

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112723\
 Data File : VN080275.D
 Acq On : 27 Nov 2023 15:13
 Operator : JC\MD
 Sample : 05546-01 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 28 02:08:47 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)

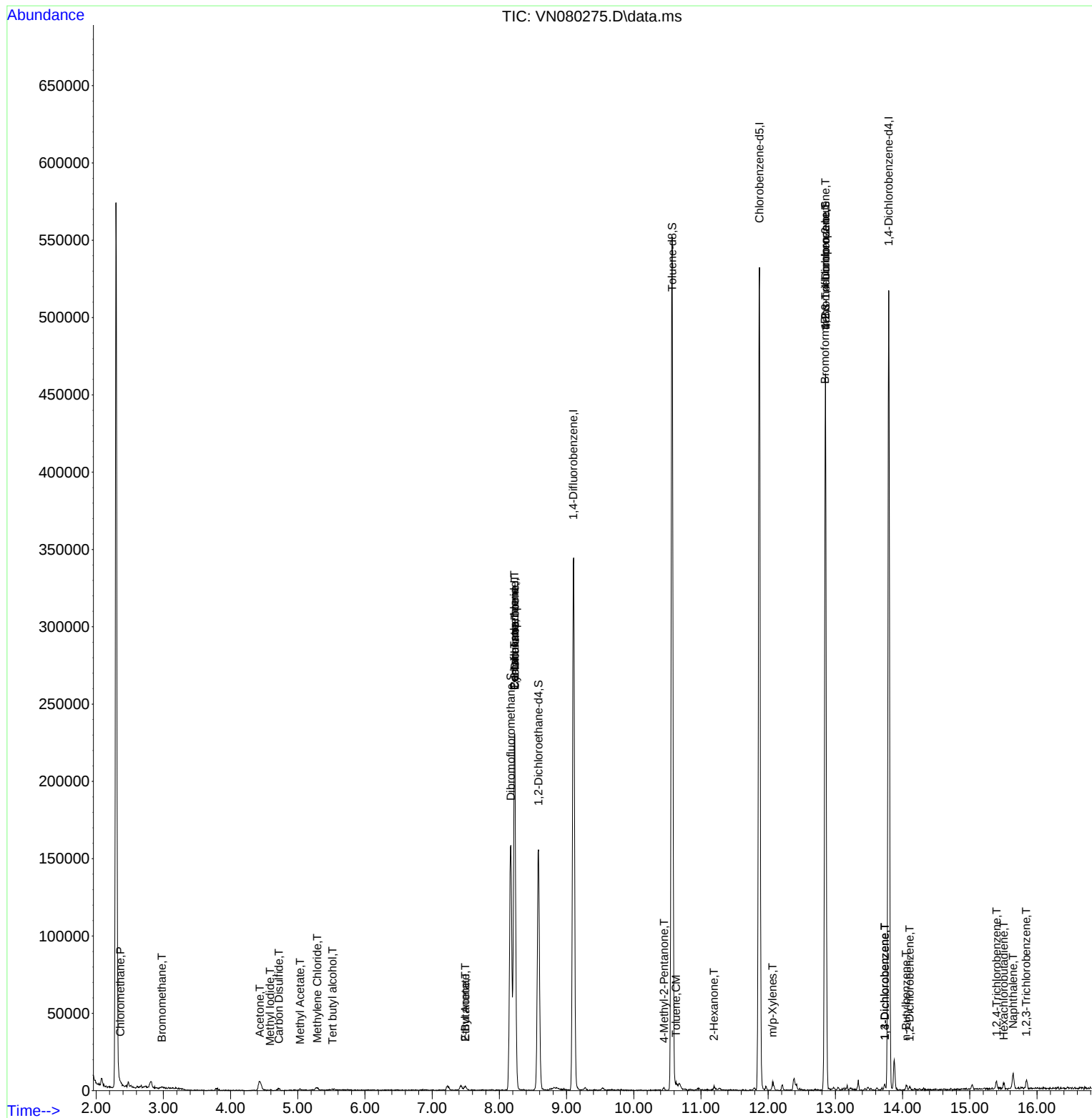
Internal Standards						
1) Pentafluorobenzene	8.224	168	161514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	293121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	308891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	138381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	143157	53.680	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.360%			
35) Dibromofluoromethane	8.171	113	113860	52.644	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.280%			
50) Toluene-d8	10.571	98	391610	50.228	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.460%			
62) 4-Bromofluorobenzene	12.853	95	156342	53.089	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.180%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	518	0.286	ug/l #	42
5) Bromomethane	2.977	94	486	0.374	ug/l	87
6) Chloroethane	3.112	64	515	Below Cal	#	43
10) Methyl Iodide	4.589	142	732	0.371	ug/l #	38
11) Tert butyl alcohol	5.518	59	860	2.932	ug/l #	72
16) Acetone	4.436	43	12742	14.225	ug/l #	85
17) Carbon Disulfide	4.718	76	1814	0.356	ug/l #	75
18) Methyl Acetate	5.036	43	855	0.297	ug/l #	55
20) Methylene Chloride	5.289	84	1576	0.840	ug/l #	80
25) 2-Butanone	7.494	43	4113	3.865	ug/l #	64
31) Cyclohexane	8.230	56	3659	1.262	ug/l #	24
36) 1,1-Dichloropropene	8.230	75	12827	4.096	ug/l #	52
37) Ethyl Acetate	7.494	43	4113	1.894	ug/l #	63
38) Carbon Tetrachloride	8.224	117	17962	4.520	ug/l #	16
51) 4-Methyl-2-Pentanone	10.453	43	1166	0.533	ug/l #	79
52) Toluene	10.629	92	1907	0.342	ug/l	81
59) 2-Hexanone	11.194	43	1424	0.810	ug/l	84
68) m/p-Xylenes	12.065	106	2186	0.481	ug/l	93
71) Bromoform	12.847	173	698	0.347	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	86260	25.441	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	86260	85.955	ug/l #	15
87) 1,3-Dichlorobenzene	13.735	146	1092	0.224	ug/l	85
88) 1,4-Dichlorobenzene	13.735	146	1092	0.222	ug/l	82
89) n-Butylbenzene	14.053	91	2254	0.317	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	1257	0.269	ug/l	77
93) 1,2,4-Trichlorobenzene	15.400	180	2156	0.793	ug/l	96
94) Hexachlorobutadiene	15.506	225	1036	0.662	ug/l	94
95) Naphthalene	15.647	128	9638	1.223	ug/l	96
96) 1,2,3-Trichlorobenzene	15.841	180	2094	0.822	ug/l	85

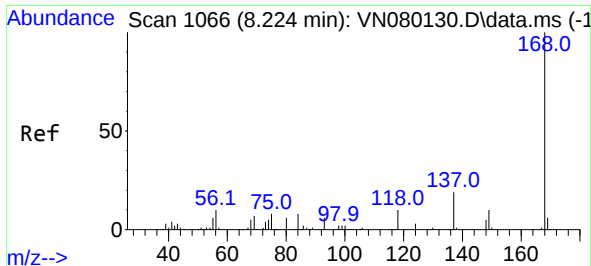
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112723\
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Instrument :
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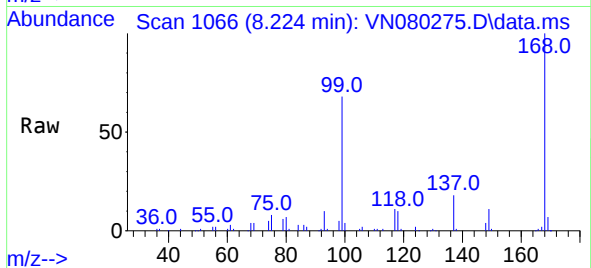
Quant Time: Nov 28 02:08:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
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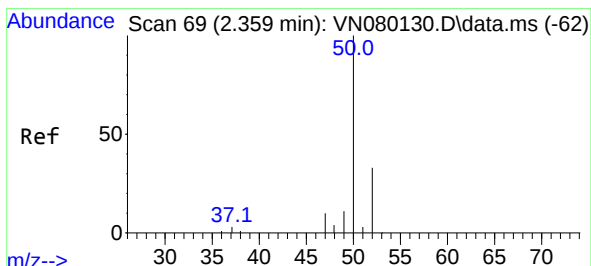
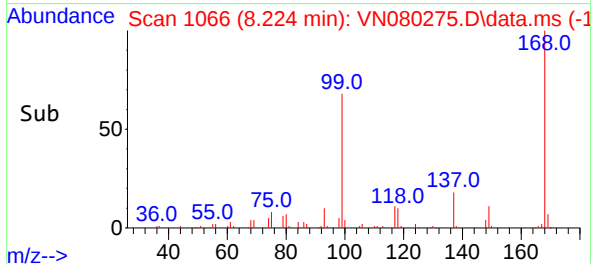
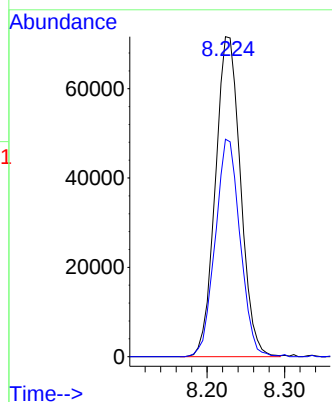


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

Instrument :
MSVOA_N
ClientSampleId :

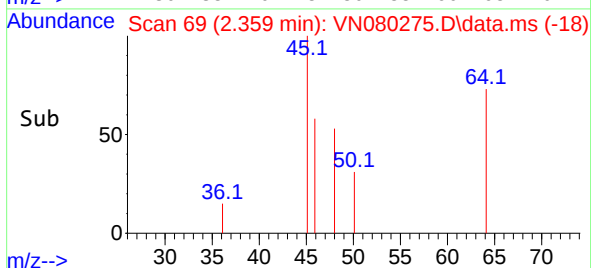
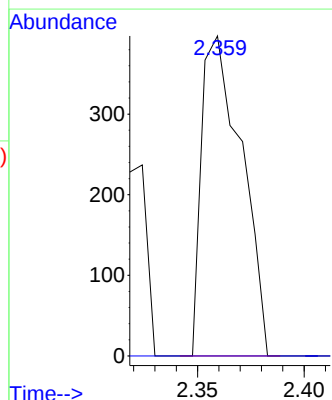
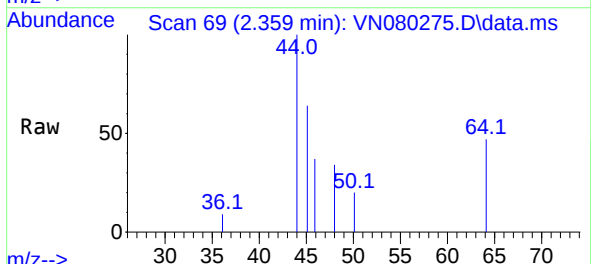


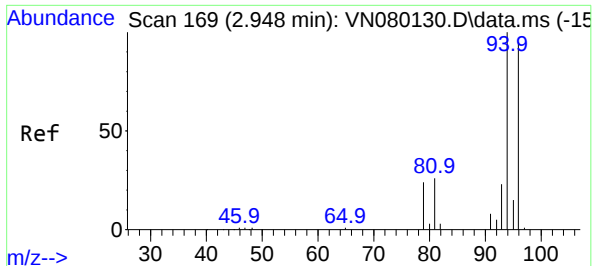
Tgt Ion:168 Resp: 161514
Ion Ratio Lower Upper
168 100
99 67.9 53.0 79.6



