

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112723\
 Data File : VN080283.D
 Acq On : 27 Nov 2023 18:23
 Operator : JC\MD
 Sample : 05546-02 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 28 02:10:40 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

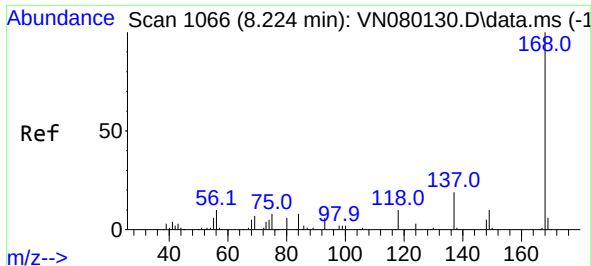
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	157464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	285327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	136708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	144169	55.450	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.900%			
35) Dibromofluoromethane	8.171	113	113051	53.697	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.400%			
50) Toluene-d8	10.571	98	379107	49.953	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.900%			
62) 4-Bromofluorobenzene	12.853	95	152167	53.083	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.160%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	570	0.323	ug/l #	42
6) Chloroethane	3.112	64	300	Below Cal	#	43
10) Methyl Iodide	4.595	142	442	0.230	ug/l #	38
11) Tert butyl alcohol	5.524	59	60	0.210	ug/l #	72
16) Acetone	4.436	43	2528	2.895	ug/l #	84
17) Carbon Disulfide	4.706	76	1281	0.258	ug/l #	75
18) Methyl Acetate	5.024	43	902	0.321	ug/l #	42
20) Methylene Chloride	5.277	84	1790	0.979	ug/l #	83
25) 2-Butanone	7.518	43	511	0.493	ug/l #	37
31) Cyclohexane	8.218	56	3449	1.220	ug/l #	14
36) 1,1-Dichloropropene	8.224	75	12335	4.047	ug/l #	52
37) Ethyl Acetate	7.518	43	511	0.242	ug/l #	63
38) Carbon Tetrachloride	8.224	117	18397	4.756	ug/l #	14
40) Benzene	8.612	78	2612	0.302	ug/l #	86
43) Isopropyl Acetate	8.788	43	988	0.240	ug/l #	49
51) 4-Methyl-2-Pentanone	10.459	43	607	0.285	ug/l #	31
52) Toluene	10.630	92	2272	0.419	ug/l	91
59) 2-Hexanone	11.194	43	972	0.568	ug/l	84
68) m/p-Xylenes	12.071	106	2161	0.479	ug/l	92
69) o-Xylene	12.394	106	1042	0.245	ug/l	72
71) Bromoform	12.853	173	960	0.480	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	85706	25.587	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	85706	86.448	ug/l #	15
89) n-Butylbenzene	14.065	91	1844	0.263	ug/l	80
91) 1,2-Dichlorobenzene	14.106	146	966	0.209	ug/l	76
92) 1,2-Dibromo-3-Chloropr...	14.723	75	160	0.217	ug/l #	4
93) 1,2,4-Trichlorobenzene	15.388	180	1449	0.540	ug/l	83
94) Hexachlorobutadiene	15.500	225	828	0.536	ug/l	91
95) Naphthalene	15.647	128	8077	1.037	ug/l	96
96) 1,2,3-Trichlorobenzene	15.847	180	1604	0.637	ug/l	73

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

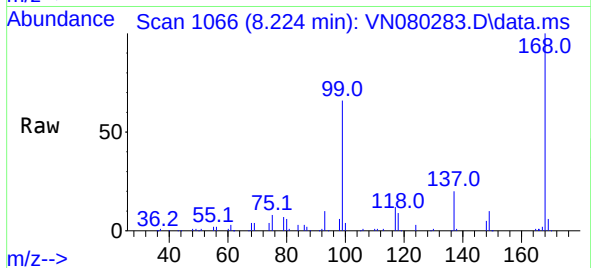
Quant Time: Nov 28 02:10:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration



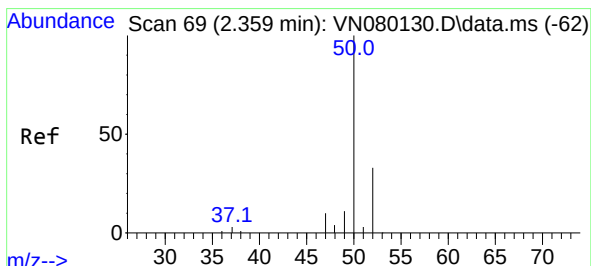
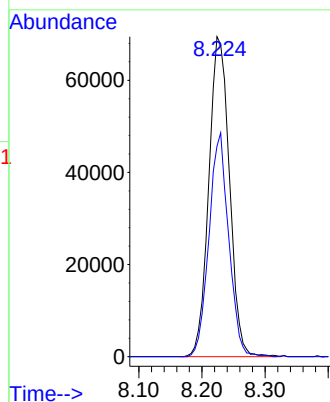
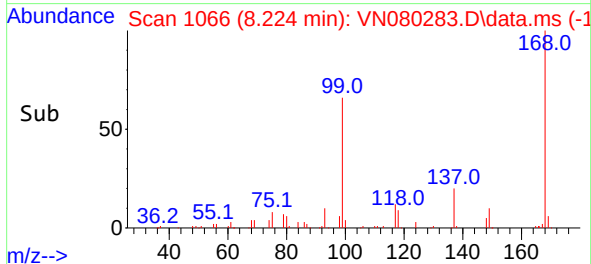


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

Instrument :
MSVOA_N
ClientSampleId :

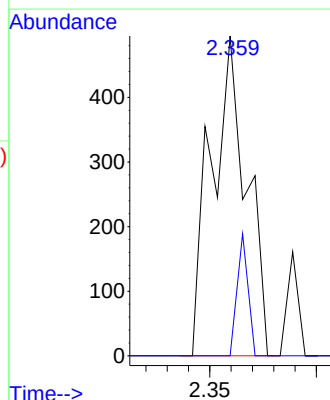
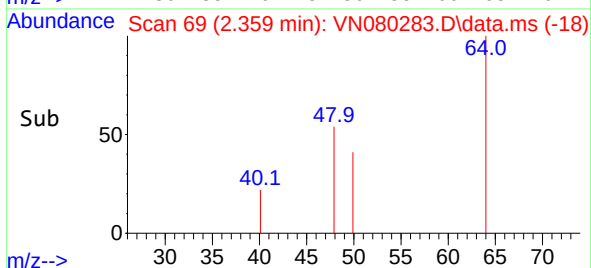
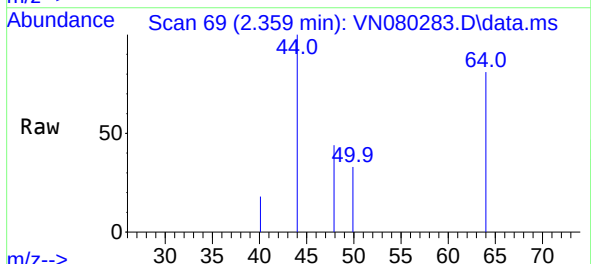


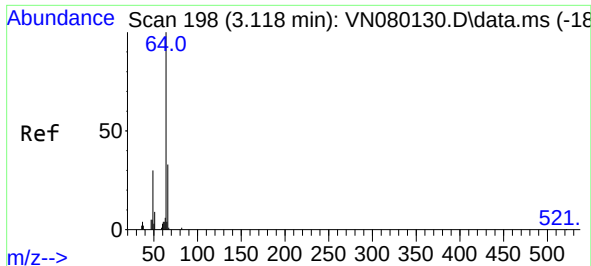
Tgt Ion:168 Resp: 157464
Ion Ratio Lower Upper
168 100
99 65.8 53.0 79.6



#3
Chloromethane
Concen: 0.323 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

Tgt Ion: 50 Resp: 570
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

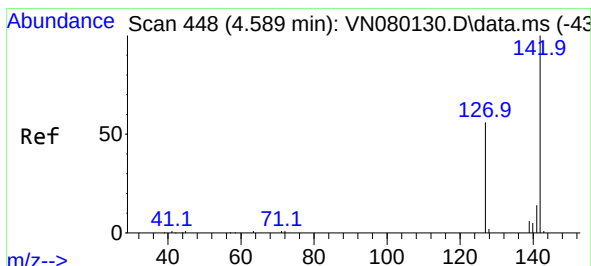
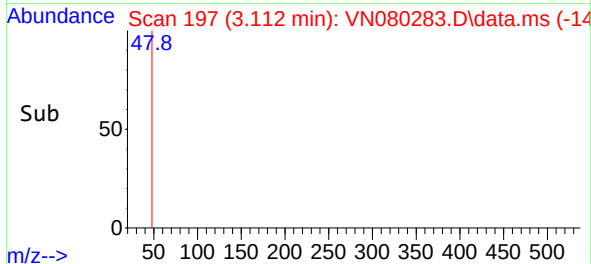
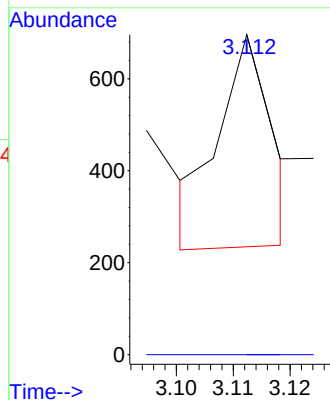
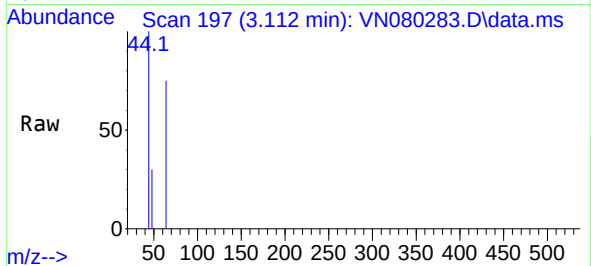




#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

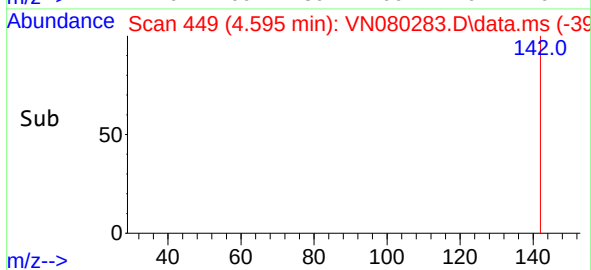
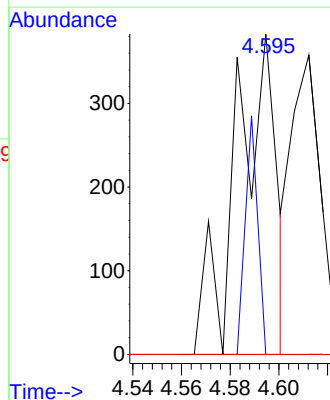
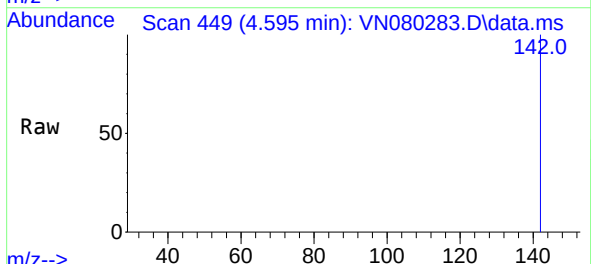
Instrument :
MSVOA_N
ClientSampleId :

