

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052022\
 Data File : VN072577.D
 Acq On : 20 May 2022 15:12
 Operator : JC\MD
 Sample : N2965-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31600

Quant Time: May 21 01:33:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051822W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 02:22:47 2022
 Response via : Initial Calibration

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

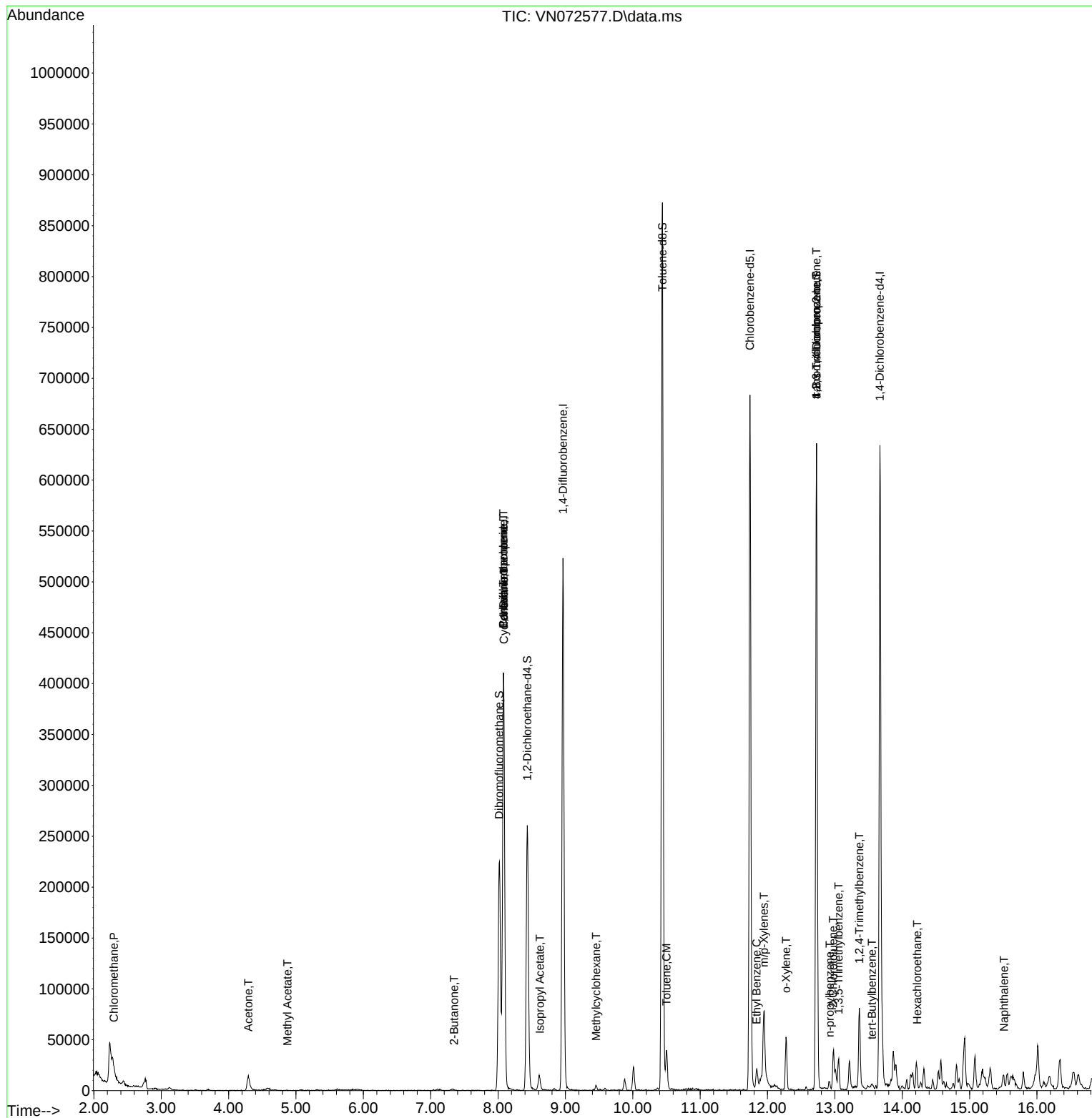
Internal Standards						
1) Pentafluorobenzene	8.081	168	295736	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	440210	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	393031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	174148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	246865	53.726	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 107.460%		
35) Dibromofluoromethane	8.016	113	164891	55.514	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 111.020%		
50) Toluene-d8	10.439	98	599615	53.332	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 106.660%		
62) 4-Bromofluorobenzene	12.727	95	208250	48.762	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 97.520%		
Target Compounds						
						Qvalue
3) Chloromethane	2.299	50	1264	0.413	ug/l	# 43
6) Chloroethane	2.940	64	378	Below Cal	#	42
16) Acetone	4.293	43	27041	19.414	ug/l	# 82
18) Methyl Acetate	4.875	43	434	0.391	ug/l	# 48
25) 2-Butanone	7.345	43	1844	0.842	ug/l	# 45
31) Cyclohexane	8.086	56	8259	1.617	ug/l	# 48
36) 1,1-Dichloropropene	8.081	75	23497	5.811	ug/l	# 50
38) Carbon Tetrachloride	8.081	117	31886	6.371	ug/l	# 16
39) Methylcyclohexane	9.457	83	1587	0.336	ug/l	# 89
43) Isopropyl Acetate	8.622	43	3049	0.427	ug/l	# 53
52) Toluene	10.498	92	15274	1.994	ug/l	95
67) Ethyl Benzene	11.839	91	13794	0.989	ug/l	96
68) m/p-Xylenes	11.945	106	19713	3.673	ug/l	74
69) o-Xylene	12.274	106	13519	2.473	ug/l	85
76) 1,2,3-Trichloropropane	12.727	75	119732	22.759	ug/l	# 1
78) n-propylbenzene	12.921	91	6439	0.409	ug/l	95
79) 2-Chlorotoluene	12.974	91	4005	0.380	ug/l	# 40
80) 1,3,5-Trimethylbenzene	13.057	105	14954	1.198	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.727	75	119732	94.881	ug/l	# 10
83) tert-Butylbenzene	13.551	119	2840	0.268	ug/l	80
84) 1,2,4-Trimethylbenzene	13.363	105	43819	3.658	ug/l	97
90) Hexachloroethane	14.221	117	1829	0.903	ug/l	# 9
95) Naphthalene	15.509	128	14586	1.901	ug/l	98

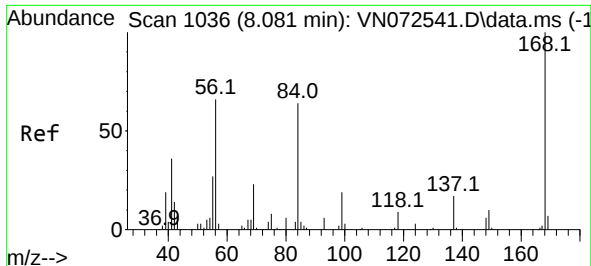
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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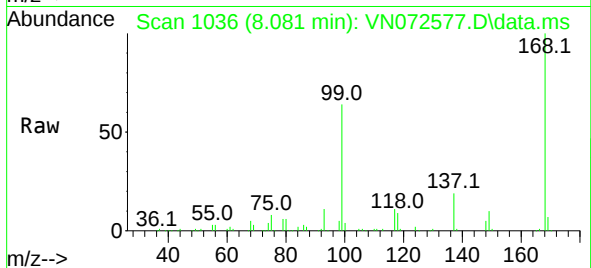
Quant Time: May 21 01:33:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051822W.M
Quant Title : SW846 8260
QLast Update : Thu May 19 02:22:47 2022
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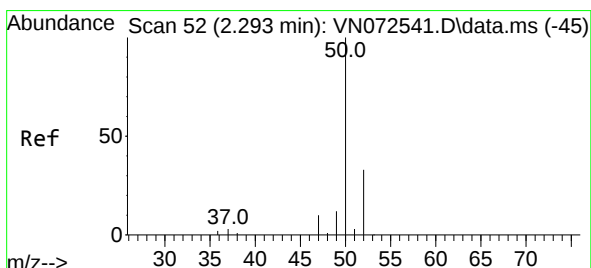
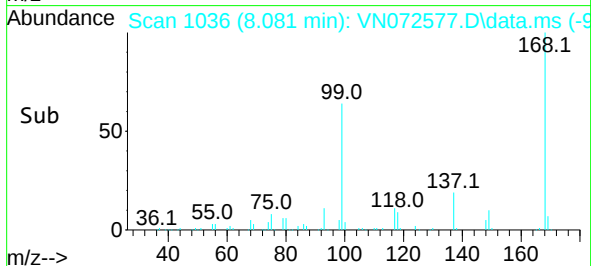
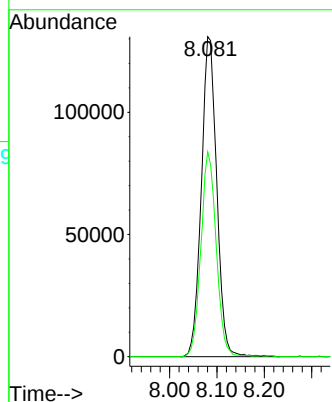