#3
Chloromethane
Concen: 0.286 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

Tgt Ion: 50 Resp: 518
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

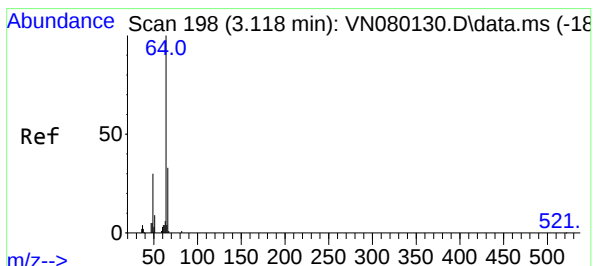
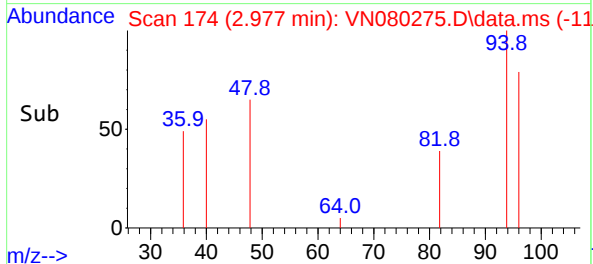
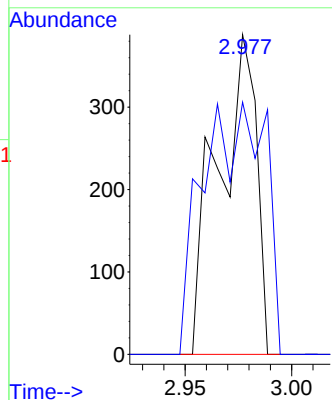
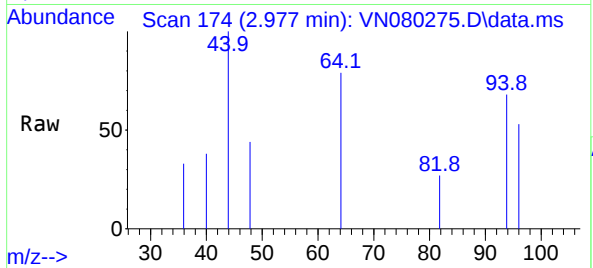




#5
Bromomethane
Concen: 0.374 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

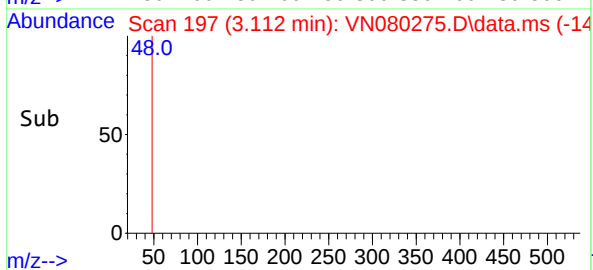
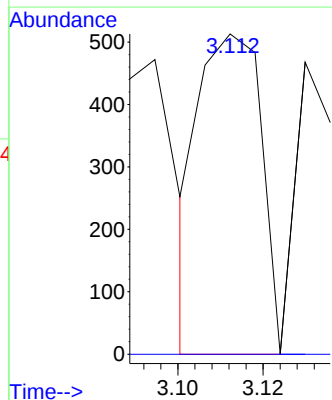
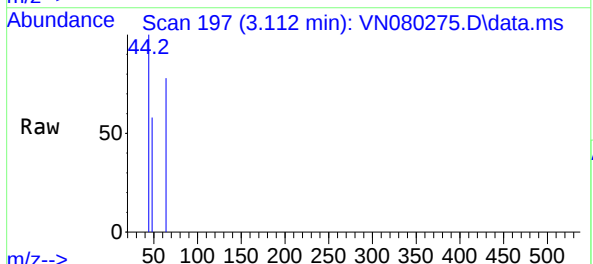
Instrument :
MSVOA_N
ClientSampleId :

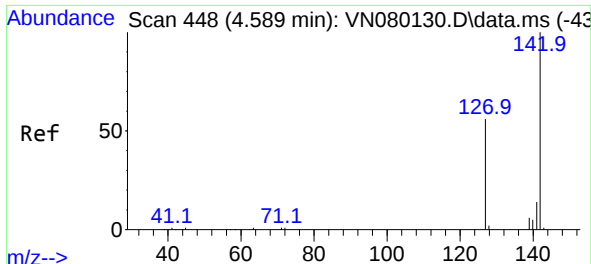
Tgt Ion: 94 Resp: 486
Ion Ratio Lower Upper
94 100
96 78.9 73.1 109.7



#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

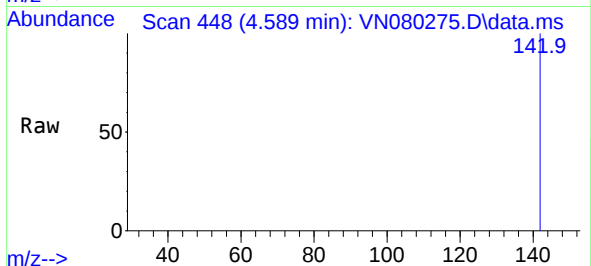
Tgt Ion: 64 Resp: 515
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



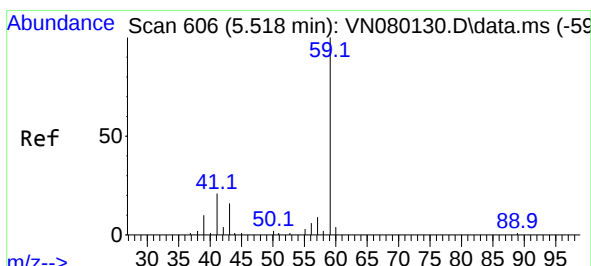
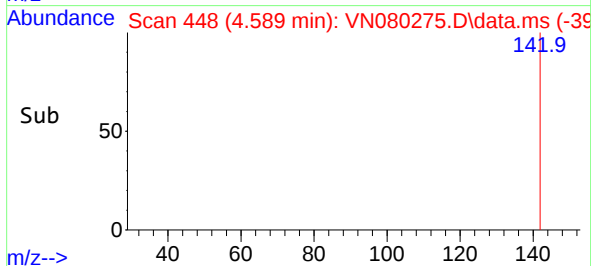
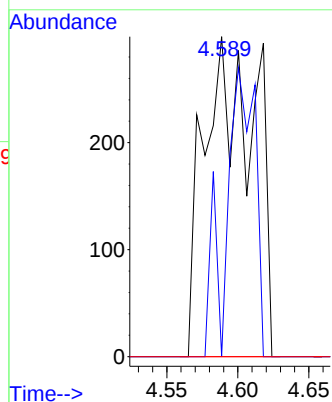


#10
Methyl Iodide
Concen: 0.371 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

Instrument :
MSVOA_N
ClientSampleId :

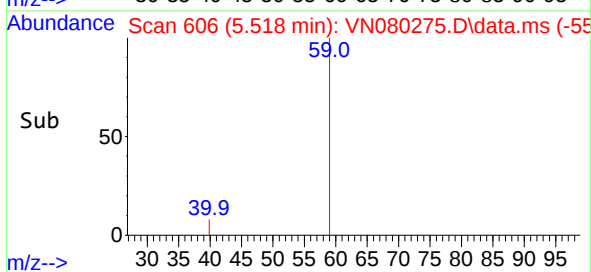
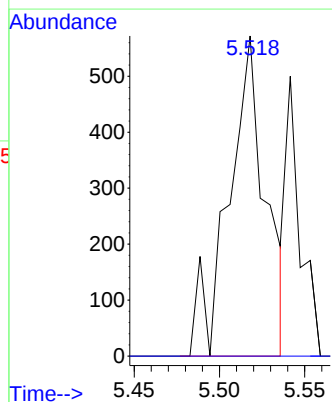
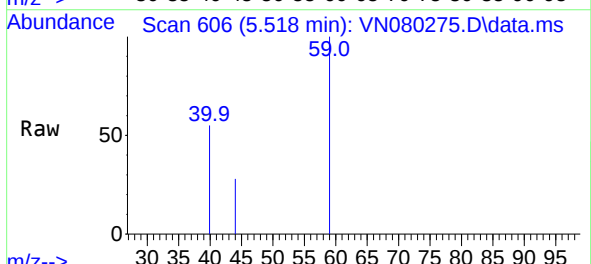


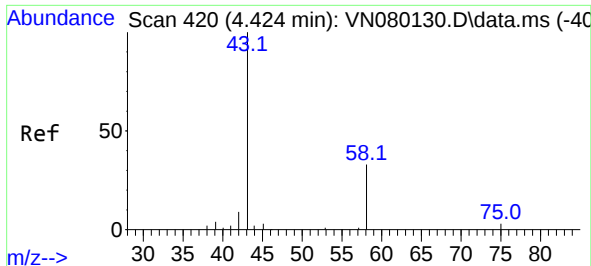
Tgt Ion:142 Resp: 732
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.932 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

Tgt Ion: 59 Resp: 860
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 14.225 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN080275.D

Acq: 27 Nov 2023 15:13

Instrument :

MSVOA_N

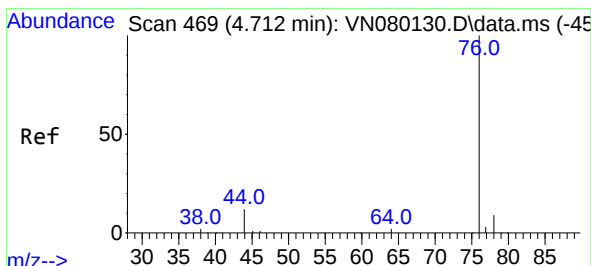
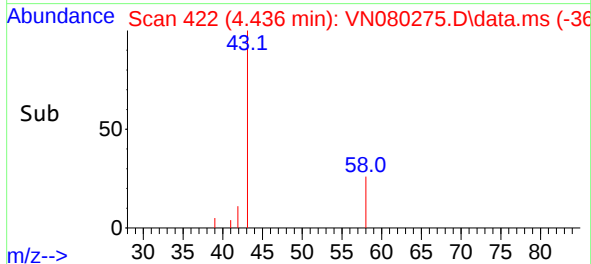
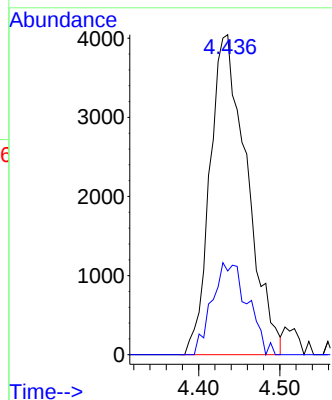
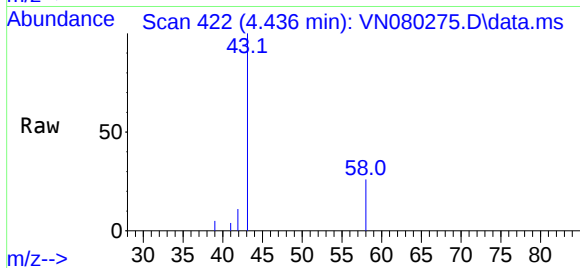
ClientSampleId :

