

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112723\
 Data File : VN080277.D
 Acq On : 27 Nov 2023 16:00
 Operator : JC\MD
 Sample : 05546-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 28 02:09:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

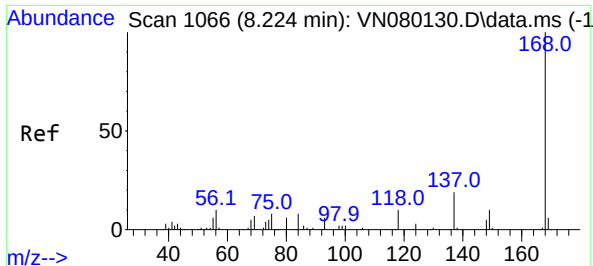
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	169312	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	306138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	333300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	155293	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	147483	52.755	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.520%			
35) Dibromofluoromethane	8.171	113	117519	52.025	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.060%			
50) Toluene-d8	10.571	98	408642	50.184	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.360%			
62) 4-Bromofluorobenzene	12.853	95	175452	57.045	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.080%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	3679	11.967	ug/l #	72
16) Acetone	4.430	43	54597	58.145	ug/l	91
17) Carbon Disulfide	4.712	76	2340	0.438	ug/l #	75
20) Methylene Chloride	5.271	84	1218	0.619	ug/l #	66
25) 2-Butanone	7.488	43	18553	16.630	ug/l	99
31) Cyclohexane	8.224	56	4205	1.383	ug/l #	23
36) 1,1-Dichloropropene	8.229	75	13789	4.216	ug/l #	49
37) Ethyl Acetate	7.488	43	18553	8.179	ug/l #	63
38) Carbon Tetrachloride	8.224	117	20016	4.823	ug/l #	15
40) Benzene	8.618	78	4692	0.505	ug/l	100
48) Methyl methacrylate	9.665	41	753	0.331	ug/l #	30
51) 4-Methyl-2-Pentanone	10.447	43	2659	1.163	ug/l	86
52) Toluene	10.635	92	6155	1.058	ug/l	87
59) 2-Hexanone	11.206	43	3356	1.827	ug/l	85
67) Ethyl Benzene	11.965	91	4158	0.309	ug/l	96
68) m/p-Xylenes	12.076	106	5758	1.175	ug/l	78
69) o-Xylene	12.406	106	3352	0.726	ug/l	89
74) N-amyl acetate	12.459	43	3167	0.842	ug/l #	47
76) 1,2,3-Trichloropropane	12.853	75	98829	25.974	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	98829	87.755	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.482	105	3891	0.376	ug/l	89
95) Naphthalene	15.647	128	8246	0.932	ug/l	96

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

Quant Time: Nov 28 02:09:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration

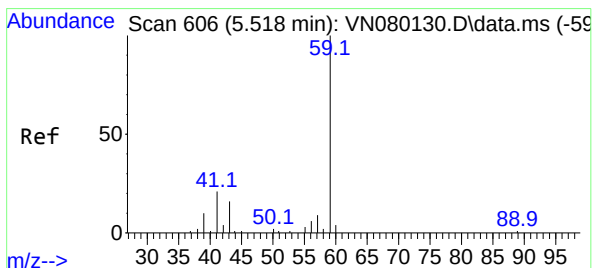
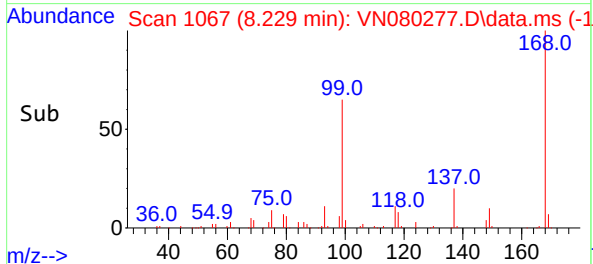
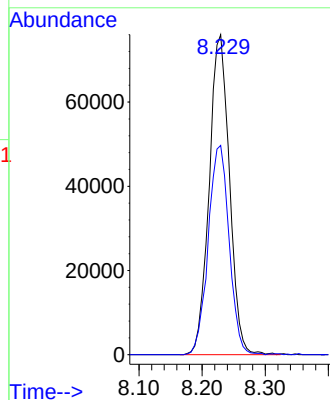
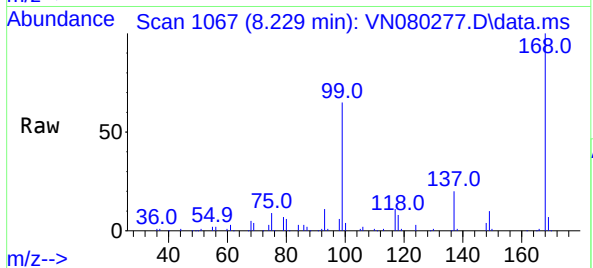




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

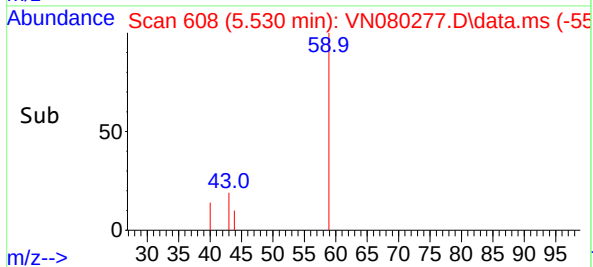
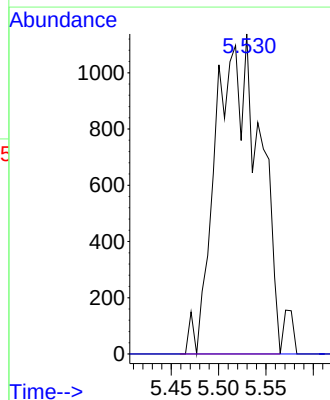
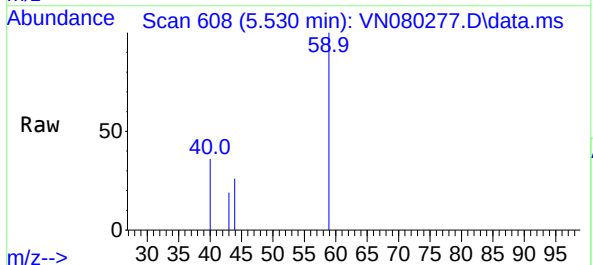
Instrument :
MSVOA_N
ClientSampleId :

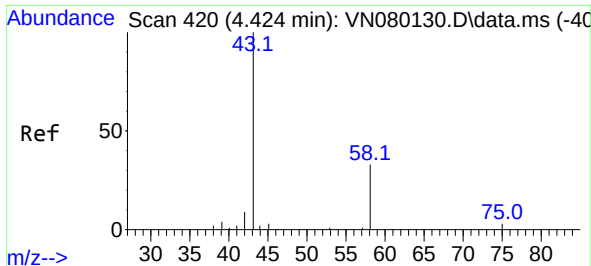
Tgt Ion:168 Resp: 169312
Ion Ratio Lower Upper
168 100
99 65.4 53.0 79.6



#11
Tert butyl alcohol
Concen: 11.967 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.012 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

Tgt Ion: 59 Resp: 3679
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

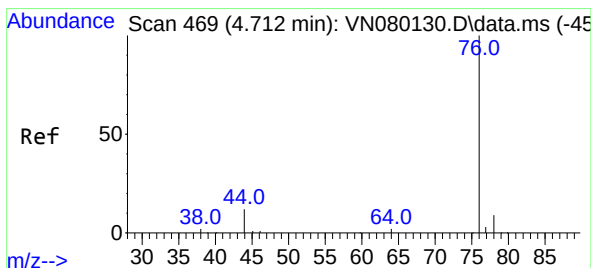
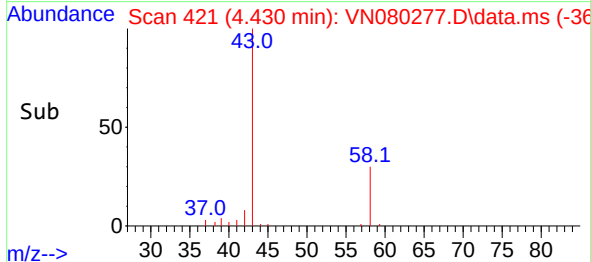
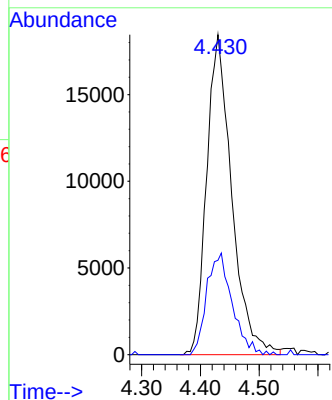
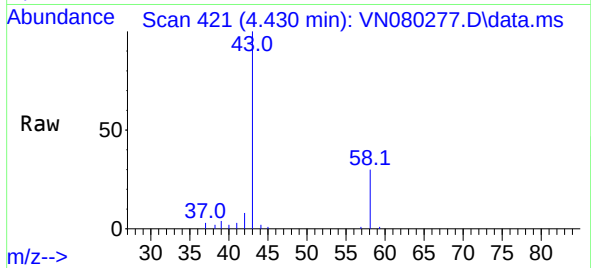




