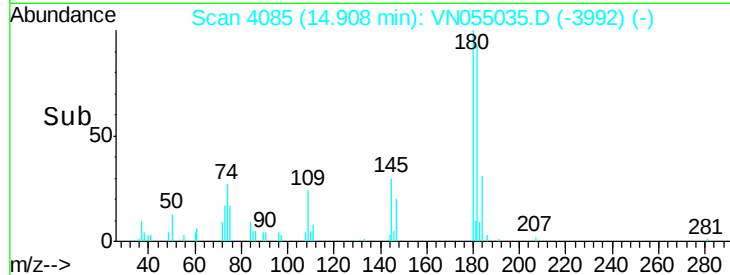
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

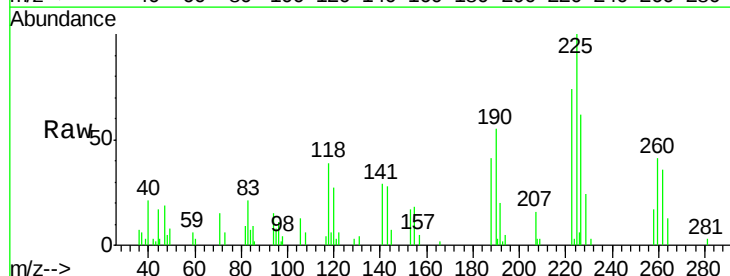


Time--> 14.85 14.90 14.95

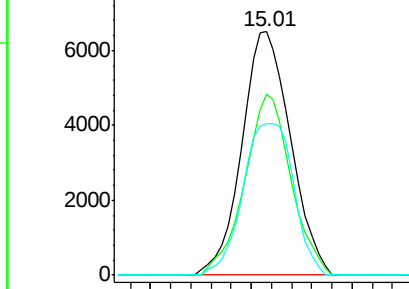


#94
 Hexachlorobutadiene
 Concen: 4.883 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055035.D
 Acq: 15 Apr 2019 9:50

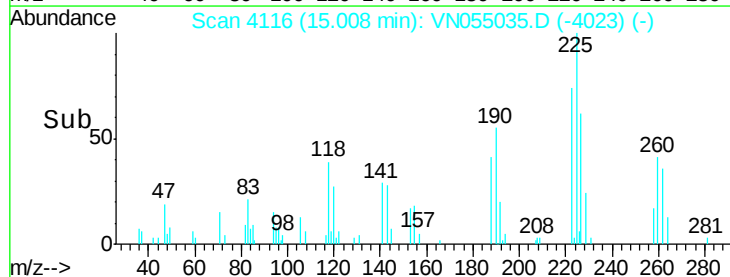
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	10999		
223	70.2	31.4	94.0	
227	65.0	32.6	97.7	

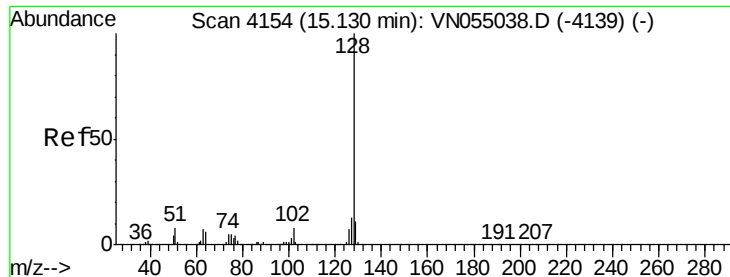


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time--> 14.95 15.00 15.05





#95

Naphthalene

Concen: 3.295 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Instrument :

MSVOA_N

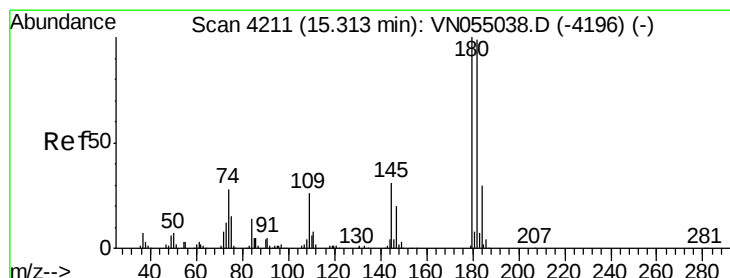
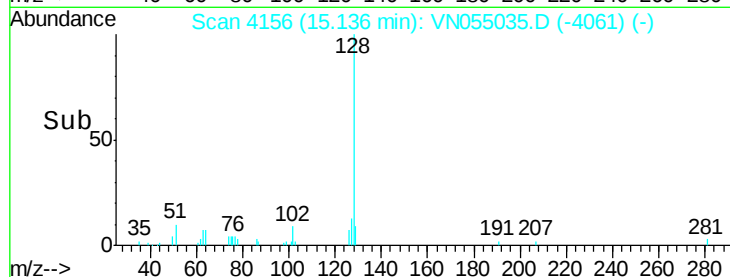
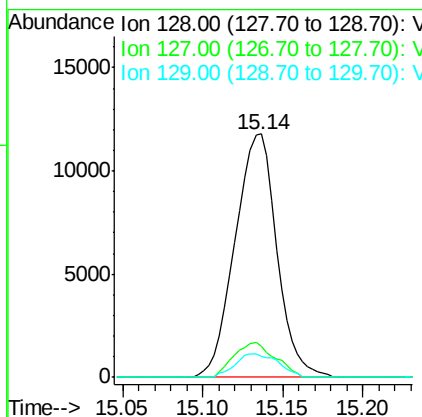
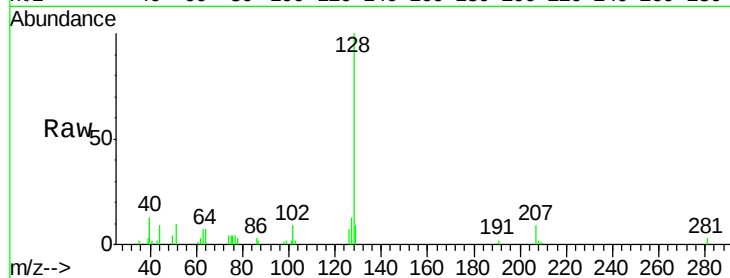
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	20990
Ion Ratio	Lower	Upper	
128	100		
127	14.1	10.1	15.1
129	9.9	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 3.474 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055035.D

Acq: 15 Apr 2019 9:50

Tgt Ion:	180	Resp:	10130
Ion Ratio	Lower	Upper	
180	100		
182	99.0	48.0	144.0
145	32.3	15.3	45.9