Tgt Ion: 43 Resp: 12742

Ion Ratio Lower Upper

43 100

58 26.2 28.0 42.0#



#17

Carbon Disulfide

Concen: 0.356 ug/l

RT: 4.718 min Scan# 470

Delta R.T. 0.006 min

Lab File: VN080275.D

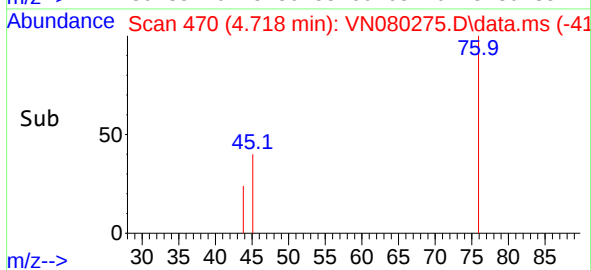
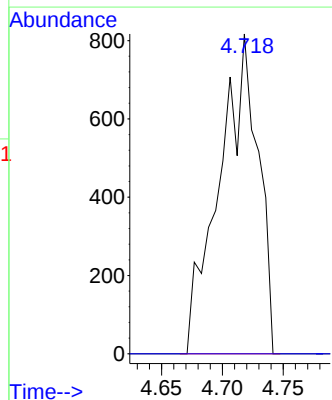
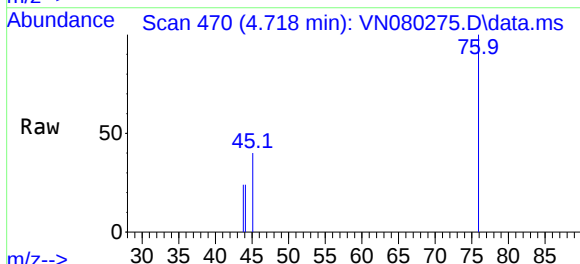
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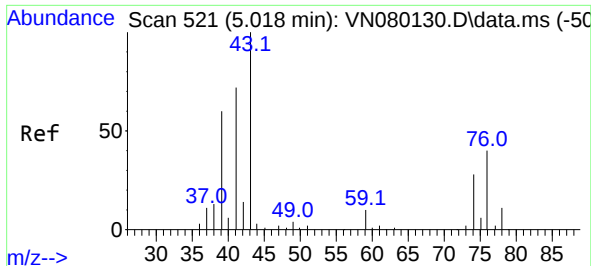
Tgt Ion: 76 Resp: 1814

Ion Ratio Lower Upper

76 100

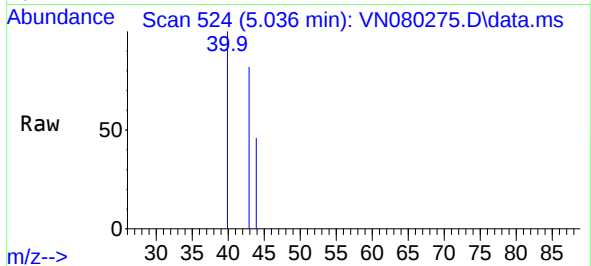
78 0.0 7.4 11.0#



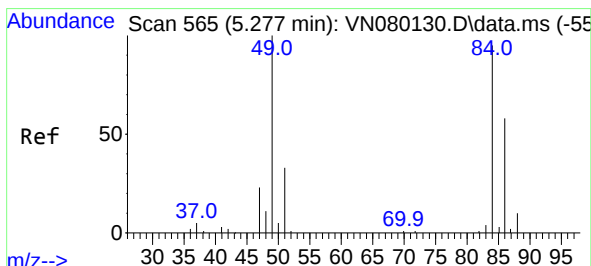
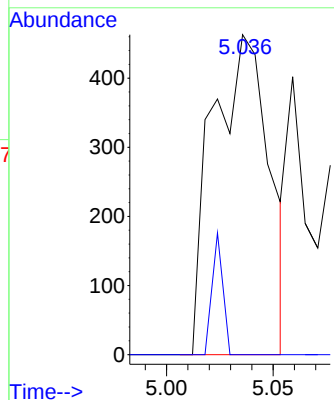
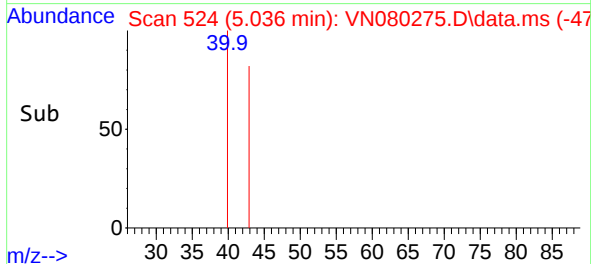


#18
Methyl Acetate
Concen: 0.297 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

Instrument :
MSVOA_N
ClientSampleId :

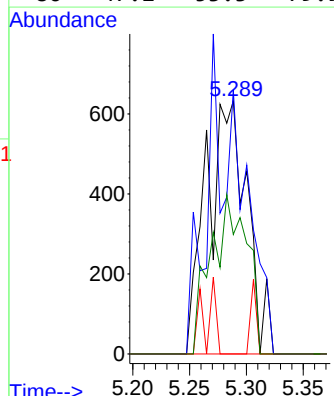
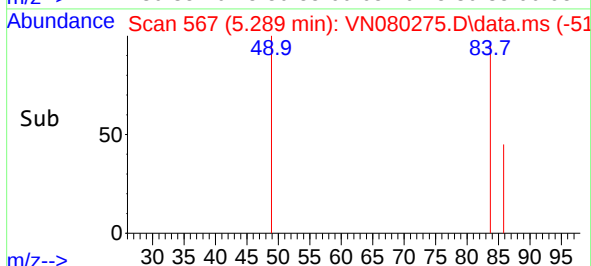
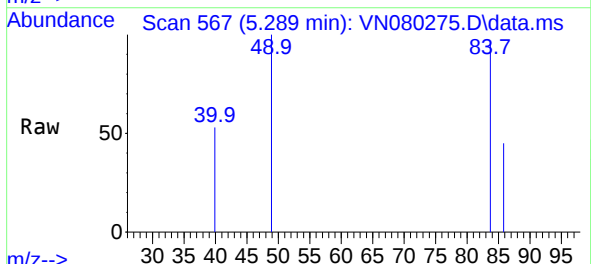


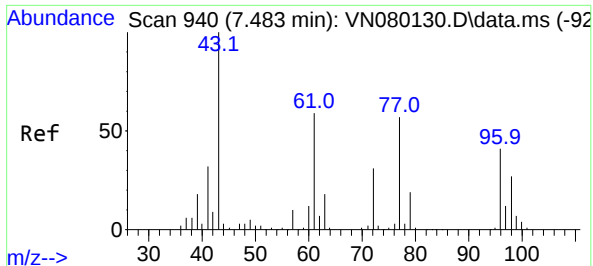
Tgt Ion: 43 Resp: 855
Ion Ratio Lower Upper
43 100
74 7.3 26.2 39.4#



#20
Methylene Chloride
Concen: 0.840 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.012 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

Tgt Ion: 84 Resp: 1576
Ion Ratio Lower Upper
84 100
49 104.3 79.7 119.5
51 0.0 25.2 37.8#
86 47.2 53.3 79.9#

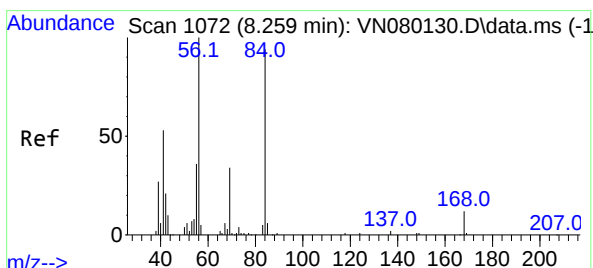
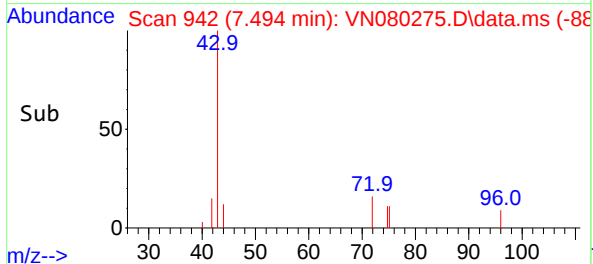
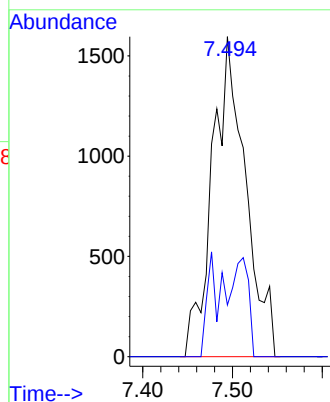
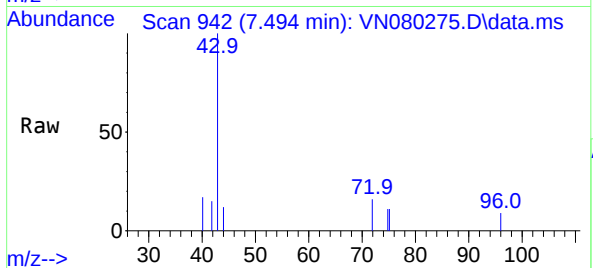




#25
2-Butanone
Concen: 3.865 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

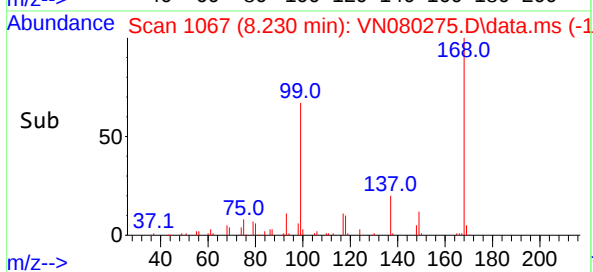
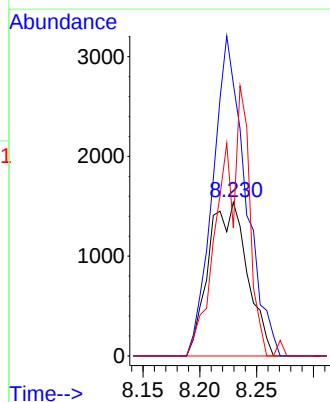
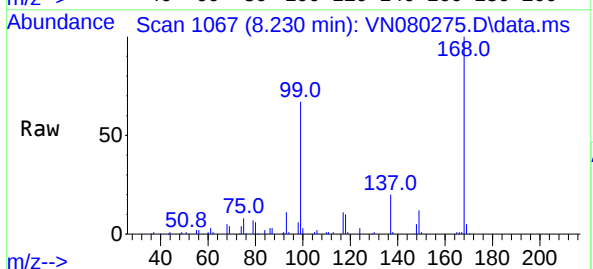
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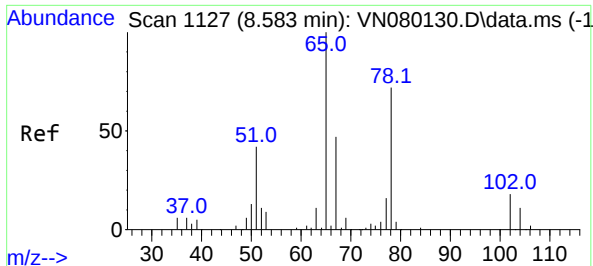
Tgt Ion: 43 Resp: 4113
Ion Ratio Lower Upper
43 100
72 16.2 30.2 45.2#