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

Instrument :
MSVOA_N
ClientSampleId :
31600

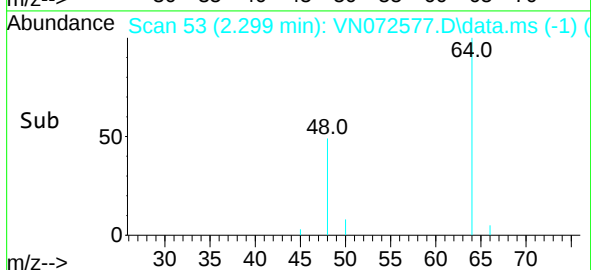
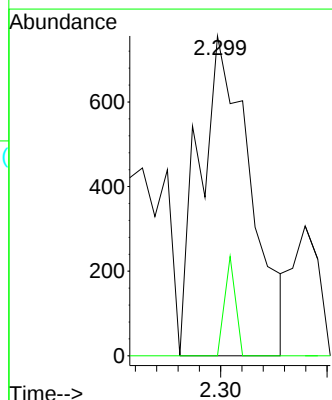
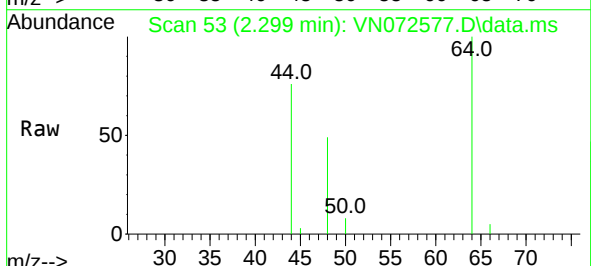


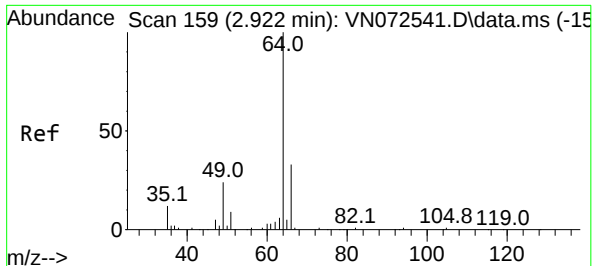
Tgt Ion:168 Resp: 295736
Ion Ratio Lower Upper
168 100
99 64.0 42.3 63.5#



#3
Chloromethane
Concen: 0.413 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.006 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

Tgt Ion: 50 Resp: 1264
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

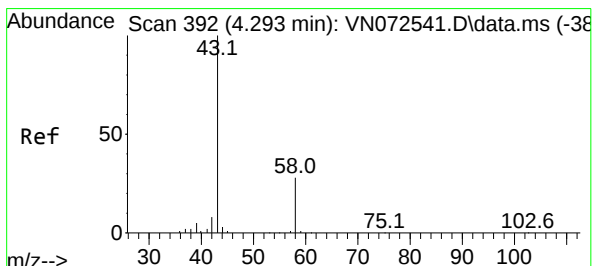
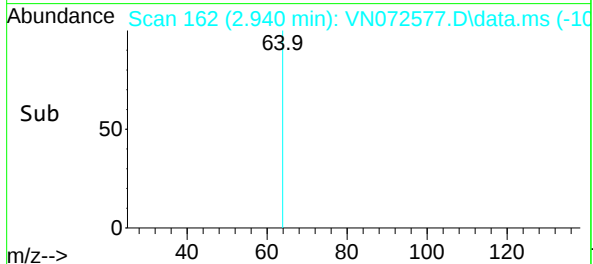
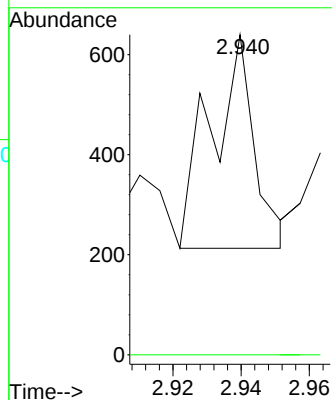
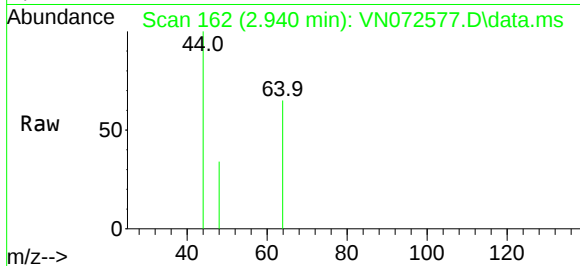




#6
Chloroethane
Concen: Below Cal
RT: 2.940 min Scan# 1
Delta R.T. 0.018 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

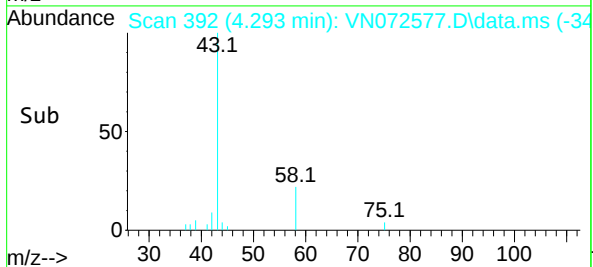
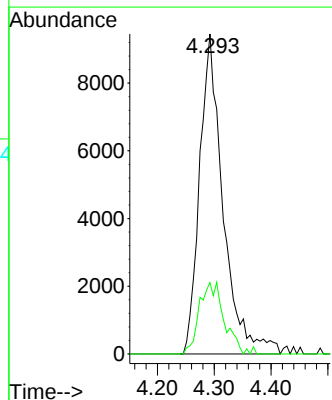
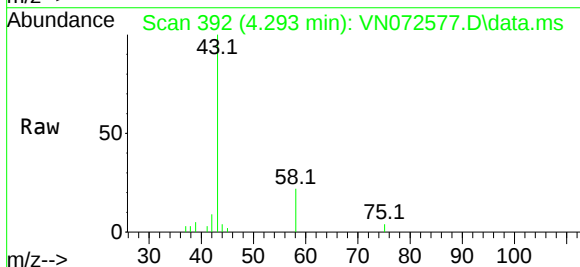
Instrument :
MSVOA_N
ClientSampleId :
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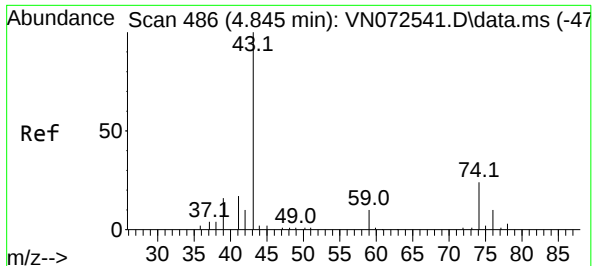
Tgt Ion: 64 Resp: 378
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#16
Acetone
Concen: 19.414 ug/l
RT: 4.293 min Scan# 392
Delta R.T. -0.000 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

Tgt Ion: 43 Resp: 27041
Ion Ratio Lower Upper
43 100
58 22.3 26.0 39.0#

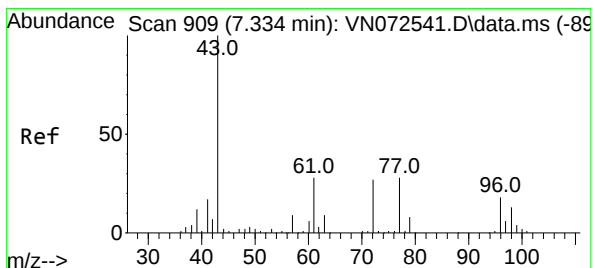
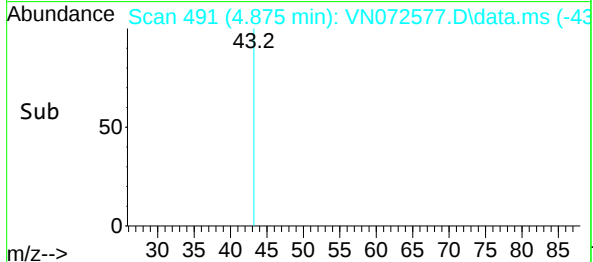
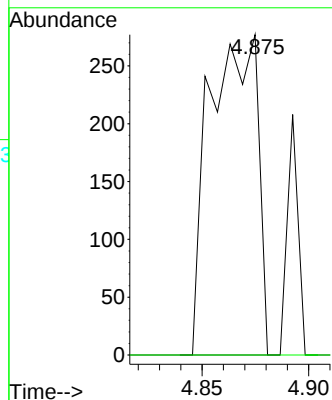
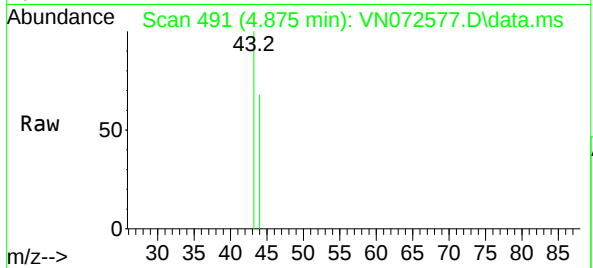




#18
Methyl Acetate
Concen: 0.391 ug/l
RT: 4.875 min Scan# 491
Delta R.T. 0.030 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

