

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042522\
 Data File : VN072191.D
 Acq On : 25 Apr 2022 19:53
 Operator : JC\MD
 Sample : N2524-09 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 33660

Quant Time: Apr 26 05:41:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

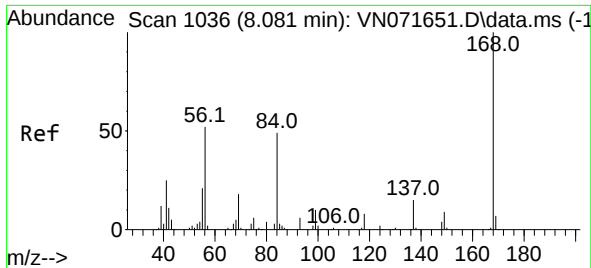
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.086	168	488981	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	840113	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	896062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	345663	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	249010	44.607	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.220%		
35) Dibromofluoromethane	8.022	113	236112	47.761	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.520%		
50) Toluene-d8	10.439	98	1047752	51.810	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.620%		
62) 4-Bromofluorobenzene	12.727	95	371466	56.795	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	113.600%		
Target Compounds					Qvalue	
3) Chloromethane	2.299	50	1286	0.261	ug/l	95
6) Chloroethane	3.099	64	4481	1.151	ug/l #	66
11) Tert butyl alcohol	5.328	59	4353	4.805	ug/l #	72
16) Acetone	4.293	43	15933	6.679	ug/l	95
25) 2-Butanone	7.334	43	6924	2.013	ug/l	91
31) Cyclohexane	8.081	56	7220	0.951	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	29826	4.320	ug/l #	49
37) Ethyl Acetate	7.334	43	6924	0.916	ug/l #	67
38) Carbon Tetrachloride	8.081	117	41085	6.072	ug/l #	18
40) Benzene	8.457	78	302030	13.850	ug/l	100
43) Isopropyl Acetate	8.633	43	84278	6.706	ug/l #	54
51) 4-Methyl-2-Pentanone	10.327	43	2630	0.364	ug/l #	81
52) Toluene	10.504	92	276211	20.037	ug/l	99
55) 1,1,2-Trichloroethane	10.751	97	4538	0.800	ug/l #	19
59) 2-Hexanone	11.086	43	2086	0.410	ug/l	63
67) Ethyl Benzene	11.839	91	36162	1.191	ug/l	93
68) m/p-Xylenes	11.945	106	87637	7.509	ug/l	93
69) o-Xylene	12.274	106	48574	4.193	ug/l	95
70) Styrene	12.292	104	34690	1.977	ug/l #	86
76) 1,2,3-Trichloropropane	12.727	75	169421	21.158	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	8321	0.361	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.727	75	169421	65.567	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.368	105	26999	1.199	ug/l	98
85) sec-Butylbenzene	13.368	105	26999	0.987	ug/l #	56
95) Naphthalene	15.504	128	300511	21.442	ug/l	99
96) 1,2,3-Trichlorobenzene	15.704	180	59	2.425	ug/l #	68

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

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QLast Update : Thu Mar 31 01:57:54 2022
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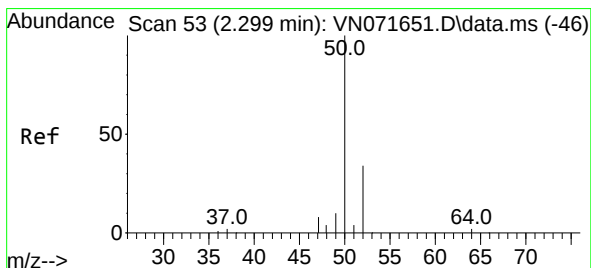
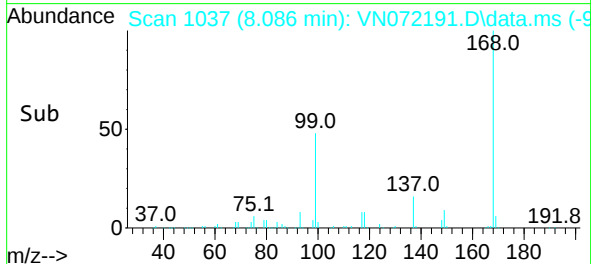
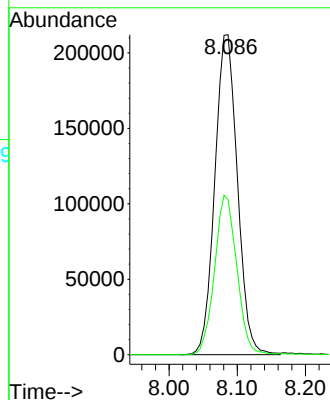
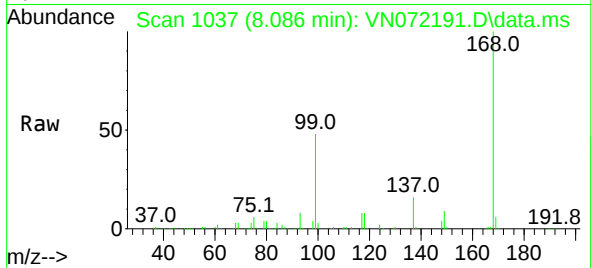




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

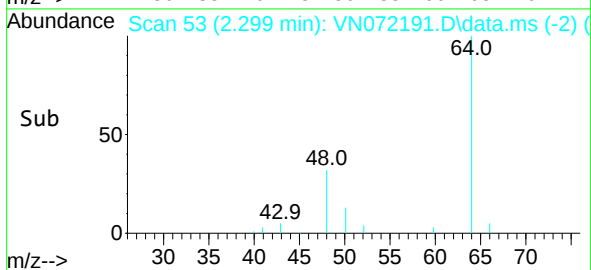
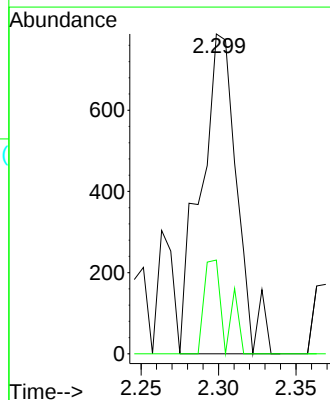
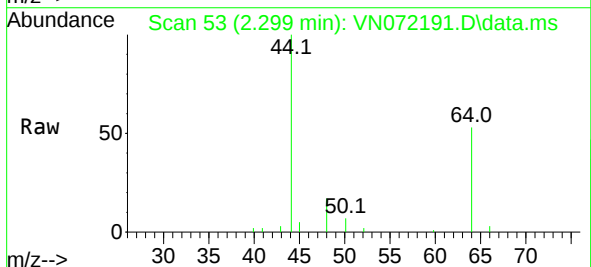
Instrument :
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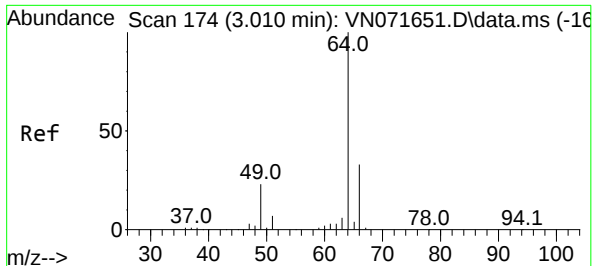
Tgt Ion:168 Resp: 488981
Ion Ratio Lower Upper
168 100
99 48.5 42.3 63.5



#3
Chloromethane
Concen: 0.261 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

Tgt Ion: 50 Resp: 1286
Ion Ratio Lower Upper
50 100
52 29.3 25.7 38.5

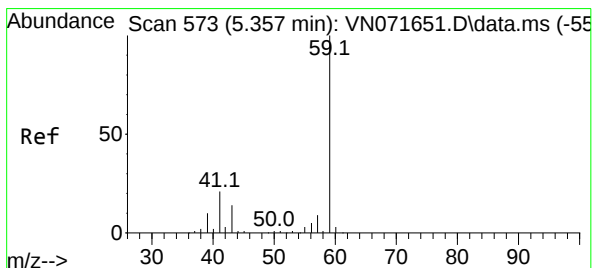
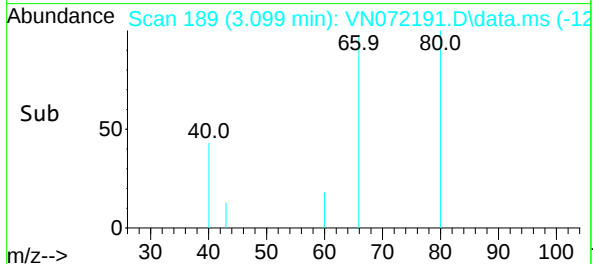
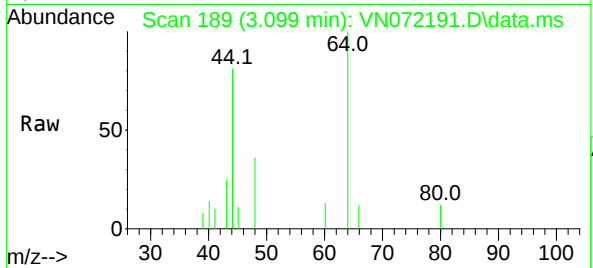




#6
Chloroethane
Concen: 1.151 ug/l
RT: 3.099 min Scan# 11
Delta R.T. 0.089 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