#31
Cyclohexane
Concen: 1.262 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

Tgt Ion: 56 Resp: 3659
Ion Ratio Lower Upper
56 100
69 177.2 26.8 40.2#
84 83.4 81.8 122.6

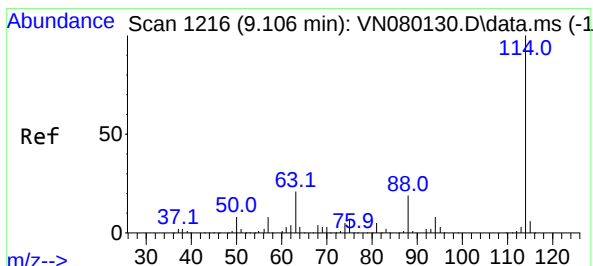
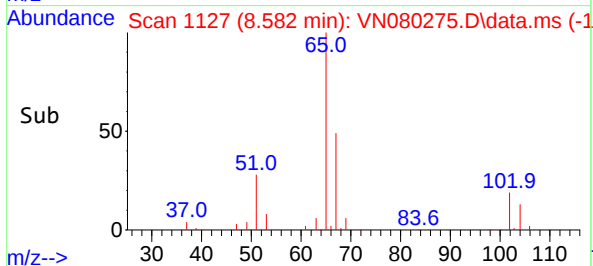
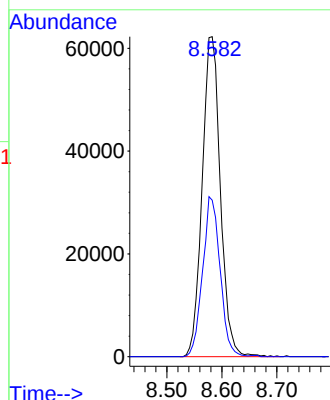
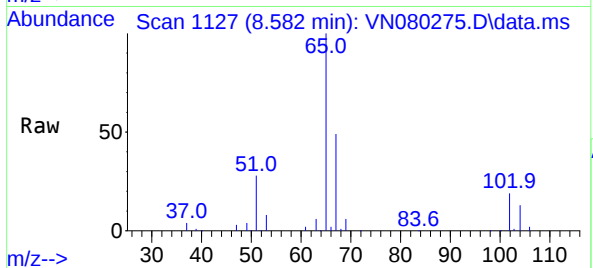




#33
1,2-Dichloroethane-d4
Concen: 53.680 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

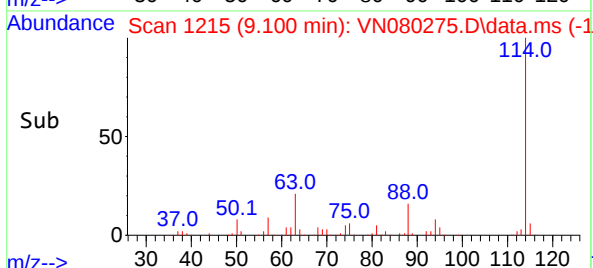
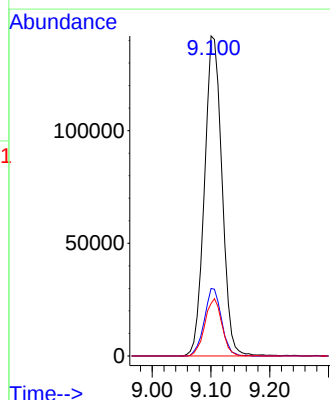
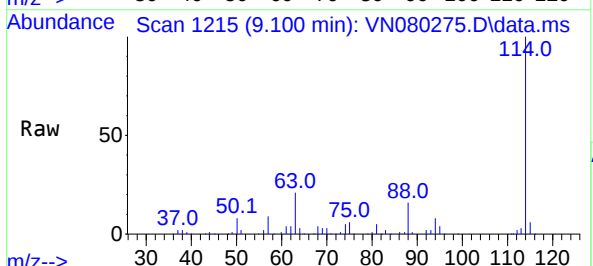
Instrument :
MSVOA_N
ClientSampleId :

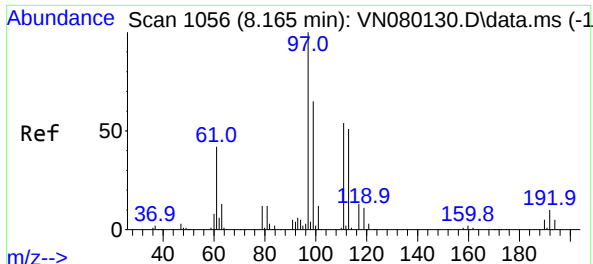
Tgt Ion: 65 Resp: 143157
Ion Ratio Lower Upper
65 100
67 47.9 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.006 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

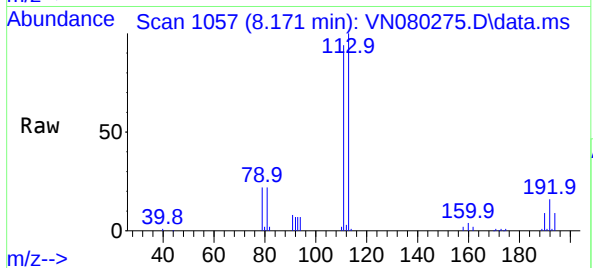
Tgt Ion:114 Resp: 293121
Ion Ratio Lower Upper
114 100
63 21.1 0.0 36.4
88 16.4 0.0 30.6



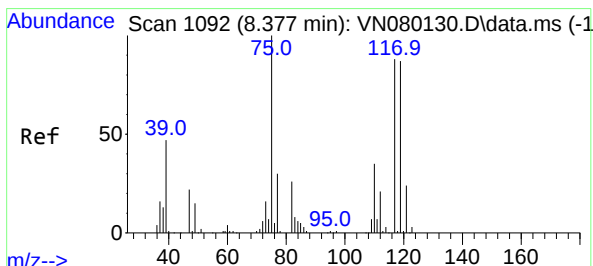
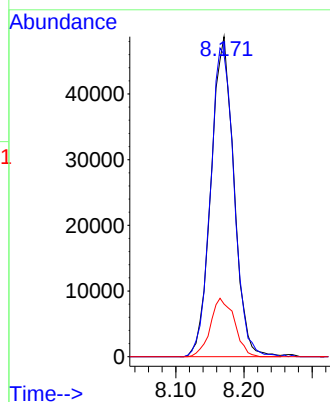
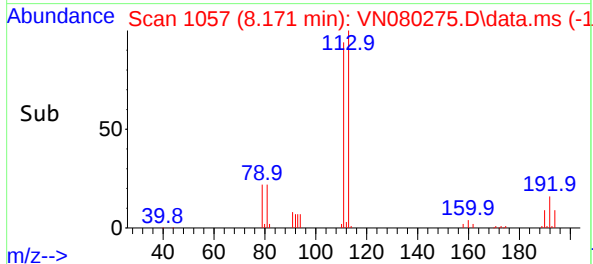


#35
Dibromofluoromethane
Concen: 52.644 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

Instrument :
MSVOA_N
ClientSampleId :

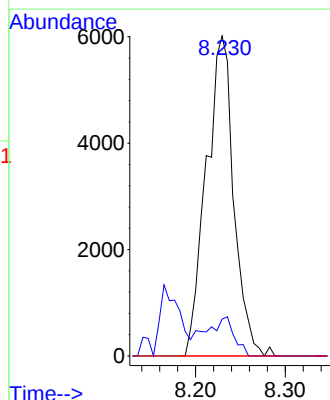
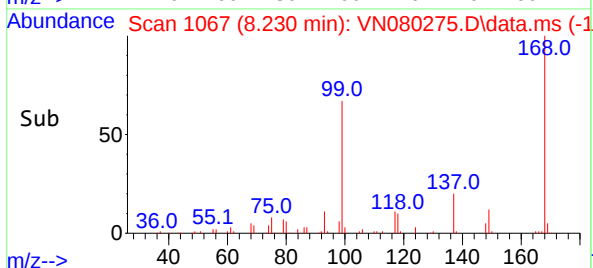
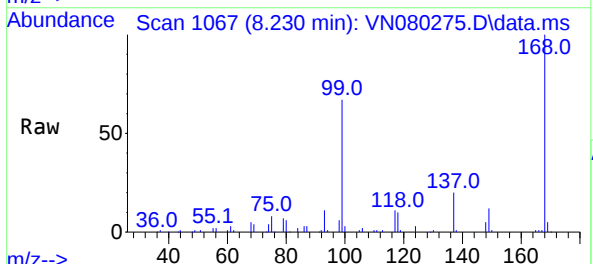


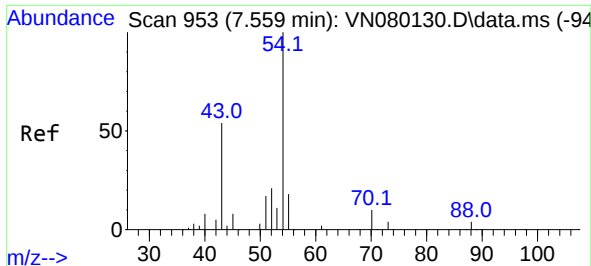
Tgt Ion:113 Resp: 113860
Ion Ratio Lower Upper
113 100
111 99.8 82.6 123.8
192 19.2 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.096 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

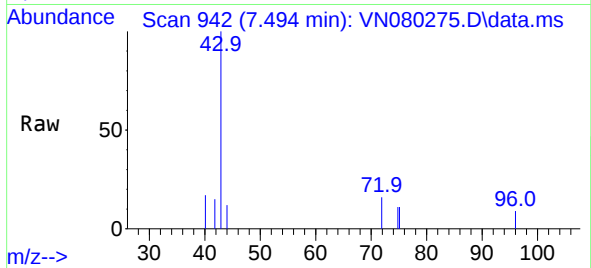
Tgt Ion: 75 Resp: 12827
Ion Ratio Lower Upper
75 100
110 12.9 19.1 57.3#
77 0.0 25.0 37.4#



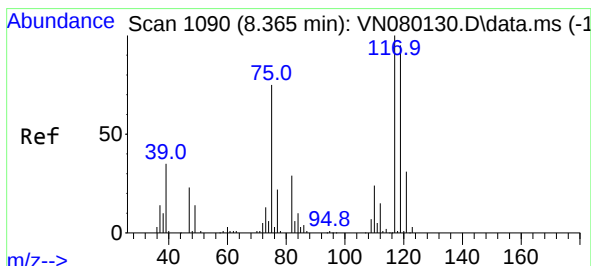
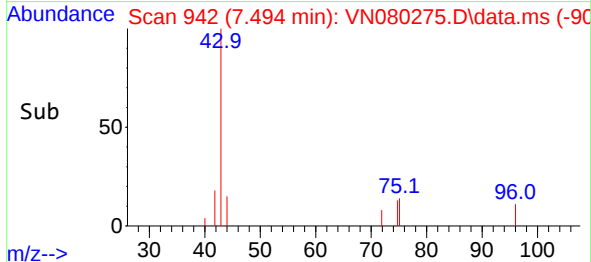
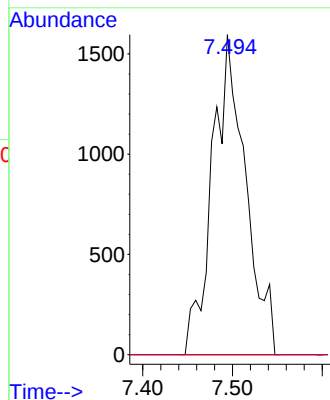