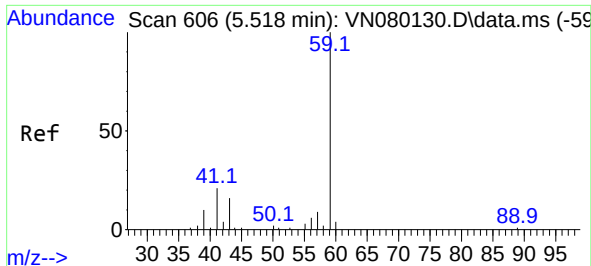
Tgt Ion: 64 Resp: 300
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#10
Methyl Iodide
Concen: 0.230 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

Tgt Ion:142 Resp: 442
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: 0.210 ug/l

RT: 5.524 min Scan# 60

Delta R.T. 0.006 min

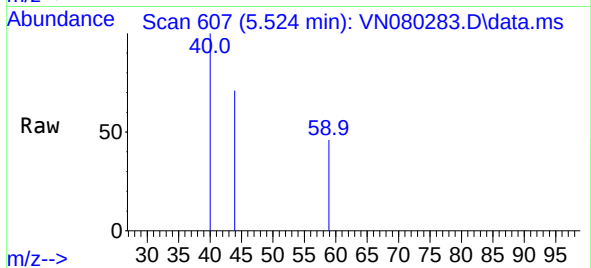
Lab File: VN080283.D

Acq: 27 Nov 2023 18:23

Instrument :

MSVOA_N

ClientSampleId :

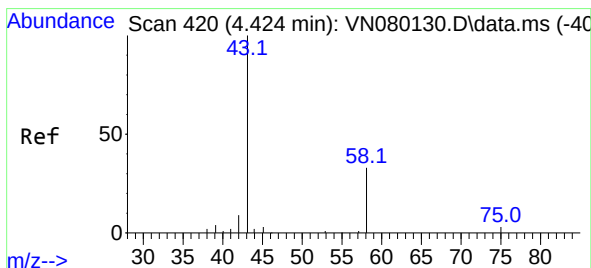
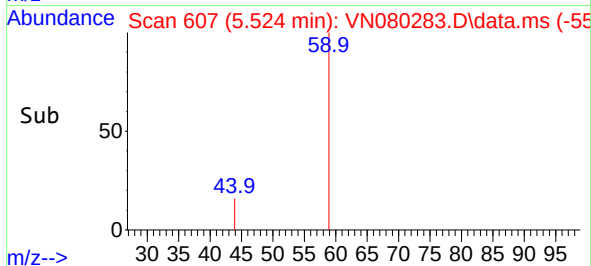
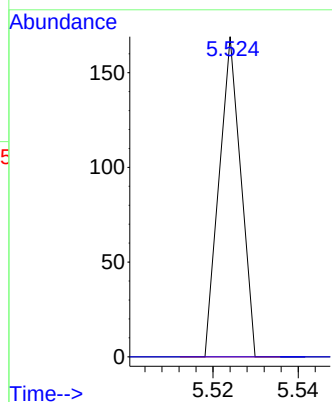


Tgt Ion: 59 Resp: 60

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 2.895 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN080283.D

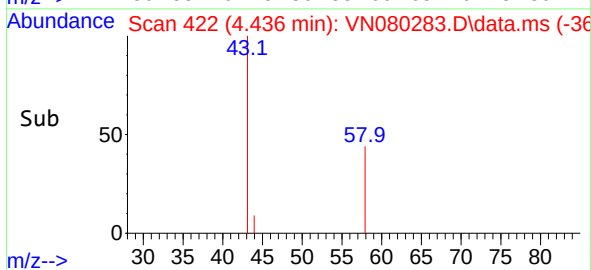
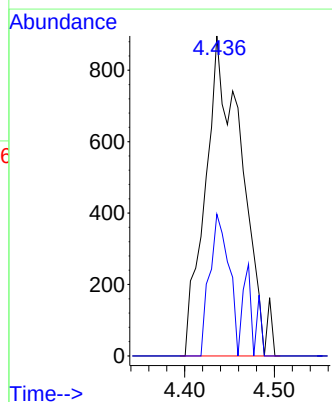
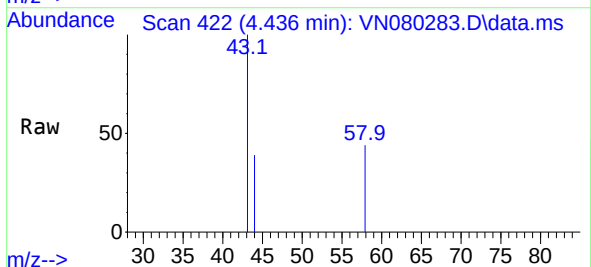
Acq: 27 Nov 2023 18:23

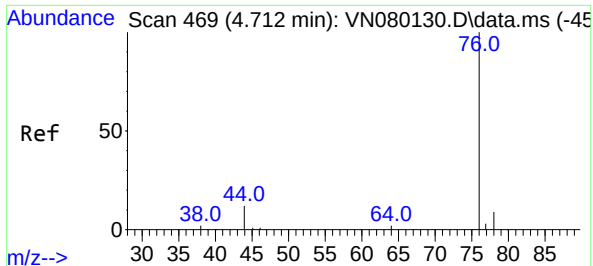
Tgt Ion: 43 Resp: 2528

Ion Ratio Lower Upper

43 100

58 44.3 28.0 42.0#

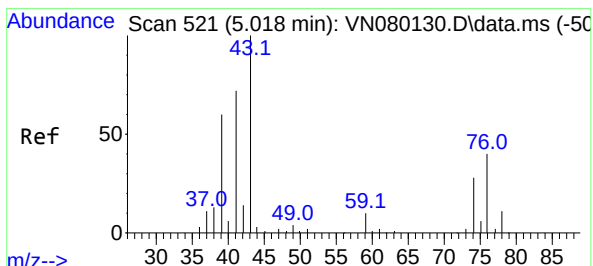
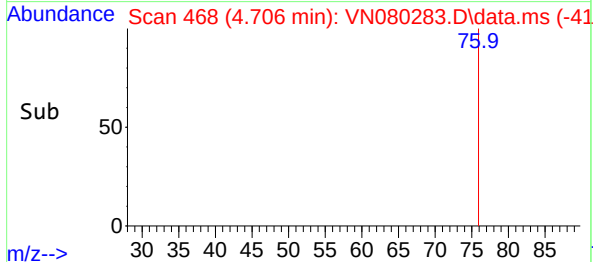
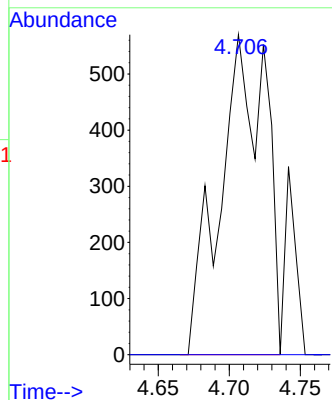
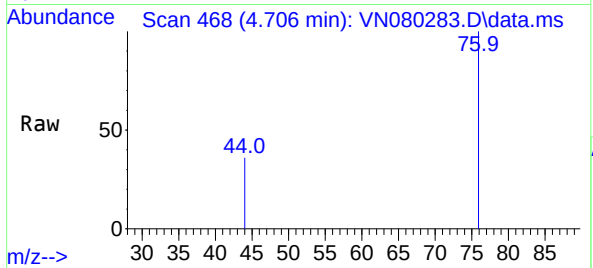




#17
Carbon Disulfide
Concen: 0.258 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

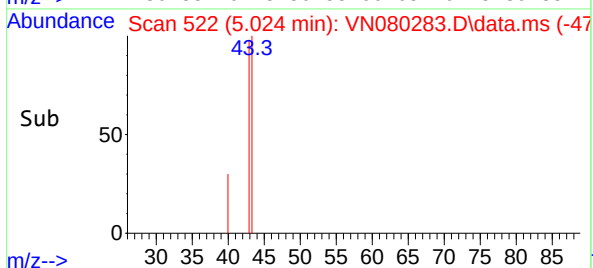
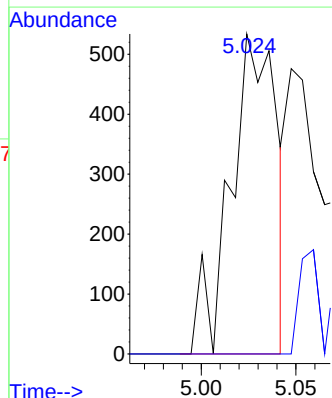
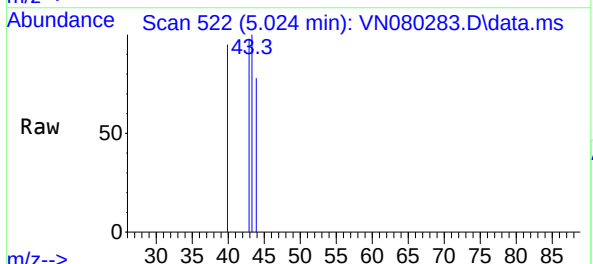
Instrument :
MSVOA_N
ClientSampleId :

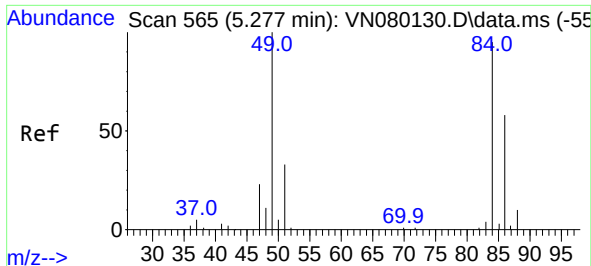
Tgt Ion: 76 Resp: 1281
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.321 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

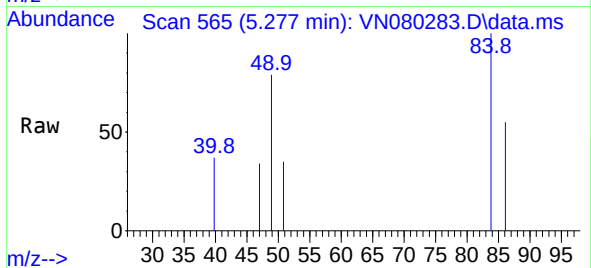
Tgt Ion: 43 Resp: 902
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#