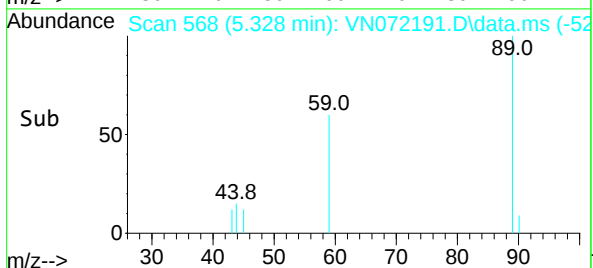
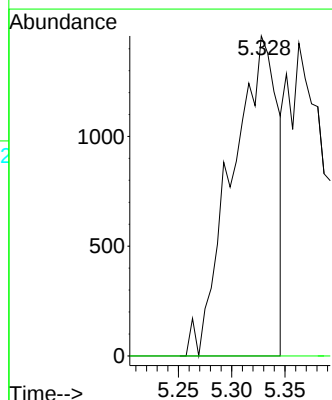
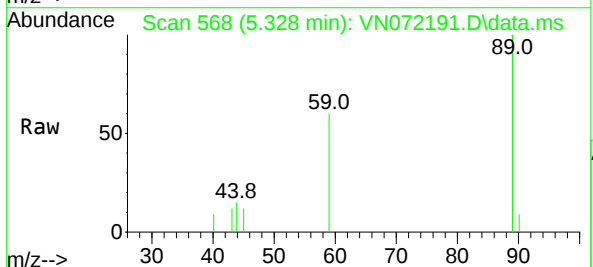
Instrument :
MSVOA_N
ClientSampleId :
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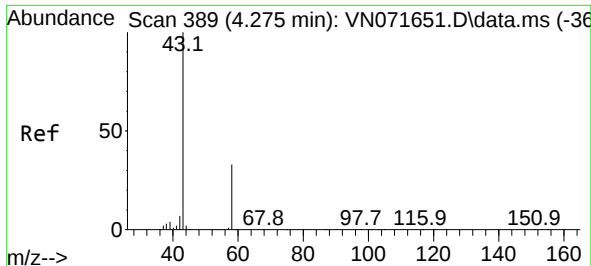
Tgt Ion: 64 Resp: 4481
Ion Ratio Lower Upper
64 100
66 13.9 26.2 39.4#



#11
Tert butyl alcohol
Concen: 4.805 ug/l
RT: 5.328 min Scan# 568
Delta R.T. -0.029 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

Tgt Ion: 59 Resp: 4353
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

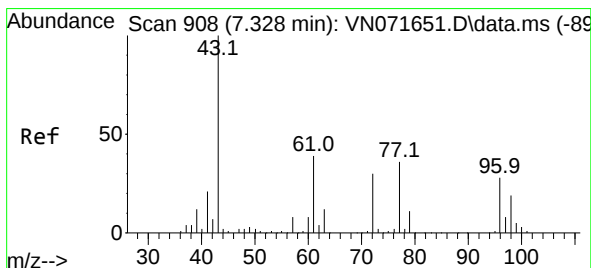
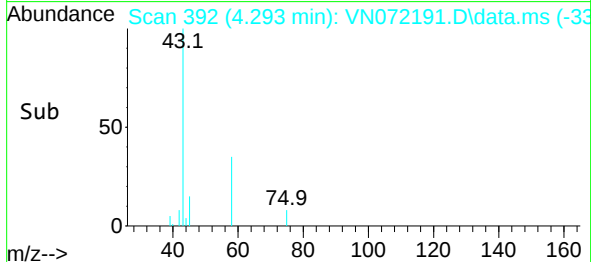
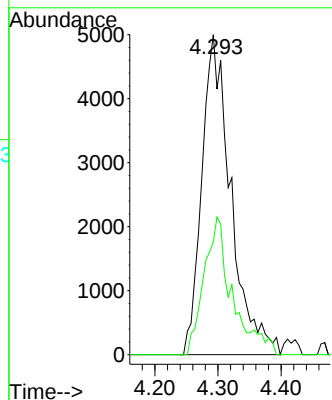
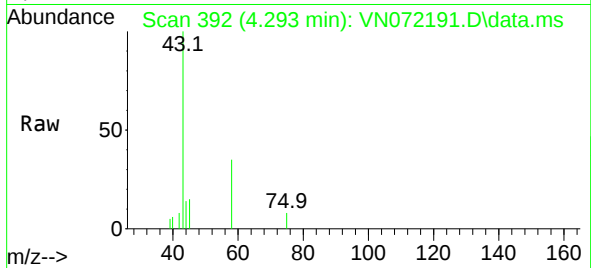




#16
Acetone
Concen: 6.679 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

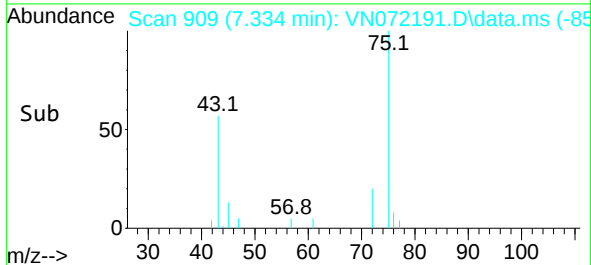
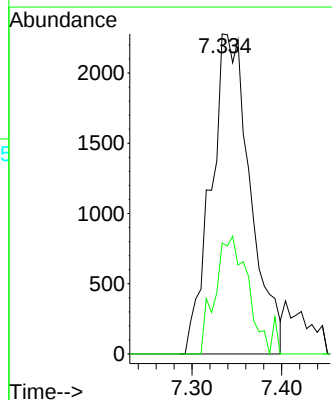
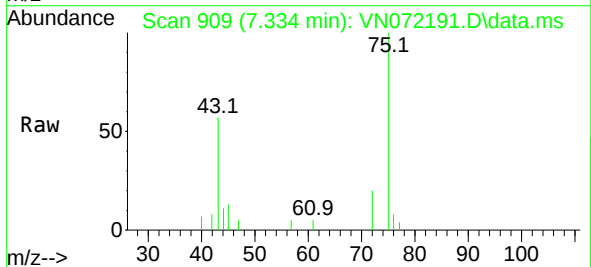
Instrument :
MSVOA_N
ClientSampleId :
33660

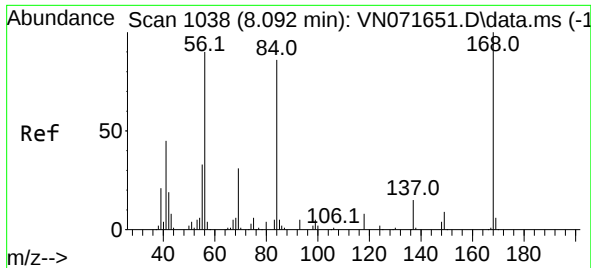
Tgt Ion: 43 Resp: 15933
Ion Ratio Lower Upper
43 100
58 35.3 26.0 39.0



#25
2-Butanone
Concen: 2.013 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

Tgt Ion: 43 Resp: 6924
Ion Ratio Lower Upper
43 100
72 34.7 23.7 35.5

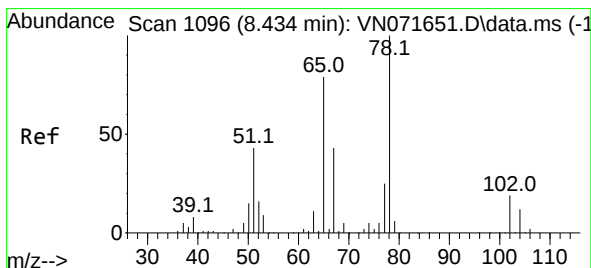
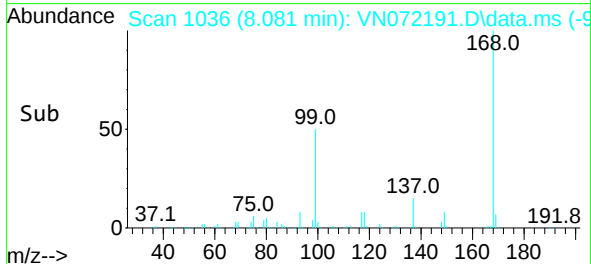
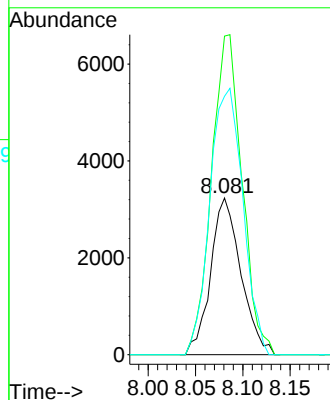
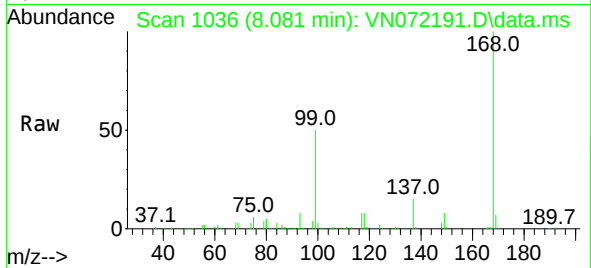




#31
Cyclohexane
Concen: 0.951 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