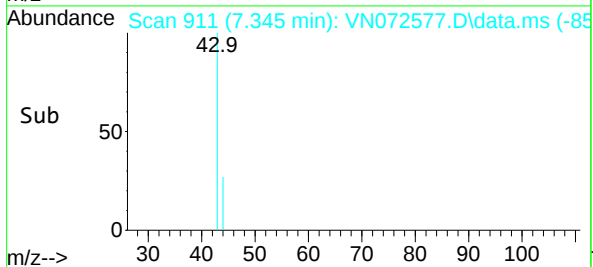
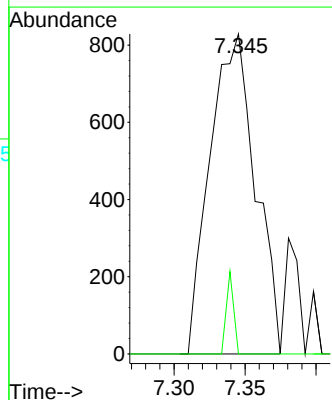
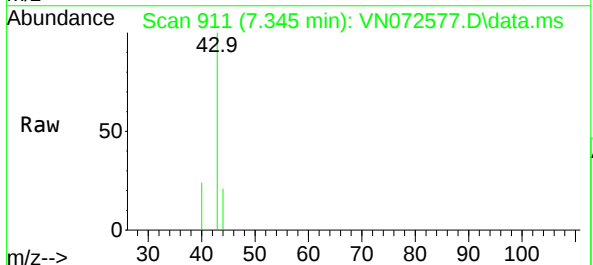
Instrument :
MSVOA_N
ClientSampleId :
31600

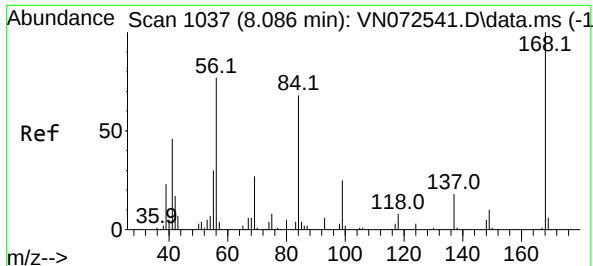
Tgt Ion: 43 Resp: 434
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#25
2-Butanone
Concen: 0.842 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.011 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

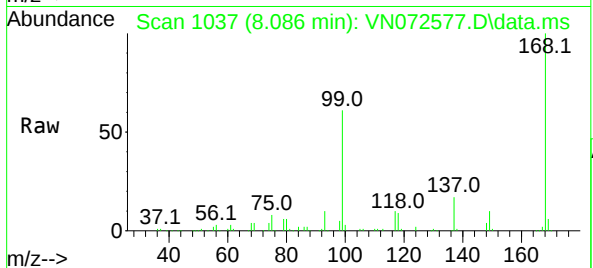
Tgt Ion: 43 Resp: 1844
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



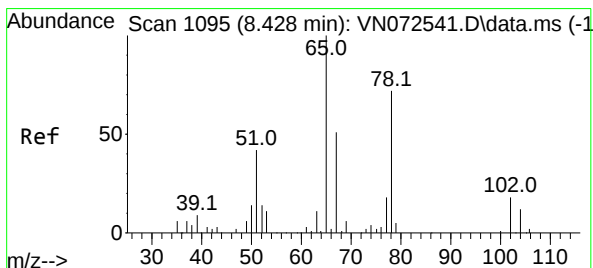
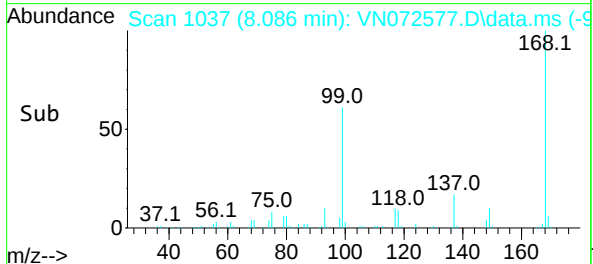
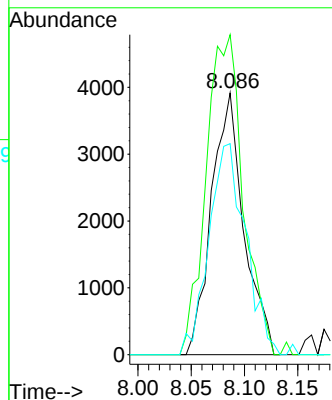


#31
Cyclohexane
Concen: 1.617 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

Instrument :
MSVOA_N
ClientSampleId :
31600

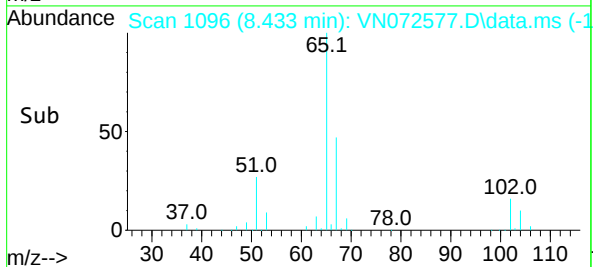
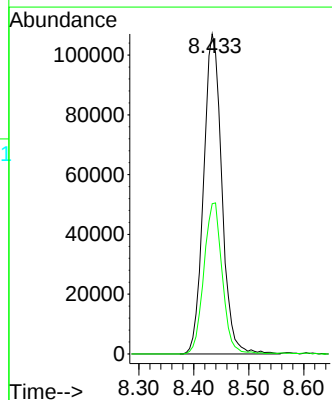
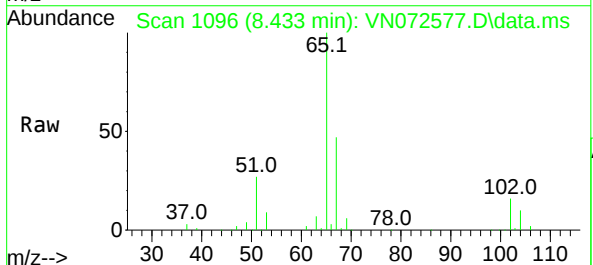


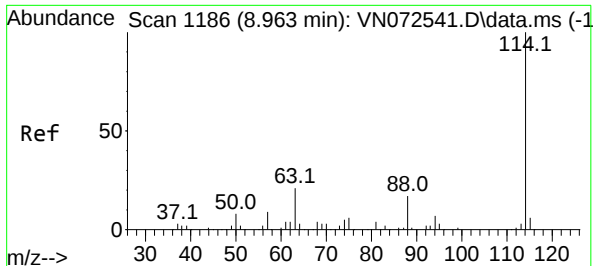
Tgt Ion: 56 Resp: 8259
Ion Ratio Lower Upper
56 100
69 122.3 27.8 41.8#
84 80.6 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 53.726 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.005 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

Tgt Ion: 65 Resp: 246865
Ion Ratio Lower Upper
65 100
67 47.6 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: VN072577.D

Acq: 20 May 2022 15:12

Instrument :

MSVOA_N

ClientSampleId :

31600

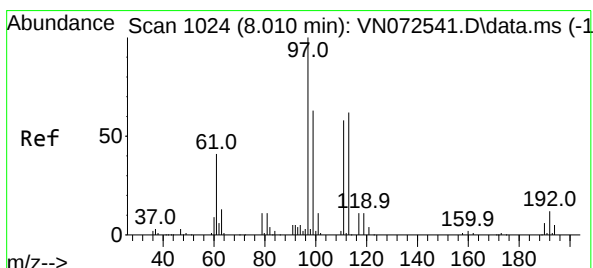
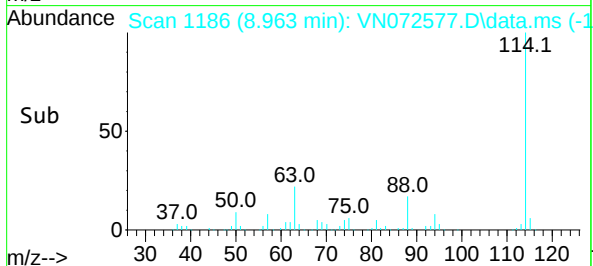
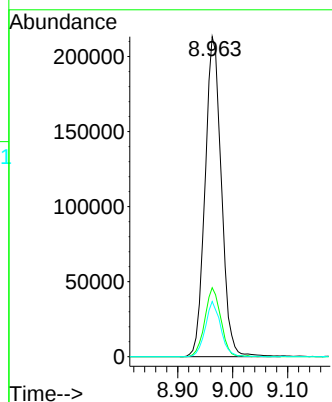
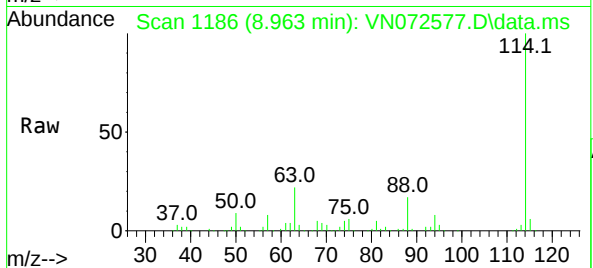
Tgt Ion:114 Resp: 440210

Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.0

88 17.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 55.514 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. 0.006 min

Lab File: VN072577.D

Acq: 20 May 2022 15:12

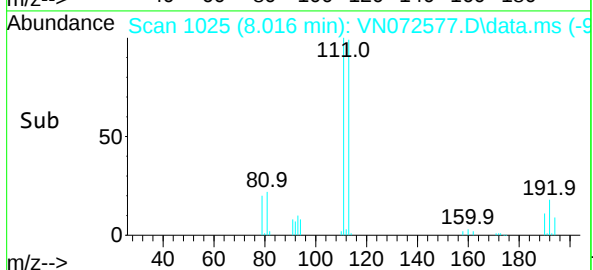
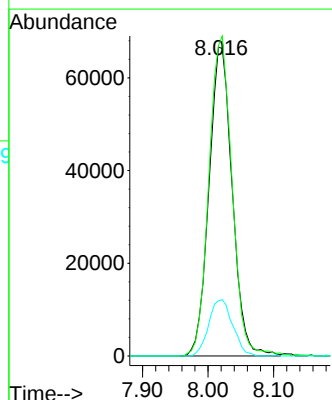
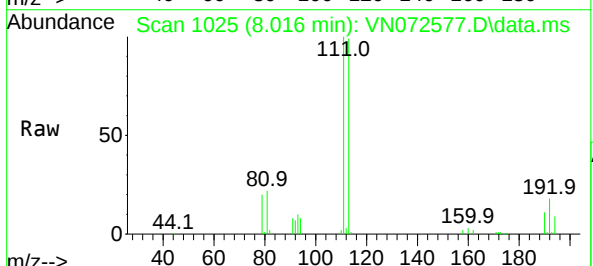
Tgt Ion:113 Resp: 164891