#16
Acetone
Concen: 58.145 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

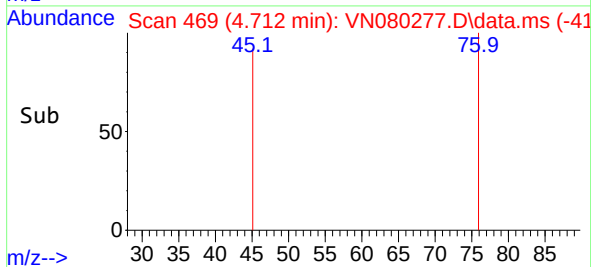
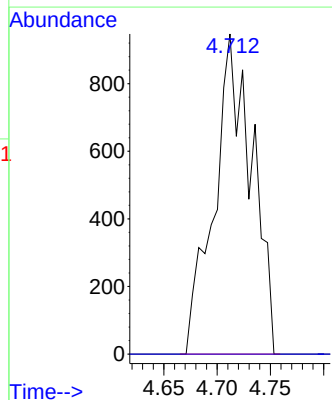
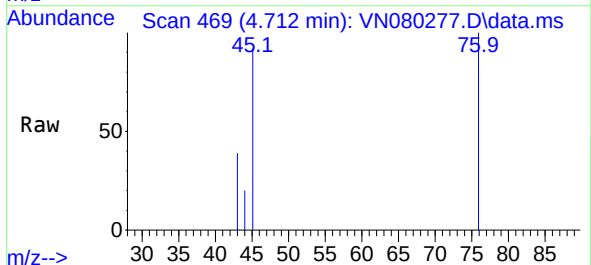
Instrument :
MSVOA_N
ClientSampleId :

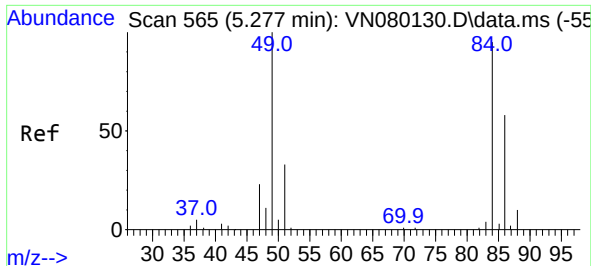
Tgt Ion: 43 Resp: 54597
Ion Ratio Lower Upper
43 100
58 29.5 28.0 42.0



#17
Carbon Disulfide
Concen: 0.438 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

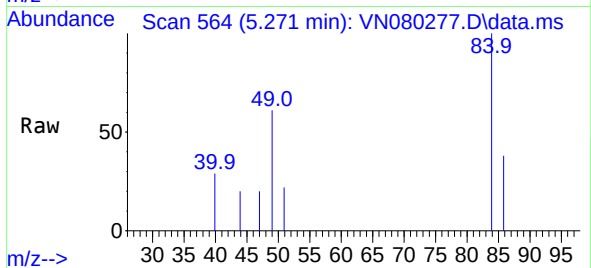
Tgt Ion: 76 Resp: 2340
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



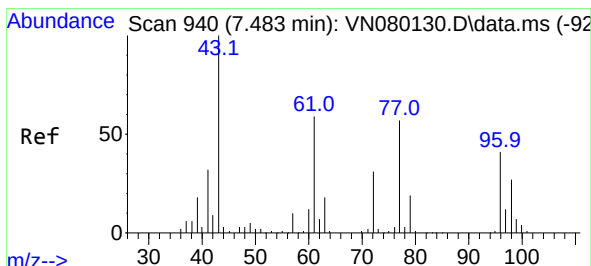
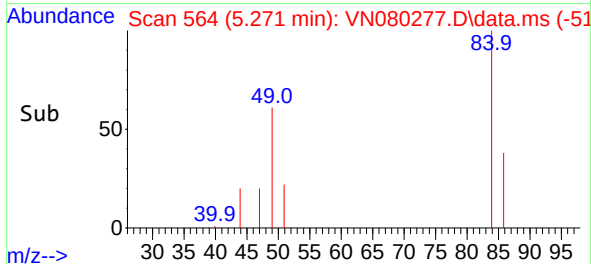
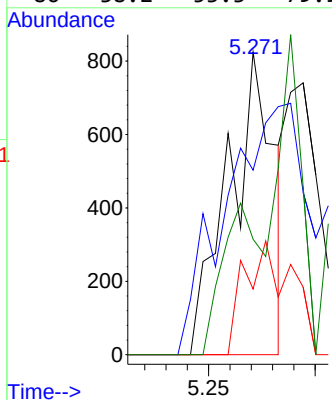


#20
Methylene Chloride
Concen: 0.619 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

Instrument :
MSVOA_N
ClientSampleId :

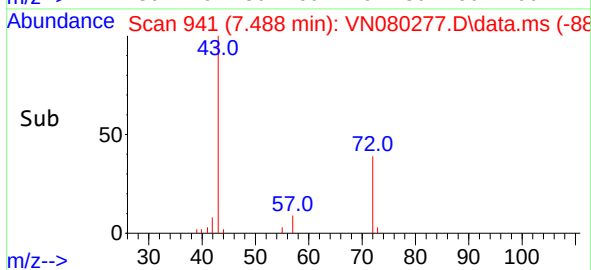
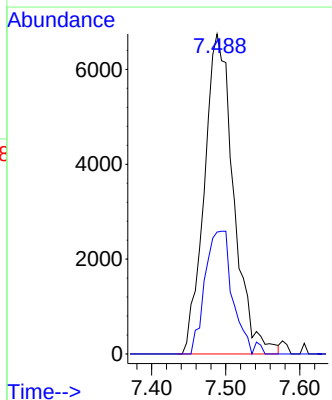
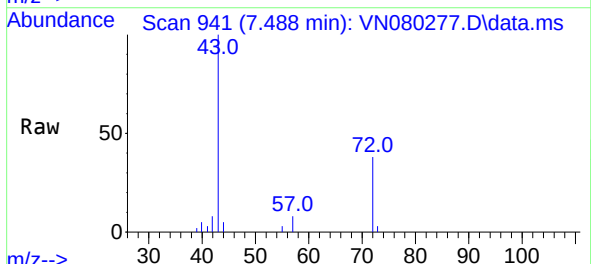


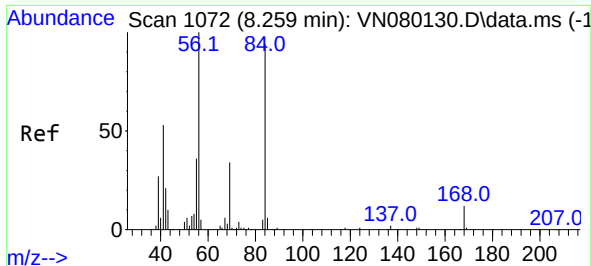
Tgt Ion: 84 Resp: 1218
Ion Ratio Lower Upper
84 100
49 61.0 79.7 119.5#
51 21.7 25.2 37.8#
86 38.2 53.3 79.9#



#25
2-Butanone
Concen: 16.630 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

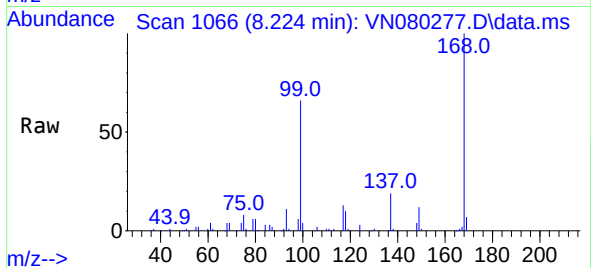
Tgt Ion: 43 Resp: 18553
Ion Ratio Lower Upper
43 100
72 38.1 30.2 45.2



