

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122022\
 Data File : VN075888.D
 Acq On : 20 Dec 2022 10:48
 Operator : JC\MD
 Sample : VN1220MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220MBL01

Quant Time: Dec 21 01:26:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

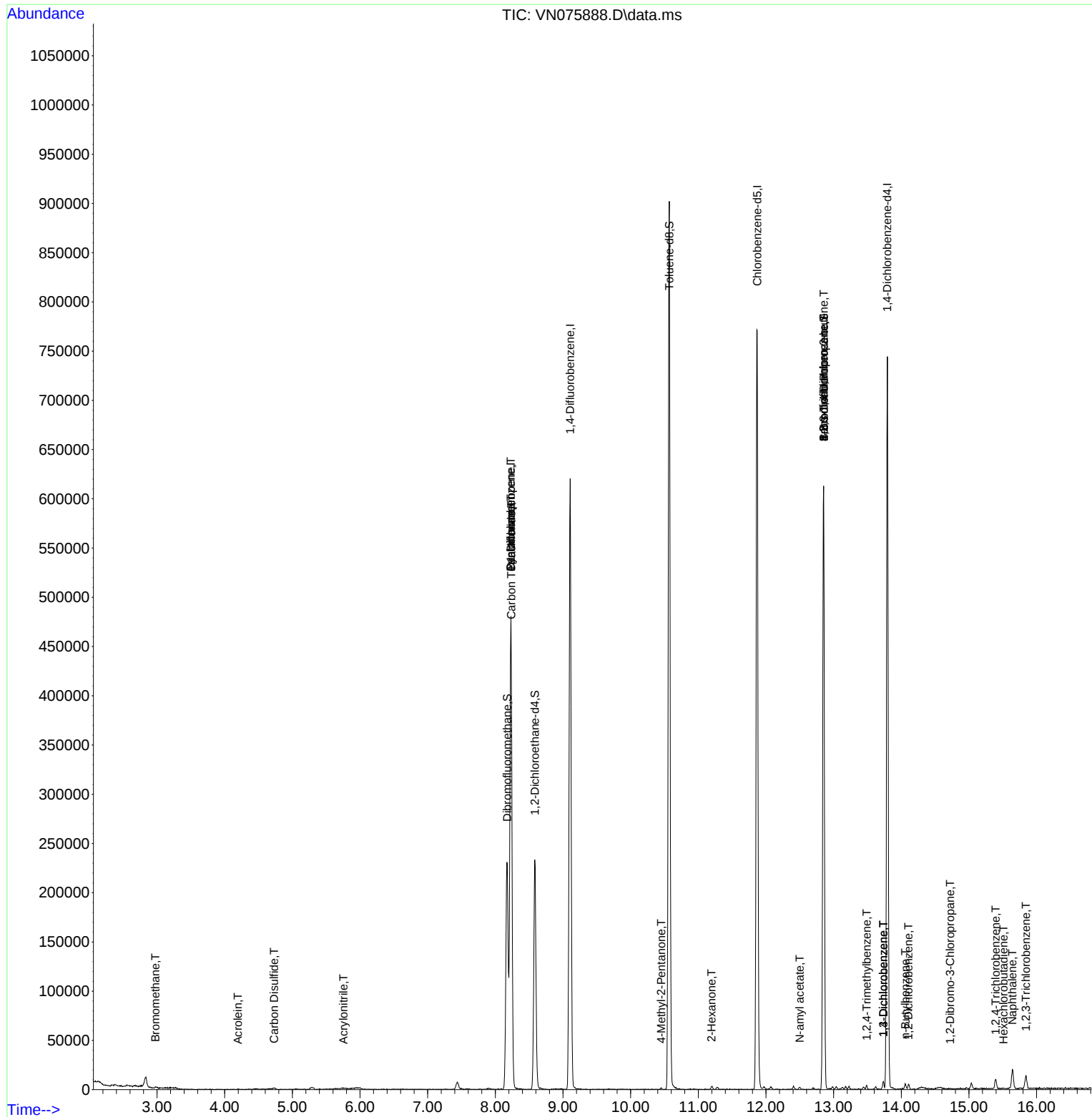
Internal Standards						
1) Pentafluorobenzene	8.230	168	376388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	578887	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	491384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	213474	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	185840	45.385	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.760%		
35) Dibromofluoromethane	8.177	113	170274	47.497	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.000%		
50) Toluene-d8	10.571	98	648250	48.363	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.720%		
62) 4-Bromofluorobenzene	12.853	95	207683	46.781	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.560%		
Target Compounds						Qvalue
5) Bromomethane	2.977	94	680	0.202	ug/l	94
13) Acrolein	4.195	56	298	0.420	ug/l #	1
15) Acrylonitrile	5.753	53	871	0.551	ug/l #	41
17) Carbon Disulfide	4.730	76	1771	0.219	ug/l #	76
20) Methylene Chloride	5.295	84	885	Below Cal	#	79
31) Cyclohexane	8.230	56	6738	1.149	ug/l #	6
36) 1,1-Dichloropropene	8.230	75	27514	5.778	ug/l #	50
38) Carbon Tetrachloride	8.236	117	35362	6.634	ug/l #	16
51) 4-Methyl-2-Pentanone	10.453	43	991	0.260	ug/l	94
59) 2-Hexanone	11.194	43	2519	0.905	ug/l	82
71) Bromoform	12.853	173	1904	0.700	ug/l #	1
74) N-amyl acetate	12.500	43	1364	0.301	ug/l #	74
76) 1,2,3-Trichloropropane	12.853	75	103357	24.019	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	103357	86.457	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.488	105	2636	0.206	ug/l	94
87) 1,3-Dichlorobenzene	13.735	146	2552	0.354	ug/l	89
88) 1,4-Dichlorobenzene	13.735	146	2552	0.346	ug/l	91
89) n-Butylbenzene	14.059	91	3614	0.341	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	2752	0.387	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.723	75	170	0.201	ug/l	57
93) 1,2,4-Trichlorobenzene	15.394	180	3861	1.098	ug/l	85
94) Hexachlorobutadiene	15.512	225	442	0.230	ug/l #	47
95) Naphthalene	15.641	128	21356	3.936	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	5065	1.541	ug/l	96