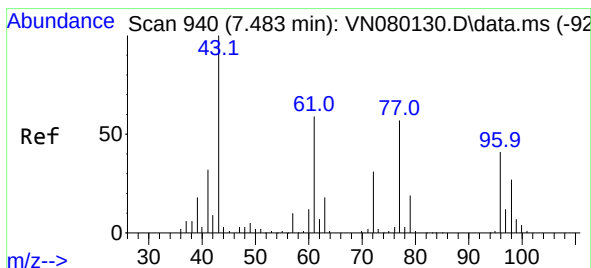
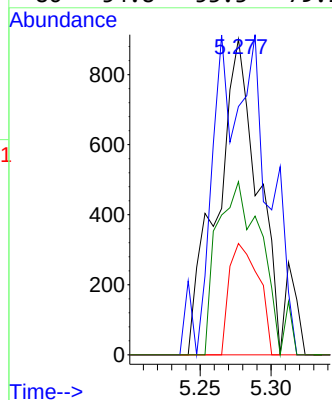
#20
Methylene Chloride
Concen: 0.979 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1790

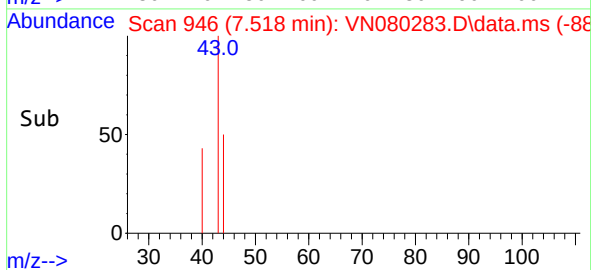
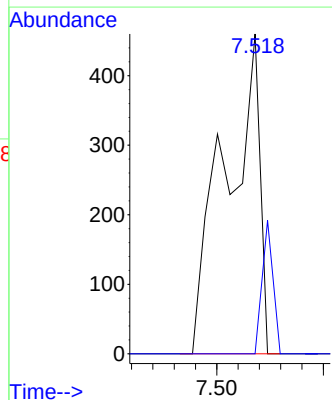
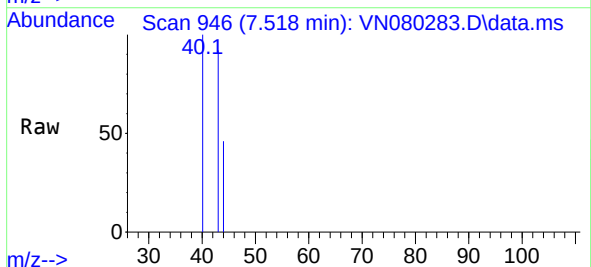
Ion	Ratio	Lower	Upper
84	100		
49	78.7	79.7	119.5#
51	35.3	25.2	37.8
86	54.8	53.3	79.9

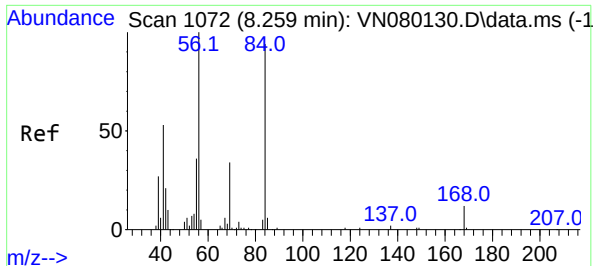


#25
2-Butanone
Concen: 0.493 ug/l
RT: 7.518 min Scan# 946
Delta R.T. 0.035 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

Tgt Ion: 43 Resp: 511

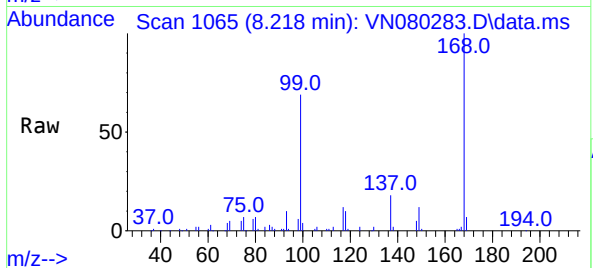
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.2	45.2#



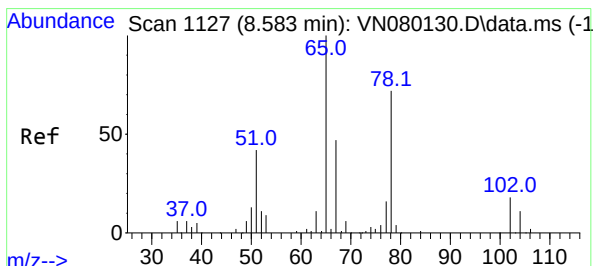
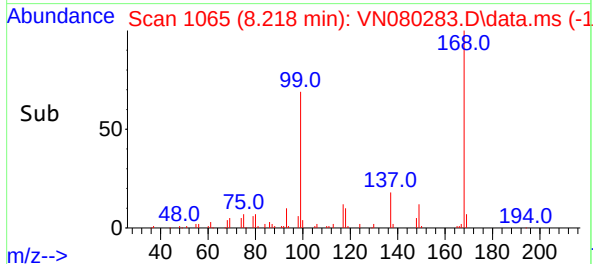
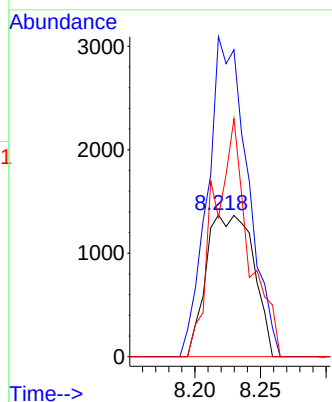


#31
Cyclohexane
Concen: 1.220 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

Instrument :
MSVOA_N
ClientSampleId :

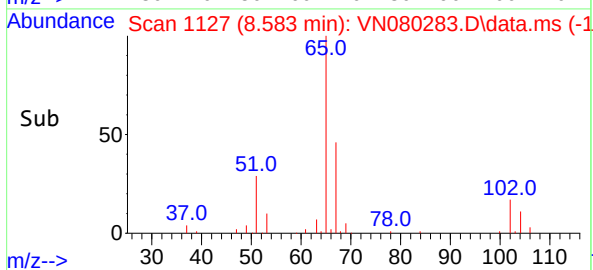
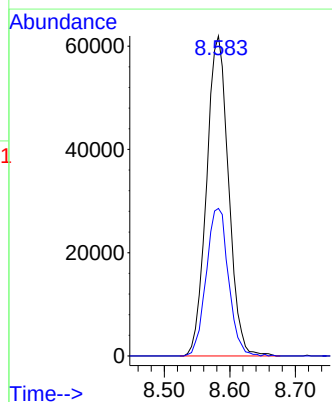
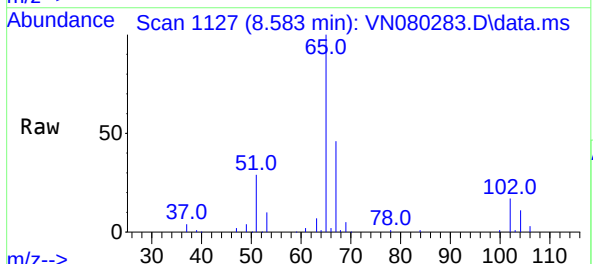


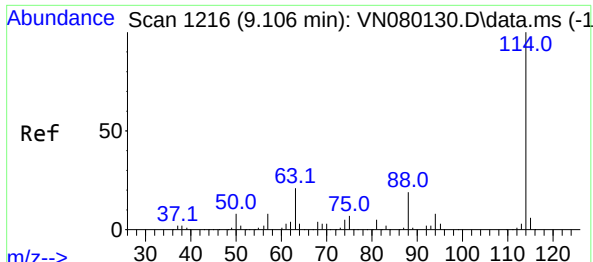
Tgt Ion: 56 Resp: 3449
Ion Ratio Lower Upper
56 100
69 225.8 26.8 40.2#
84 98.4 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 55.450 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

Tgt Ion: 65 Resp: 144169
Ion Ratio Lower Upper
65 100
67 46.7 0.0 106.6

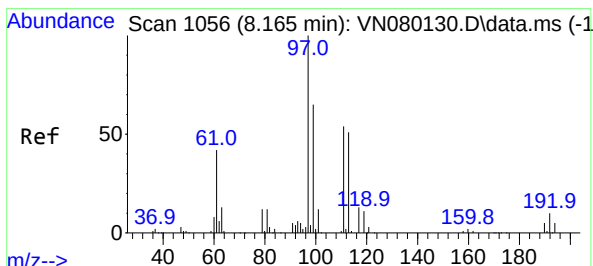
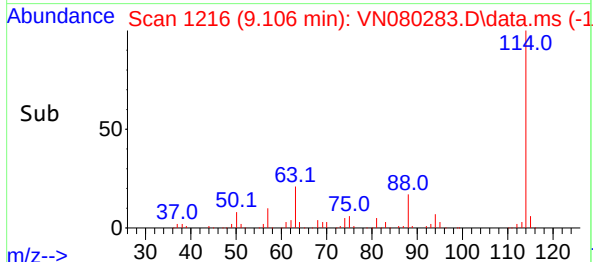
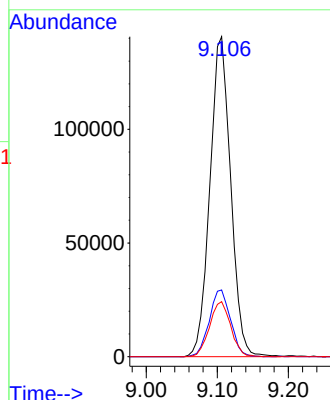
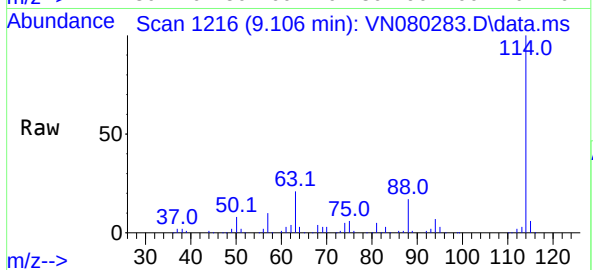




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

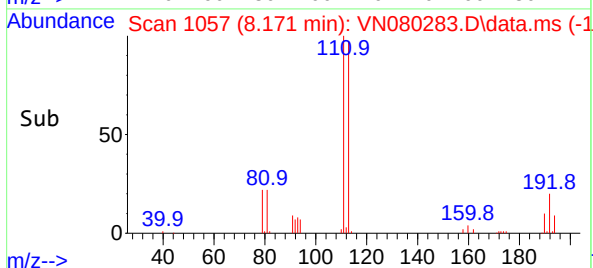
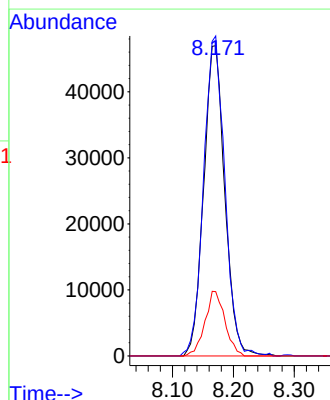
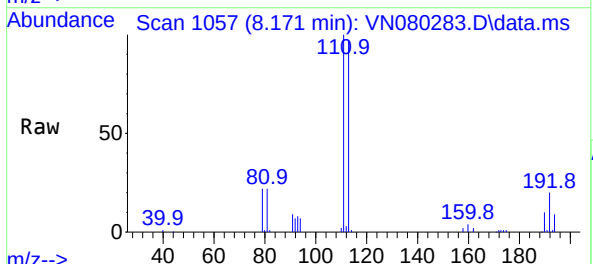
Instrument :
MSVOA_N
ClientSampleId :