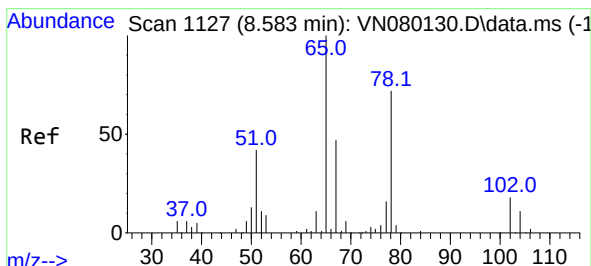
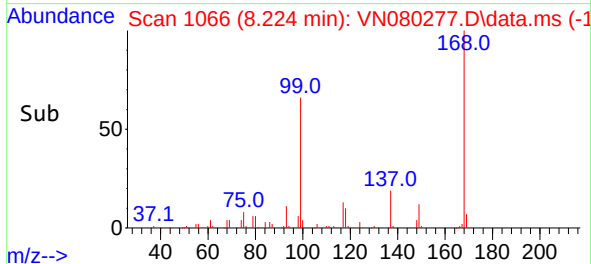
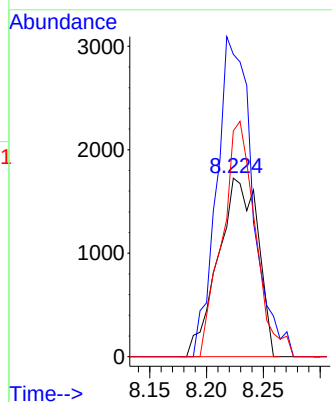


#31
Cyclohexane
Concen: 1.383 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

Instrument :
MSVOA_N
ClientSampleId :

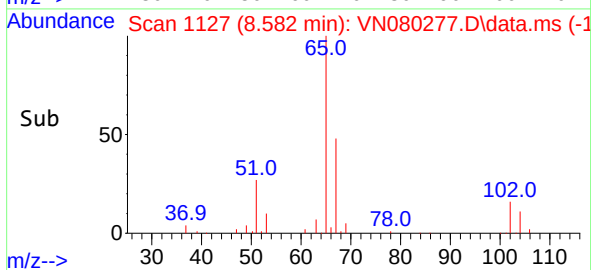
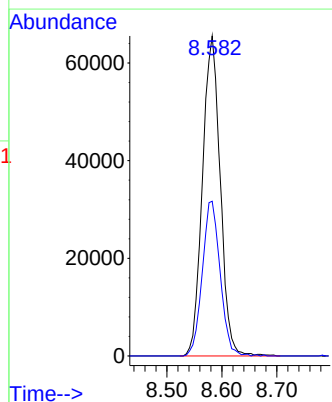
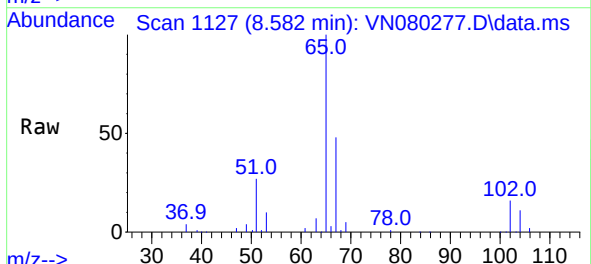


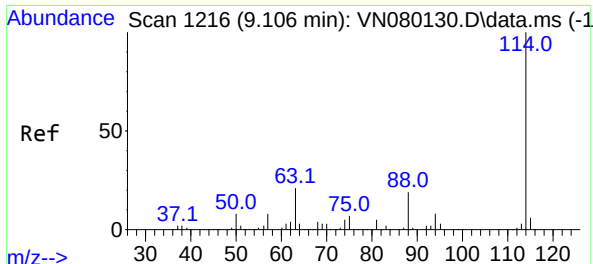
Tgt Ion: 56 Resp: 4205
Ion Ratio Lower Upper
56 100
69 169.4 26.8 40.2#
84 126.4 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 52.755 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

Tgt Ion: 65 Resp: 147483
Ion Ratio Lower Upper
65 100
67 48.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN080277.D

Acq: 27 Nov 2023 16:00

Instrument :

MSVOA_N

ClientSampleId :

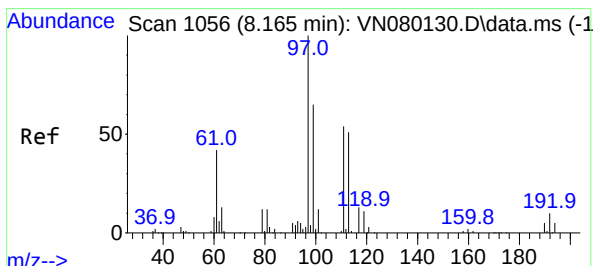
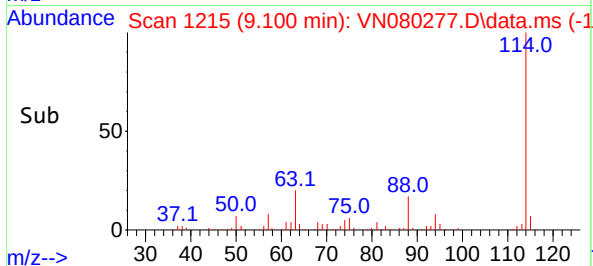
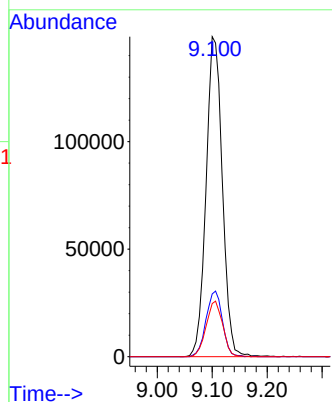
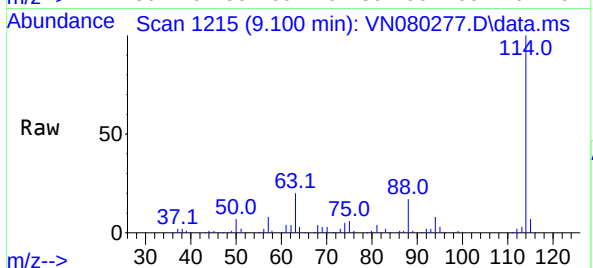
Tgt Ion:114 Resp: 306138

Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.4

88 16.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.025 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN080277.D

Acq: 27 Nov 2023 16:00

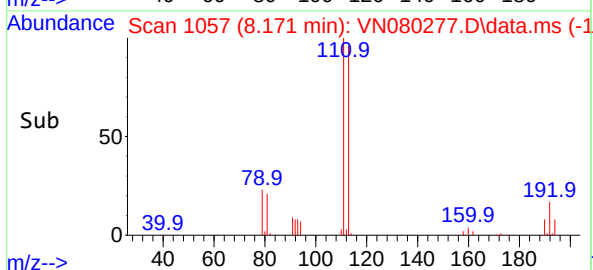
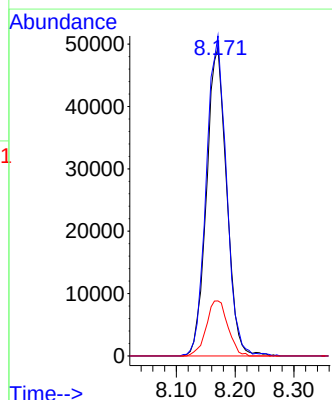
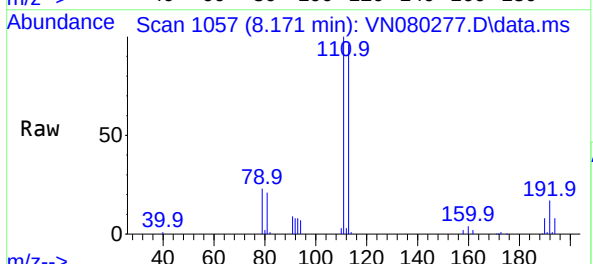
Tgt Ion:113 Resp: 117519