#37
Ethyl Acetate
Concen: 1.894 ug/l
RT: 7.494 min Scan# 941
Delta R.T. -0.065 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

Instrument :
MSVOA_N
ClientSampleId :

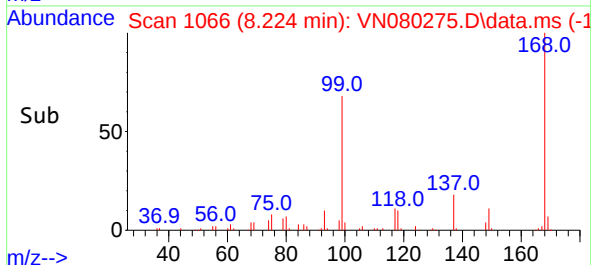
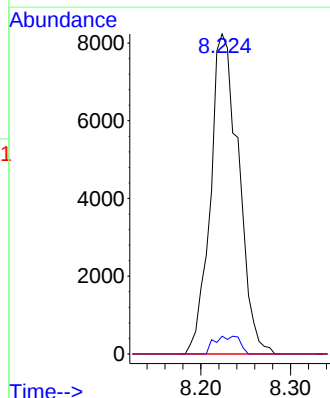
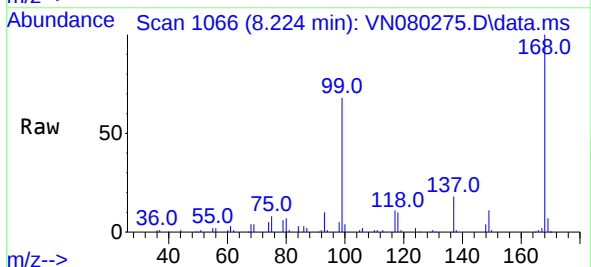


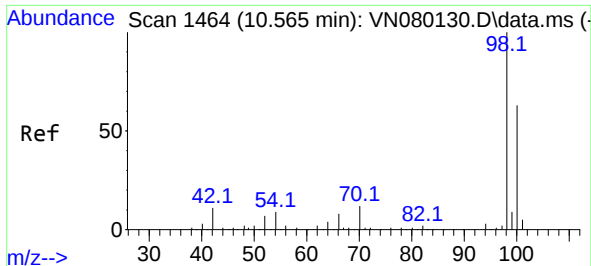
Tgt Ion: 43 Resp: 4113
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 0.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.520 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

Tgt Ion: 117 Resp: 17962
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 23.3 34.9#

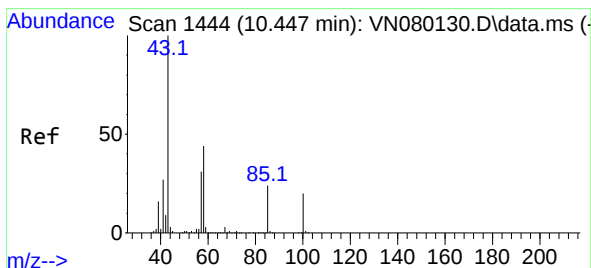
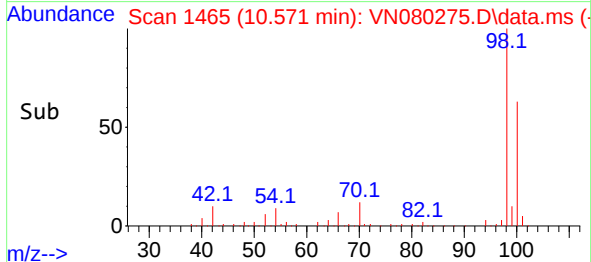
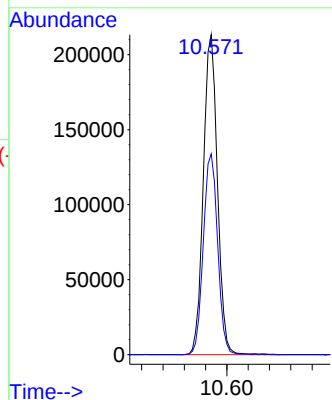
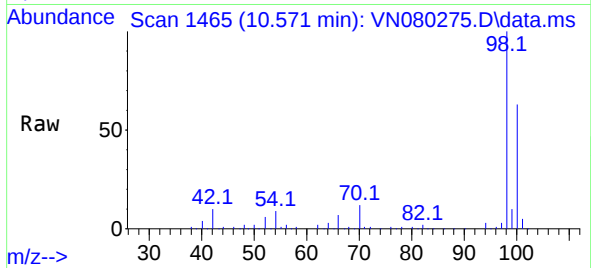




#50
Toluene-d8
Concen: 50.228 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

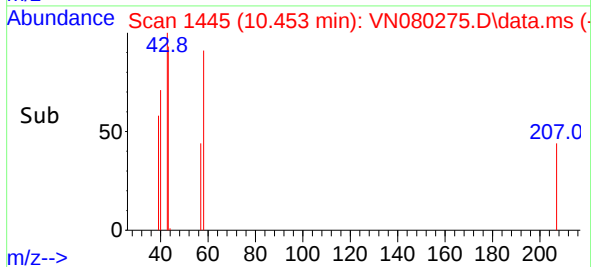
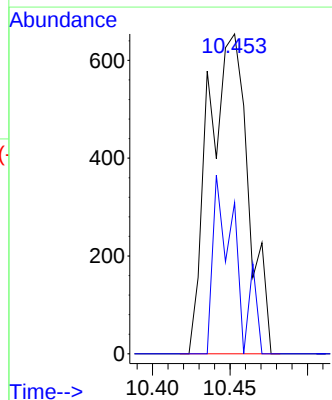
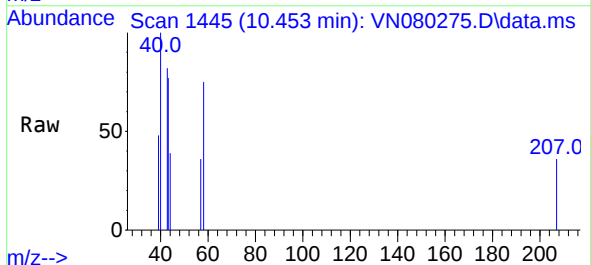
Instrument :
MSVOA_N
ClientSampleId :

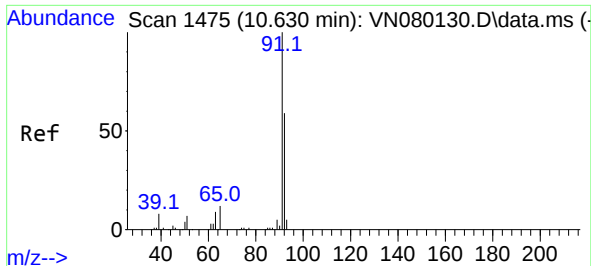
Tgt Ion: 98 Resp: 391610
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.533 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

Tgt Ion: 43 Resp: 1166
Ion Ratio Lower Upper
43 100
58 31.6 36.6 54.8#

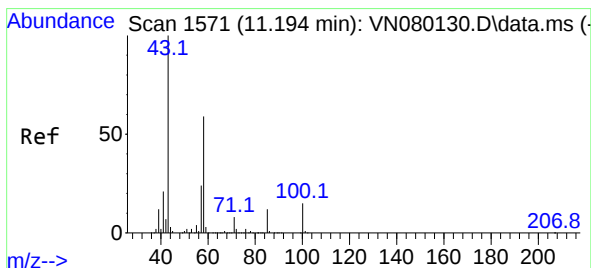
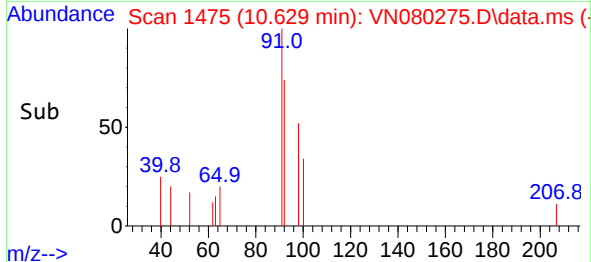
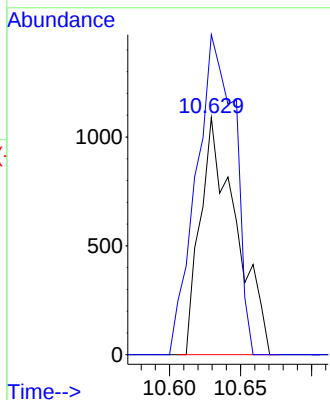
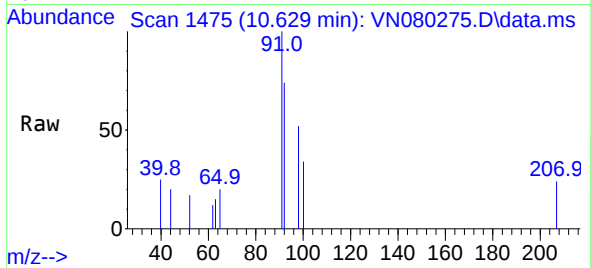




#52
Toluene
Concen: 0.342 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

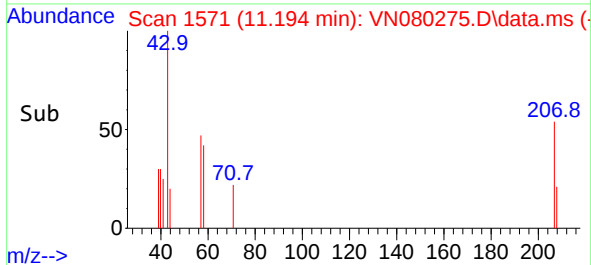
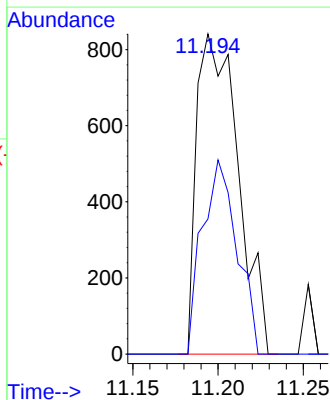
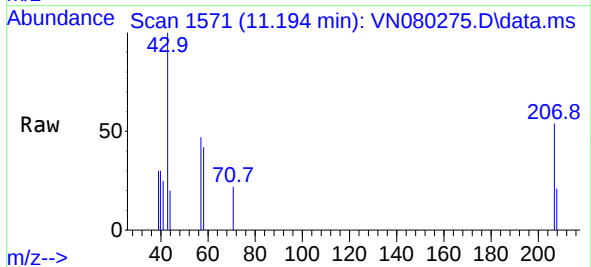
Instrument :
MSVOA_N
ClientSampleId :