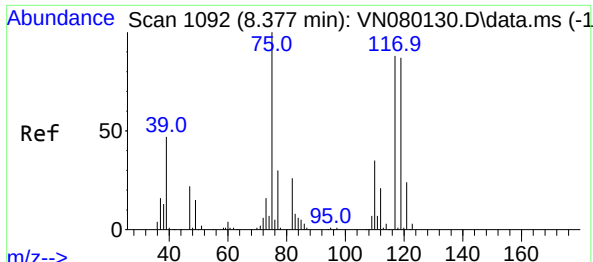
Tgt Ion:114 Resp: 285327
Ion Ratio Lower Upper
114 100
63 20.9 0.0 36.4
88 17.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 53.697 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

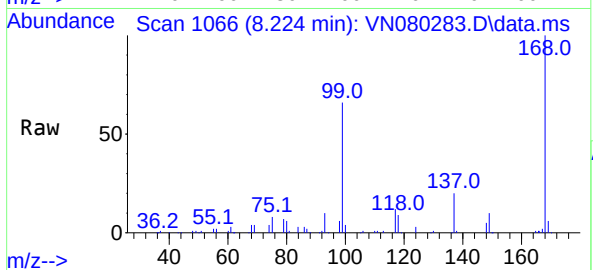
Tgt Ion:113 Resp: 113051
Ion Ratio Lower Upper
113 100
111 103.5 82.6 123.8
192 19.7 12.7 19.1#



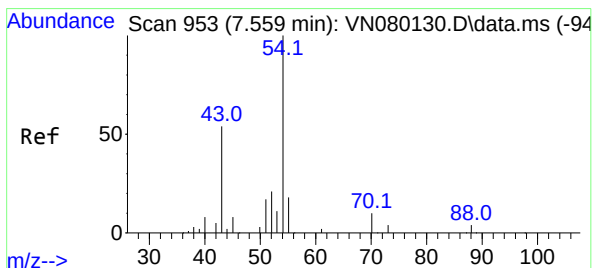
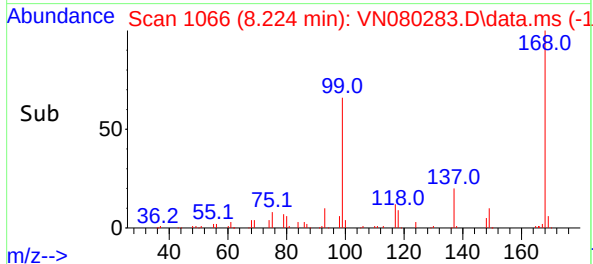
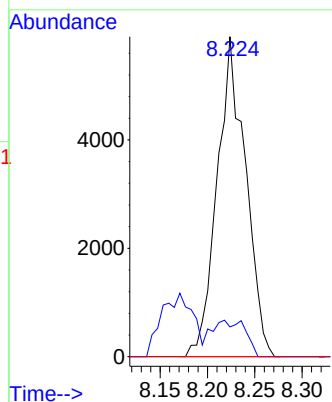


#36
1,1-Dichloropropene
Concen: 4.047 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

Instrument :
MSVOA_N
ClientSampleId :

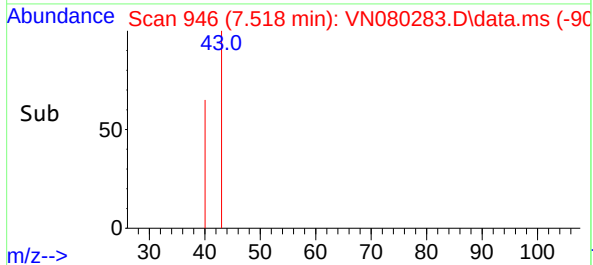
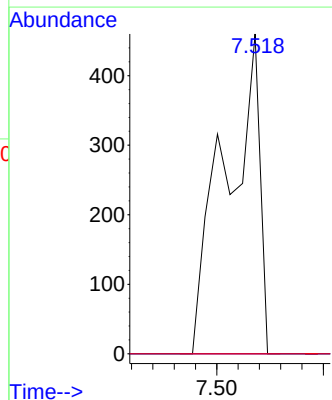
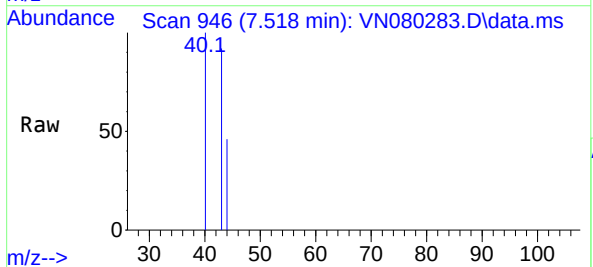


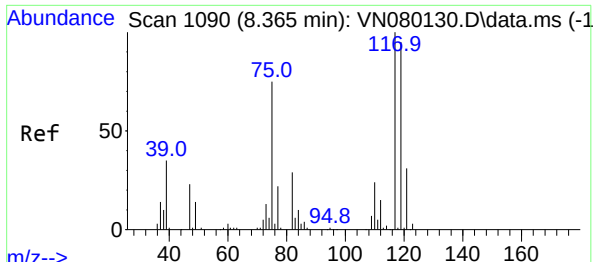
Tgt Ion: 75 Resp: 12335
Ion Ratio Lower Upper
75 100
110 13.6 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.242 ug/l
RT: 7.518 min Scan# 946
Delta R.T. -0.041 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

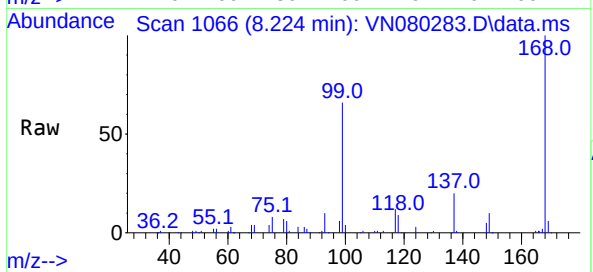
Tgt Ion: 43 Resp: 511
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 0.0 11.3 16.9#



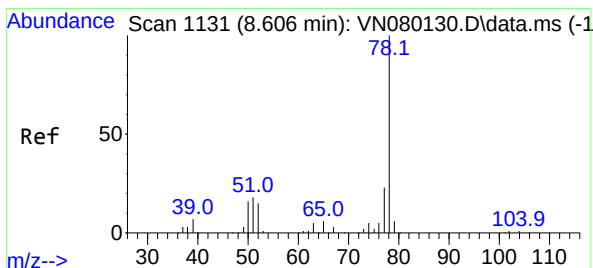
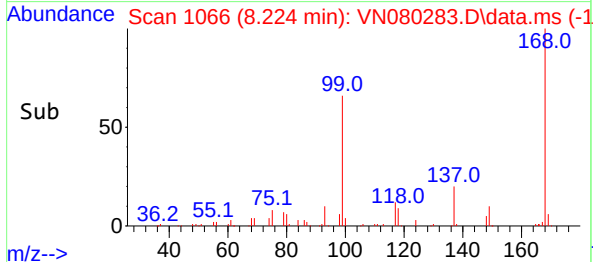
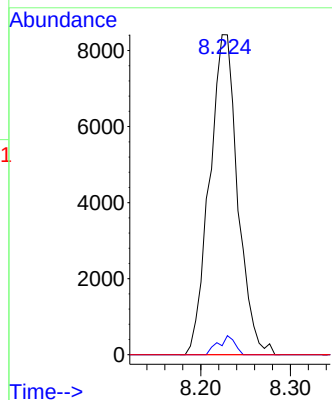


#38
Carbon Tetrachloride
Concen: 4.756 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

Instrument :
MSVOA_N
ClientSampleId :

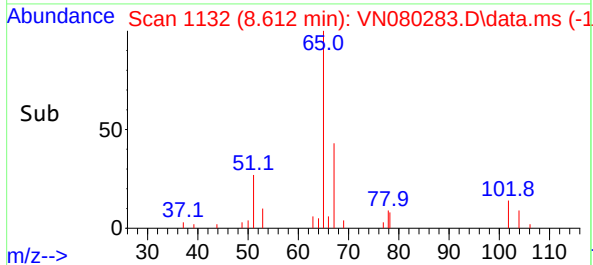
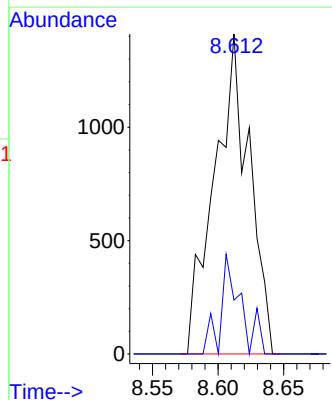
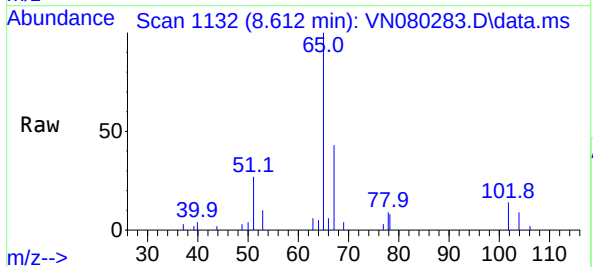


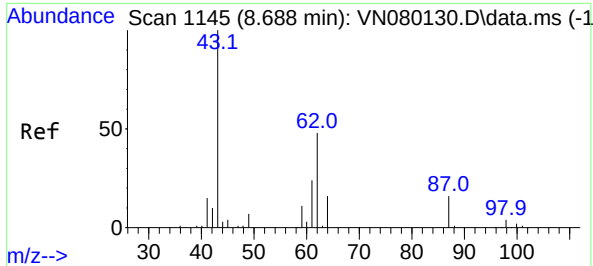
Tgt Ion:117 Resp: 18397
Ion Ratio Lower Upper
117 100
119 2.8 77.3 115.9#
121 0.0 23.3 34.9#