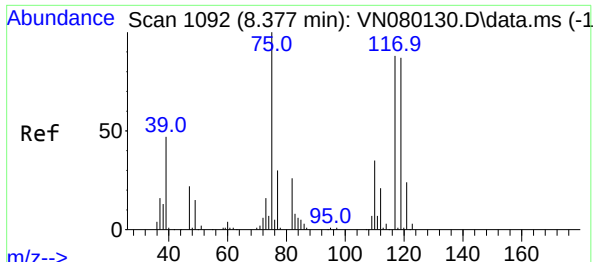
Ion Ratio Lower Upper

113 100

111 103.9 82.6 123.8

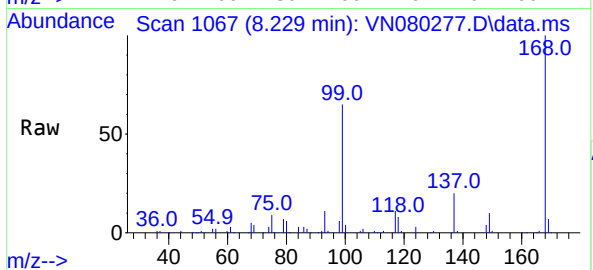
192 19.1 12.7 19.1#



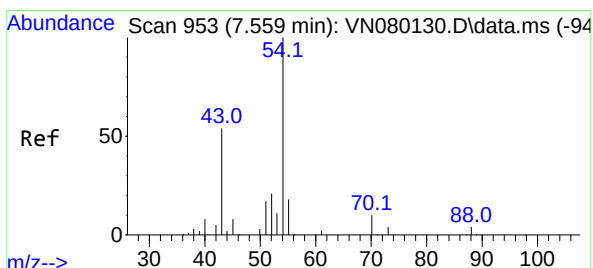
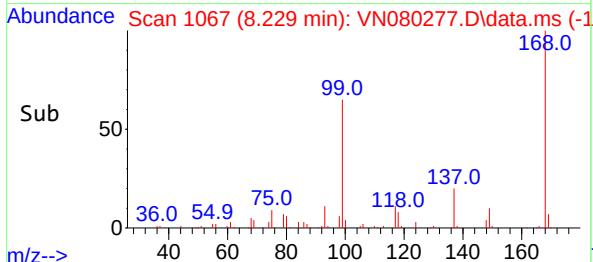
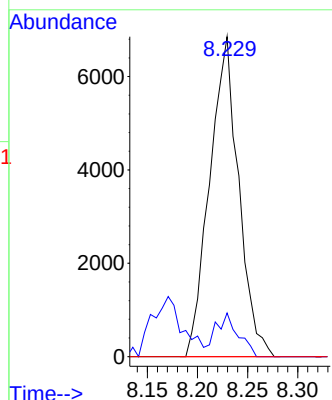


#36
1,1-Dichloropropene
Concen: 4.216 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

Instrument :
MSVOA_N
ClientSampleId :

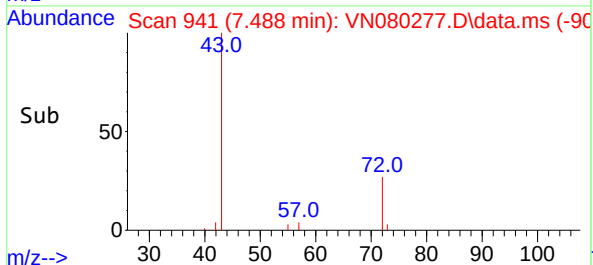
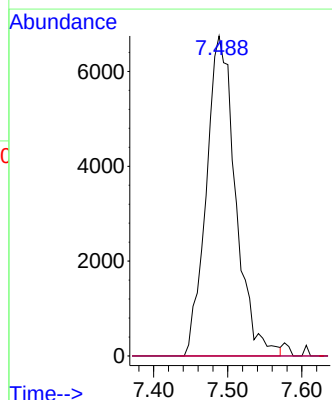
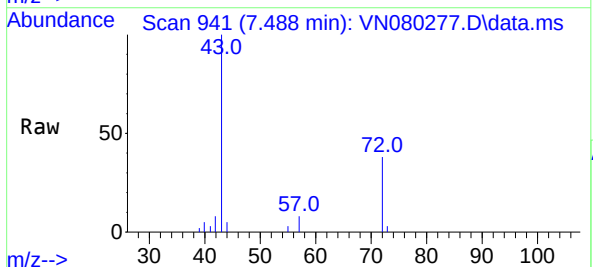


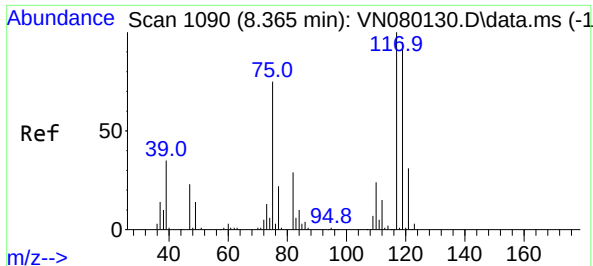
Tgt Ion: 75 Resp: 13789
Ion Ratio Lower Upper
75 100
110 10.6 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 8.179 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.071 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

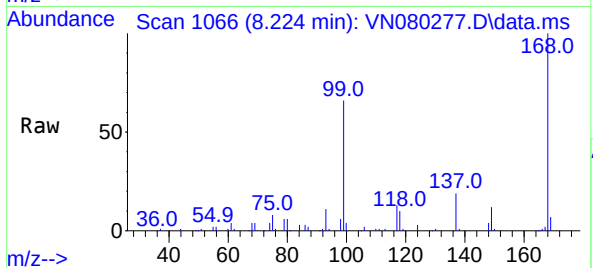
Tgt Ion: 43 Resp: 18553
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 0.0 11.3 16.9#



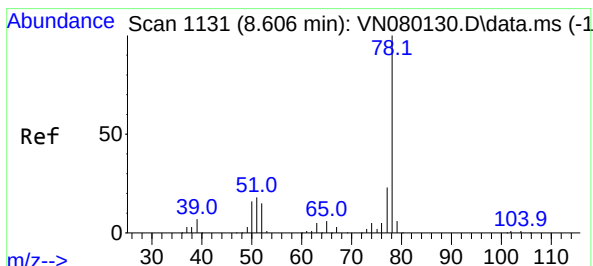
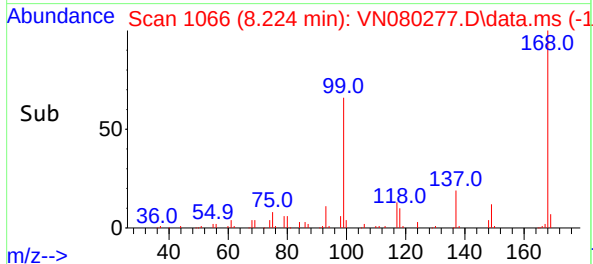
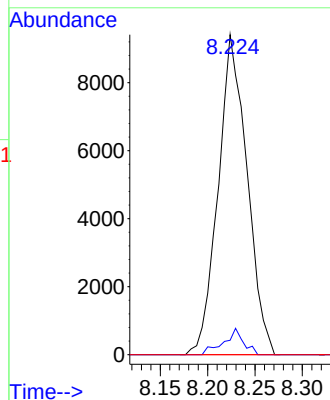


#38
Carbon Tetrachloride
Concen: 4.823 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

Instrument :
MSVOA_N
ClientSampleId :

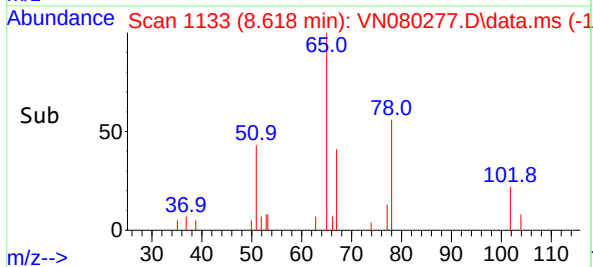
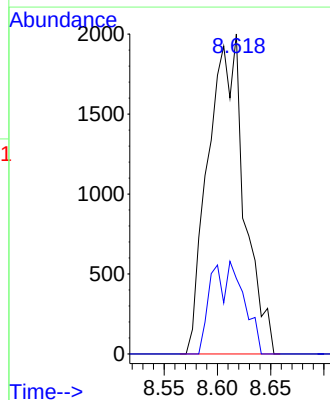
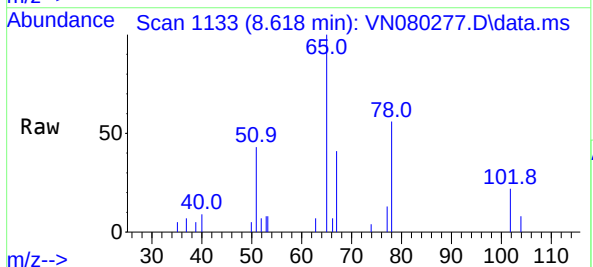


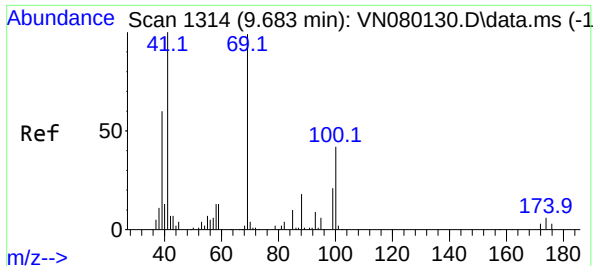
Tgt Ion:117 Resp: 20016
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 23.3 34.9#



#40
Benzene
Concen: 0.505 ug/l
RT: 8.618 min Scan# 1133
Delta R.T. 0.012 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