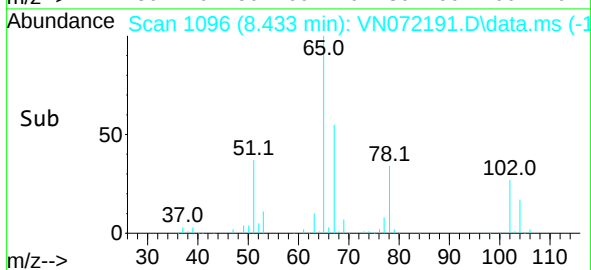
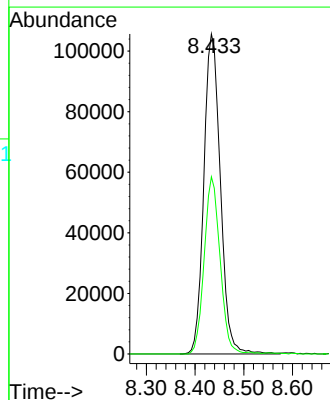
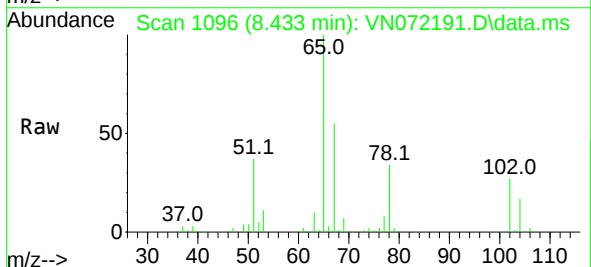
Instrument :
MSVOA_N
ClientSampleId :
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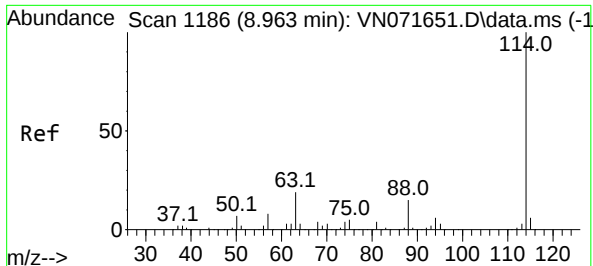
Tgt Ion: 56 Resp: 7220
Ion Ratio Lower Upper
56 100
69 203.4 27.8 41.8#
84 165.0 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 44.607 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

Tgt Ion: 65 Resp: 249010
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072191.D

Acq: 25 Apr 2022 19:53

Instrument :

MSVOA_N

ClientSampleId :

33660

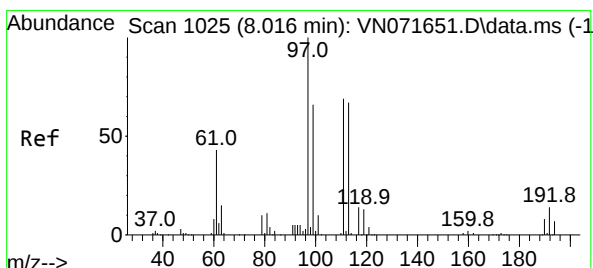
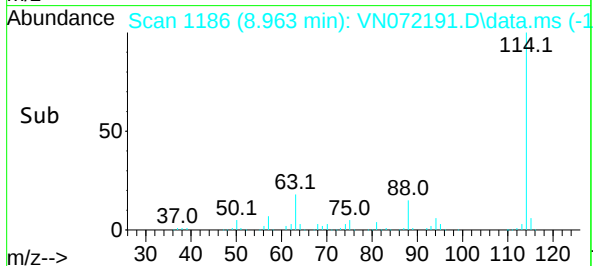
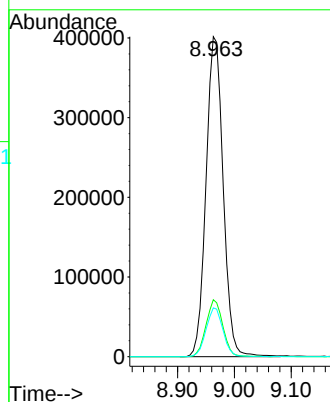
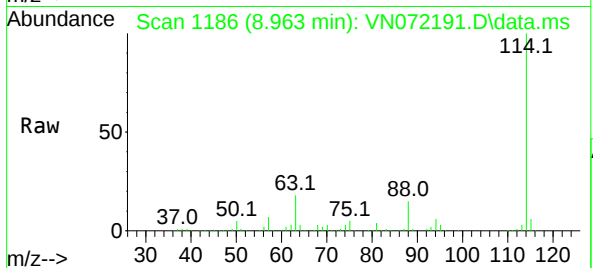
Tgt Ion:114 Resp: 840113

Ion Ratio Lower Upper

114 100

63 17.8 0.0 40.0

88 15.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.761 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072191.D

Acq: 25 Apr 2022 19:53

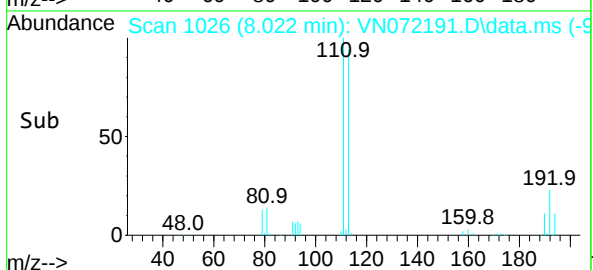
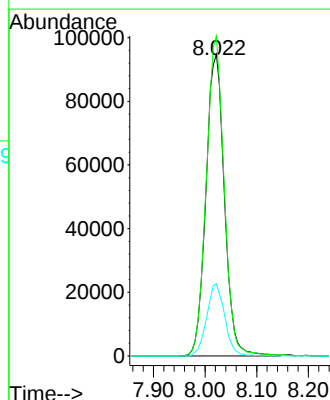
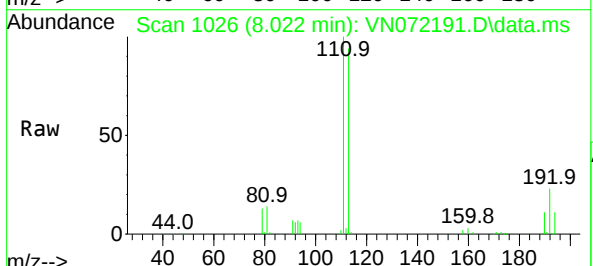
Tgt Ion:113 Resp: 236112

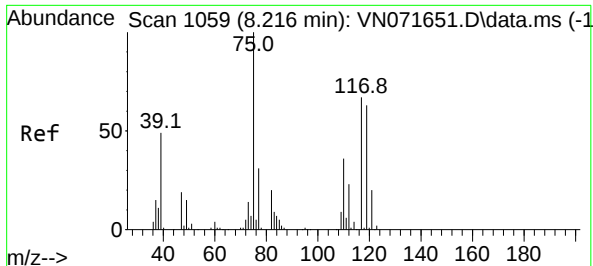
Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 23.3 17.0 25.6

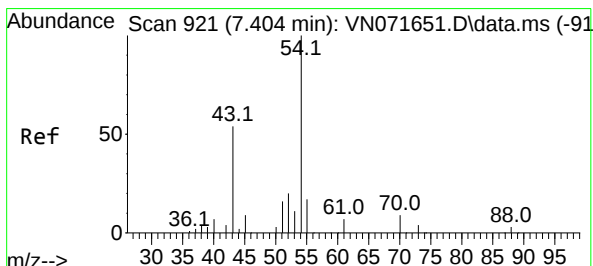
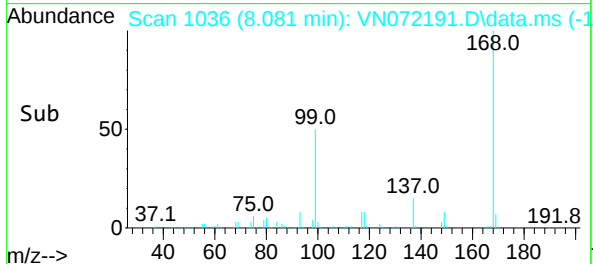
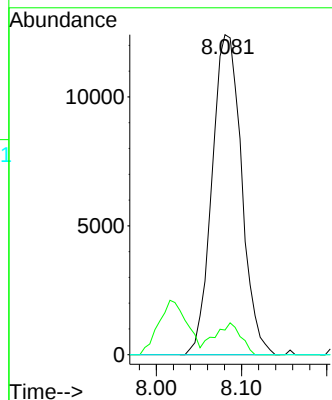
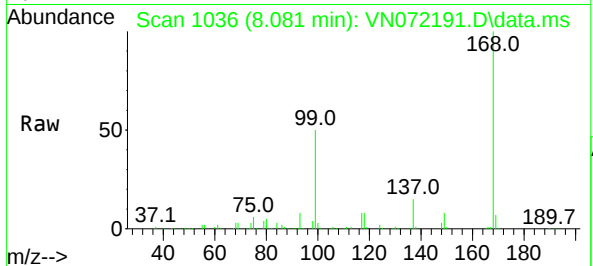




#36
1,1-Dichloropropene
Concen: 4.320 ug/l
RT: 8.081 min Scan# 1059
Delta R.T. -0.135 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

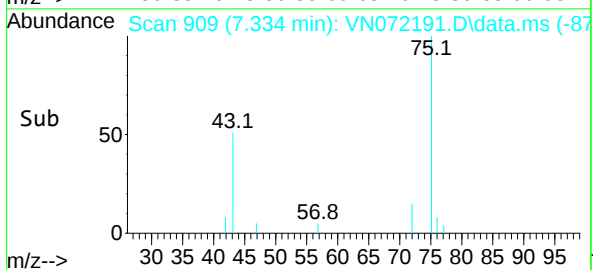
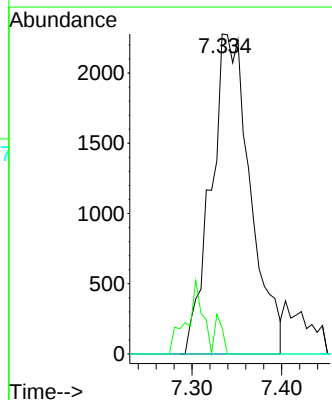
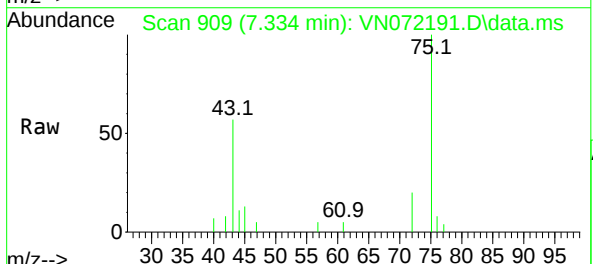
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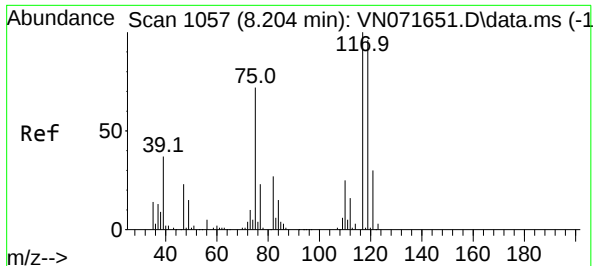
Tgt Ion: 75 Resp: 29826
Ion Ratio Lower Upper
75 100
110 9.0 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 0.916 ug/l
RT: 7.334 min Scan# 909
Delta R.T. -0.070 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