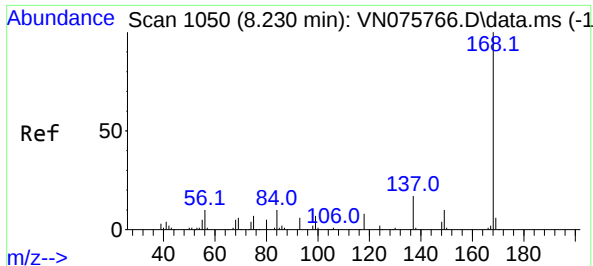
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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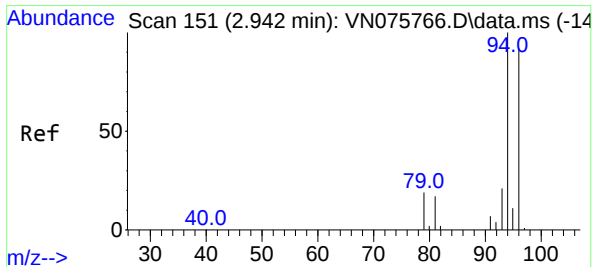
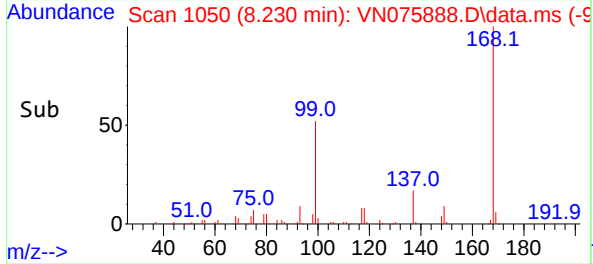
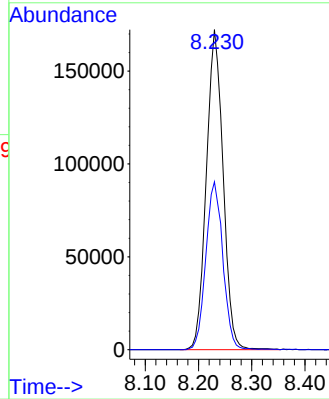
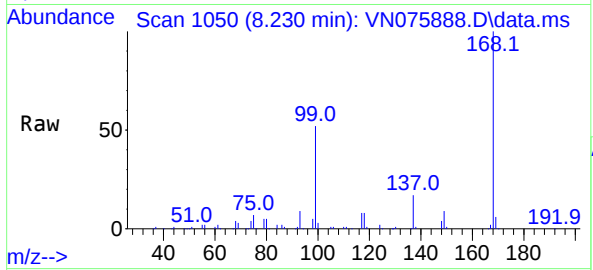




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

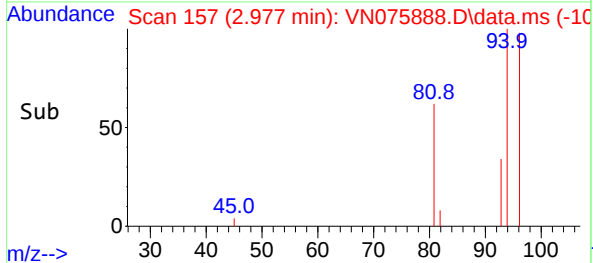
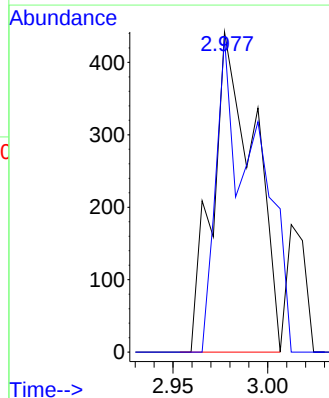
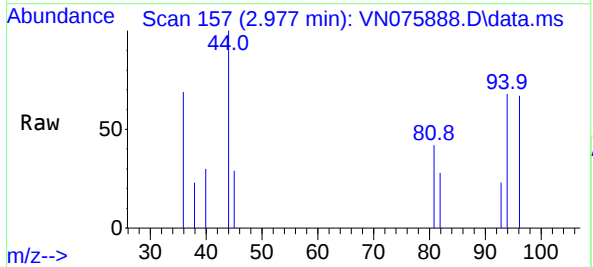
Instrument :
MSVOA_N
ClientSampleId :
VN1220MBL01

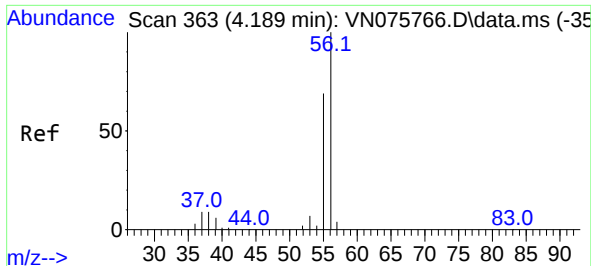
Tgt Ion:168 Resp: 376388
Ion Ratio Lower Upper
168 100
99 52.4 44.2 66.4



#5
Bromomethane
Concen: 0.202 ug/l
RT: 2.977 min Scan# 157
Delta R.T. 0.035 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

Tgt Ion: 94 Resp: 680
Ion Ratio Lower Upper
94 100
96 98.2 73.8 110.6

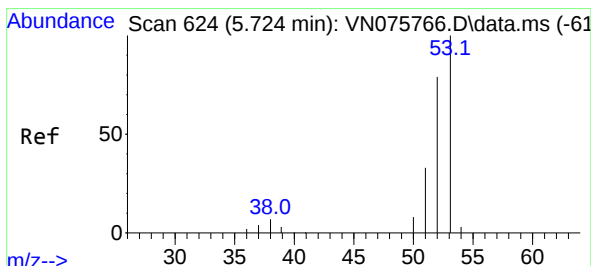
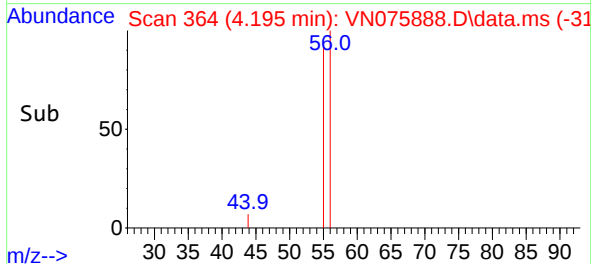
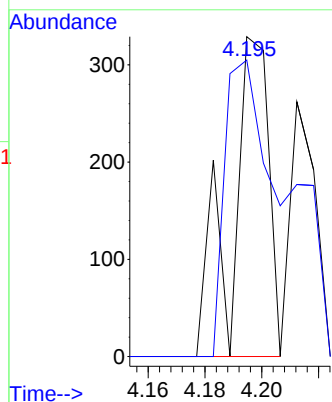
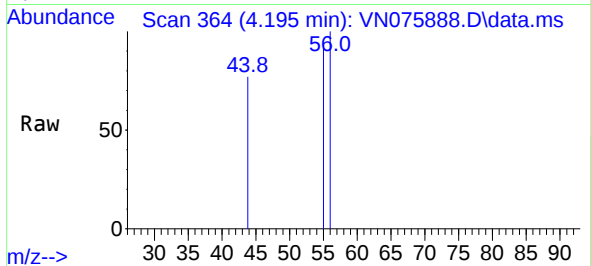