Tgt Ion: 78 Resp: 4692
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6





#48

Methyl methacrylate

Concen: 0.331 ug/l

RT: 9.665 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN080277.D

Acq: 27 Nov 2023 16:00

Instrument :

MSVOA_N

ClientSampleId :

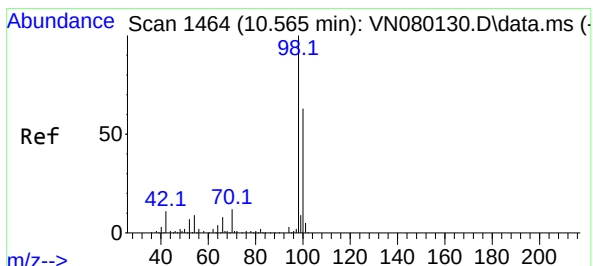
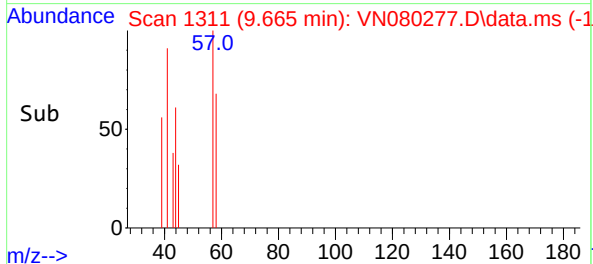
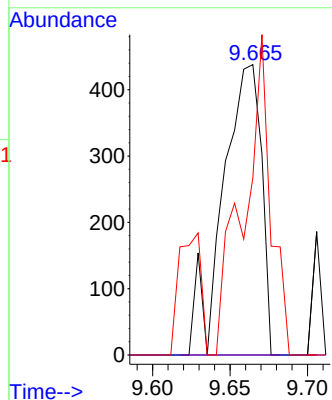
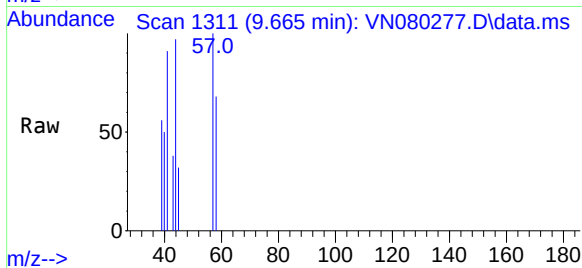
Tgt Ion: 41 Resp: 753

Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 78.1 54.6 81.8



#50

Toluene-d8

Concen: 50.184 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080277.D

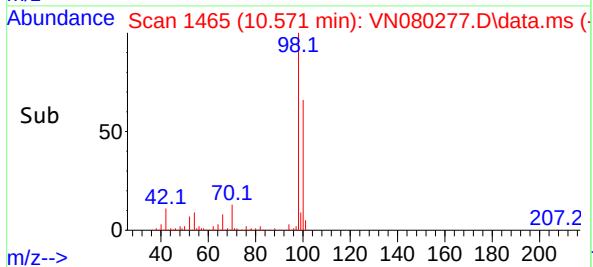
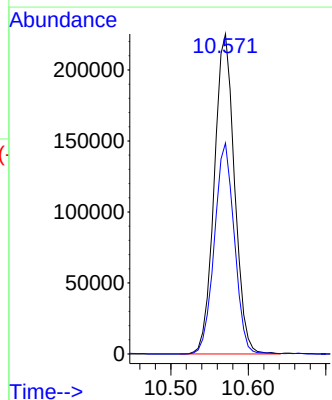
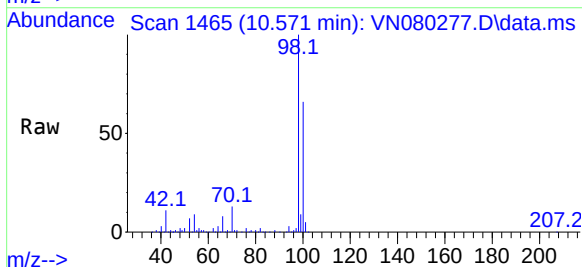
Acq: 27 Nov 2023 16:00

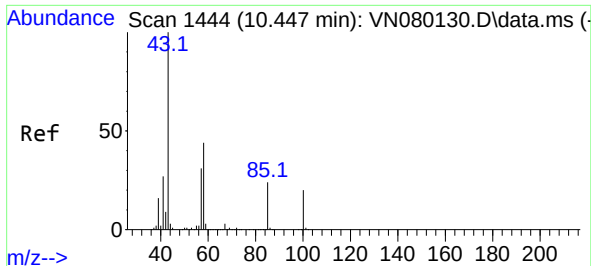
Tgt Ion: 98 Resp: 408642

Ion Ratio Lower Upper

98 100

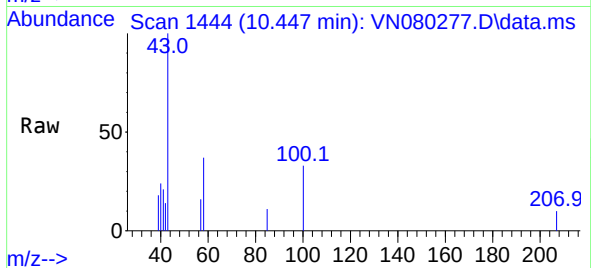
100 65.0 52.0 78.0



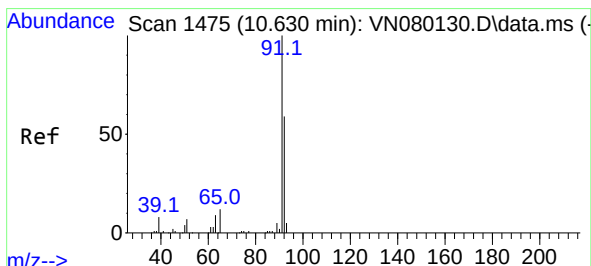
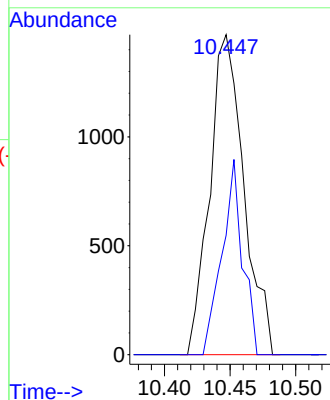
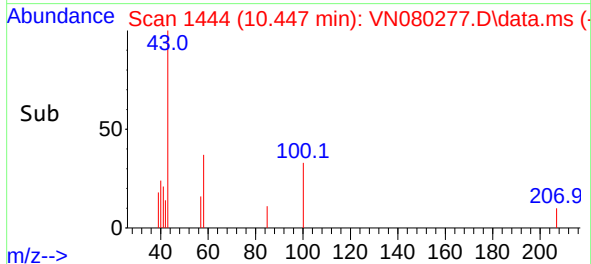


#51
4-Methyl-2-Pentanone
Concen: 1.163 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

Instrument :
MSVOA_N
ClientSampleId :

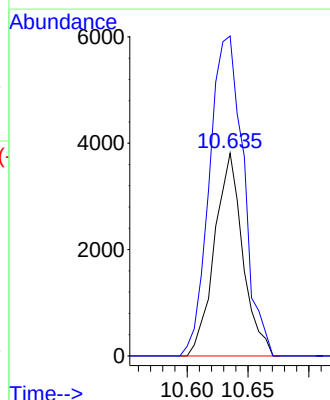
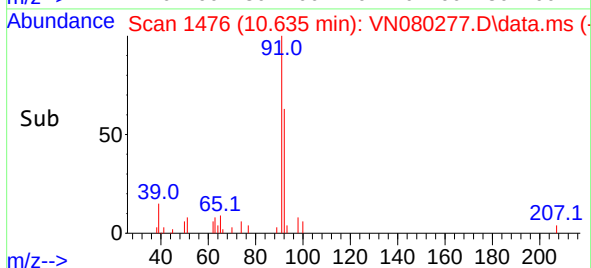
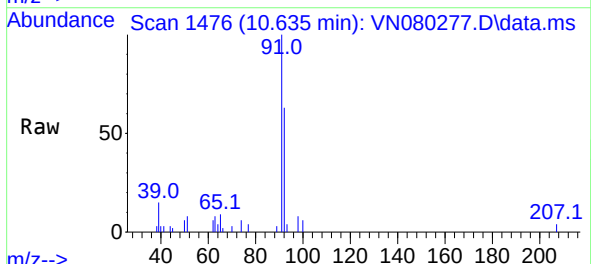