Tgt Ion: 43 Resp: 6924
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#

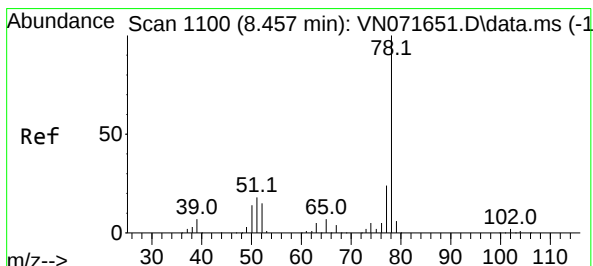
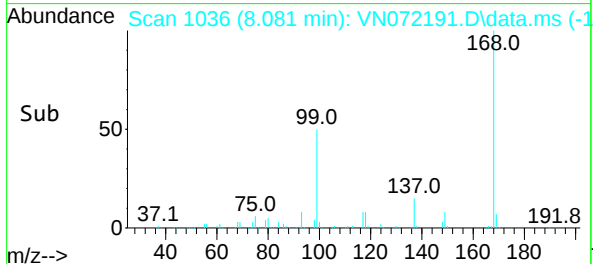
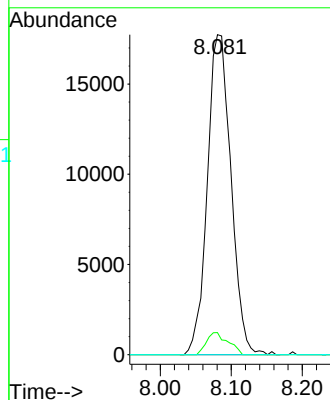
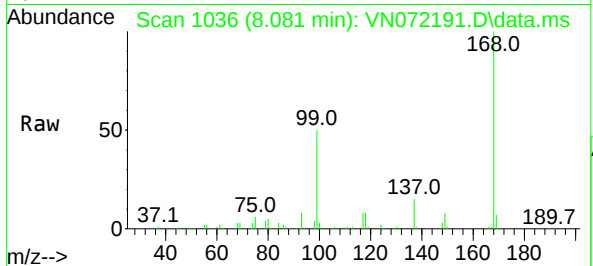




#38
Carbon Tetrachloride
Concen: 6.072 ug/l
RT: 8.081 min Scan# 1100
Delta R.T. -0.123 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

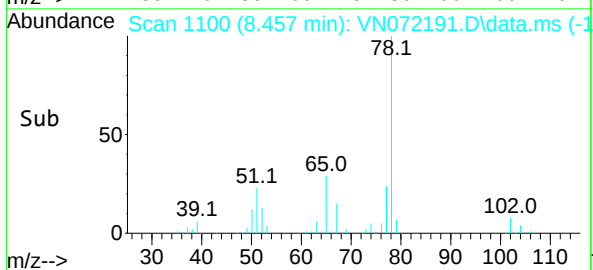
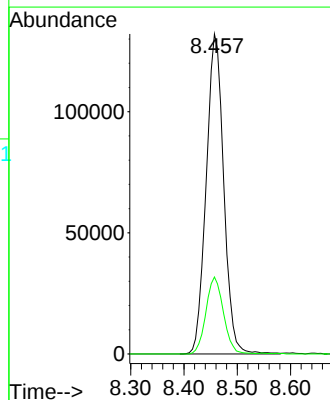
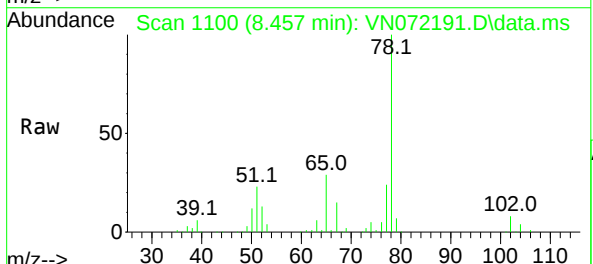
Instrument :
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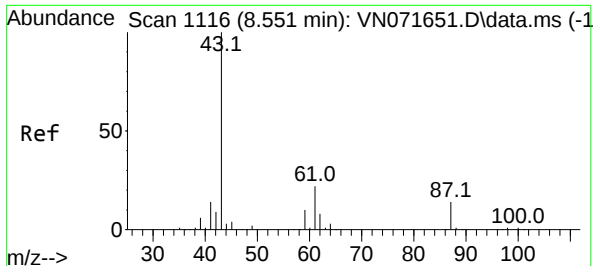
Tgt Ion:117 Resp: 41085
Ion Ratio Lower Upper
117 100
119 6.9 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 13.850 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

Tgt Ion: 78 Resp: 302030
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.0





#43

Isopropyl Acetate

Concen: 6.706 ug/l

RT: 8.633 min Scan# 1116

Delta R.T. 0.082 min

Lab File: VN072191.D

Acq: 25 Apr 2022 19:53

Instrument :

MSVOA_N

ClientSampleId :

33660

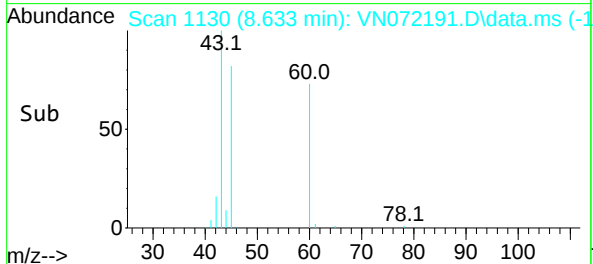
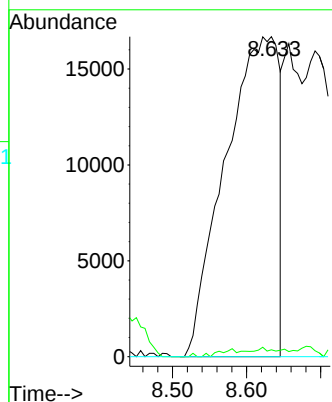
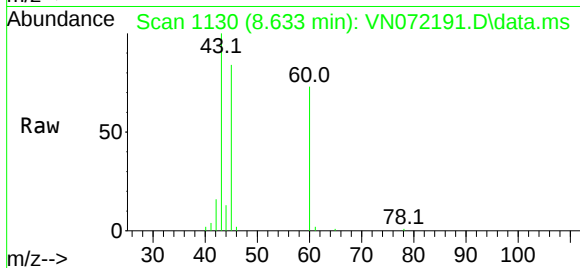
Tgt Ion: 43 Resp: 84278

Ion Ratio Lower Upper

43 100

61 0.3 21.9 32.9#

87 0.0 12.0 18.0#



#50

Toluene-d8

Concen: 51.810 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072191.D

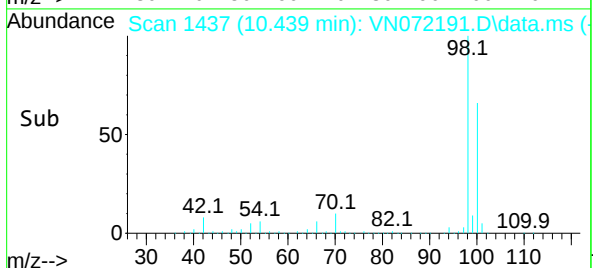
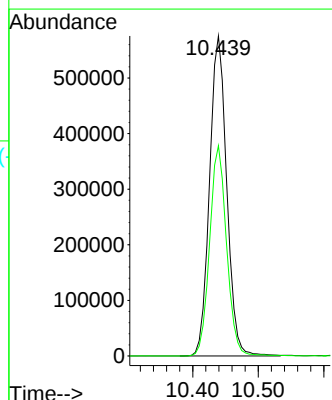
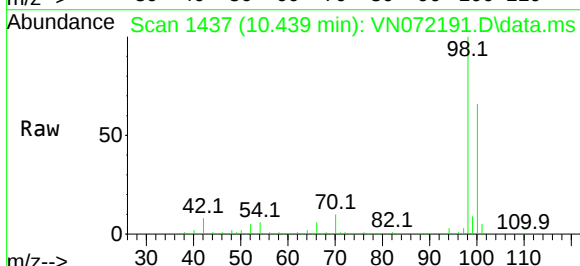
Acq: 25 Apr 2022 19:53