#13
Acrolein
Concen: 0.420 ug/l
RT: 4.195 min Scan# 301
Delta R.T. 0.006 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

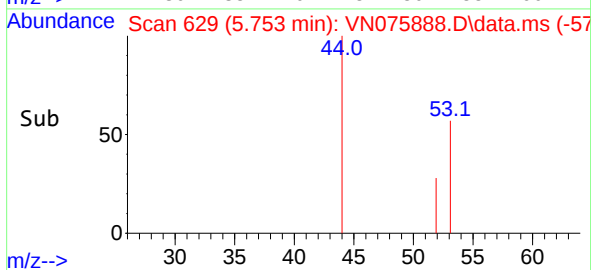
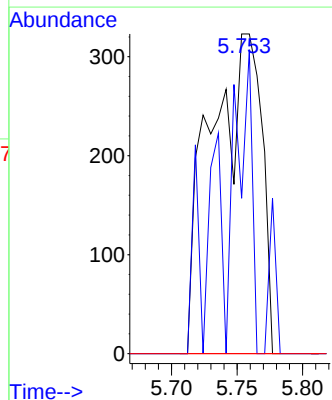
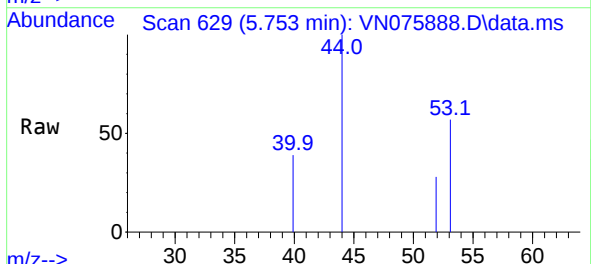
Instrument :
MSVOA_N
ClientSampleId :
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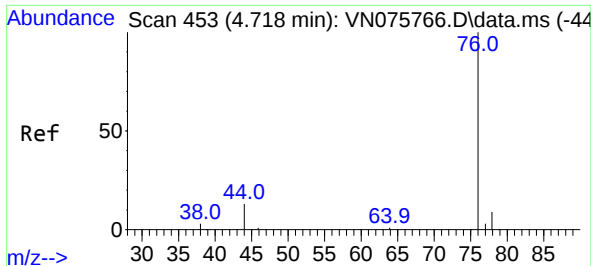
Tgt Ion: 56 Resp: 298
Ion Ratio Lower Upper
56 100
55 154.4 54.8 82.2#



#15
Acrylonitrile
Concen: 0.551 ug/l
RT: 5.753 min Scan# 629
Delta R.T. 0.030 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

Tgt Ion: 53 Resp: 871
Ion Ratio Lower Upper
53 100
52 29.9 65.4 98.0#
51 0.0 28.9 43.3#

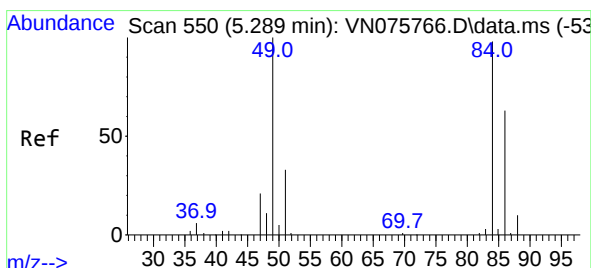
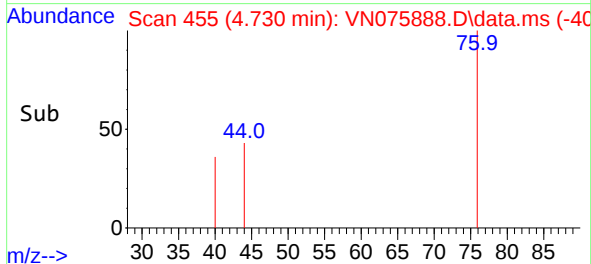
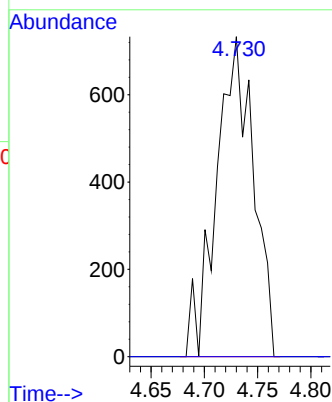
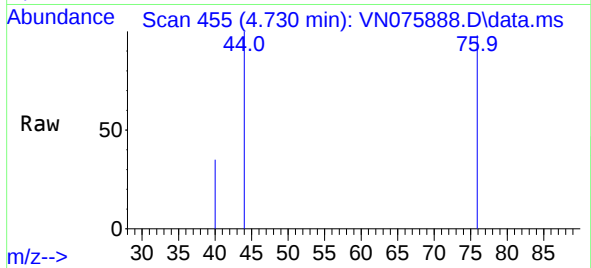




#17
Carbon Disulfide
Concen: 0.219 ug/l
RT: 4.730 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

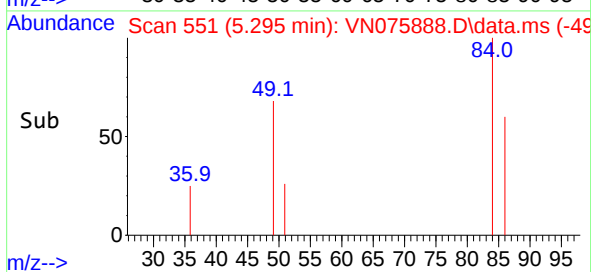
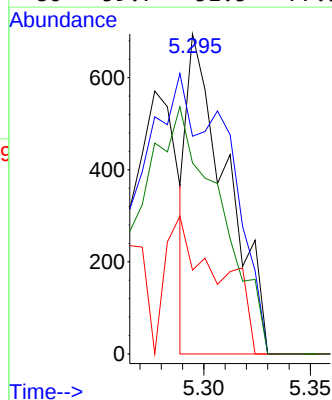
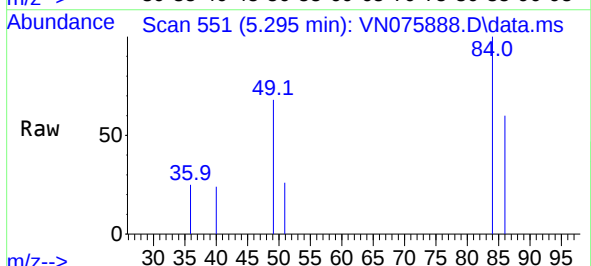
Instrument :
MSVOA_N
ClientSampleId :
VN1220MBL01