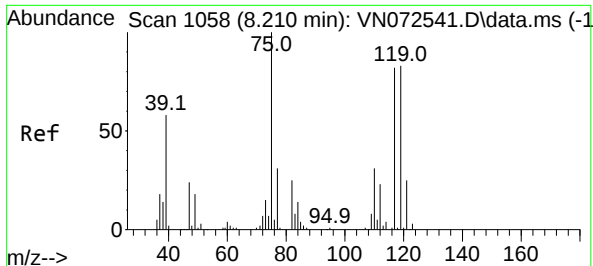
Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

192 18.7 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.811 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.129 min

Lab File: VN072577.D

Acq: 20 May 2022 15:12

Instrument :

MSVOA_N

ClientSampleId :

31600

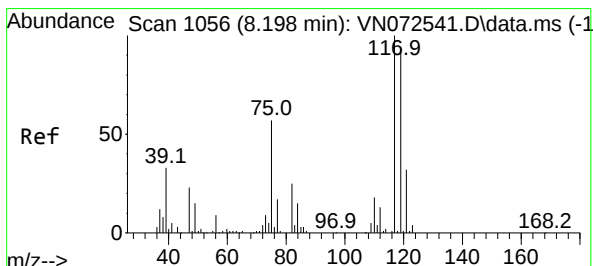
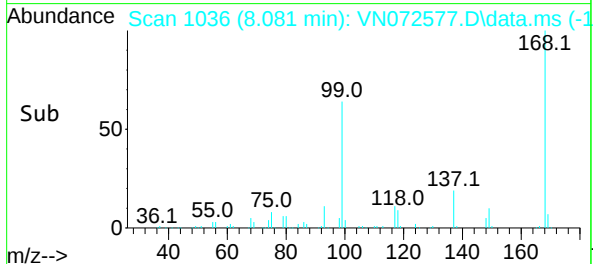
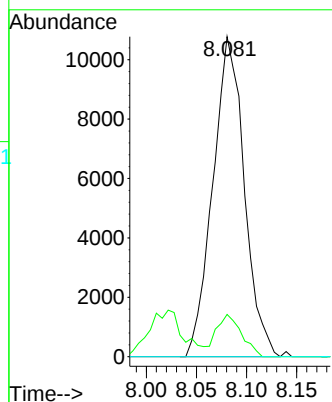
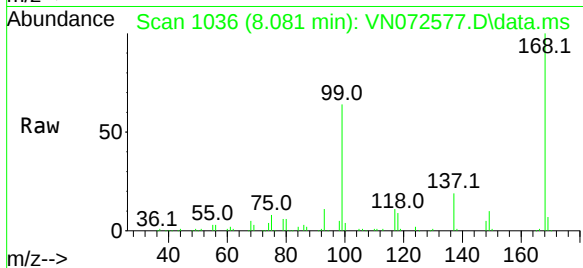
Tgt Ion: 75 Resp: 23497

Ion Ratio Lower Upper

75 100

110 10.8 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.371 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.117 min

Lab File: VN072577.D

Acq: 20 May 2022 15:12

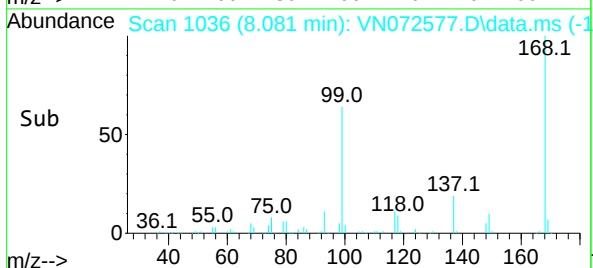
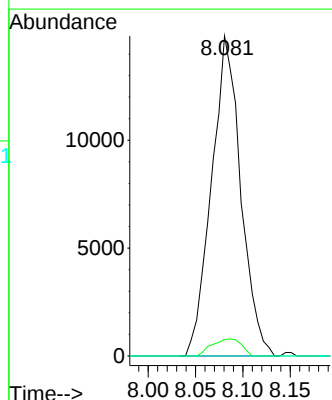
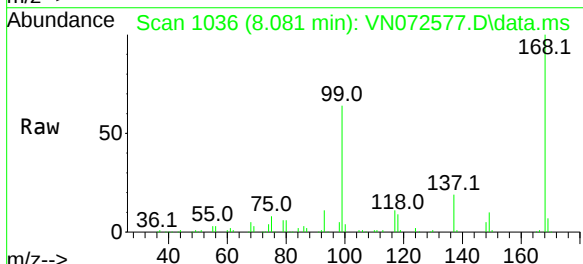
Tgt Ion: 117 Resp: 31886

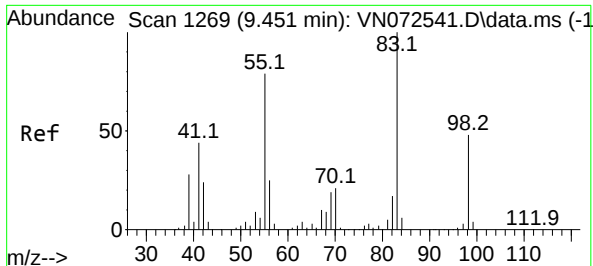
Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.8#

121 0.0 24.6 37.0#





#39

Methylcyclohexane

Concen: 0.336 ug/l

RT: 9.457 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN072577.D

Acq: 20 May 2022 15:12

Instrument :

MSVOA_N

ClientSampleId :

31600

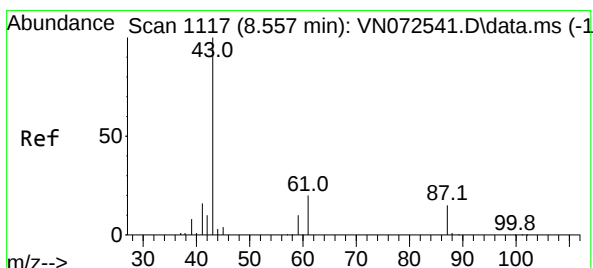
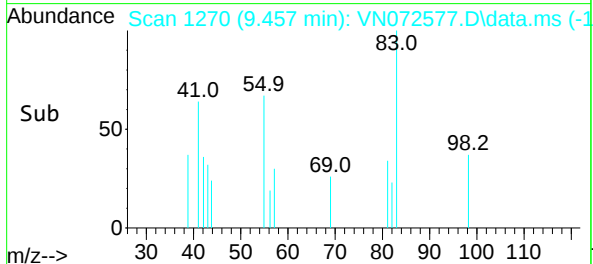
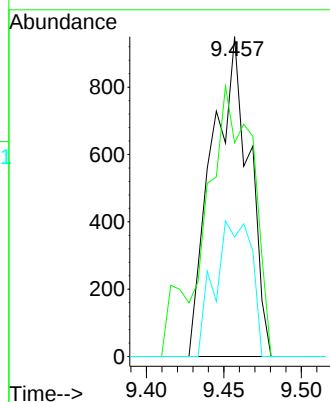
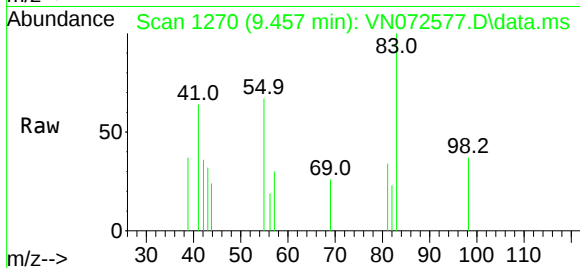
Tgt Ion: 83 Resp: 1587

Ion Ratio Lower Upper

83 100

55 66.8 57.8 86.8

98 37.4 39.4 59.2#



#43

Isopropyl Acetate

Concen: 0.427 ug/l

RT: 8.622 min Scan# 1128

Delta R.T. 0.065 min

Lab File: VN072577.D

Acq: 20 May 2022 15:12

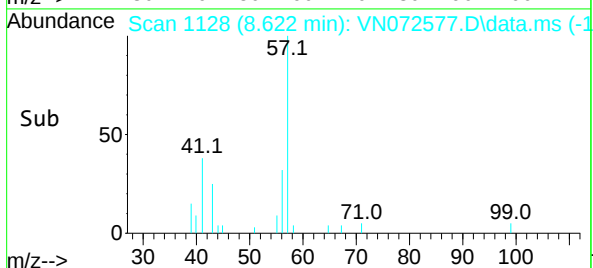
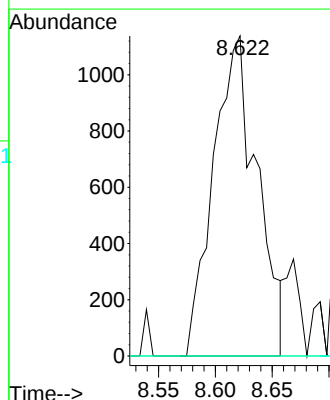
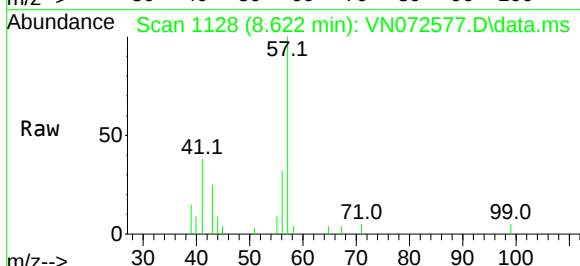
Tgt Ion: 43 Resp: 3049