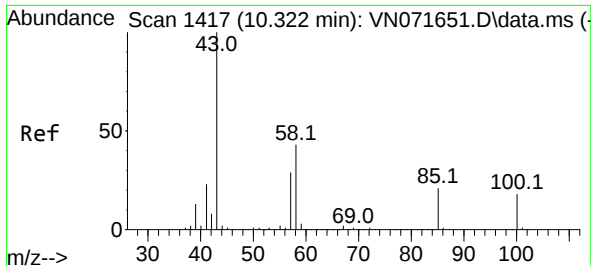
Tgt Ion: 98 Resp: 1047752

Ion Ratio Lower Upper

98 100

100 64.9 52.6 78.8

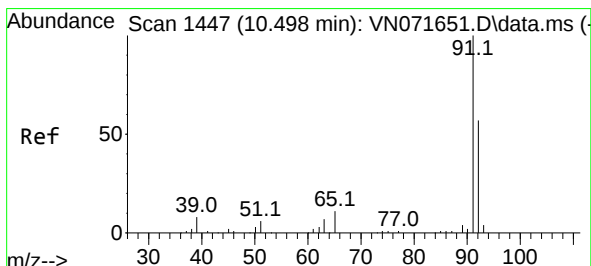
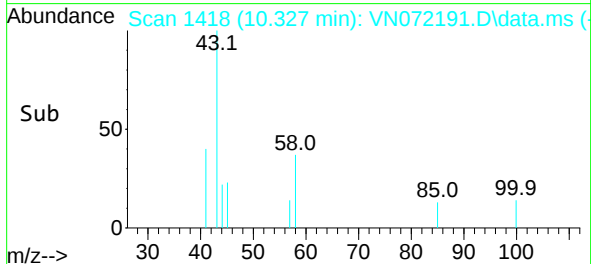
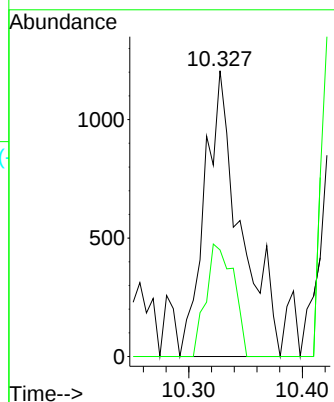
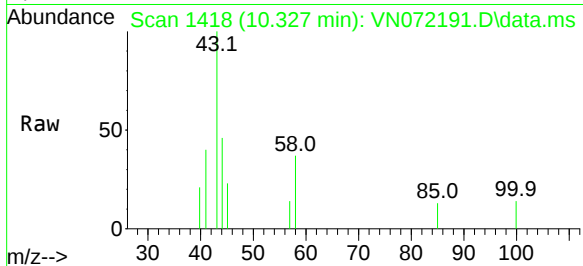




#51
4-Methyl-2-Pentanone
Concen: 0.364 ug/l
RT: 10.327 min Scan# 1417
Delta R.T. 0.005 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

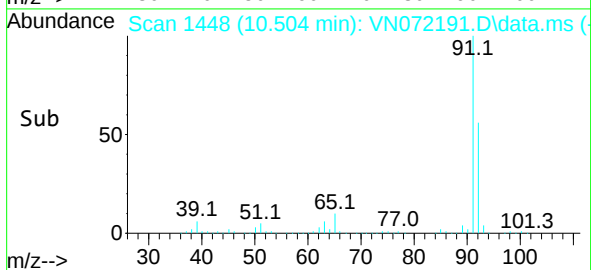
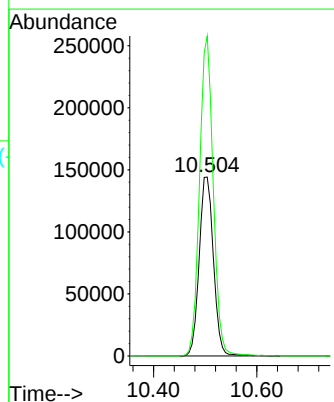
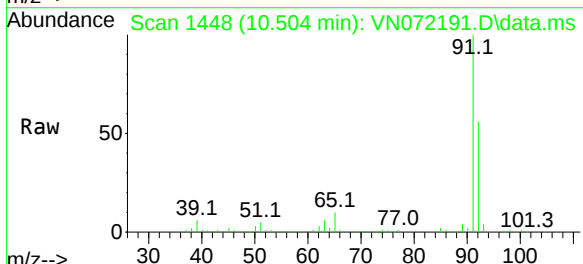
Instrument :
MSVOA_N
ClientSampleId :
33660

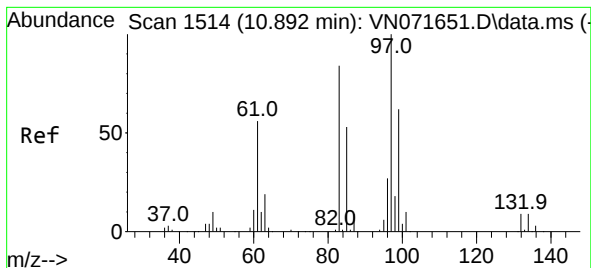
Tgt Ion: 43 Resp: 2630
Ion Ratio Lower Upper
43 100
58 30.5 34.1 51.1#



#52
Toluene
Concen: 20.037 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

Tgt Ion: 92 Resp: 276211
Ion Ratio Lower Upper
92 100
91 171.8 138.6 207.8

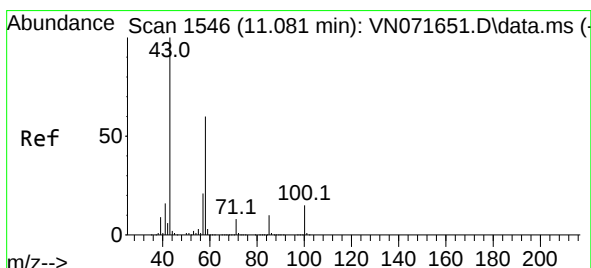
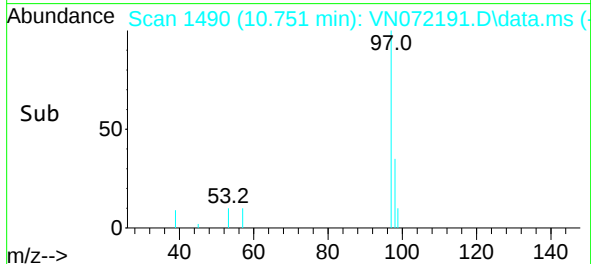
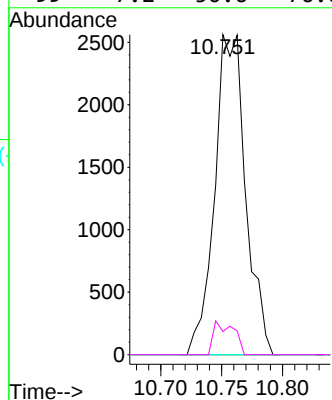
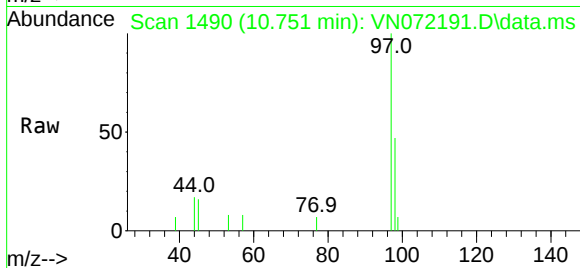




#55
1,1,2-Trichloroethane
Concen: 0.800 ug/l
RT: 10.751 min Scan# 1490
Delta R.T. -0.141 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

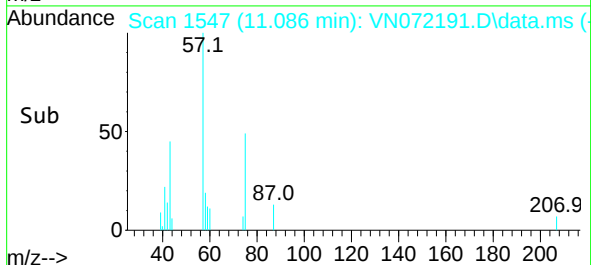
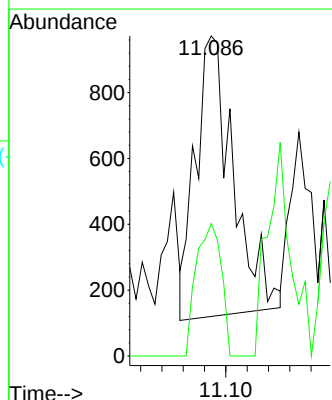
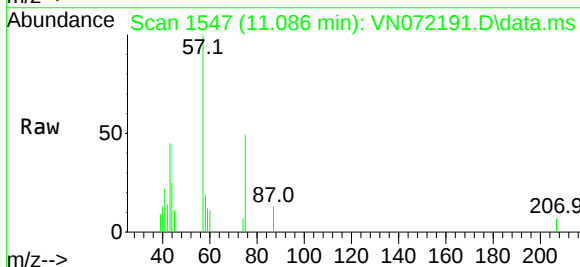
Instrument :
MSVOA_N
ClientSampleId :
33660

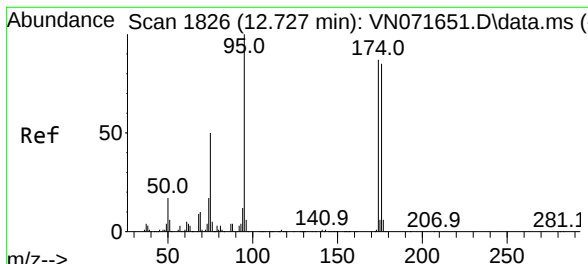
Tgt Ion: 97	Resp: 4538
Ion Ratio	Lower Upper
97 100	
83 0.0	66.2 99.4#
85 0.0	43.9 65.9#
99 7.2	50.6 76.0#



#59
2-Hexanone
Concen: 0.410 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.005 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

Tgt Ion: 43	Resp: 2086
Ion Ratio	Lower Upper
43 100	
58 31.6	29.7 89.1

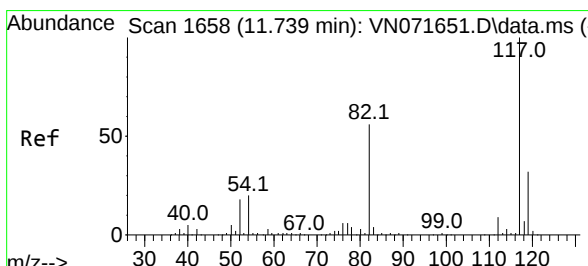
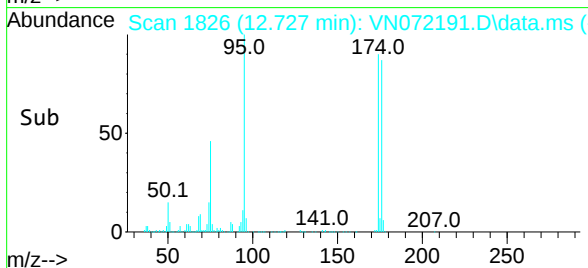
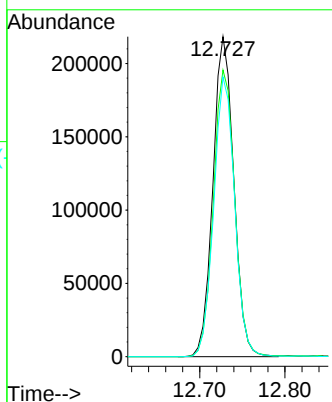
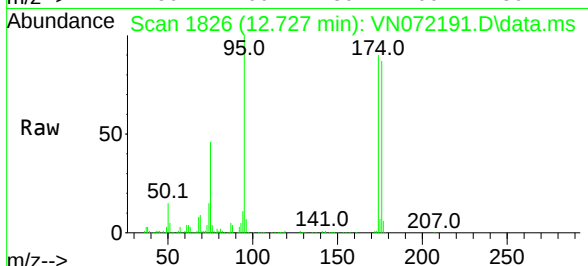