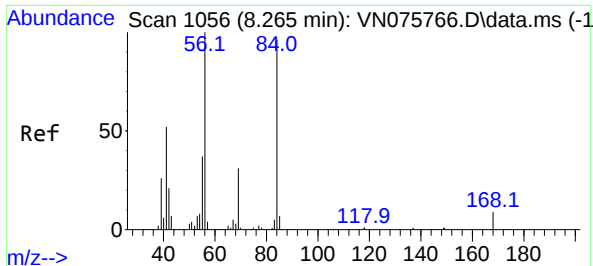
Tgt Ion: 76 Resp: 1771
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 551
Delta R.T. 0.006 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

Tgt Ion: 84 Resp: 885
Ion Ratio Lower Upper
84 100
49 68.1 81.8 122.6#
51 26.2 26.7 40.1#
86 59.7 51.5 77.3

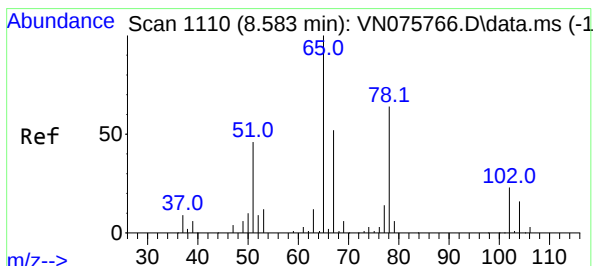
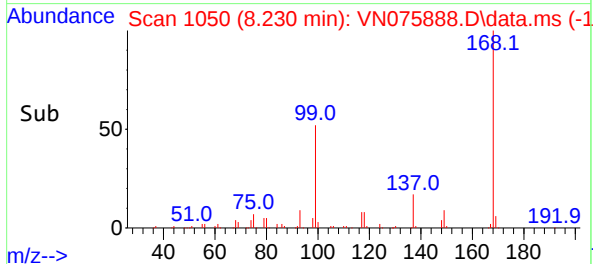
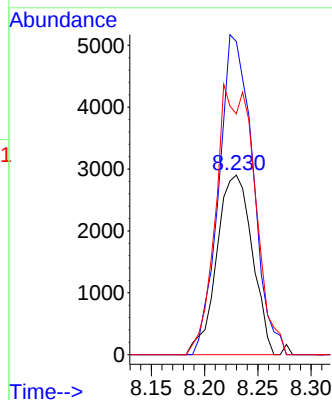
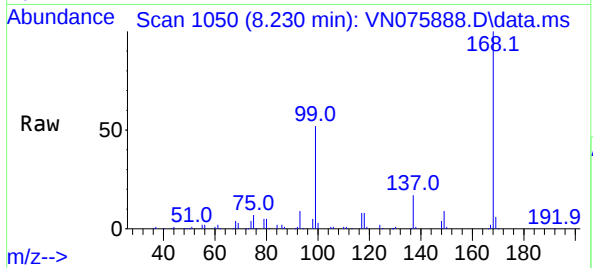




#31
Cyclohexane
Concen: 1.149 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

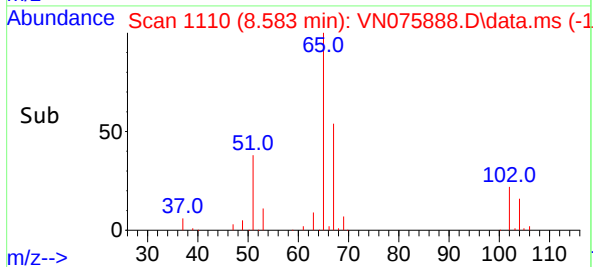
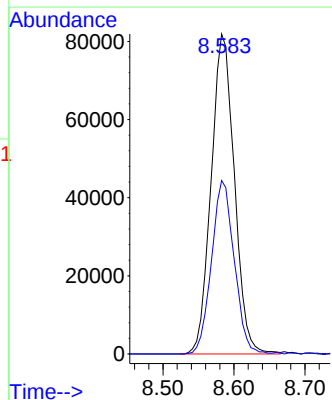
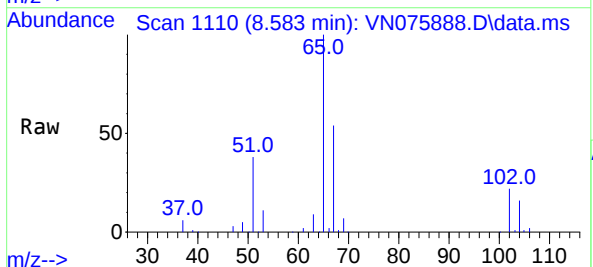
Instrument :
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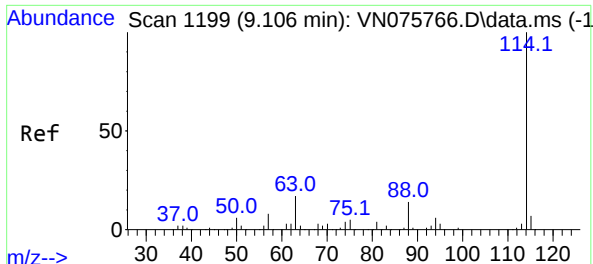
Tgt Ion: 56 Resp: 6738
Ion Ratio Lower Upper
56 100
69 174.3 24.7 37.1#
84 134.1 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 45.385 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

Tgt Ion: 65 Resp: 185840
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.4

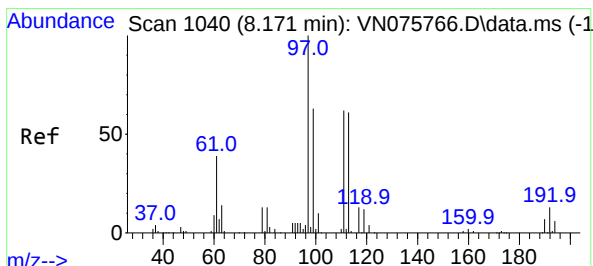
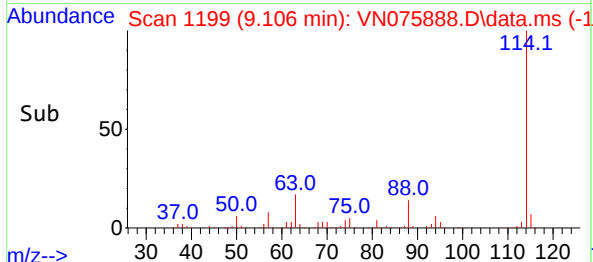
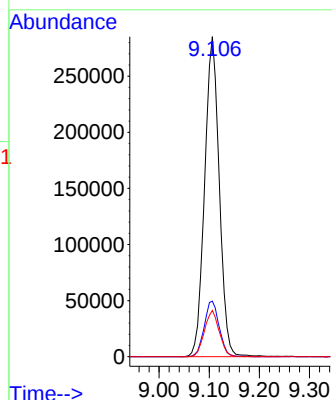
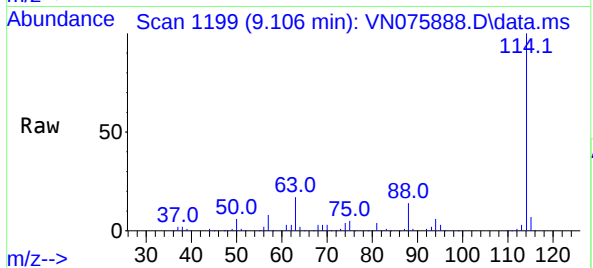