#40
Benzene
Concen: 0.302 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

Tgt Ion: 78 Resp: 2612
Ion Ratio Lower Upper
78 100
77 16.9 19.0 28.6#

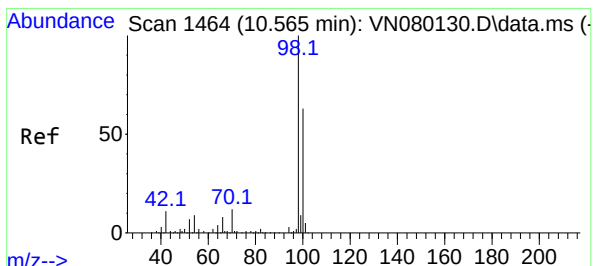
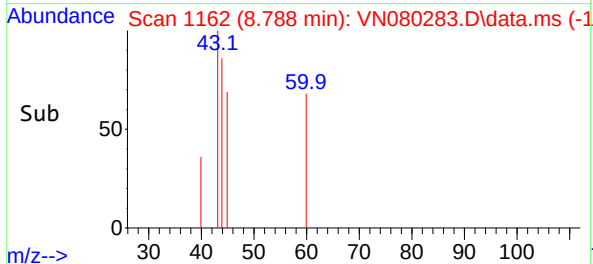
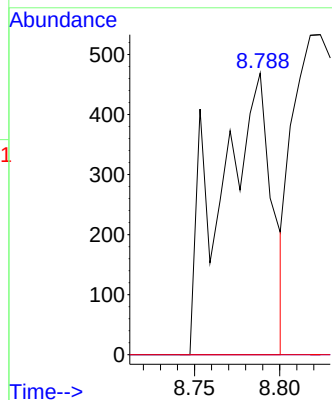
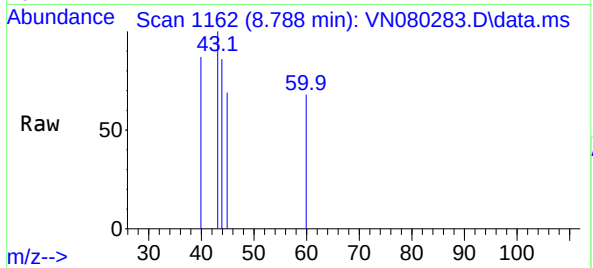




#43
Isopropyl Acetate
Concen: 0.240 ug/l
RT: 8.788 min Scan# 1145
Delta R.T. 0.100 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

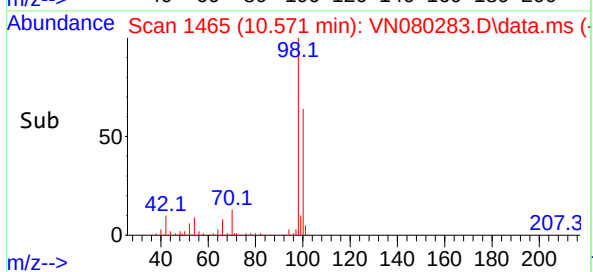
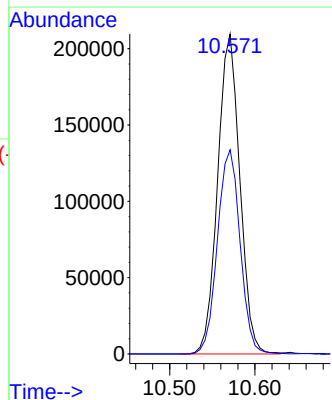
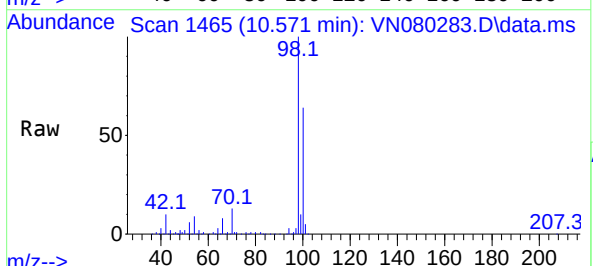
Instrument :
MSVOA_N
ClientSampleId :

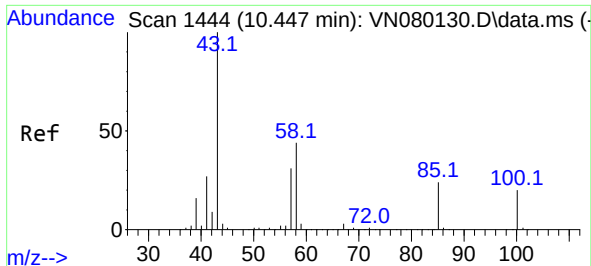
Tgt Ion: 43 Resp: 988
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 49.953 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

Tgt Ion: 98 Resp: 379107
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0

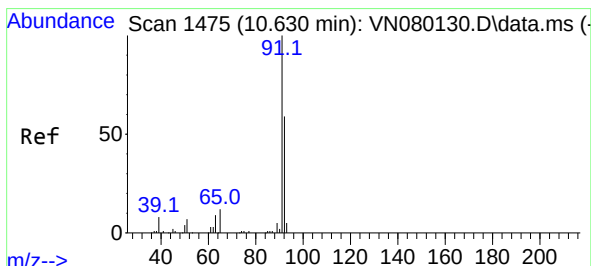
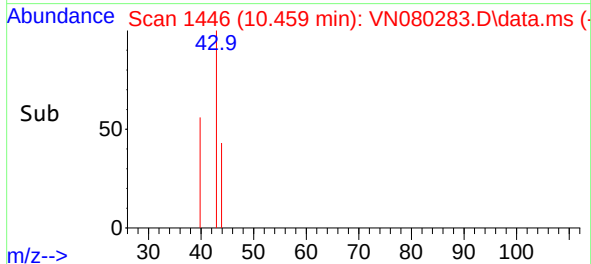
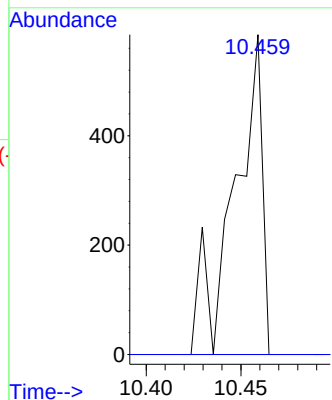
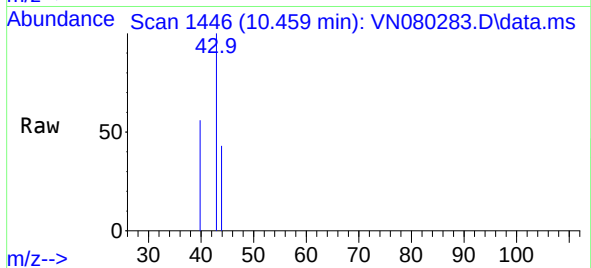




#51
4-Methyl-2-Pentanone
Concen: 0.285 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.012 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

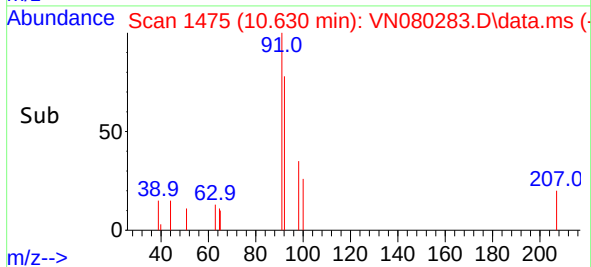
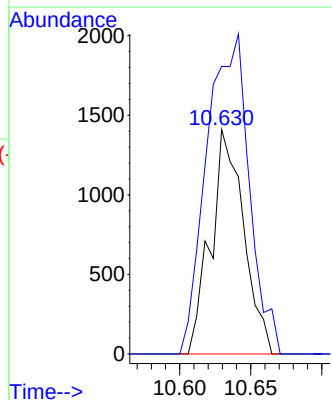
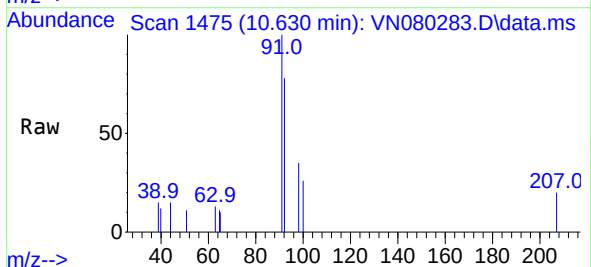
Instrument :
MSVOA_N
ClientSampleId :

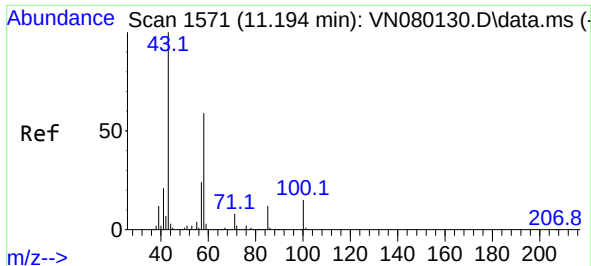
Tgt Ion: 43 Resp: 607
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#



#52
Toluene
Concen: 0.419 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

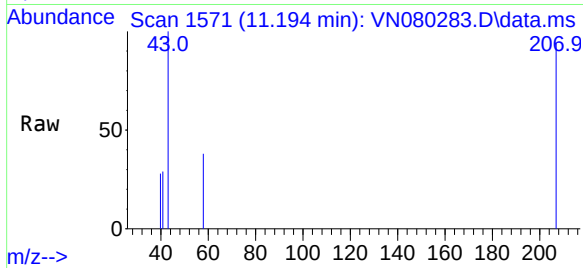
Tgt Ion: 92 Resp: 2272
Ion Ratio Lower Upper
92 100
91 183.6 137.4 206.0



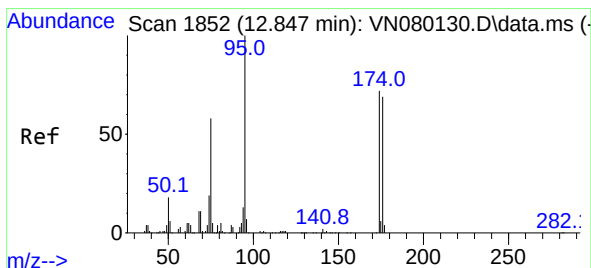
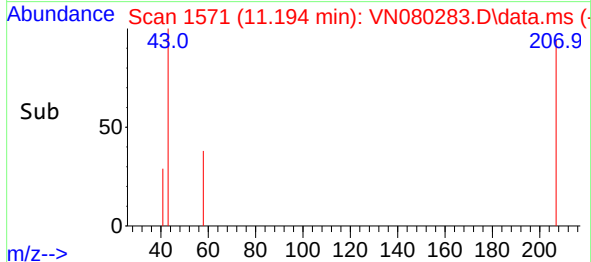
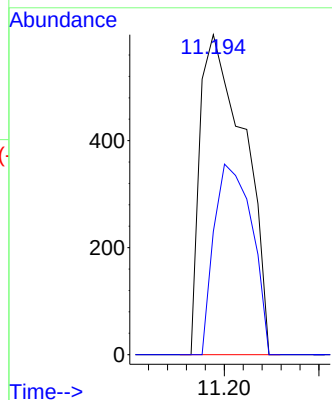