#62
4-Bromofluorobenzene
Concen: 56.795 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

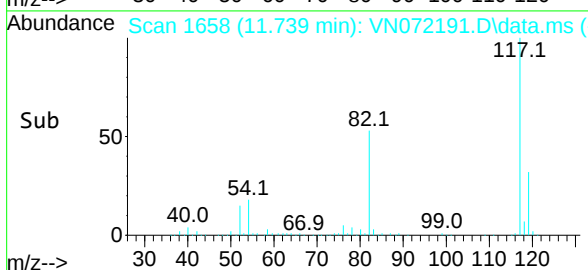
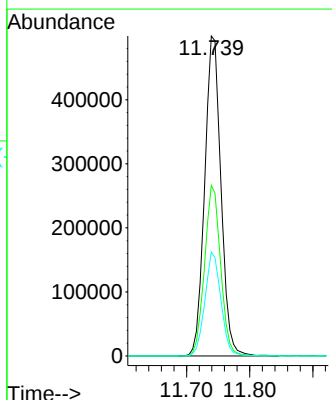
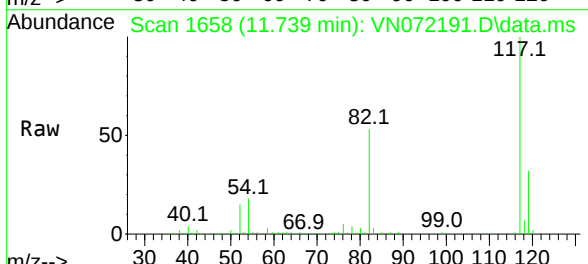
Instrument :
MSVOA_N
ClientSampleId :
33660

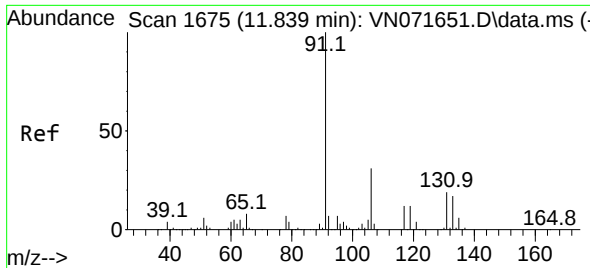
Tgt Ion:	95	Resp:	371466
Ion	Ratio	Lower	Upper
95	100		
174	91.4	0.0	167.6
176	87.7	0.0	163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

Tgt Ion:	117	Resp:	896062
Ion	Ratio	Lower	Upper
117	100		
82	53.3	44.2	66.2
119	32.5	25.4	38.0

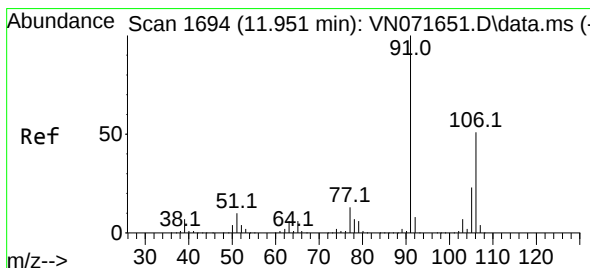
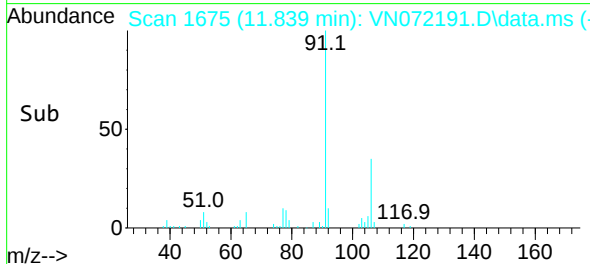
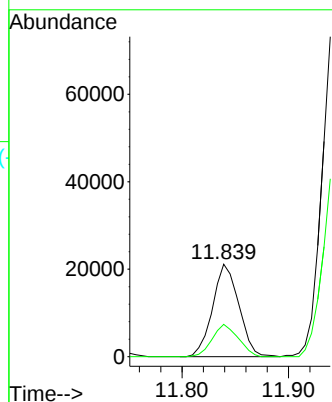
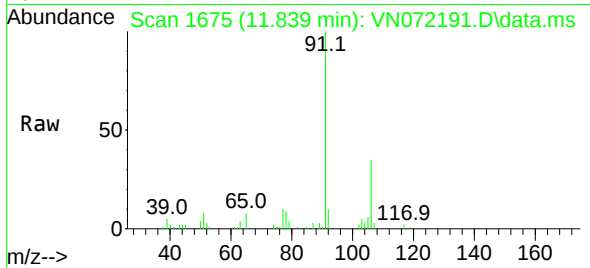




#67
Ethyl Benzene
Concen: 1.191 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

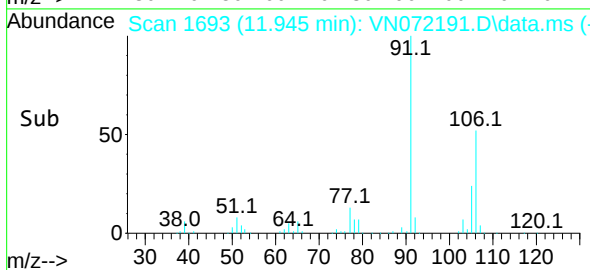
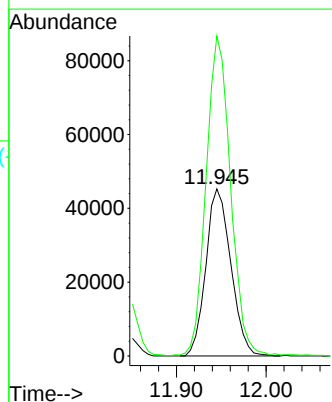
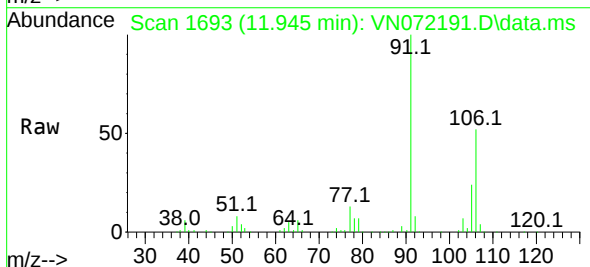
Instrument :
MSVOA_N
ClientSampleId :
33660

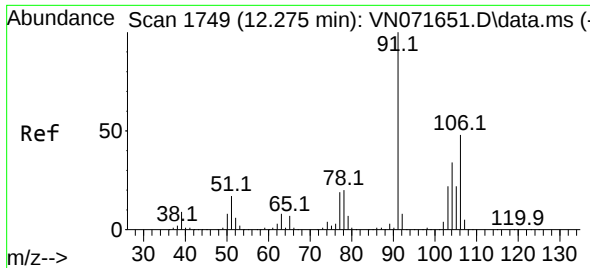
Tgt Ion: 91 Resp: 36162
Ion Ratio Lower Upper
91 100
106 35.0 24.9 37.3



#68
m/p-Xylenes
Concen: 7.509 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

Tgt Ion: 106 Resp: 87637
Ion Ratio Lower Upper
106 100
91 188.4 158.9 238.3

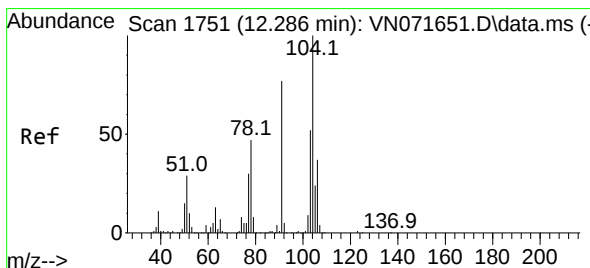
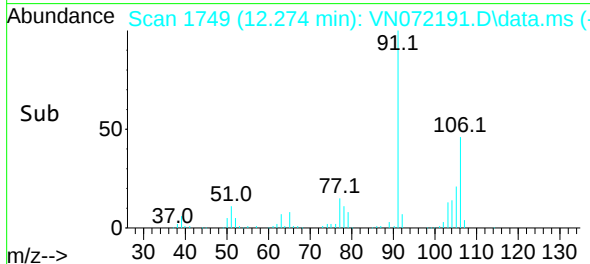
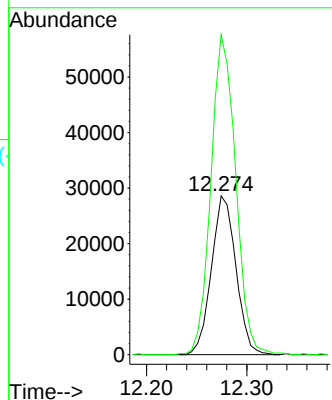
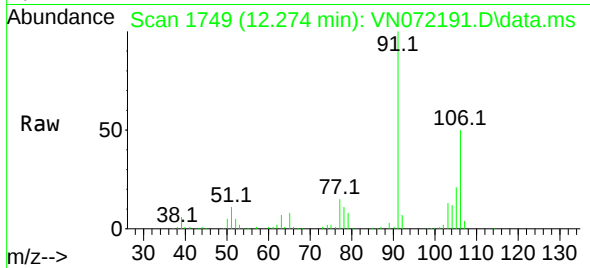