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

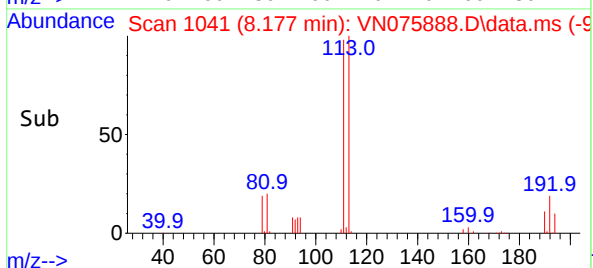
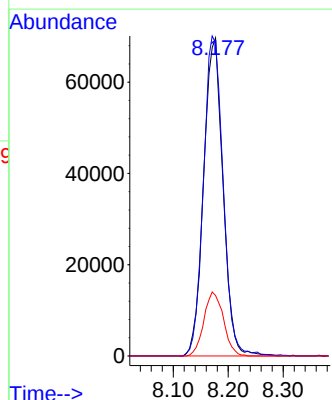
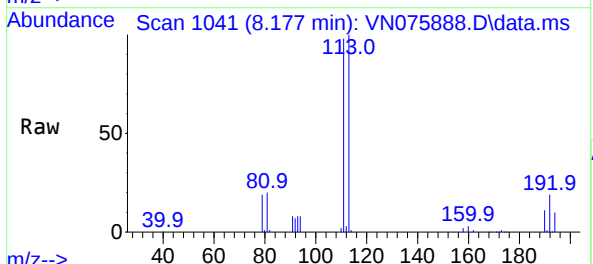
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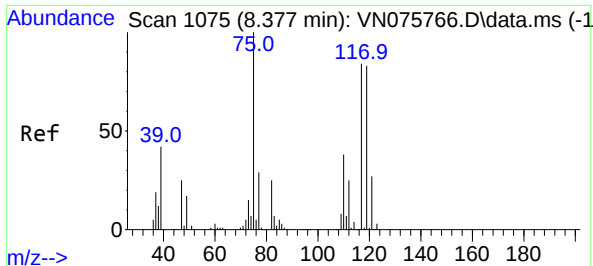
Tgt Ion:114 Resp: 578887
Ion Ratio Lower Upper
114 100
63 17.4 0.0 34.4
88 14.5 0.0 28.8



#35
Dibromofluoromethane
Concen: 47.497 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

Tgt Ion:113 Resp: 170274
Ion Ratio Lower Upper
113 100
111 102.3 83.4 125.2
192 20.4 16.1 24.1

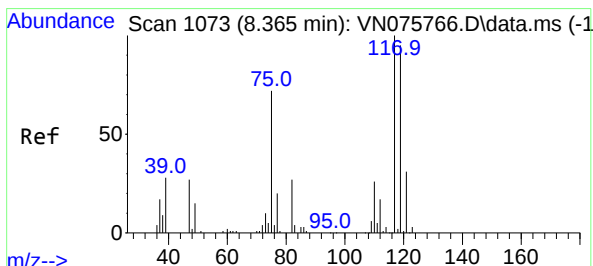
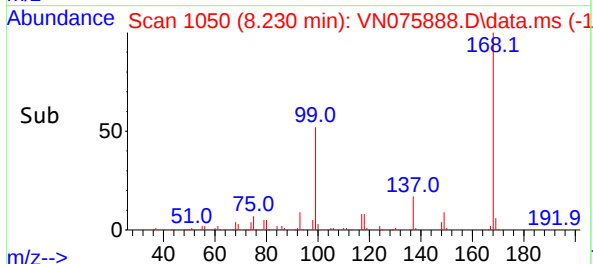
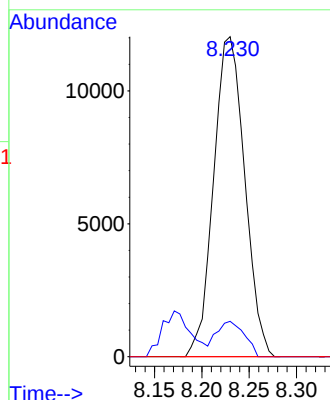
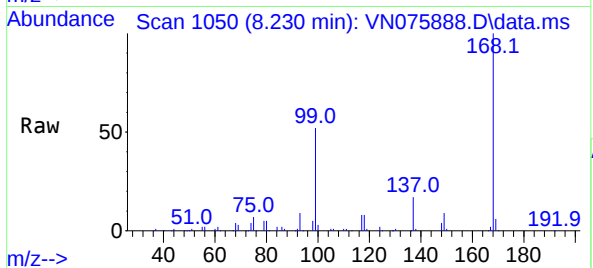




#36
1,1-Dichloropropene
Concen: 5.778 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.147 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