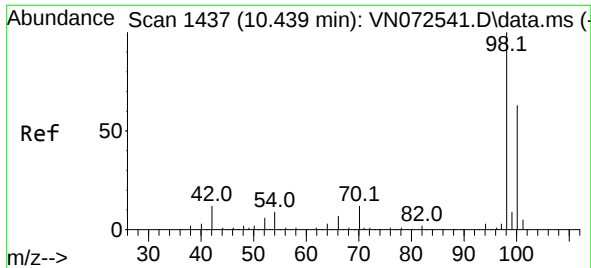
Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#

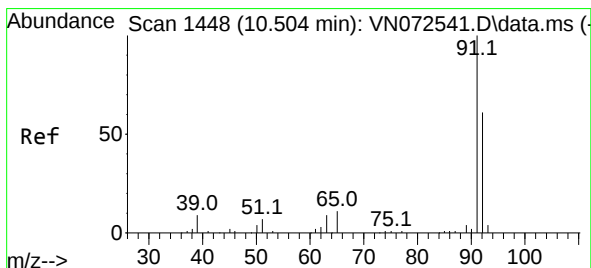
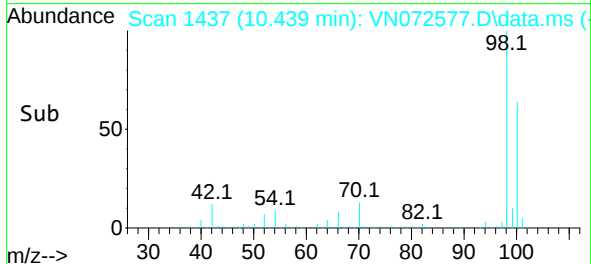
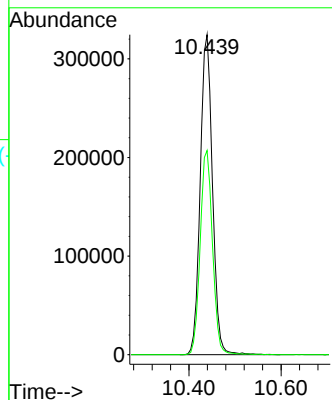
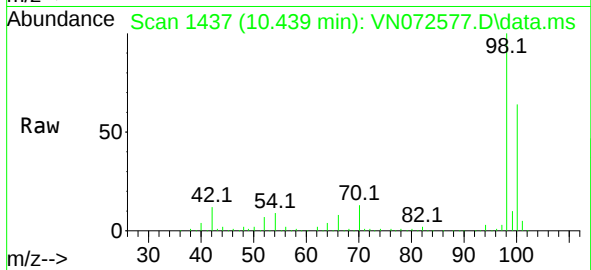




#50
Toluene-d8
Concen: 53.332 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

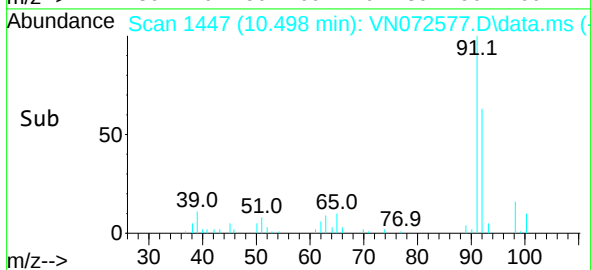
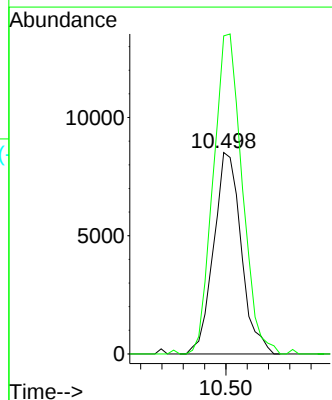
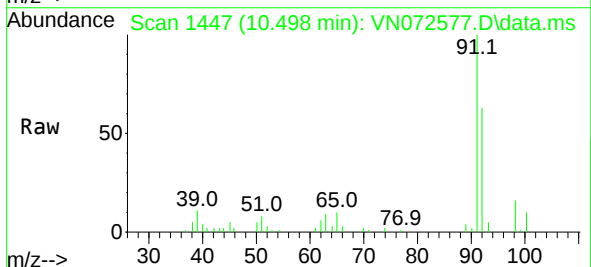
Instrument :
MSVOA_N
ClientSampleId :
31600

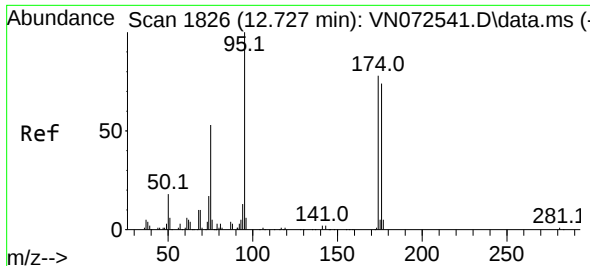
Tgt Ion: 98 Resp: 599615
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



#52
Toluene
Concen: 1.994 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

Tgt Ion: 92 Resp: 15274
Ion Ratio Lower Upper
92 100
91 166.5 138.6 207.8

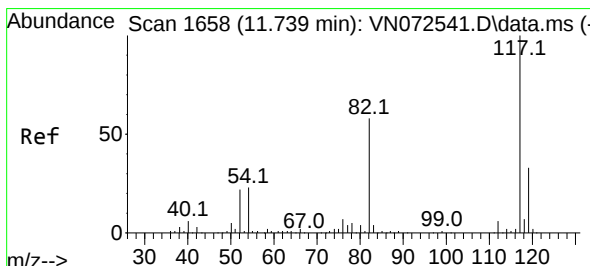
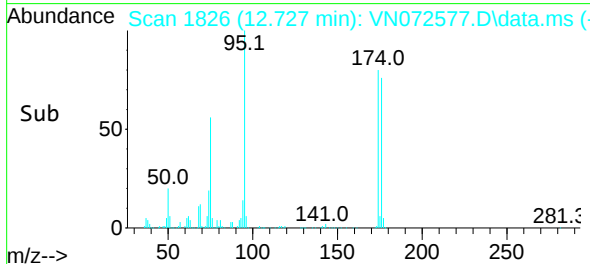
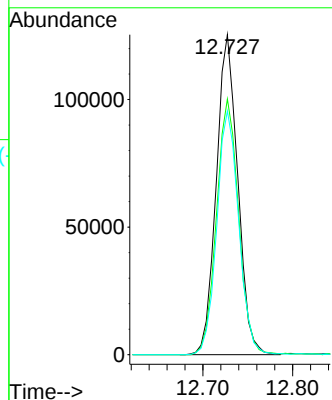
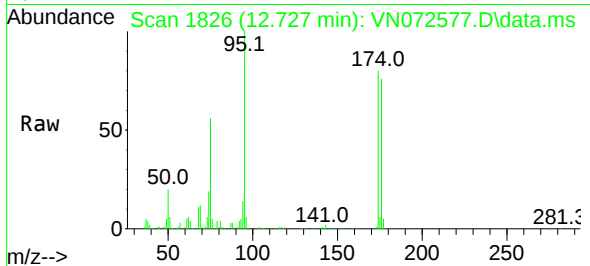




#62
4-Bromofluorobenzene
Concen: 48.762 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

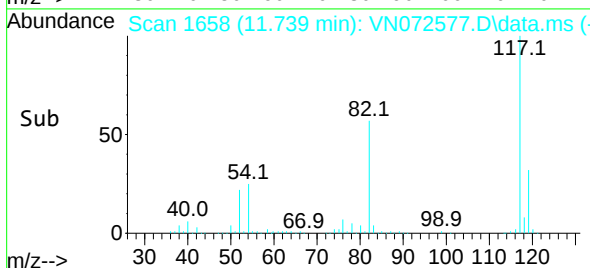
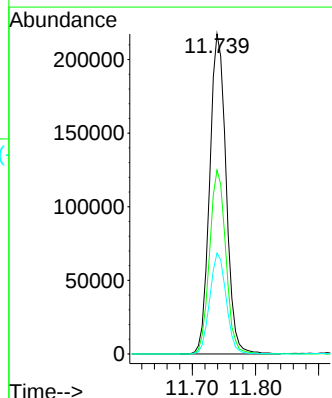
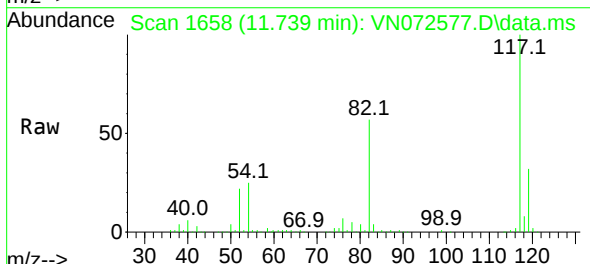
Instrument :
MSVOA_N
ClientSampleId :
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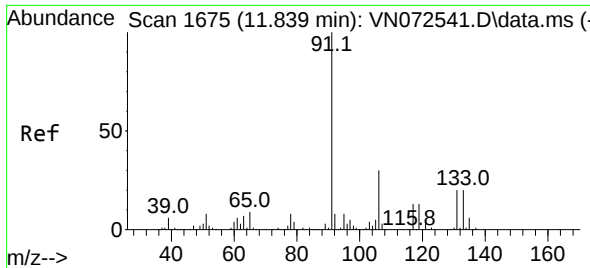
Tgt Ion: 95 Resp: 208250
Ion Ratio Lower Upper
95 100
174 82.3 0.0 167.6
176 77.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