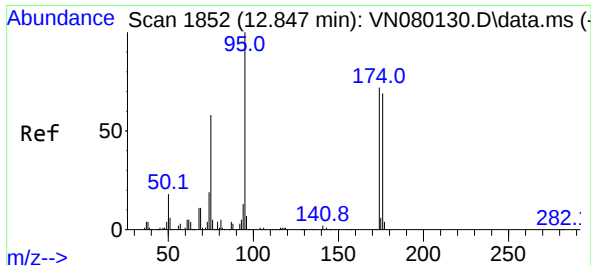
Tgt Ion: 92 Resp: 1907
Ion Ratio Lower Upper
92 100
91 145.1 137.4 206.0



#59
2-Hexanone
Concen: 0.810 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

Tgt Ion: 43 Resp: 1424
Ion Ratio Lower Upper
43 100
58 50.9 31.7 95.1

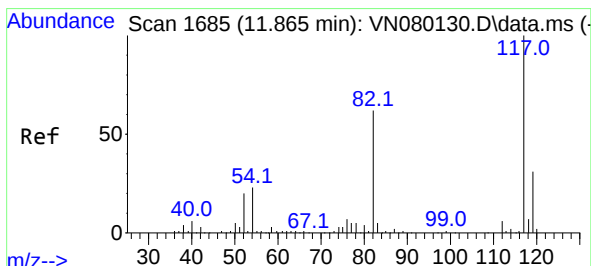
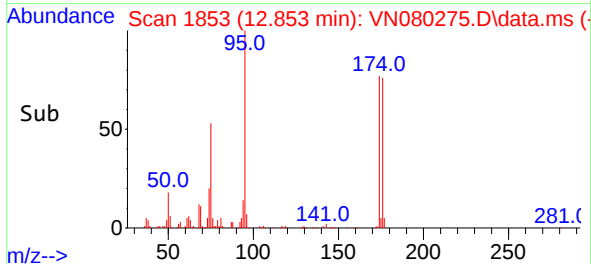
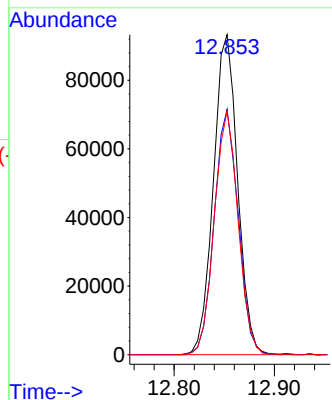
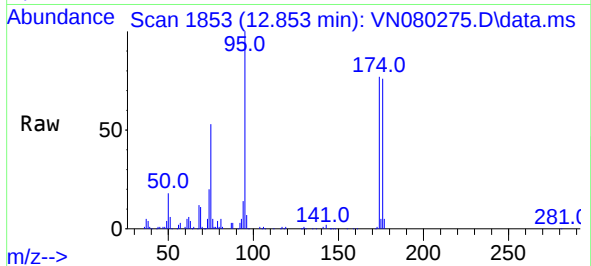




#62
4-Bromofluorobenzene
Concen: 53.089 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

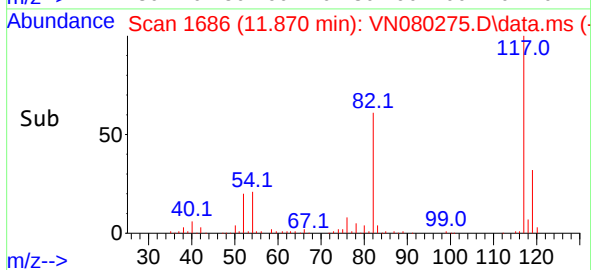
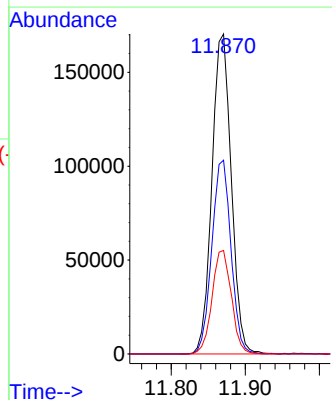
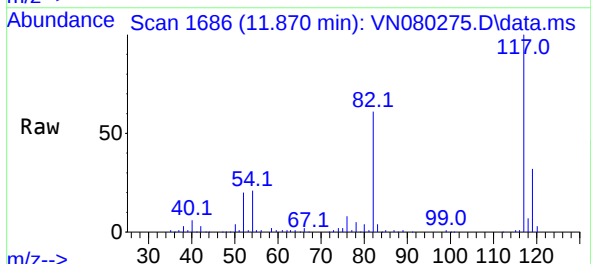
Instrument :
MSVOA_N
ClientSampleId :

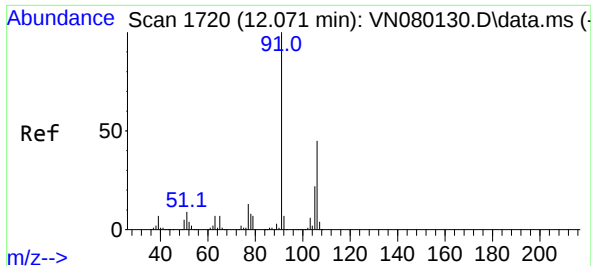
Tgt Ion: 95 Resp: 156342
Ion Ratio Lower Upper
95 100
174 76.2 0.0 143.8
176 75.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

Tgt Ion: 117 Resp: 308891
Ion Ratio Lower Upper
117 100
82 60.5 44.0 66.0
119 32.4 25.6 38.4

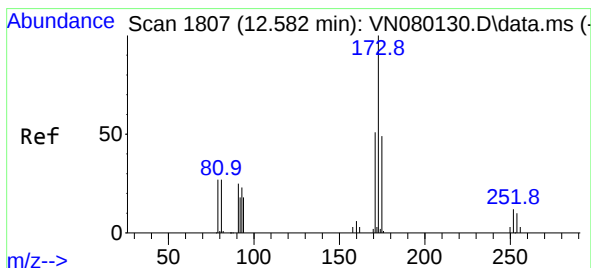
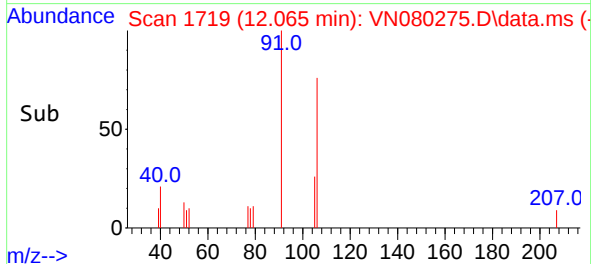
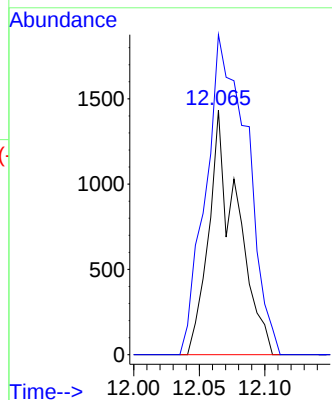
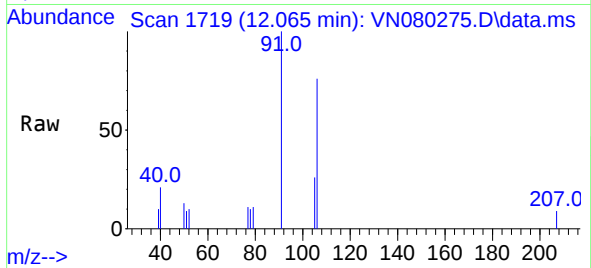




#68
m/p-Xylenes
Concen: 0.481 ug/l
RT: 12.065 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

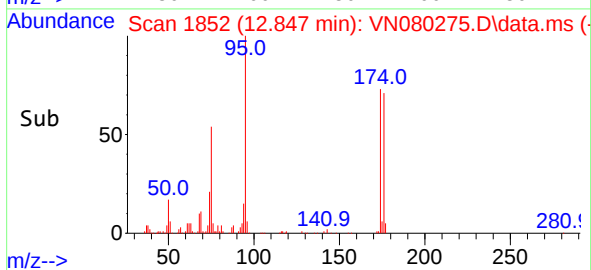
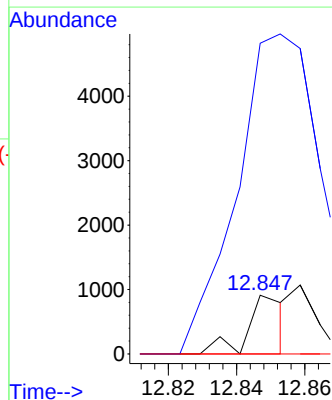
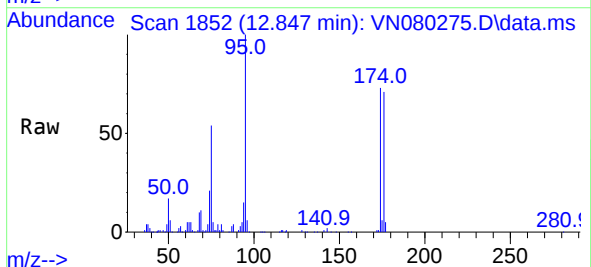
Instrument :
MSVOA_N
ClientSampleId :

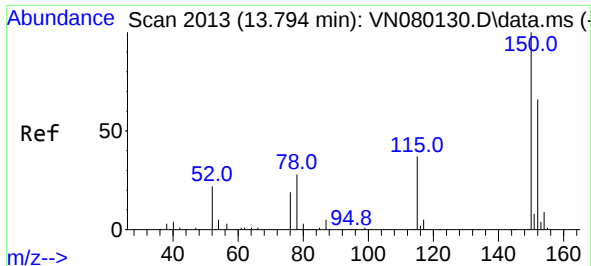
Tgt Ion:106 Resp: 2186
Ion Ratio Lower Upper
106 100
91 188.4 159.6 239.4



#71
Bromoform
Concen: 0.347 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

Tgt Ion:173 Resp: 698
Ion Ratio Lower Upper
173 100
175 984.7 24.3 73.0#
254 0.0 0.0 0.0

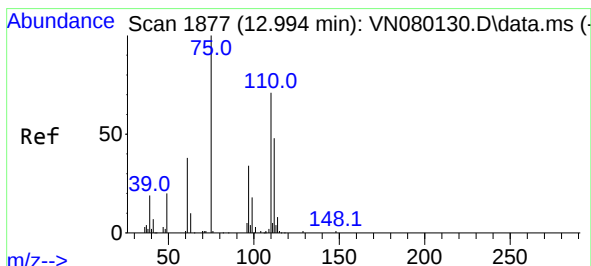
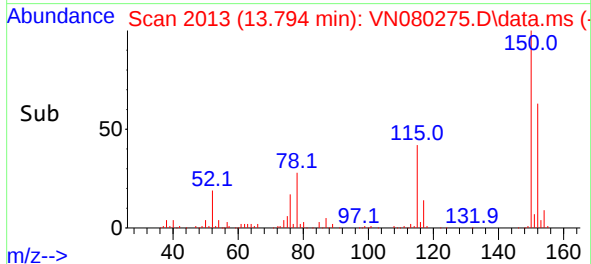
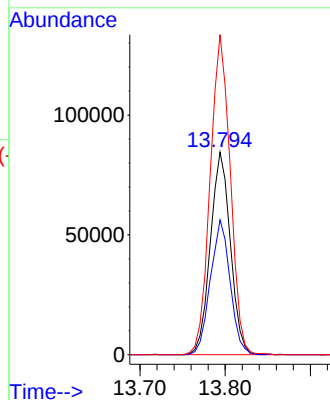
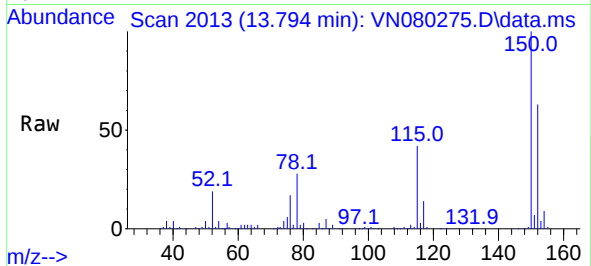