#59
2-Hexanone
Concen: 0.568 ug/l
RT: 11.194 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

Instrument :
MSVOA_N
ClientSampleId :

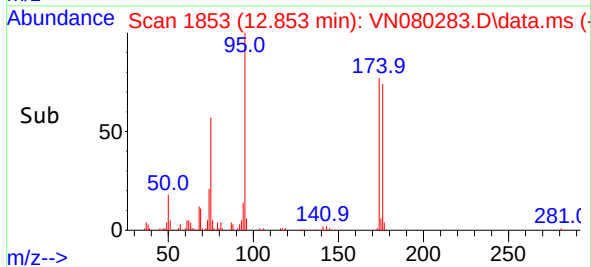
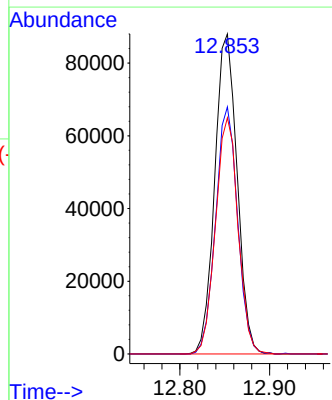
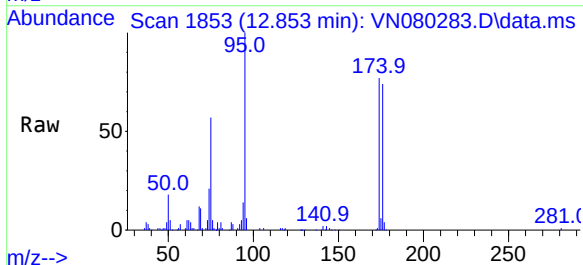


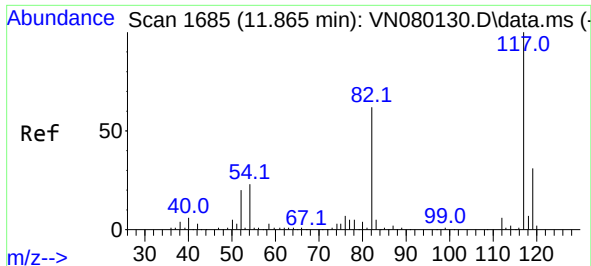
Tgt Ion: 43 Resp: 972
Ion Ratio Lower Upper
43 100
58 50.8 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 53.083 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

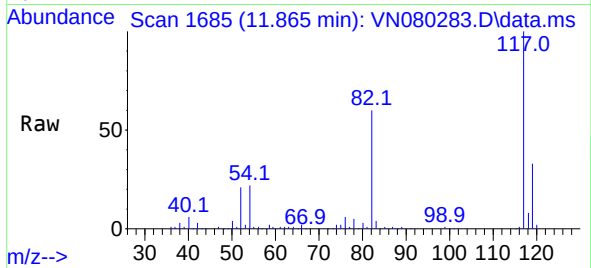
Tgt Ion: 95 Resp: 152167
Ion Ratio Lower Upper
95 100
174 76.0 0.0 143.8
176 74.2 0.0 135.8



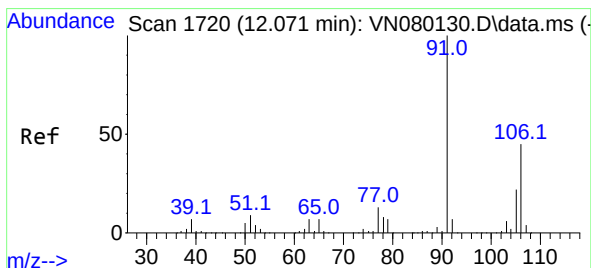
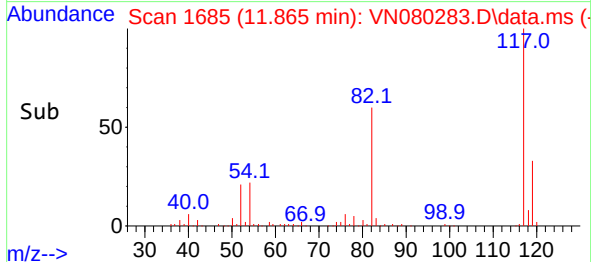
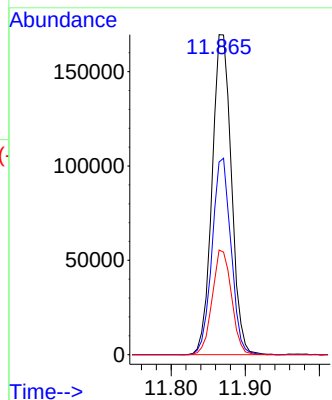


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

Instrument :
MSVOA_N
ClientSampleId :

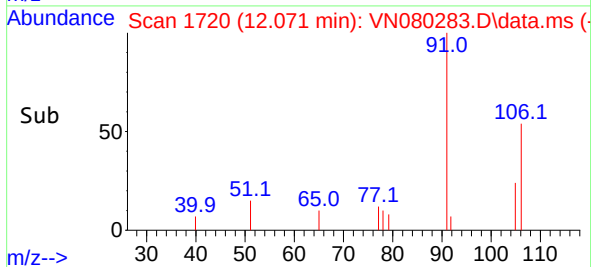
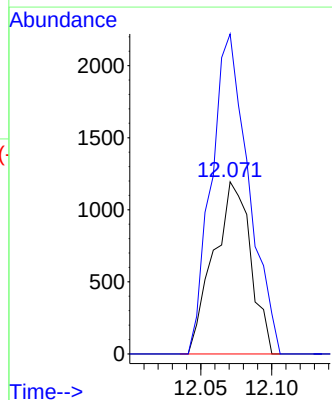
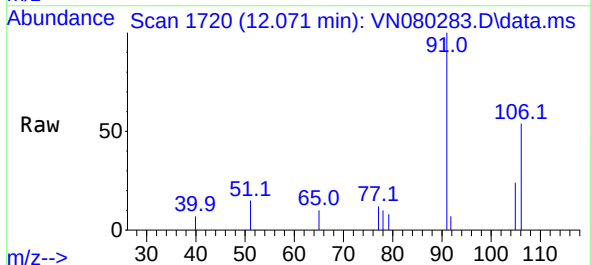


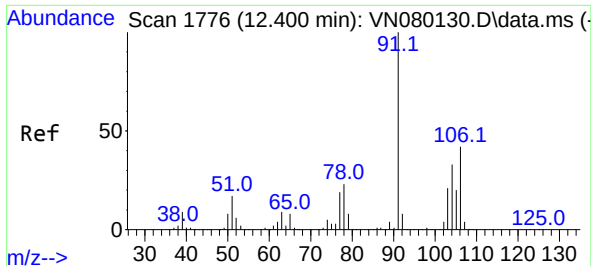
Tgt Ion:117 Resp: 306909
Ion Ratio Lower Upper
117 100
82 60.2 44.0 66.0
119 32.7 25.6 38.4



#68
m/p-Xylenes
Concen: 0.479 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

Tgt Ion:106 Resp: 2161
Ion Ratio Lower Upper
106 100
91 187.2 159.6 239.4

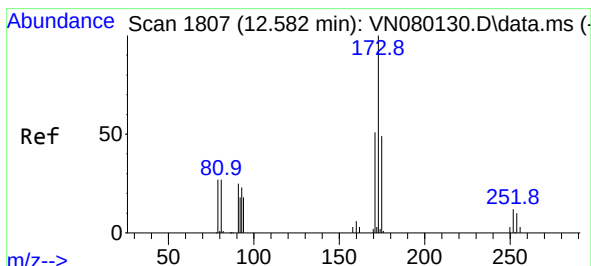
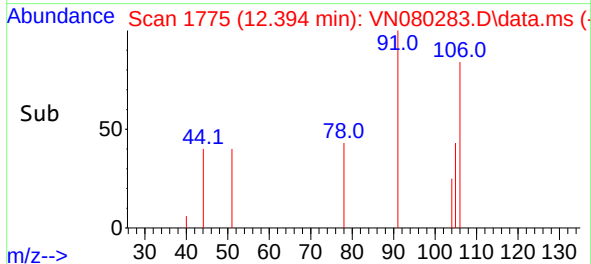
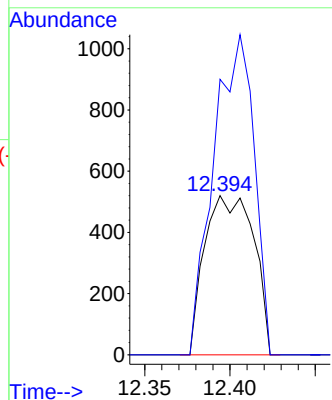
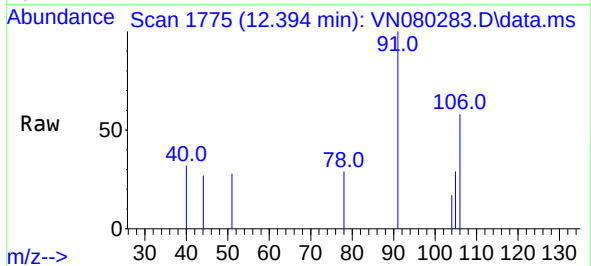




#69
o-Xylene
Concen: 0.245 ug/l
RT: 12.394 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

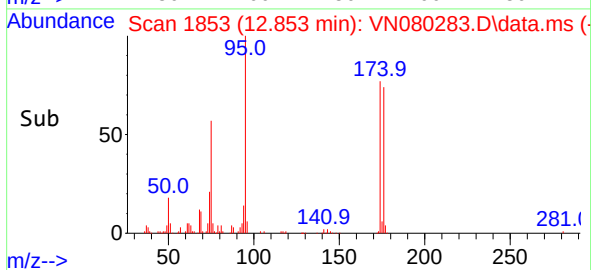
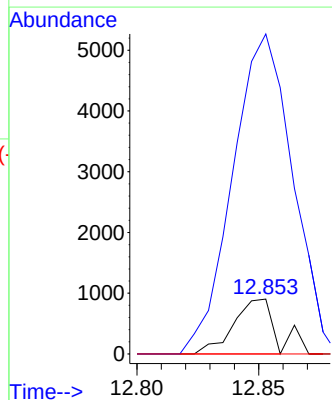
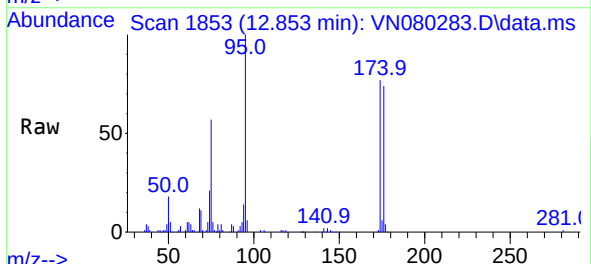
Instrument :
MSVOA_N
ClientSampleId :