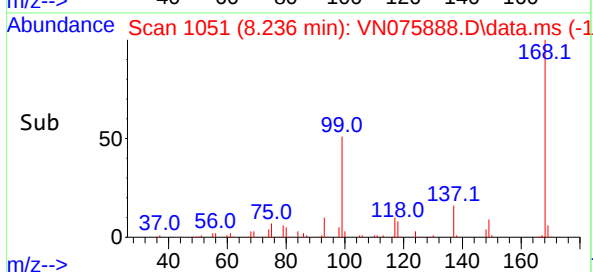
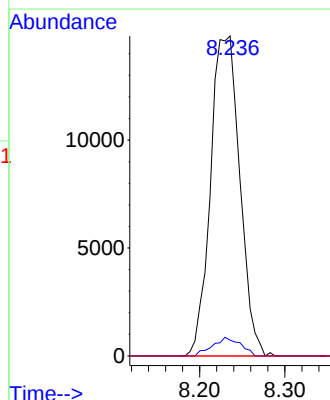
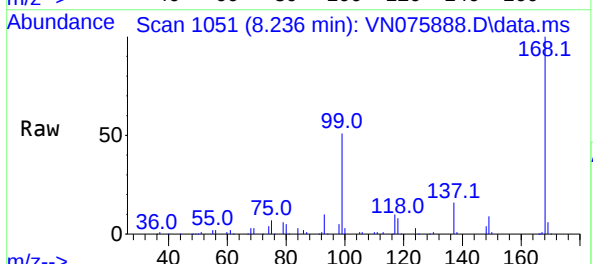
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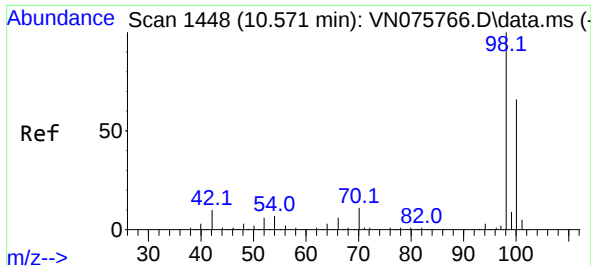
Tgt Ion: 75 Resp: 27514
Ion Ratio Lower Upper
75 100
110 9.9 18.8 56.4#
77 0.0 24.1 36.1#



#38
Carbon Tetrachloride
Concen: 6.634 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

Tgt Ion: 117 Resp: 35362
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.5 36.7#

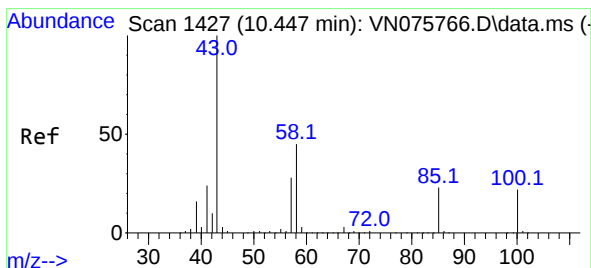
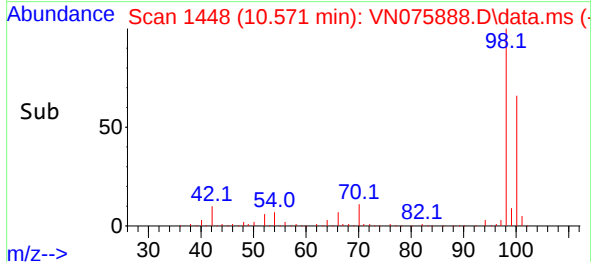
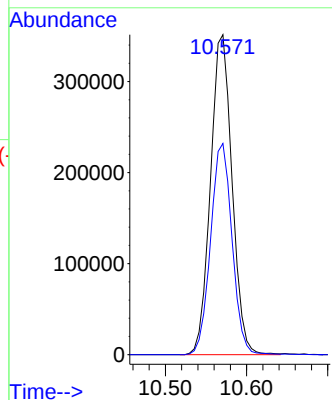
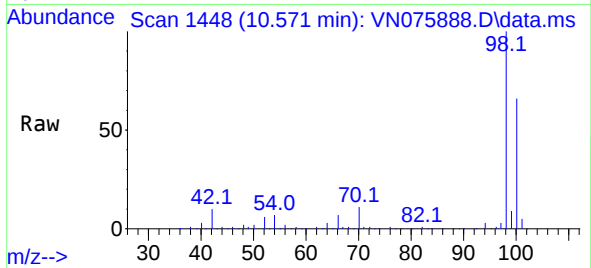




#50
Toluene-d8
Concen: 48.363 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

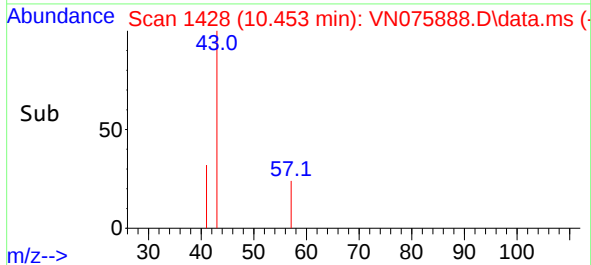
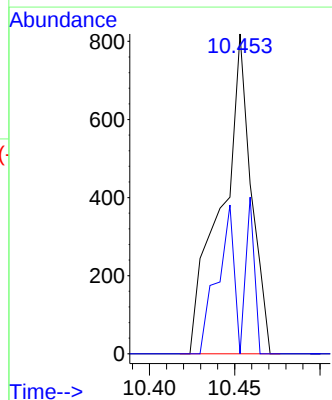
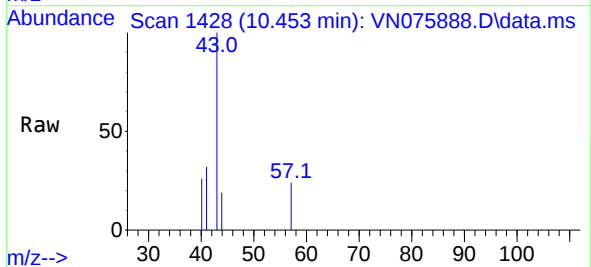
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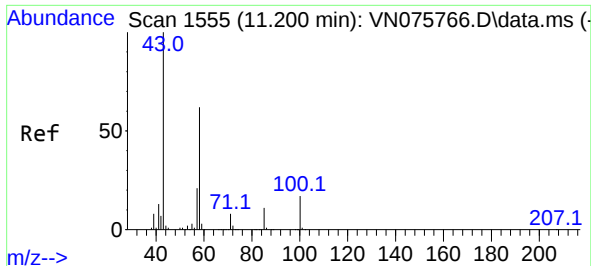
Tgt Ion: 98 Resp: 648250
Ion Ratio Lower Upper
98 100
100 65.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.260 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

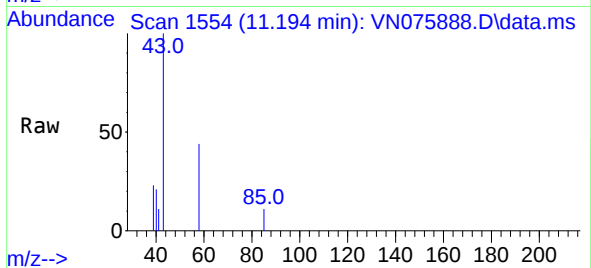
Tgt Ion: 43 Resp: 991
Ion Ratio Lower Upper
43 100
58 40.7 35.5 53.3