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

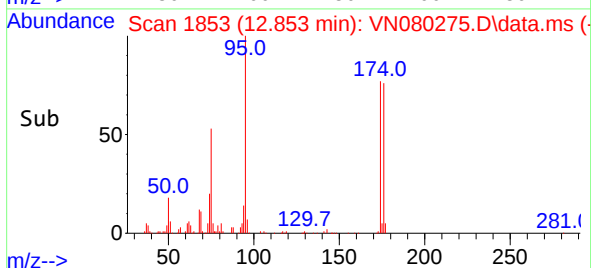
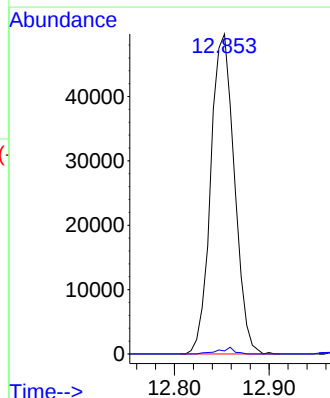
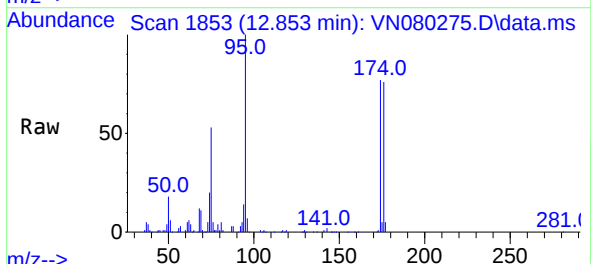
Instrument :
MSVOA_N
ClientSampleId :

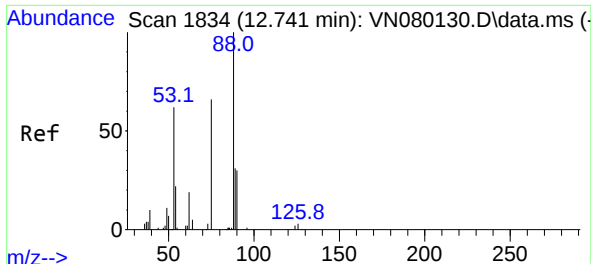
Tgt Ion:152 Resp: 138381
Ion Ratio Lower Upper
152 100
115 65.5 32.3 96.8
150 158.6 0.0 355.8



#76
1,2,3-Trichloropropane
Concen: 25.441 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

Tgt Ion: 75 Resp: 86260
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#

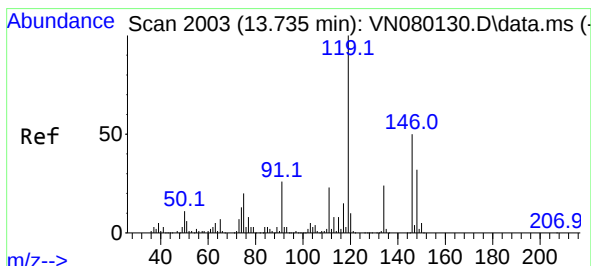
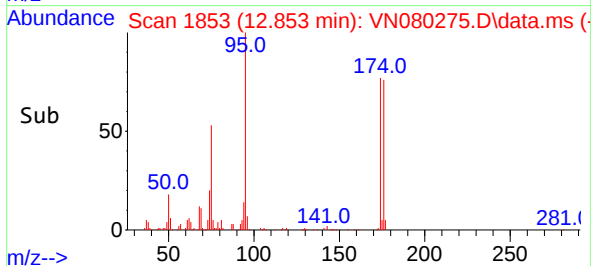
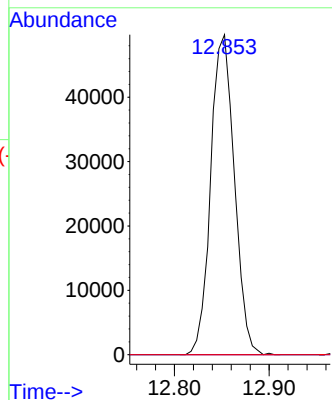
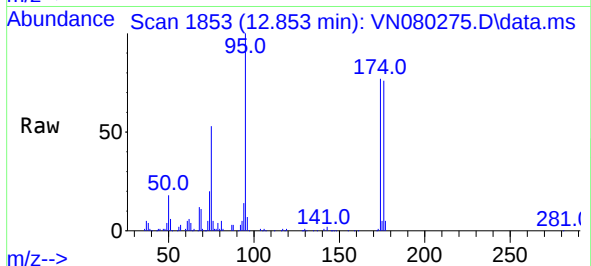




#81
trans-1,4-Dichloro-2-butene
Concen: 85.955 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

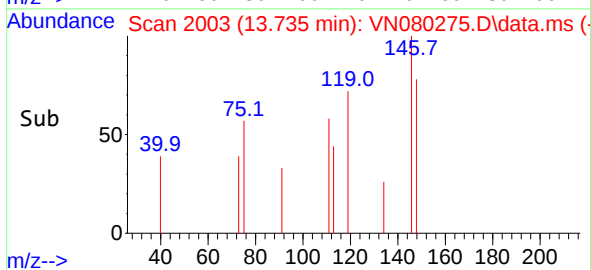
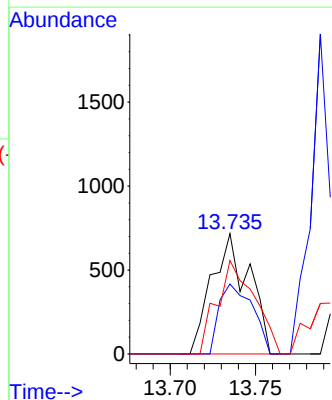
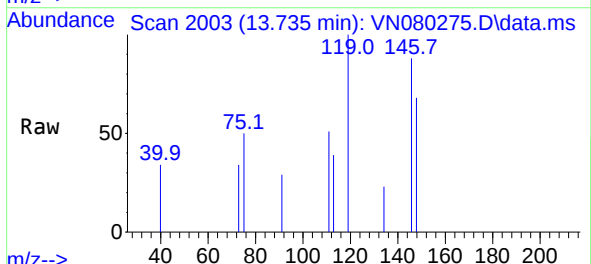
Instrument :
MSVOA_N
ClientSampleId :

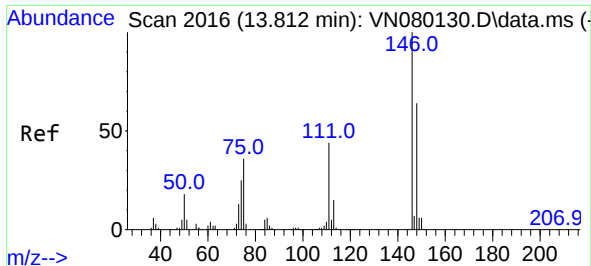
Tgt Ion: 75 Resp: 86260
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#87
1,3-Dichlorobenzene
Concen: 0.224 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

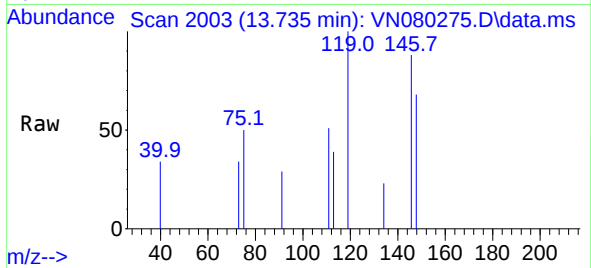
Tgt Ion:146 Resp: 1092
Ion Ratio Lower Upper
146 100
111 51.7 22.1 66.3
148 77.9 32.0 96.0



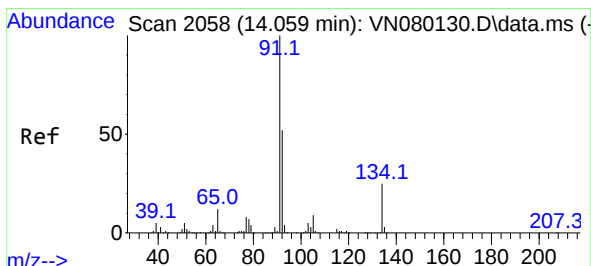
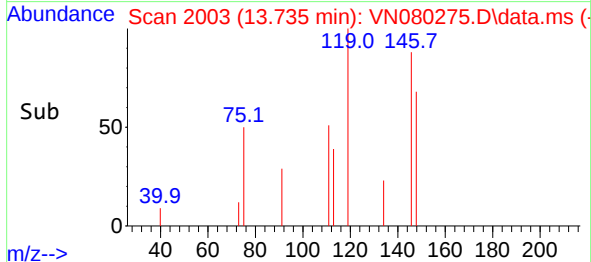
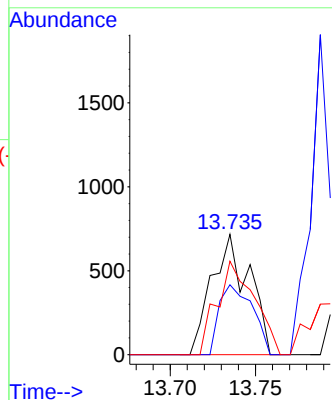


#88
1,4-Dichlorobenzene
Concen: 0.222 ug/l
RT: 13.735 min Scan# 2016
Delta R.T. -0.077 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

Instrument :
MSVOA_N
ClientSampleId :

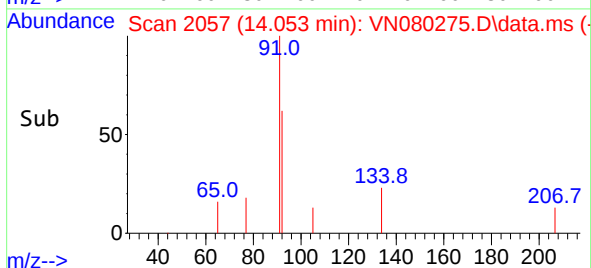
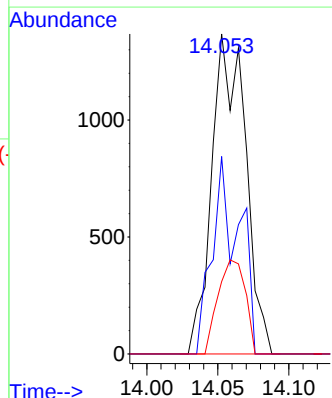
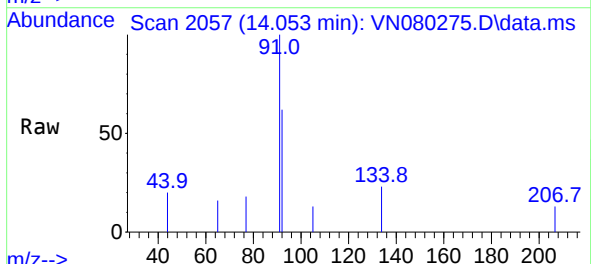