#69
o-Xylene
Concen: 4.193 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. -0.001 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

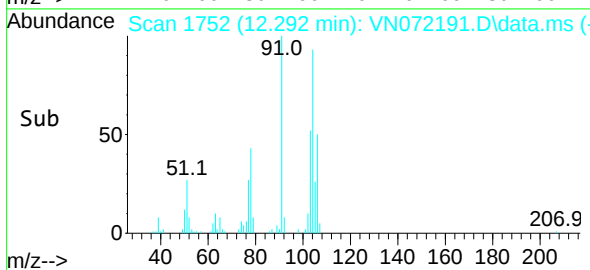
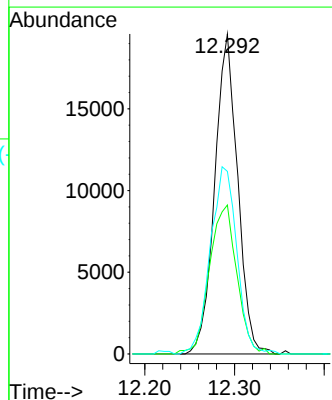
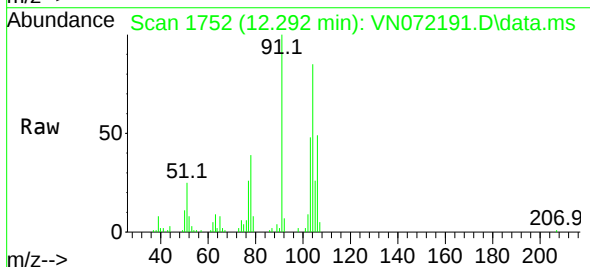
Instrument :
MSVOA_N
ClientSampleId :
33660

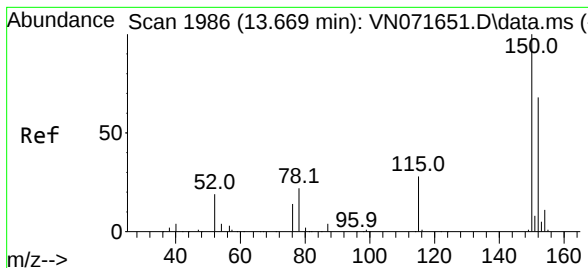
Tgt Ion:106 Resp: 48574
Ion Ratio Lower Upper
106 100
91 203.9 106.0 318.0



#70
Styrene
Concen: 1.977 ug/l
RT: 12.292 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

Tgt Ion:104 Resp: 34690
Ion Ratio Lower Upper
104 100
78 55.8 39.5 59.3
103 67.6 44.0 66.0#

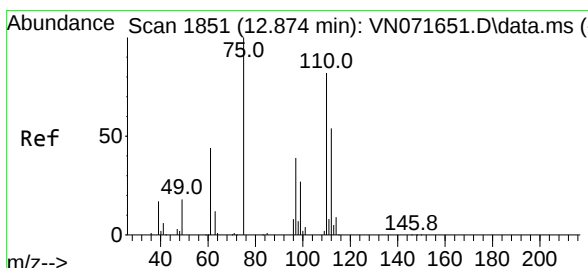
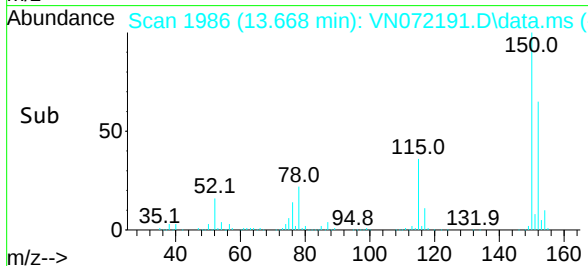
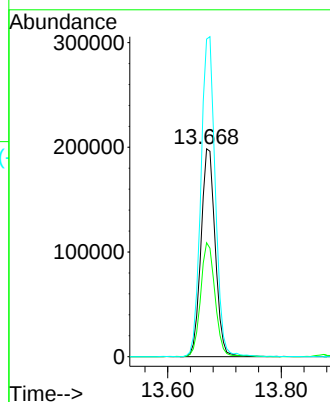
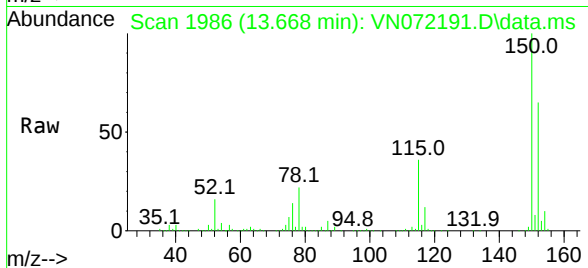




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN072191.D
 Acq: 25 Apr 2022 19:53

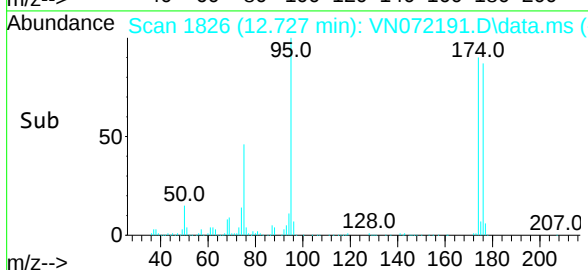
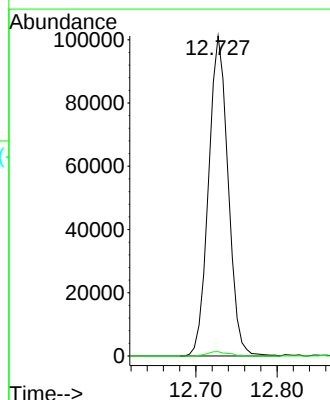
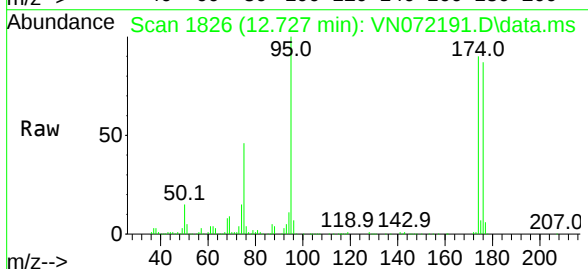
Instrument :
 MSVOA_N
 ClientSampleId :
 33660

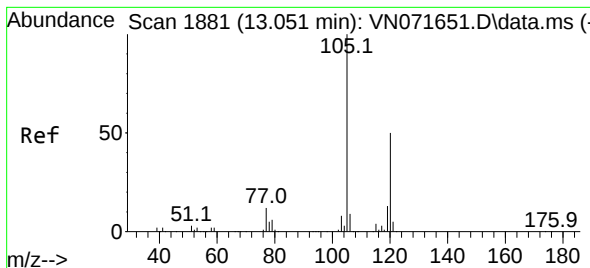
Tgt Ion:152 Resp: 345663
 Ion Ratio Lower Upper
 152 100
 115 55.9 28.9 86.7
 150 155.5 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 21.158 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN072191.D
 Acq: 25 Apr 2022 19:53

Tgt Ion: 75 Resp: 169421
 Ion Ratio Lower Upper
 75 100
 77 1.5 98.5 295.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.361 ug/l

RT: 13.057 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN072191.D

Acq: 25 Apr 2022 19:53

Instrument :

MSVOA_N

ClientSampleId :

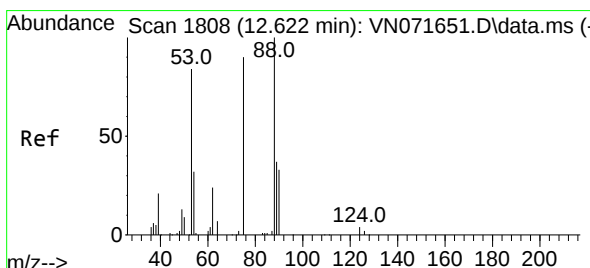
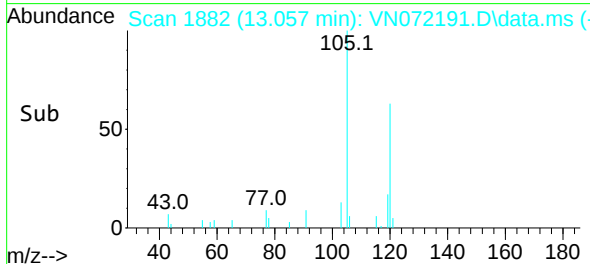
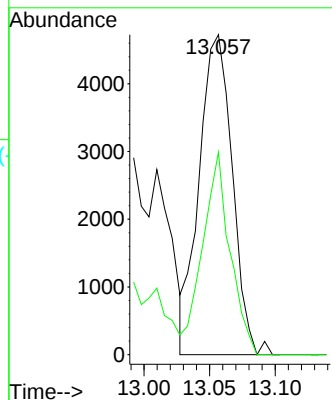
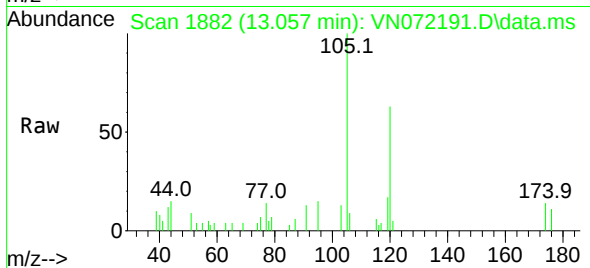
33660