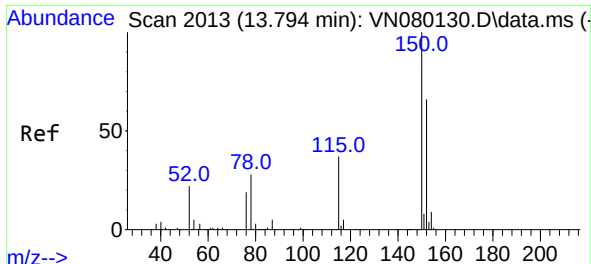
Tgt Ion:106 Resp: 1042
Ion Ratio Lower Upper
106 100
91 165.9 105.2 315.5



#71
Bromoform
Concen: 0.480 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

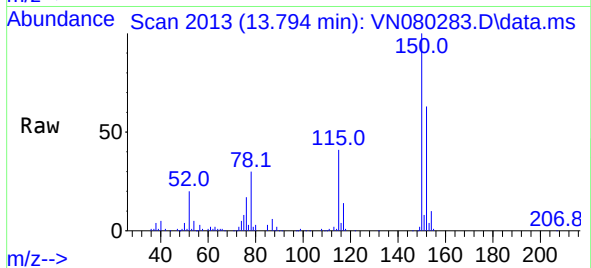
Tgt Ion:173 Resp: 960
Ion Ratio Lower Upper
173 100
175 769.0 24.3 73.0#
254 0.0 0.0 0.0



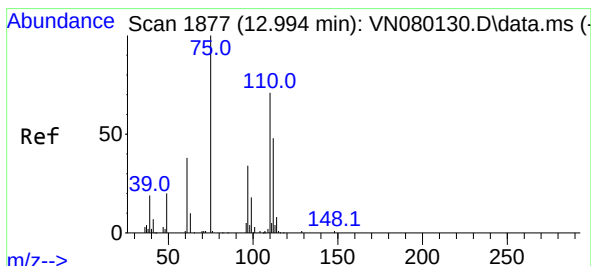
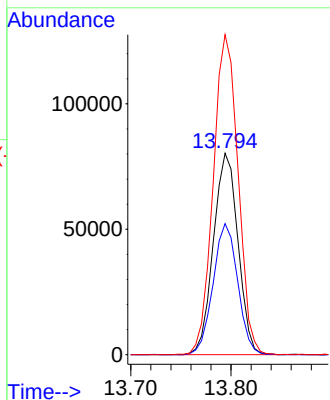
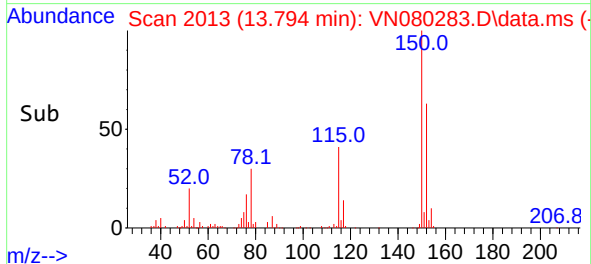


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

Instrument :
MSVOA_N
ClientSampleId :

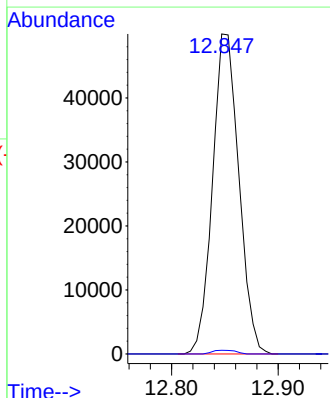
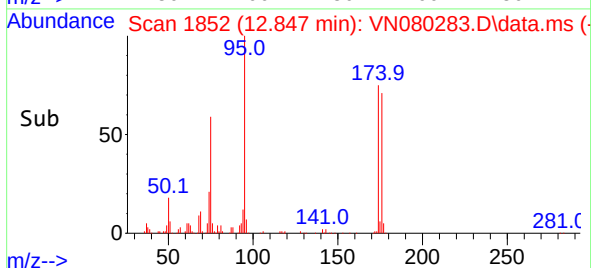
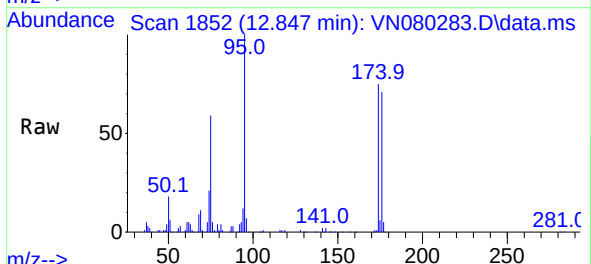


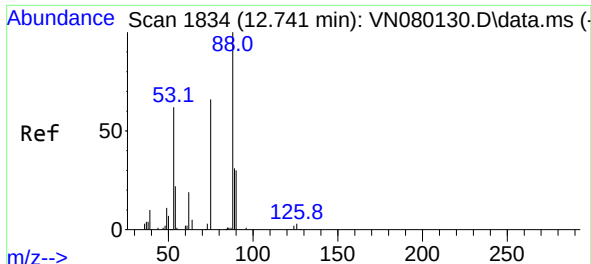
Tgt Ion:152 Resp: 136708
Ion Ratio Lower Upper
152 100
115 65.2 32.3 96.8
150 160.5 0.0 355.8



#76
1,2,3-Trichloropropane
Concen: 25.587 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

Tgt Ion: 75 Resp: 85706
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#

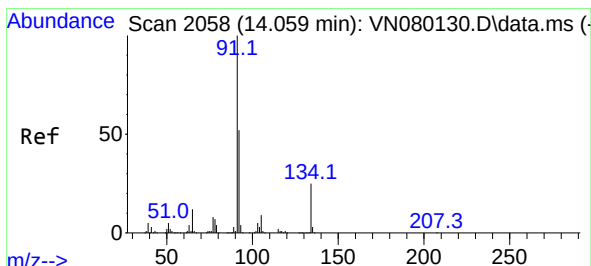
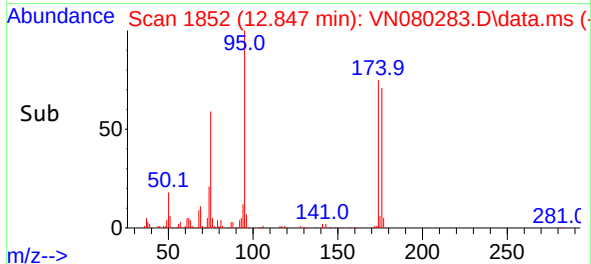
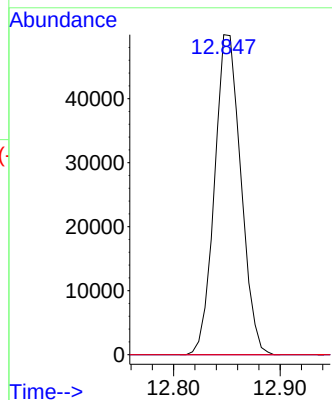
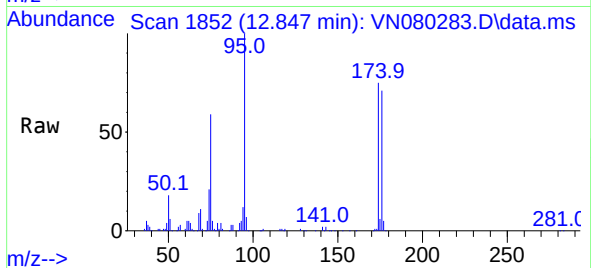




#81
trans-1,4-Dichloro-2-butene
Concen: 86.448 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

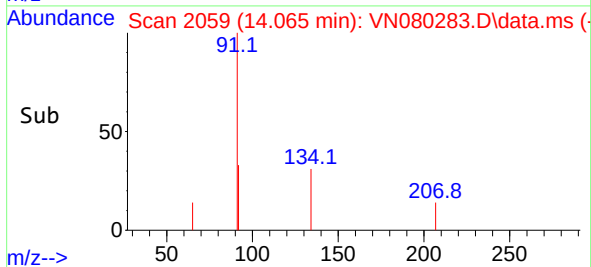
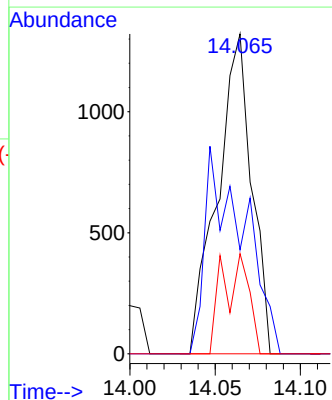
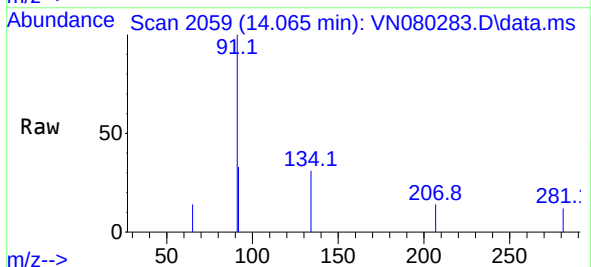
Instrument :
MSVOA_N
ClientSampleId :

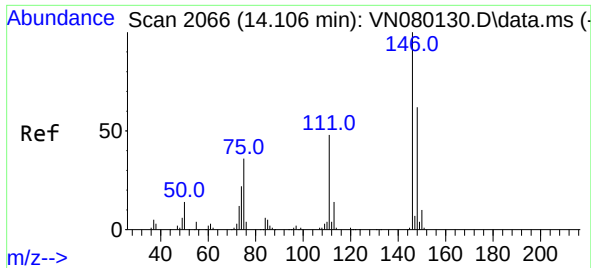
Tgt Ion: 75 Resp: 85706
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#89
n-Butylbenzene
Concen: 0.263 ug/l
RT: 14.065 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

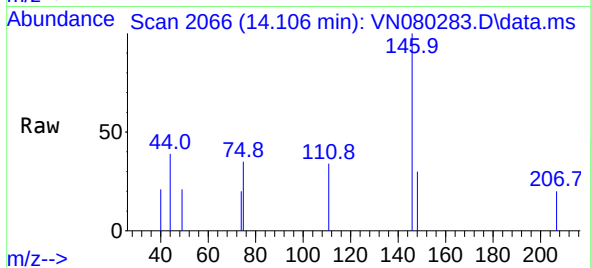
Tgt Ion: 91 Resp: 1844
Ion Ratio Lower Upper
91 100
92 72.9 26.4 79.0
134 23.8 12.6 37.6