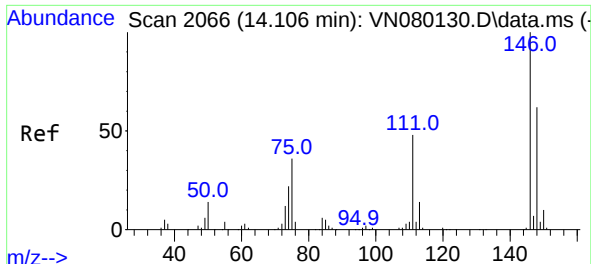
Tgt Ion:146 Resp: 1092
Ion Ratio Lower Upper
146 100
111 51.7 20.6 61.8
148 77.9 31.6 94.8



#89
n-Butylbenzene
Concen: 0.317 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

Tgt Ion: 91 Resp: 2254
Ion Ratio Lower Upper
91 100
92 49.5 26.4 79.0
134 23.8 12.6 37.6





#91

1,2-Dichlorobenzene

Concen: 0.269 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN080275.D

Acq: 27 Nov 2023 15:13

Instrument :

MSVOA_N

ClientSampleId :

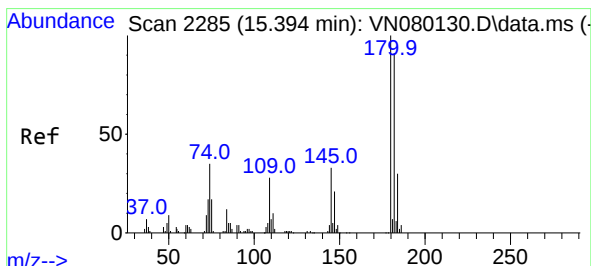
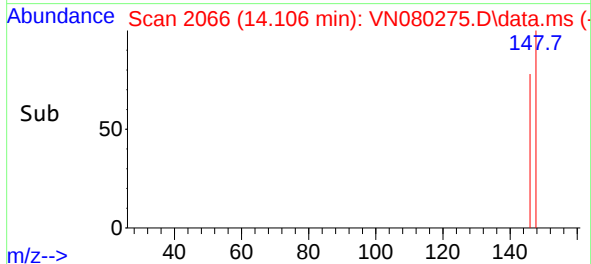
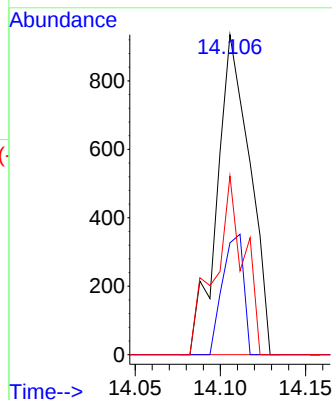
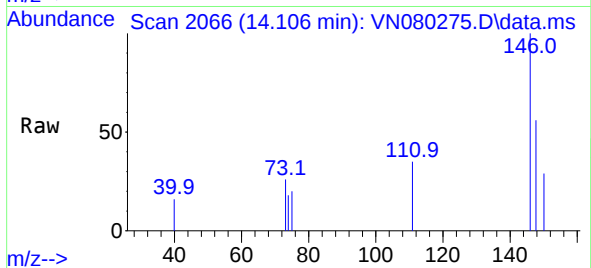
Tgt Ion:146 Resp: 1257

Ion Ratio Lower Upper

146 100

111 24.1 22.0 66.0

148 50.0 31.8 95.3



#93

1,2,4-Trichlorobenzene

Concen: 0.793 ug/l

RT: 15.400 min Scan# 2286

Delta R.T. 0.006 min

Lab File: VN080275.D

Acq: 27 Nov 2023 15:13

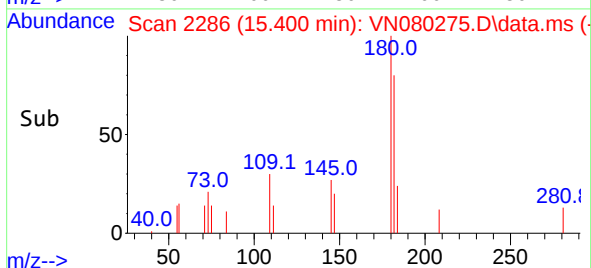
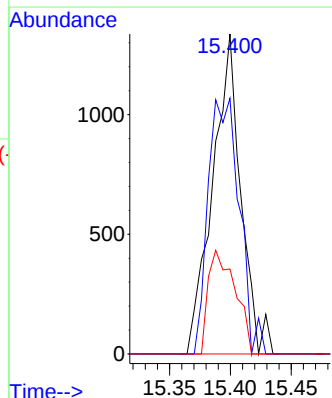
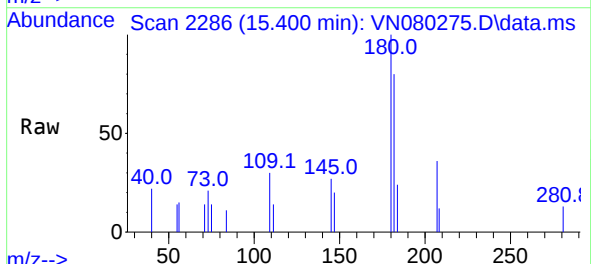
Tgt Ion:180 Resp: 2156

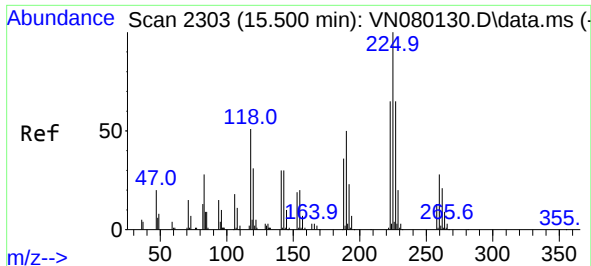
Ion Ratio Lower Upper

180 100

182 88.1 46.1 138.2

145 31.0 16.6 49.8

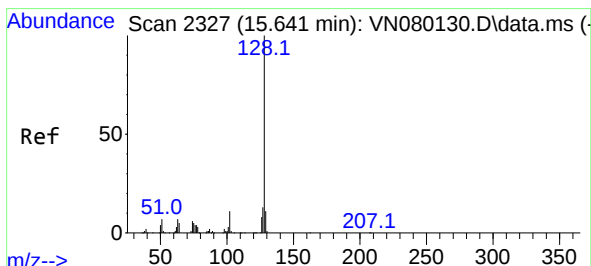
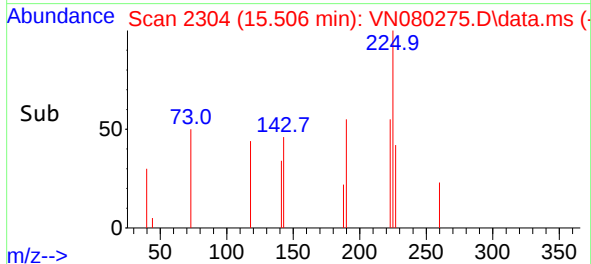
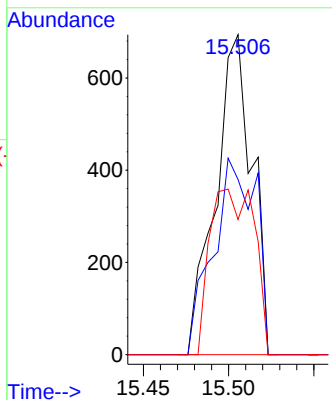
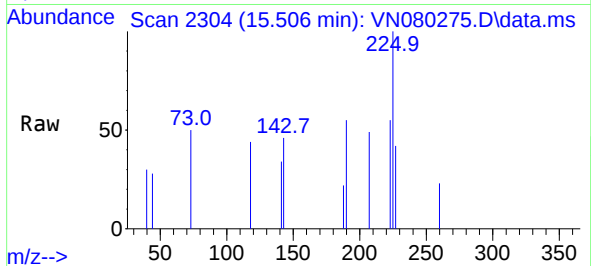




#94
Hexachlorobutadiene
Concen: 0.662 ug/l
RT: 15.506 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

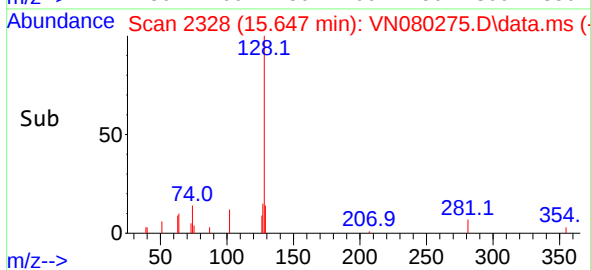
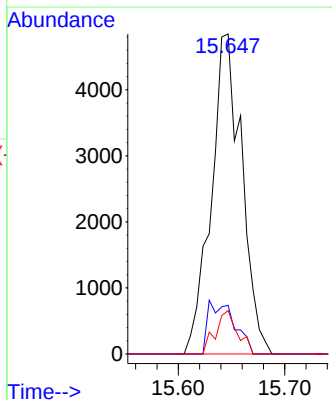
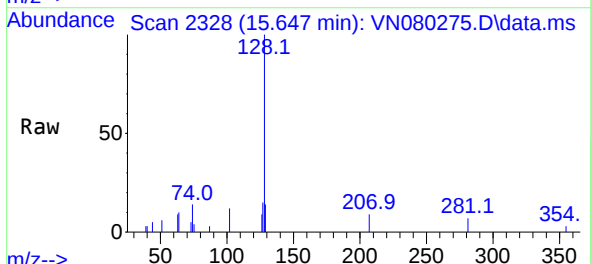
Instrument :
MSVOA_N
ClientSampleId :

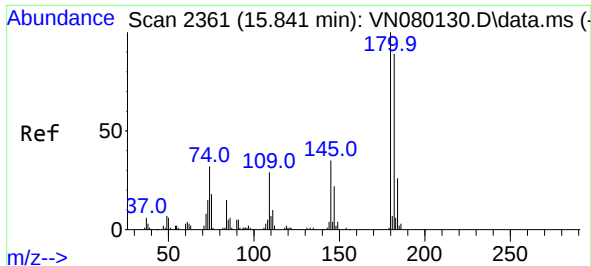
Tgt Ion:	225	Resp:	1036
Ion	Ratio	Lower	Upper
225	100		
223	71.5	31.3	93.8
227	62.9	31.9	95.9



#95
Naphthalene
Concen: 1.223 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080275.D
Acq: 27 Nov 2023 15:13

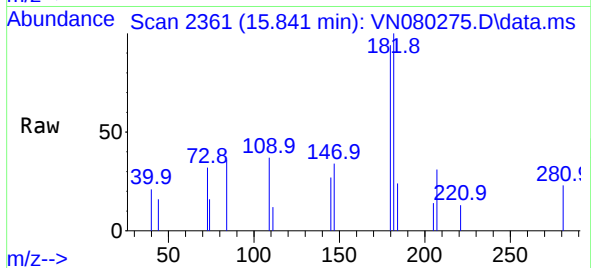
Tgt Ion:	128	Resp:	9638
Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.0	15.0
129	9.7	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.822 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN080275.D
 Acq: 27 Nov 2023 15:13

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2094
Ion	Ratio	Lower	Upper
180	100		
182	108.9	46.2	138.6
145	29.0	17.5	52.6