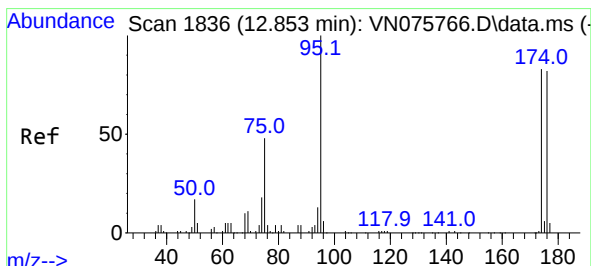
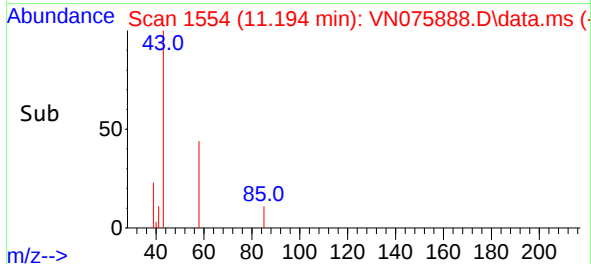
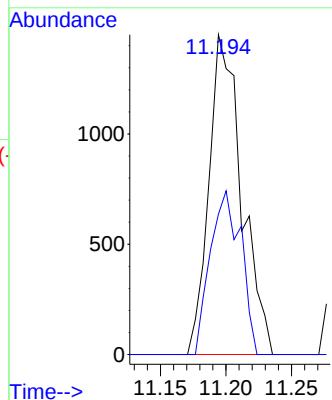


#59
2-Hexanone
Concen: 0.905 ug/l
RT: 11.194 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBL01

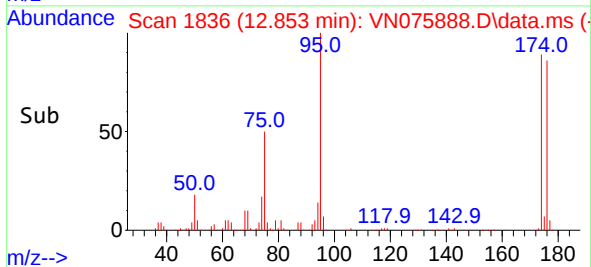
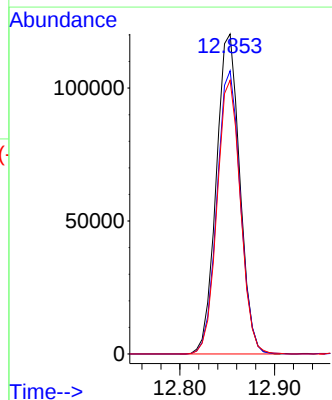
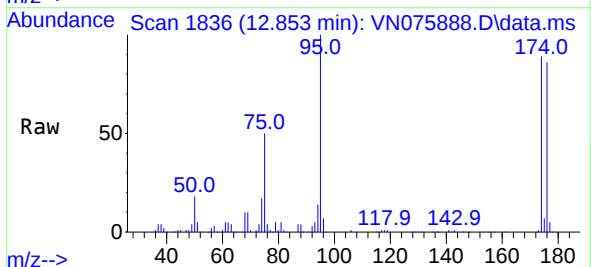


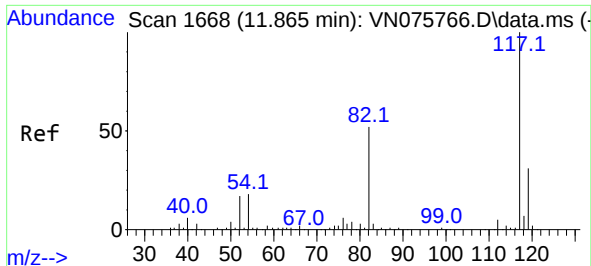
Tgt Ion: 43 Resp: 2519
Ion Ratio Lower Upper
43 100
58 47.8 30.6 92.0



#62
4-Bromofluorobenzene
Concen: 46.781 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

Tgt Ion: 95 Resp: 207683
Ion Ratio Lower Upper
95 100
174 87.9 0.0 171.6
176 84.8 0.0 169.2

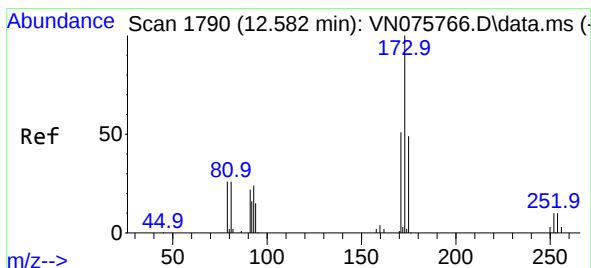
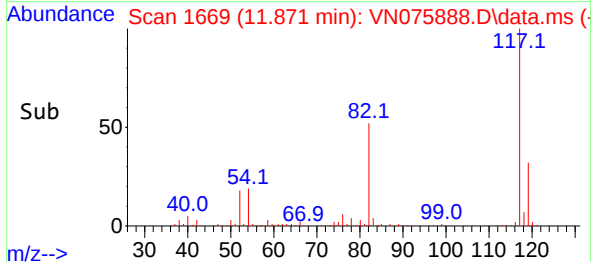
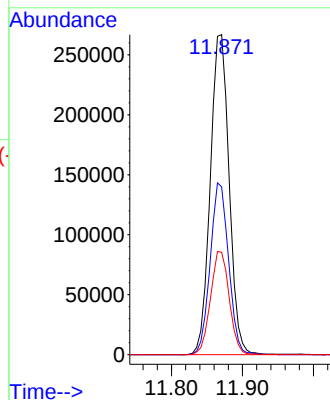
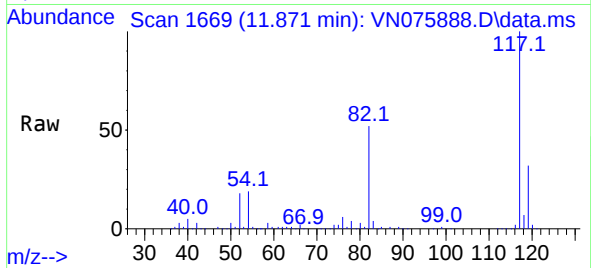