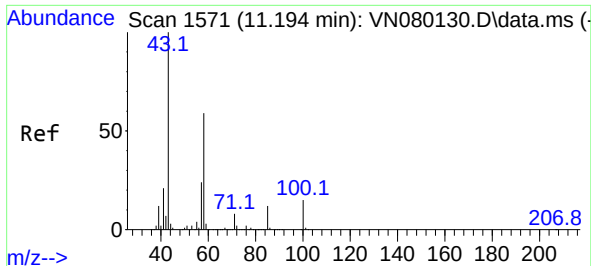
Tgt Ion: 43 Resp: 2659
Ion Ratio Lower Upper
43 100
58 36.7 36.6 54.8



#52
Toluene
Concen: 1.058 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

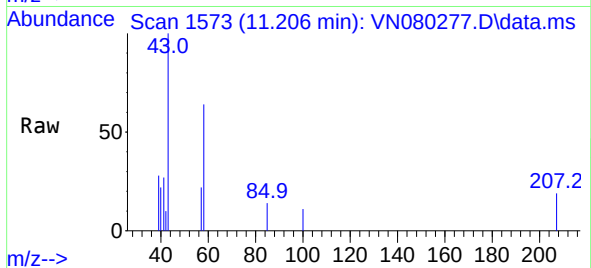
Tgt Ion: 92 Resp: 6155
Ion Ratio Lower Upper
92 100
91 189.6 137.4 206.0



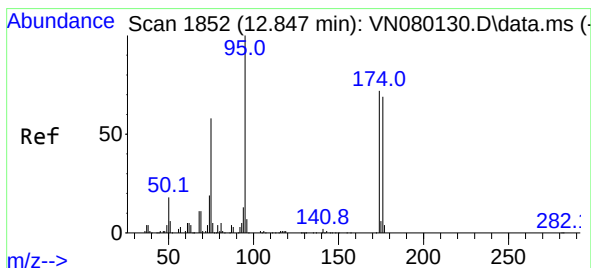
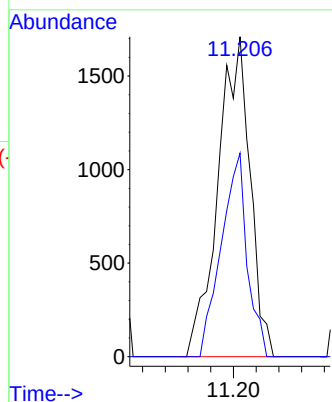
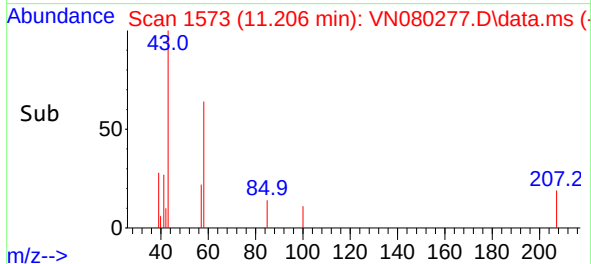


#59
2-Hexanone
Concen: 1.827 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

Instrument :
MSVOA_N
ClientSampleId :

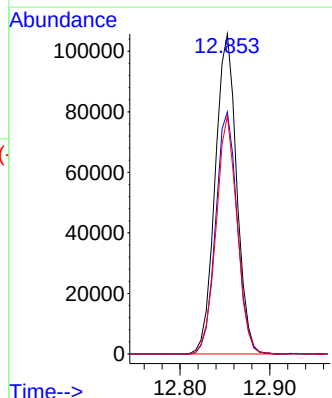
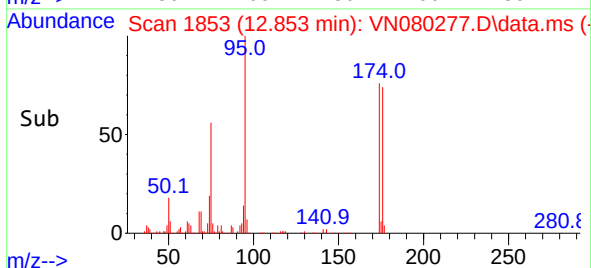
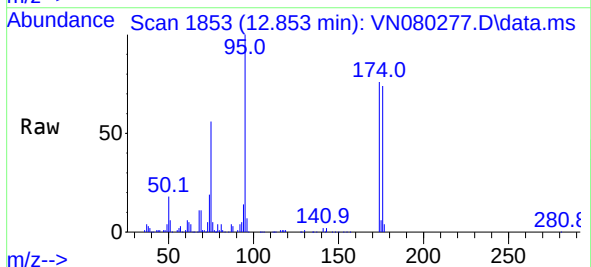


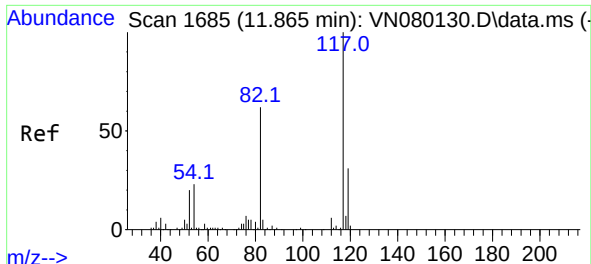
Tgt Ion: 43 Resp: 3356
Ion Ratio Lower Upper
43 100
58 51.4 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 57.045 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

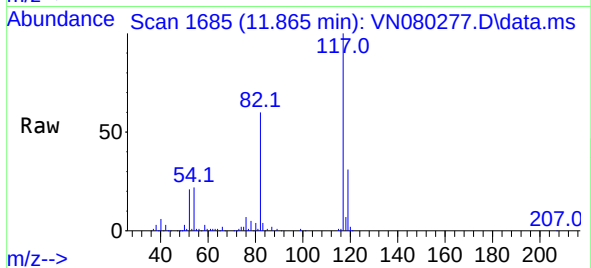
Tgt Ion: 95 Resp: 175452
Ion Ratio Lower Upper
95 100
174 75.8 0.0 143.8
176 72.6 0.0 135.8



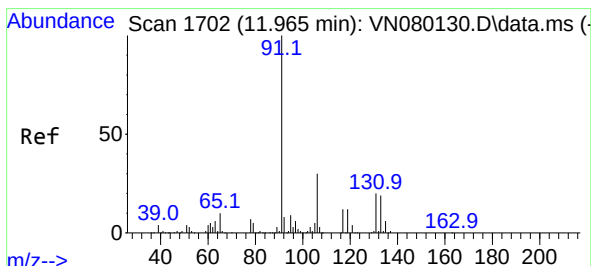
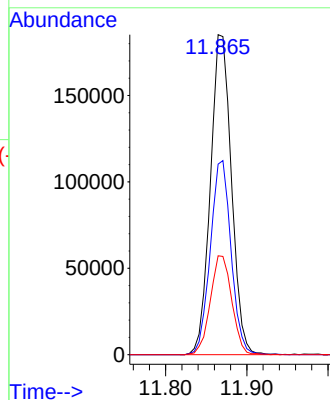
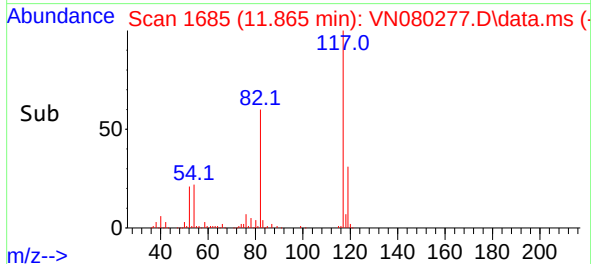


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

Instrument :
MSVOA_N
ClientSampleId :

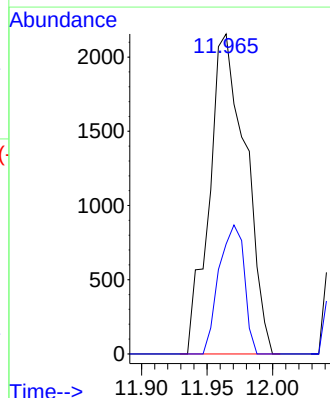
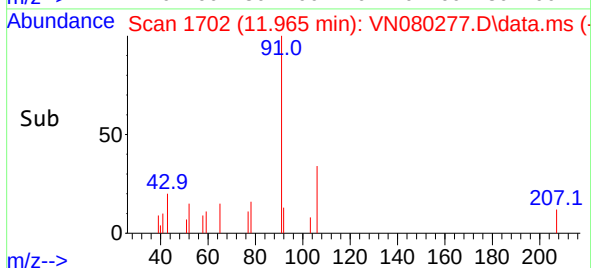
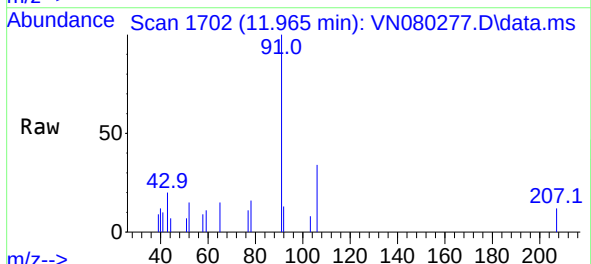