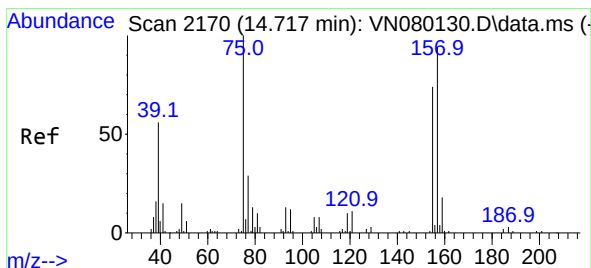
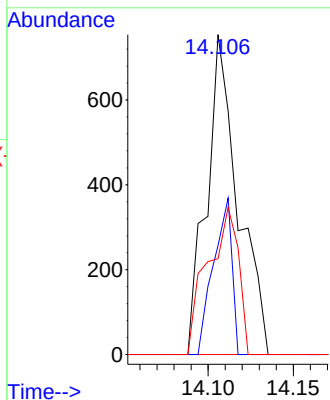
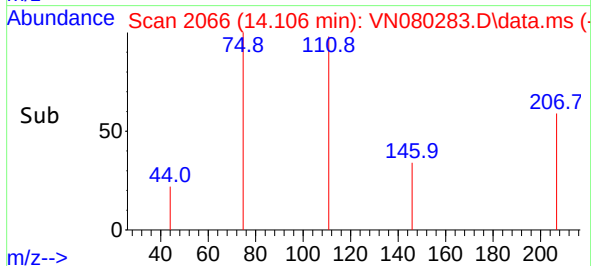


#91
1,2-Dichlorobenzene
Concen: 0.209 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

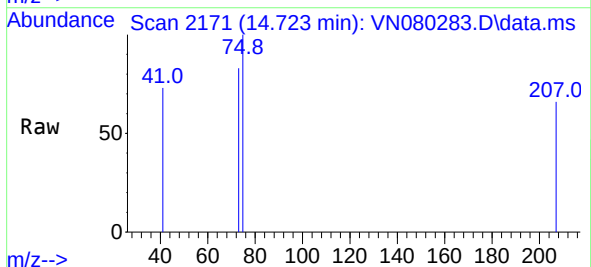
Instrument :
MSVOA_N
ClientSampleId :



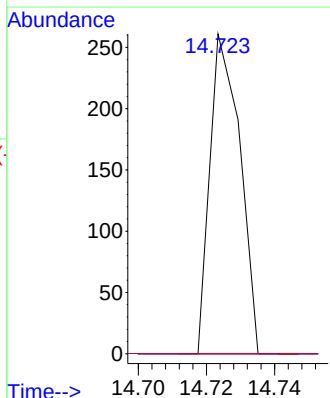
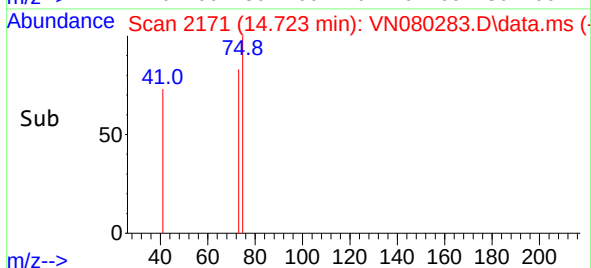
Tgt Ion:	146	Resp:	966
Ion	Ratio	Lower	Upper
146	100		
111	28.8	22.0	66.0
148	45.1	31.8	95.3

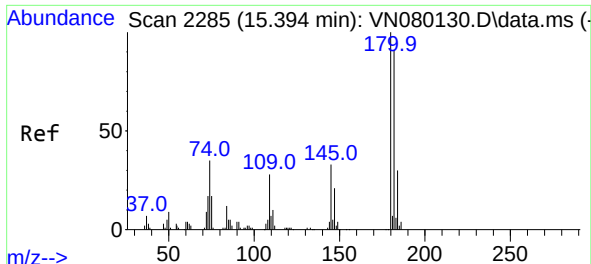


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.217 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23



Tgt Ion:	75	Resp:	160
Ion	Ratio	Lower	Upper
75	100		
155	0.0	39.1	117.2#
157	0.0	50.3	150.9#





#93

1,2,4-Trichlorobenzene

Concen: 0.540 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN080283.D

Acq: 27 Nov 2023 18:23

Instrument :

MSVOA_N

ClientSampleId :

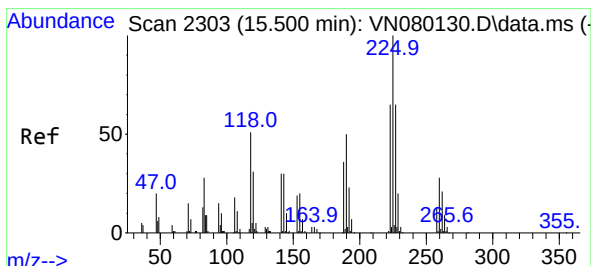
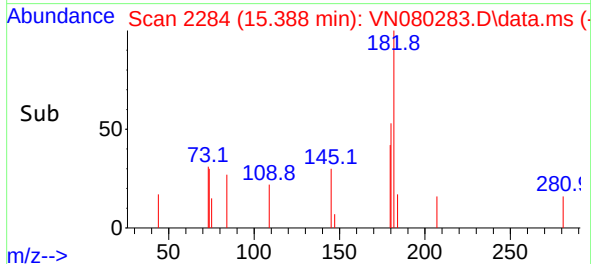
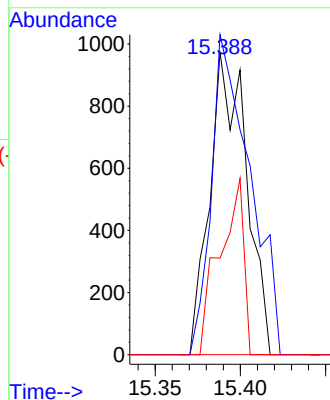
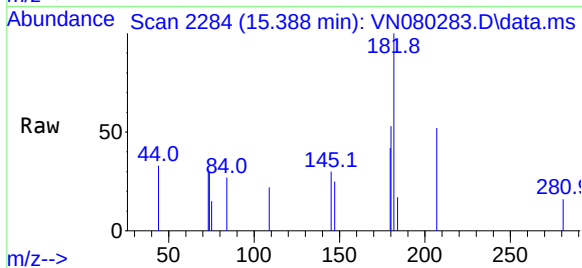
Tgt Ion:180 Resp: 1449

Ion Ratio Lower Upper

180 100

182 111.4 46.1 138.2

145 38.6 16.6 49.8



#94

Hexachlorobutadiene

Concen: 0.536 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN080283.D

Acq: 27 Nov 2023 18:23

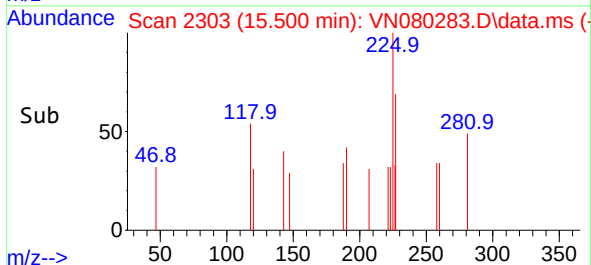
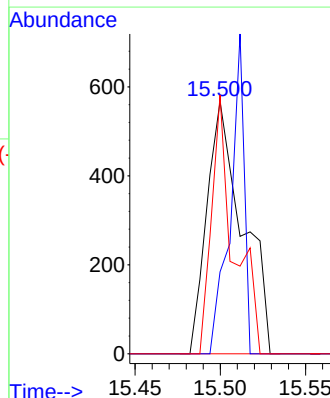
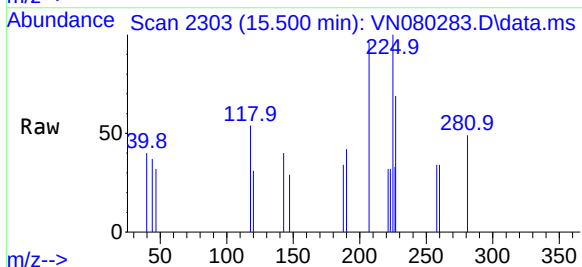
Tgt Ion:225 Resp: 828

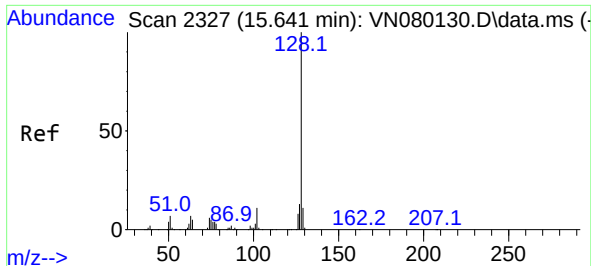
Ion Ratio Lower Upper

225 100

223 49.0 31.3 93.8

227 63.4 31.9 95.9



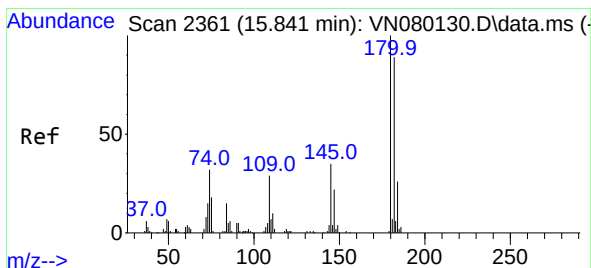
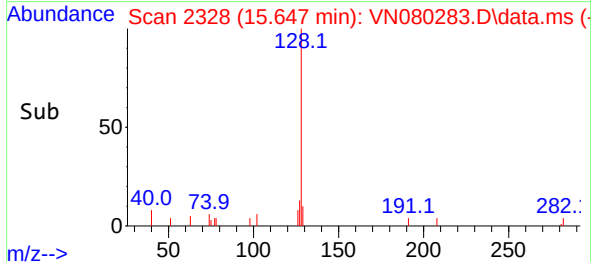
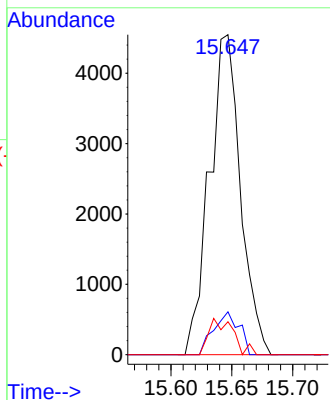
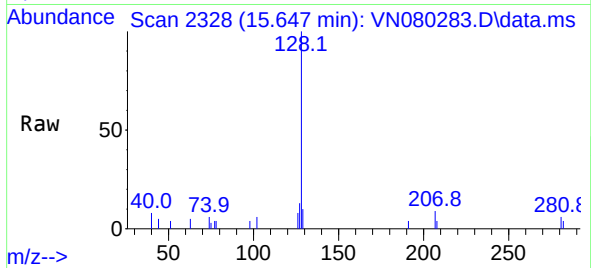


#95
Naphthalene
Concen: 1.037 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 8077

Ion	Ratio	Lower	Upper
128	100		
127	11.0	10.0	15.0
129	8.9	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.637 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.006 min
Lab File: VN080283.D
Acq: 27 Nov 2023 18:23

Tgt Ion:180 Resp: 1604

Ion	Ratio	Lower	Upper
180	100		
182	126.5	46.2	138.6
145	36.7	17.5	52.6