Tgt Ion: 117 Resp: 393031
Ion Ratio Lower Upper
117 100
82 57.5 44.2 66.2
119 31.5 25.4 38.0

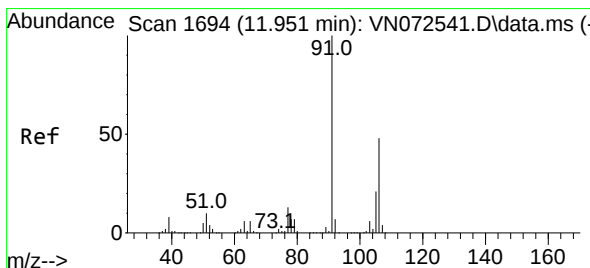
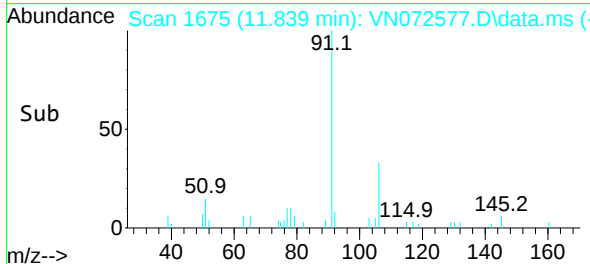
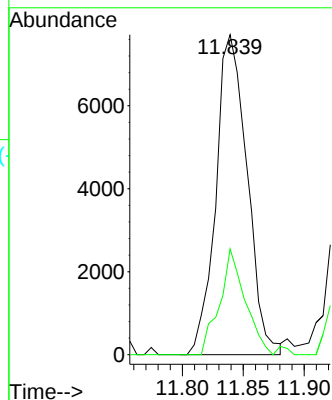
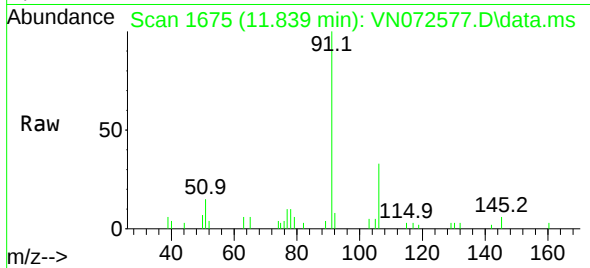




#67
Ethyl Benzene
Concen: 0.989 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

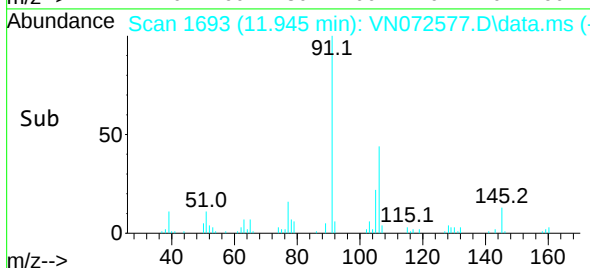
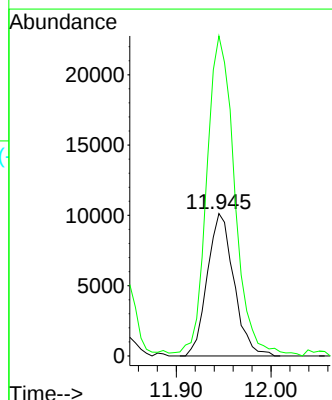
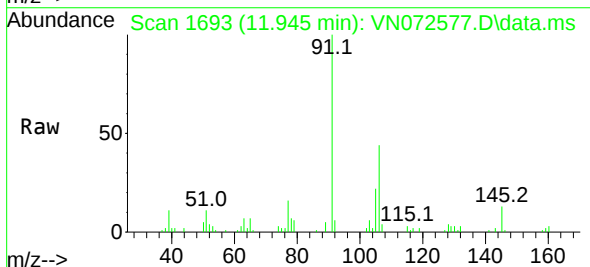
Instrument :
MSVOA_N
ClientSampleId :
31600

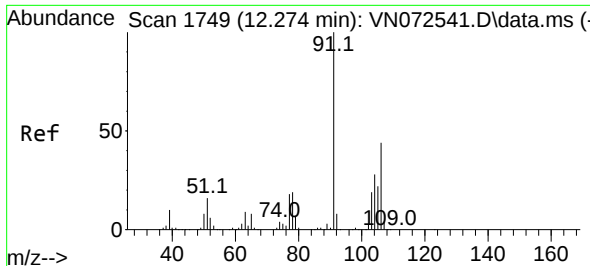
Tgt Ion: 91 Resp: 13794
Ion Ratio Lower Upper
91 100
106 33.0 24.9 37.3



#68
m/p-Xylenes
Concen: 3.673 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

Tgt Ion:106 Resp: 19713
Ion Ratio Lower Upper
106 100
91 237.5 158.9 238.3

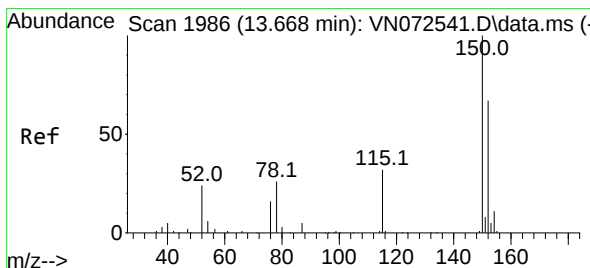
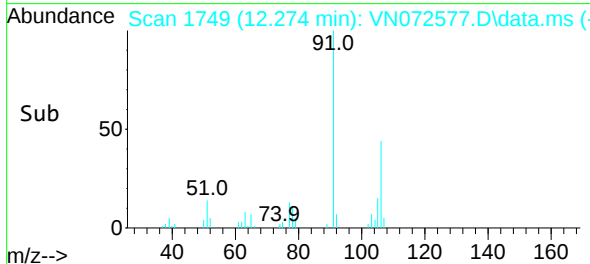
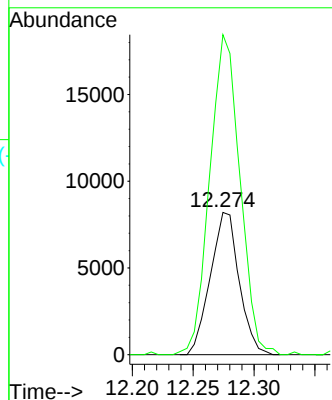
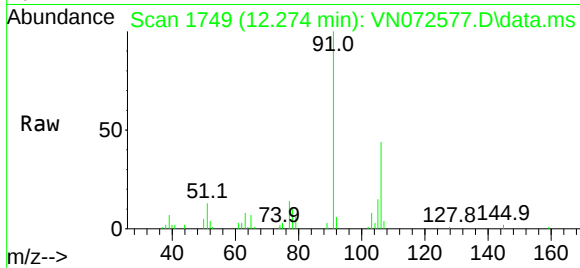




#69
o-Xylene
Concen: 2.473 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

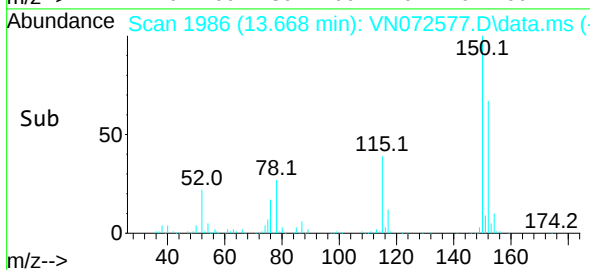
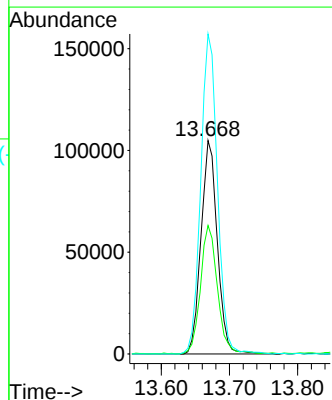
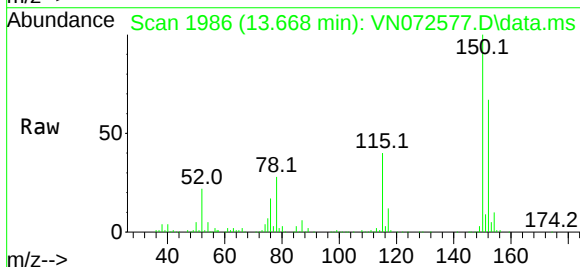
Instrument :
MSVOA_N
ClientSampleId :
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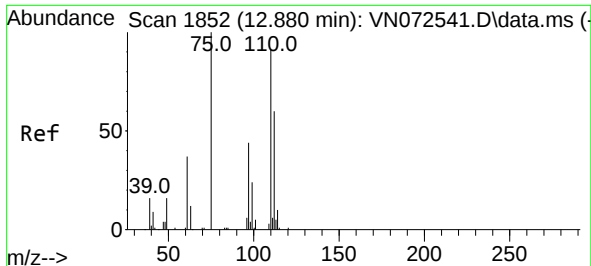
Tgt Ion:106 Resp: 13519
Ion Ratio Lower Upper
106 100
91 235.4 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