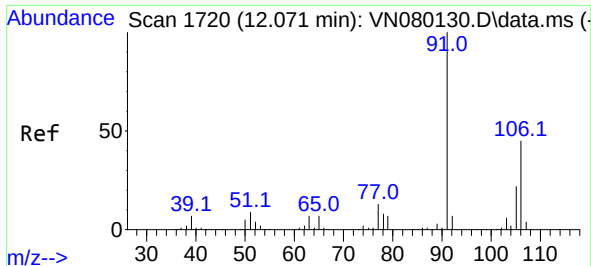
Tgt Ion:117 Resp: 333300
Ion Ratio Lower Upper
117 100
82 59.5 44.0 66.0
119 30.9 25.6 38.4



#67
Ethyl Benzene
Concen: 0.309 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

Tgt Ion: 91 Resp: 4158
Ion Ratio Lower Upper
91 100
106 34.3 25.6 38.4

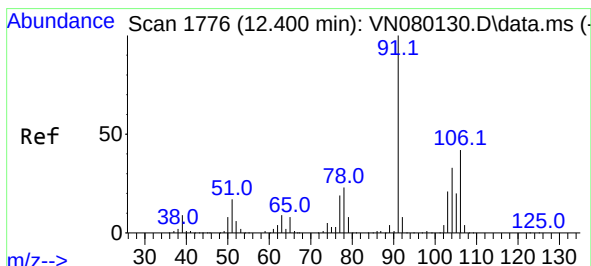
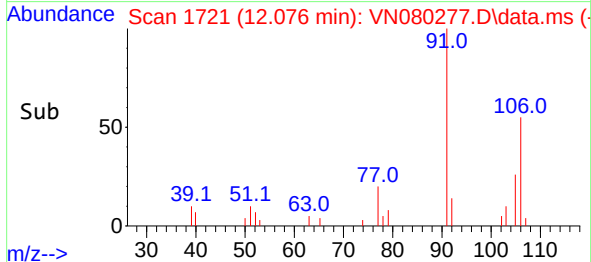
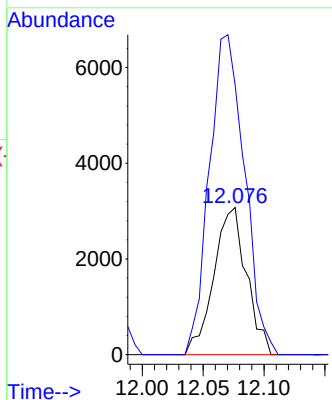
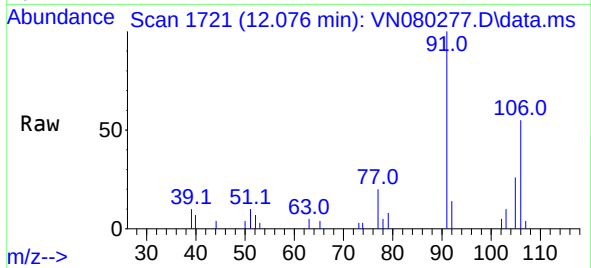




#68
m/p-Xylenes
Concen: 1.175 ug/l
RT: 12.076 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

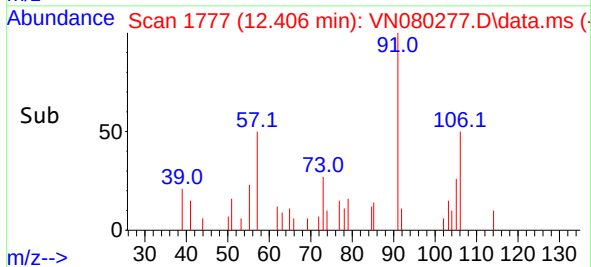
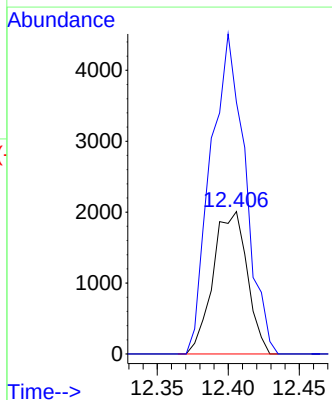
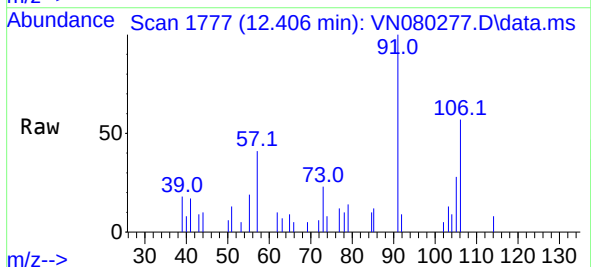
Instrument :
MSVOA_N
ClientSampleId :

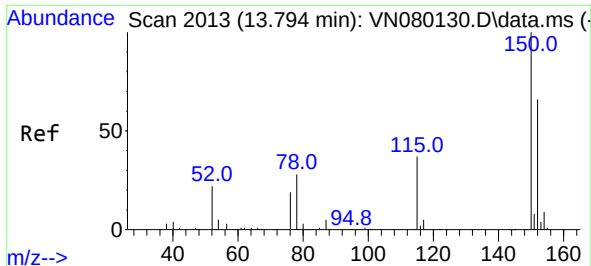
Tgt Ion:106 Resp: 5758
Ion Ratio Lower Upper
106 100
91 233.3 159.6 239.4



#69
o-Xylene
Concen: 0.726 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

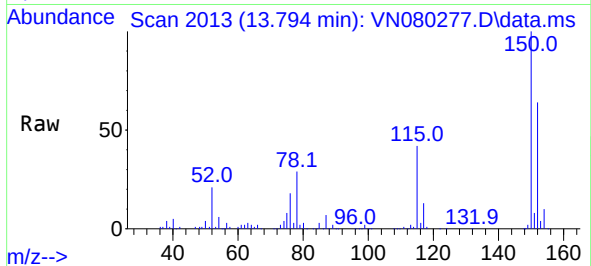
Tgt Ion:106 Resp: 3352
Ion Ratio Lower Upper
106 100
91 228.0 105.2 315.5



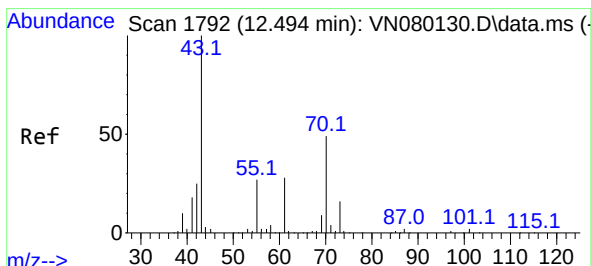
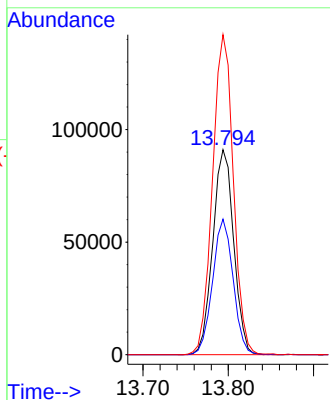
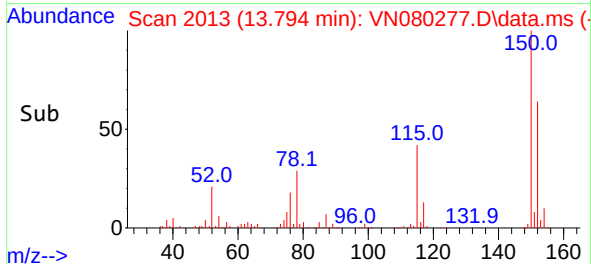


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

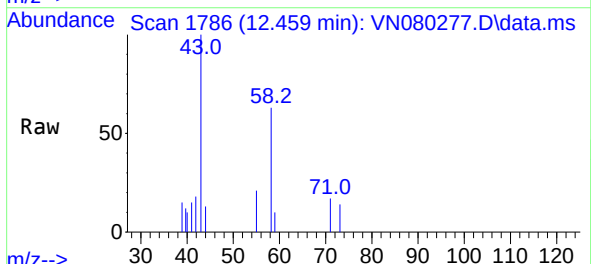
Instrument :
MSVOA_N
ClientSampleId :