Tgt Ion:105 Resp: 8321

Ion Ratio Lower Upper

105 100

120 52.4 24.9 74.7



#81

trans-1,4-Dichloro-2-butene

Concen: 65.567 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.105 min

Lab File: VN072191.D

Acq: 25 Apr 2022 19:53

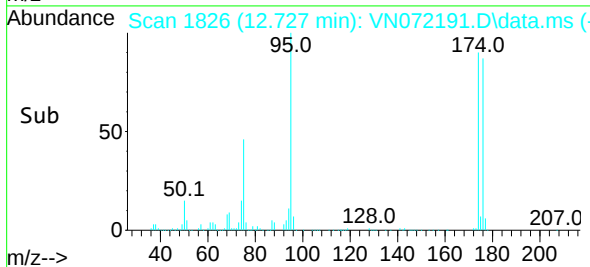
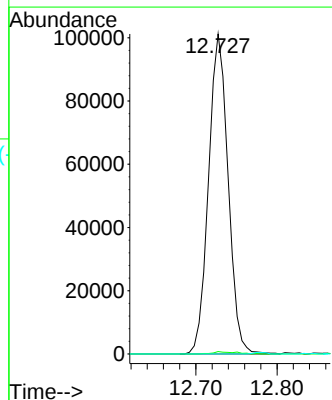
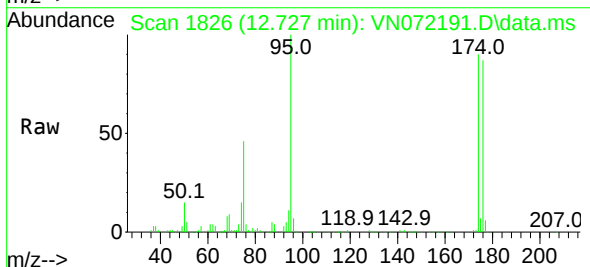
Tgt Ion: 75 Resp: 169421

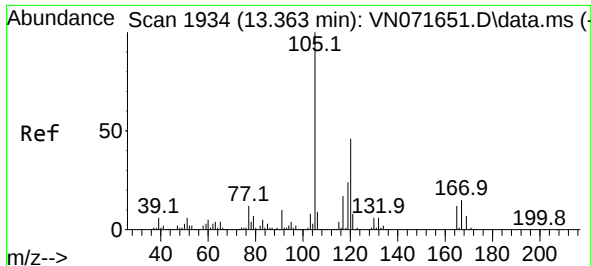
Ion Ratio Lower Upper

75 100

53 0.8 78.0 117.0#

89 0.0 37.2 55.8#

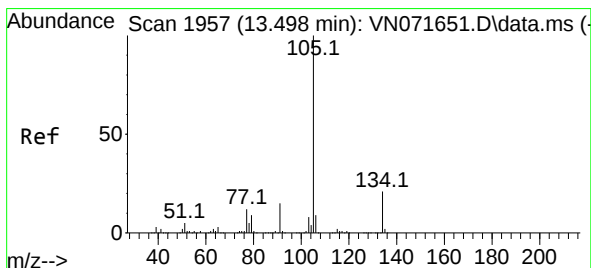
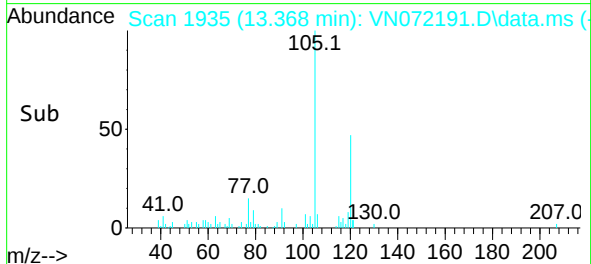
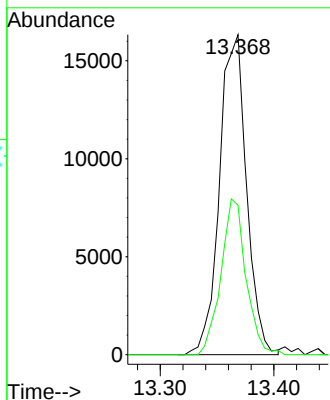
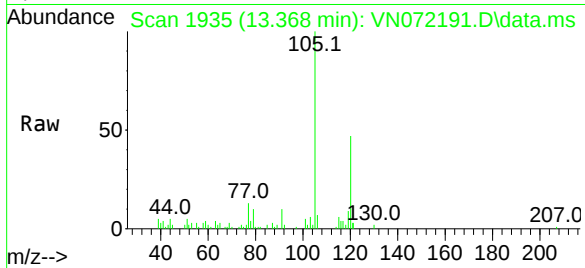




#84
1,2,4-Trimethylbenzene
Concen: 1.199 ug/l
RT: 13.368 min Scan# 1935
Delta R.T. 0.005 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

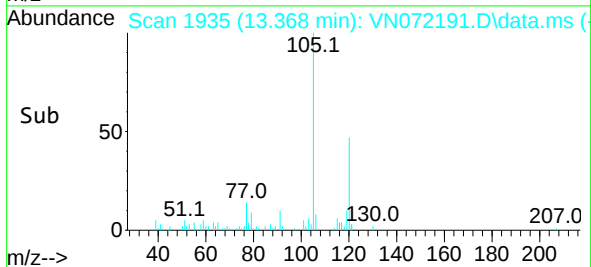
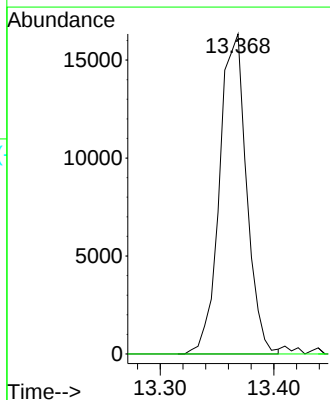
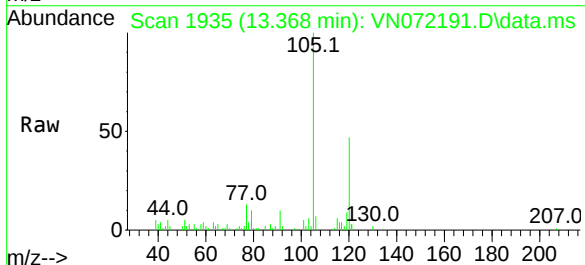
Instrument :
MSVOA_N
ClientSampleId :
33660

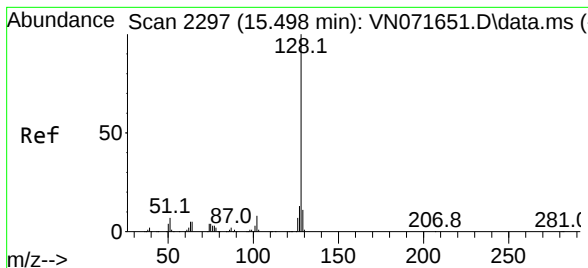
Tgt Ion:105 Resp: 26999
Ion Ratio Lower Upper
105 100
120 45.2 23.3 69.8



#85
sec-Butylbenzene
Concen: 0.987 ug/l
RT: 13.368 min Scan# 1935
Delta R.T. -0.130 min
Lab File: VN072191.D
Acq: 25 Apr 2022 19:53

Tgt Ion:105 Resp: 26999
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





#95

Naphthalene

Concen: 21.442 ug/l

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN072191.D

Acq: 25 Apr 2022 19:53

Instrument :

MSVOA_N

ClientSampleId :

33660

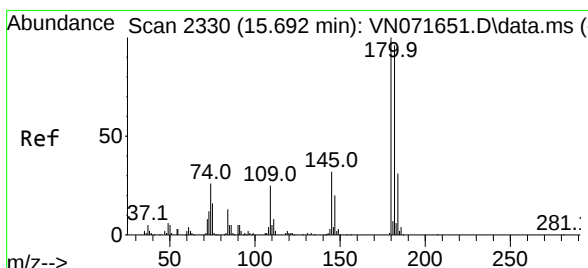
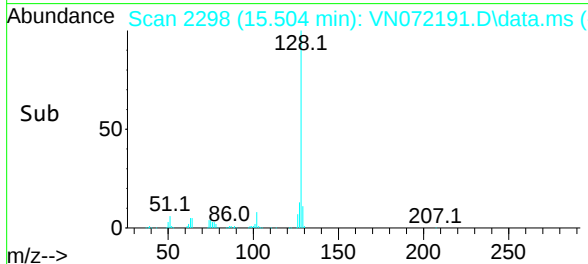
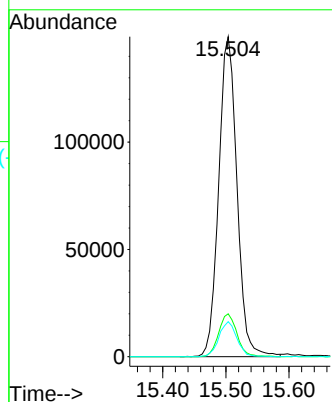
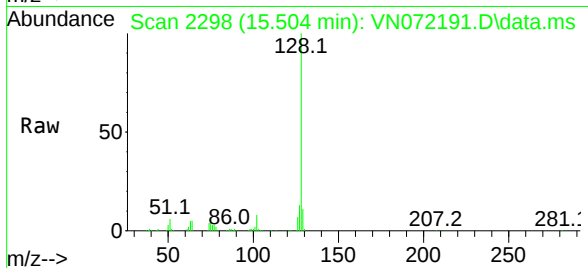
Tgt Ion:128 Resp: 300511

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

129 10.8 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.425 ug/l

RT: 15.704 min Scan# 2332

Delta R.T. 0.012 min

Lab File: VN072191.D

Acq: 25 Apr 2022 19:53

Tgt Ion:180 Resp: 59

Ion Ratio Lower Upper

180 100

182 118.6 47.8 143.3

145 0.0 15.5 46.5#