Tgt Ion:152 Resp: 174148
Ion Ratio Lower Upper
152 100
115 62.7 28.9 86.7
150 153.5 0.0 356.2

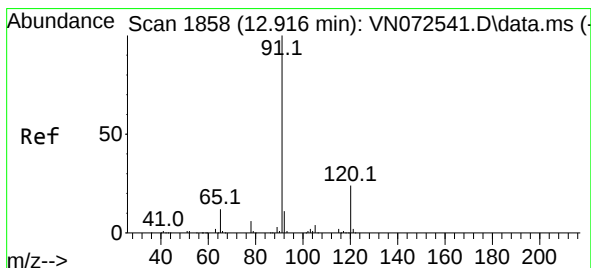
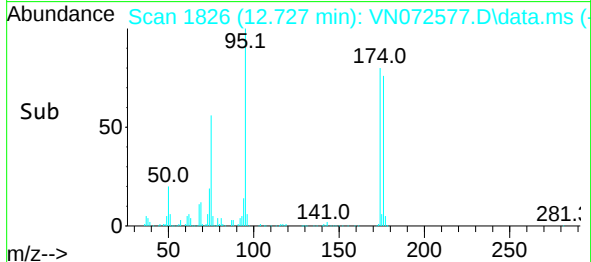
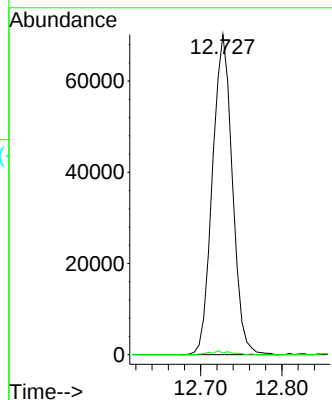
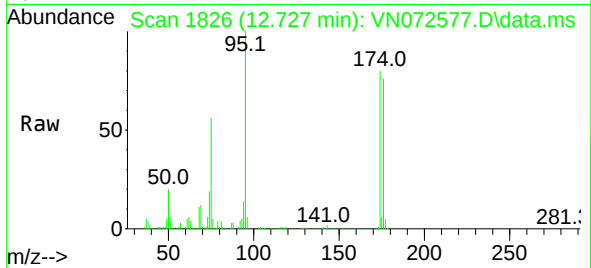




#76
1,2,3-Trichloropropane
Concen: 22.759 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.153 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

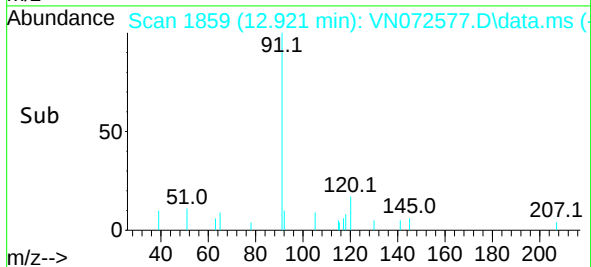
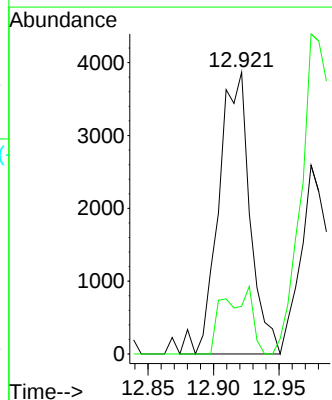
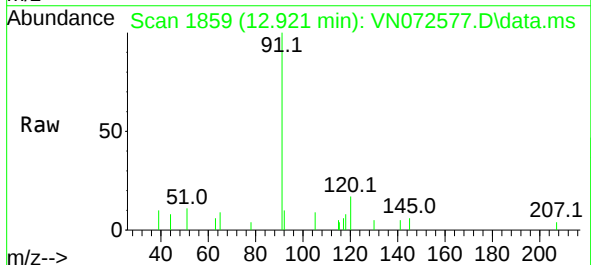
Instrument :
MSVOA_N
ClientSampleId :
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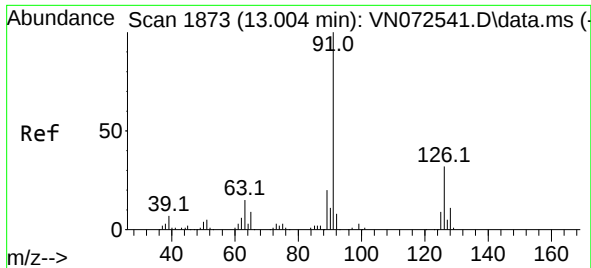
Tgt Ion: 75 Resp: 119732
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#78
n-propylbenzene
Concen: 0.409 ug/l
RT: 12.921 min Scan# 1859
Delta R.T. 0.005 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

Tgt Ion: 91 Resp: 6439
Ion Ratio Lower Upper
91 100
120 21.3 11.9 35.5

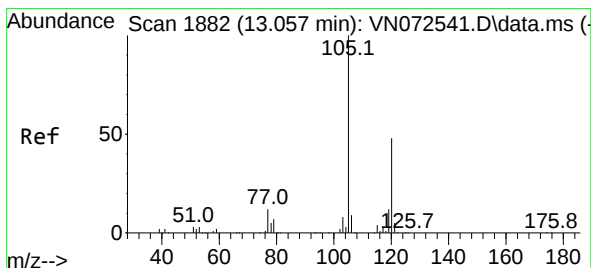
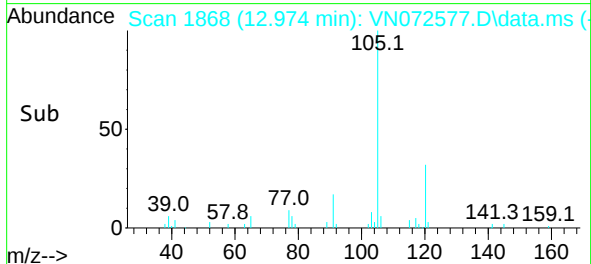
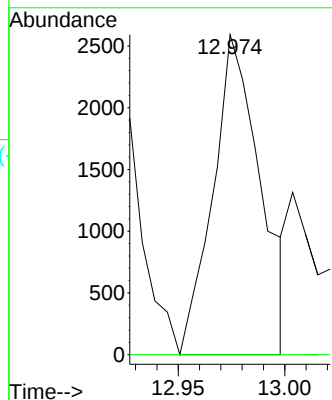
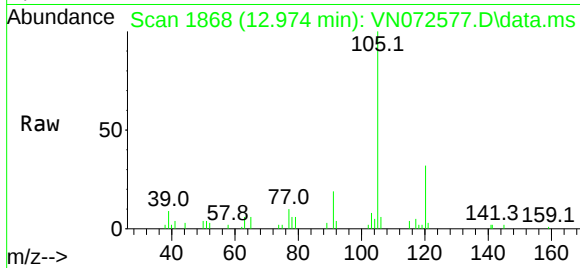




#79
2-Chlorotoluene
Concen: 0.380 ug/l
RT: 12.974 min Scan# 1868
Delta R.T. -0.030 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

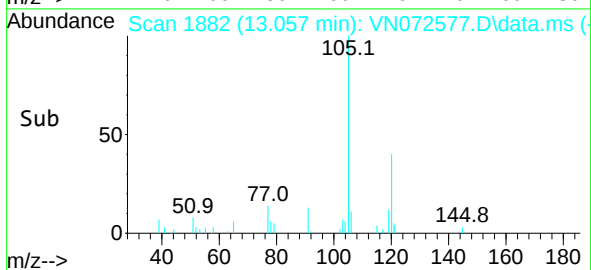
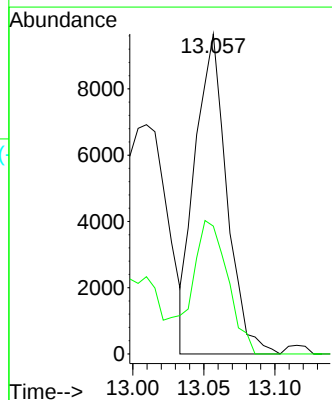
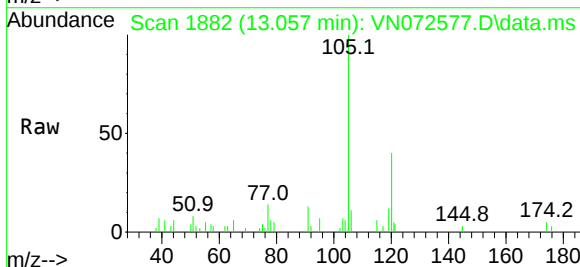
Instrument :
MSVOA_N
ClientSampleId :
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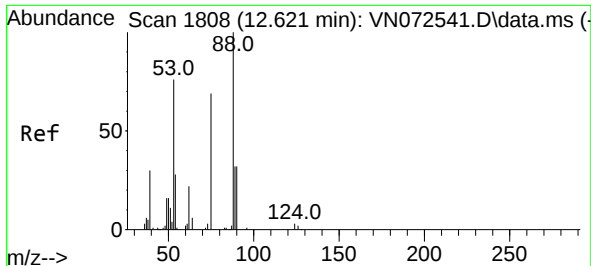
Tgt Ion: 91 Resp: 4005
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.9#



#80
1,3,5-Trimethylbenzene
Concen: 1.198 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. -0.000 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