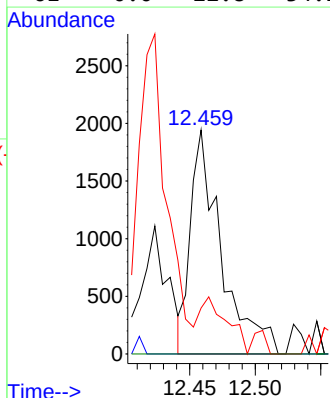
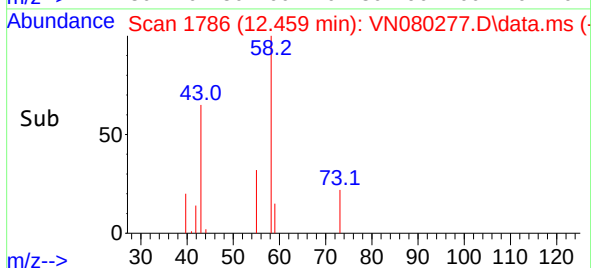
Tgt Ion:152 Resp: 155293
Ion Ratio Lower Upper
152 100
115 65.0 32.3 96.8
150 155.3 0.0 355.8

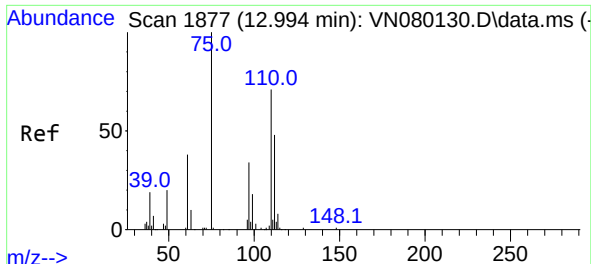


#74
N-ethyl acetate
Concen: 0.842 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.035 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00



Tgt Ion: 43 Resp: 3167
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 22.7 21.4 32.0
61 0.0 22.8 34.2#

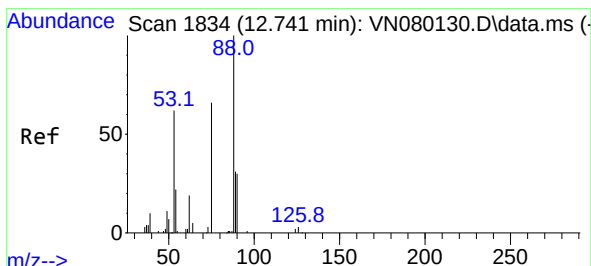
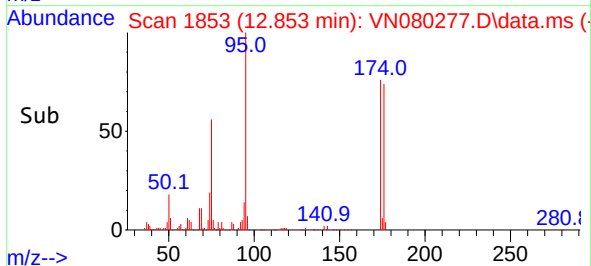
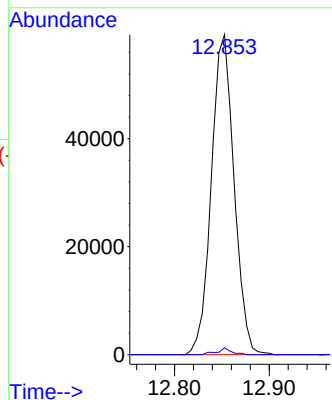
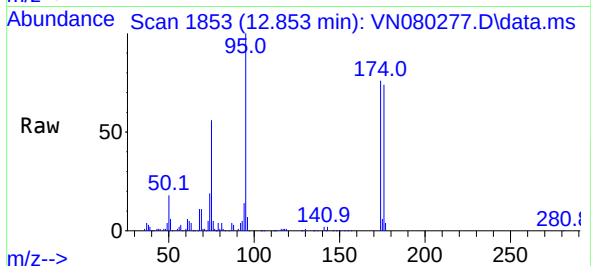




#76
1,2,3-Trichloropropane
Concen: 25.974 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

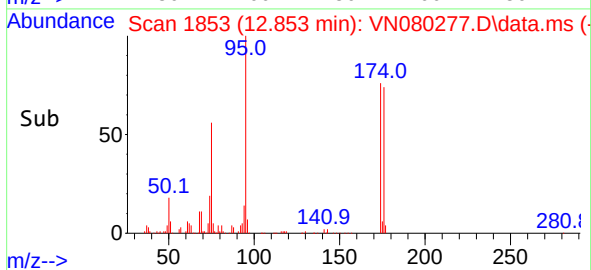
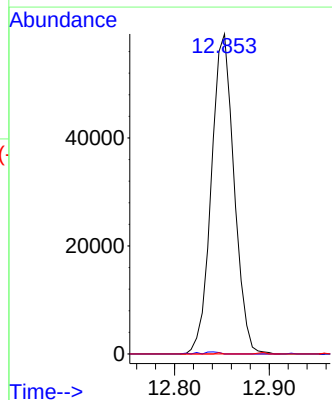
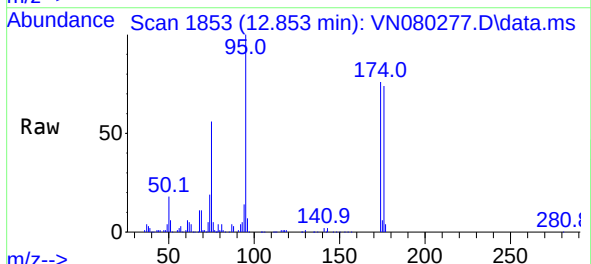
Instrument :
MSVOA_N
ClientSampleId :

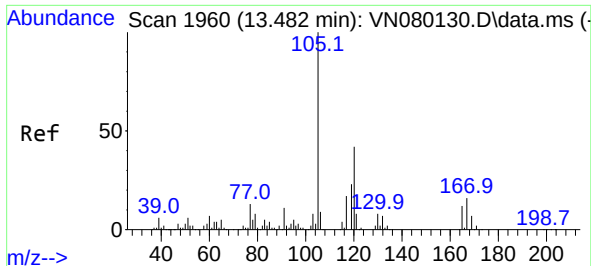
Tgt Ion: 75 Resp: 98829
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.755 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

Tgt Ion: 75 Resp: 98829
Ion Ratio Lower Upper
75 100
53 0.5 67.4 101.2#
89 0.1 38.8 58.2#

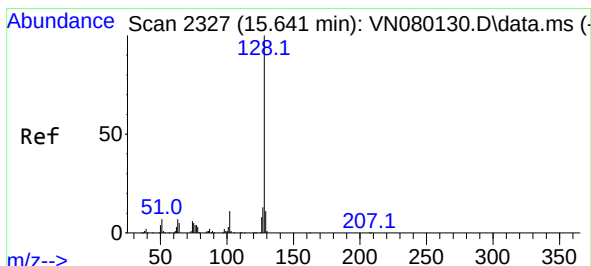
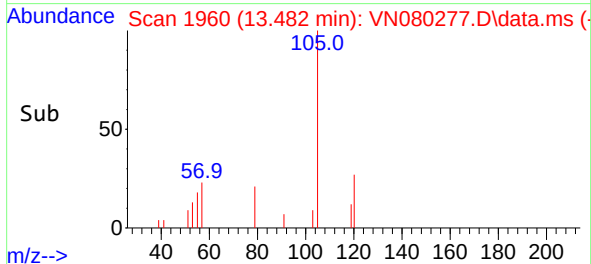
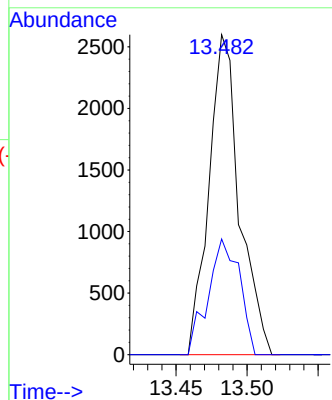
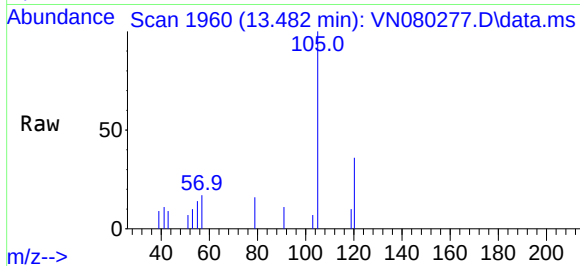




#84
1,2,4-Trimethylbenzene
Concen: 0.376 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:105 Resp: 3891
Ion Ratio Lower Upper
105 100
120 37.0 22.0 66.0



#95
Naphthalene
Concen: 0.932 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080277.D
Acq: 27 Nov 2023 16:00

Tgt Ion:128 Resp: 8246
Ion Ratio Lower Upper
128 100
127 13.6 10.0 15.0
129 9.2 8.7 13.1