Tgt Ion: 105 Resp: 14954
Ion Ratio Lower Upper
105 100
120 46.9 24.9 74.7

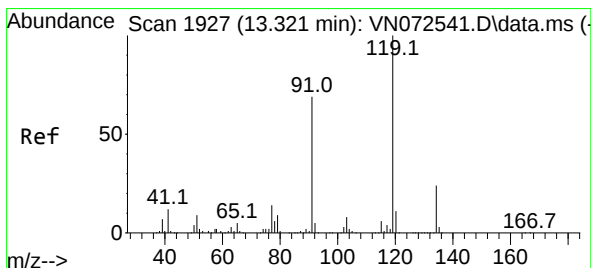
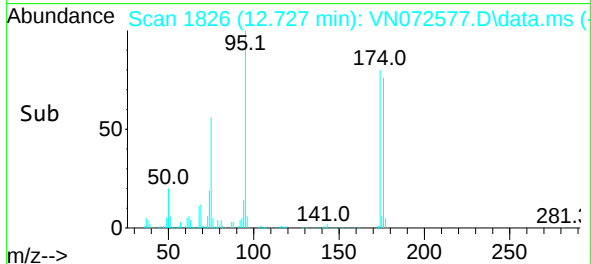
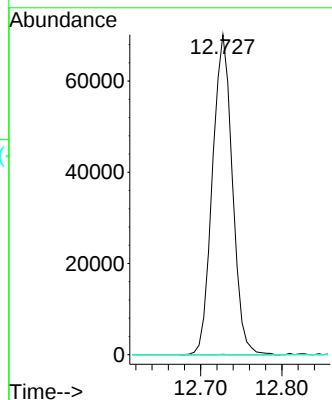
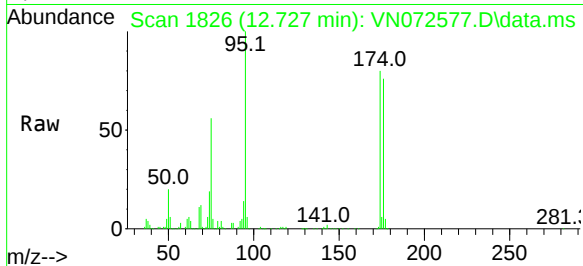




#81
trans-1,4-Dichloro-2-butene
Concen: 94.881 ug/l
RT: 12.727 min Scan# 119732
Delta R.T. 0.106 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

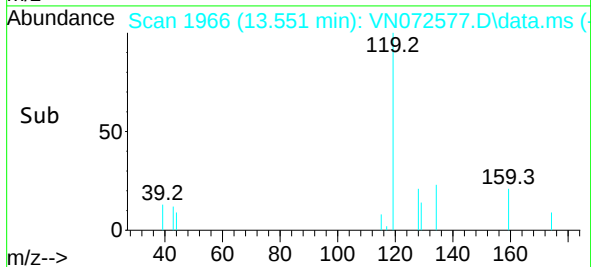
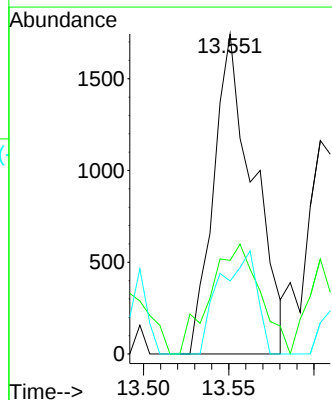
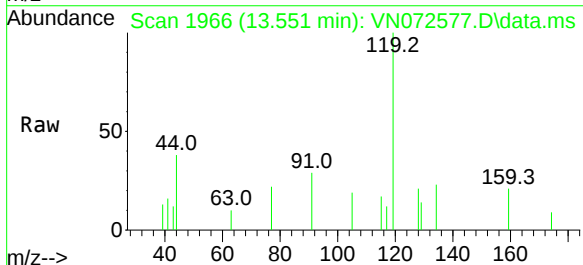
Instrument :
MSVOA_N
ClientSampleId :
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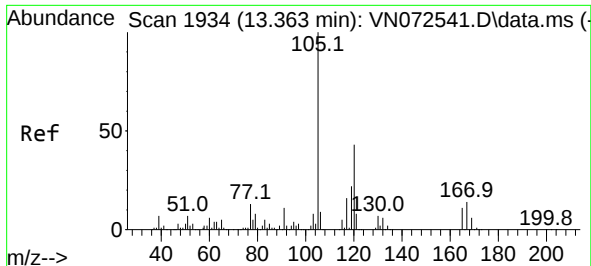
Tgt Ion: 75 Resp: 119732
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#83
tert-Butylbenzene
Concen: 0.268 ug/l
RT: 13.551 min Scan# 1966
Delta R.T. 0.230 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

Tgt Ion: 119 Resp: 2840
Ion Ratio Lower Upper
119 100
91 42.9 31.6 94.8
134 30.0 13.7 41.1

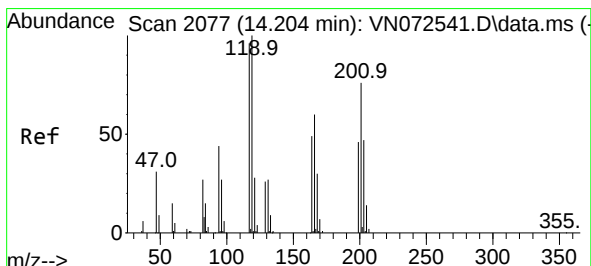
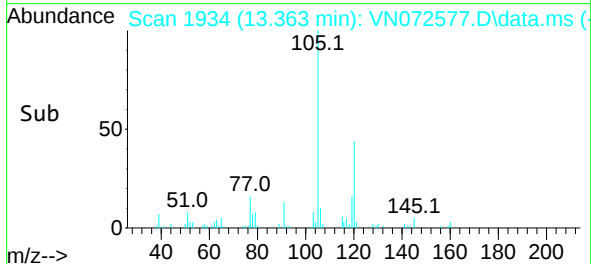
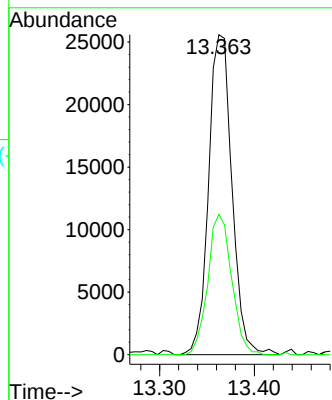
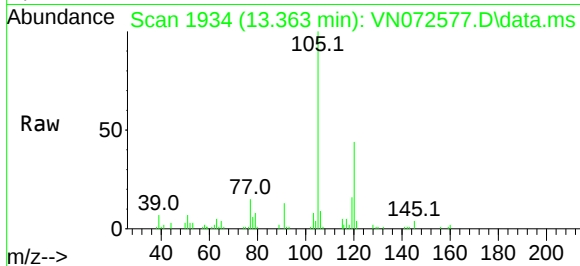




#84
1,2,4-Trimethylbenzene
Concen: 3.658 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

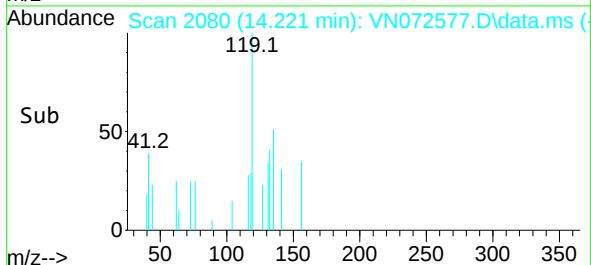
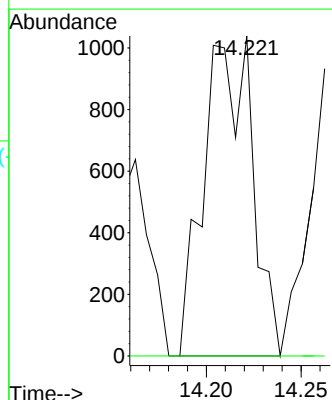
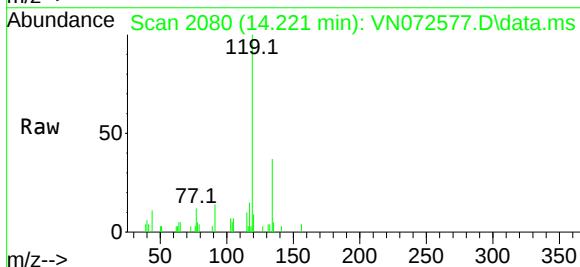
Instrument :
MSVOA_N
ClientSampleId :
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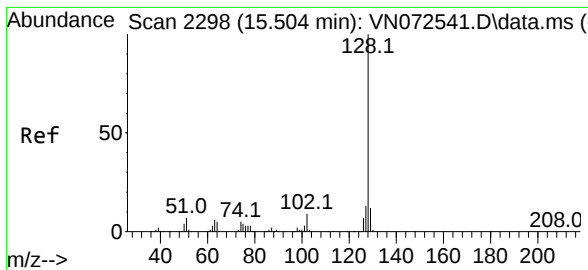
Tgt Ion:105 Resp: 43819
Ion Ratio Lower Upper
105 100
120 44.7 23.3 69.8



#90
Hexachloroethane
Concen: 0.903 ug/l
RT: 14.221 min Scan# 2080
Delta R.T. 0.017 min
Lab File: VN072577.D
Acq: 20 May 2022 15:12

Tgt Ion:117 Resp: 1829
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#





#95
 Naphthalene
 Concen: 1.901 ug/l
 RT: 15.509 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: VN072577.D
 Acq: 20 May 2022 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 31600

Tgt Ion:	128	Resp:	14586
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	9.1	8.6	13.0