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

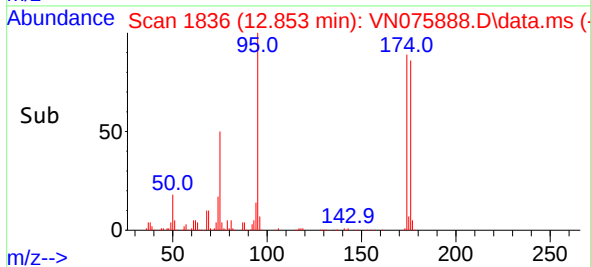
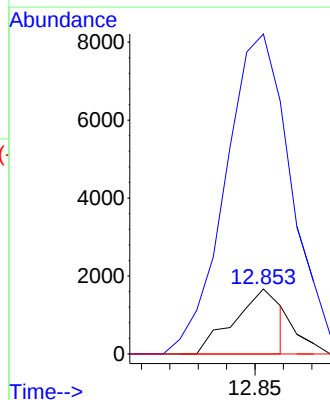
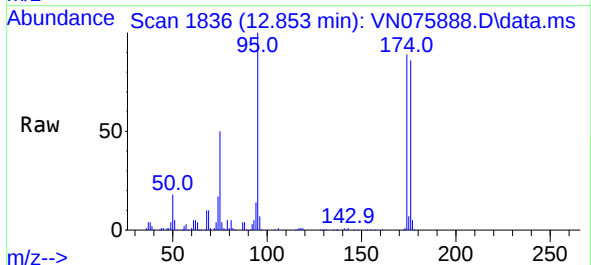
Instrument :
MSVOA_N
ClientSampleId :
VN1220MBL01

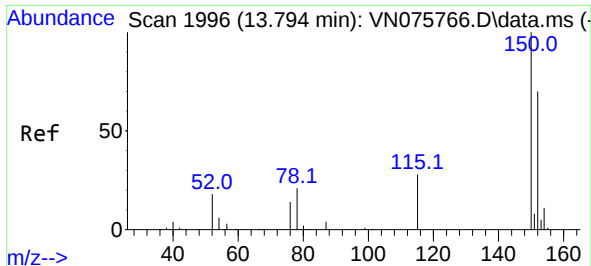
Tgt Ion:117 Resp: 491384
Ion Ratio Lower Upper
117 100
82 52.5 41.3 61.9
119 32.0 24.6 37.0



#71
Bromoform
Concen: 0.700 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

Tgt Ion:173 Resp: 1904
Ion Ratio Lower Upper
173 100
175 588.6 24.3 72.8#
254 0.0 0.0 0.0

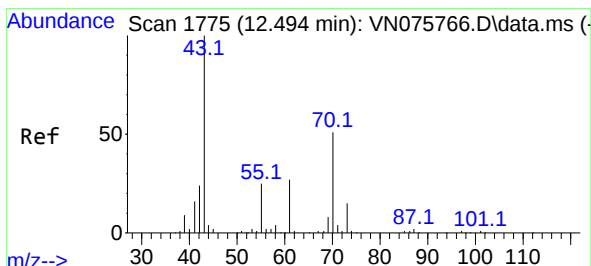
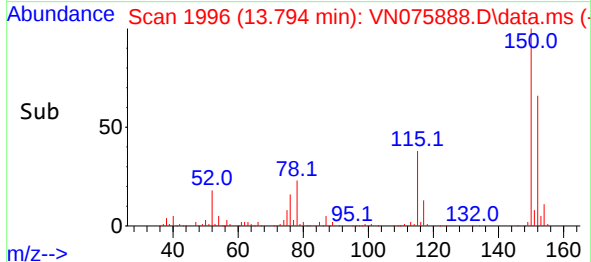
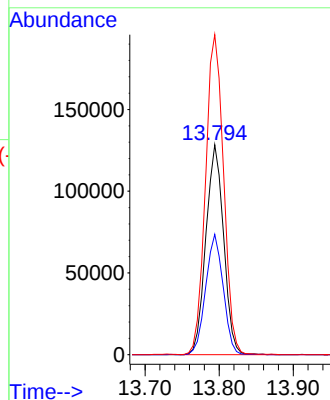
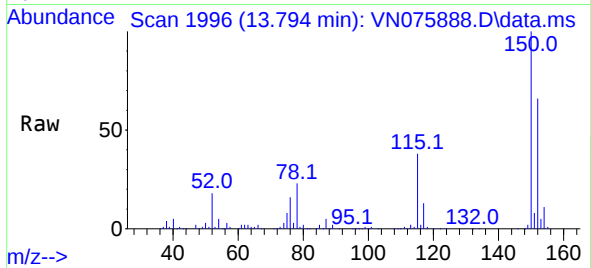




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

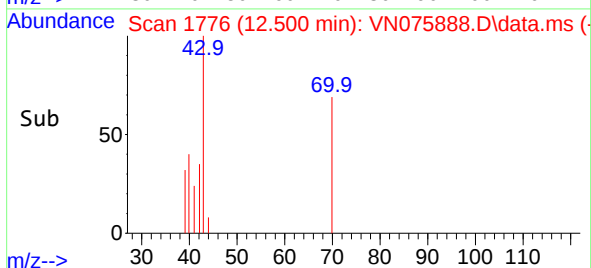
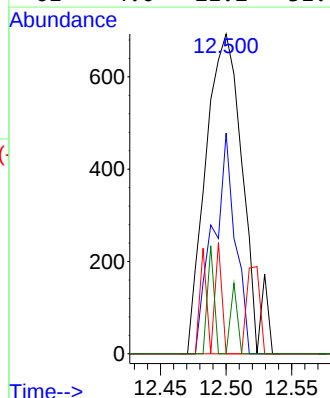
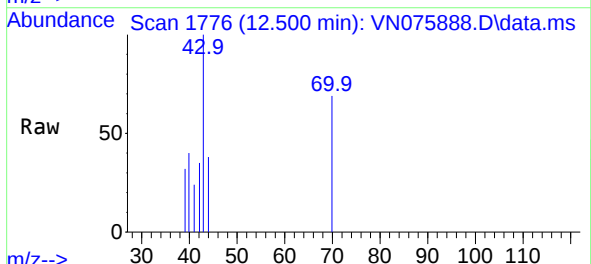
Instrument :
MSVOA_N
ClientSampleId :
VN1220MBL01

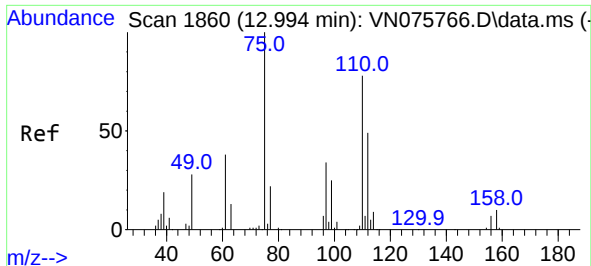
Tgt Ion:152 Resp: 213474
Ion Ratio Lower Upper
152 100
115 56.7 29.1 87.4
150 155.3 0.0 347.0



#74
N-ethyl acetate
Concen: 0.301 ug/l
RT: 12.500 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

Tgt Ion: 43 Resp: 1364
Ion Ratio Lower Upper
43 100
70 41.3 41.4 62.0#
55 12.2 21.3 31.9#
61 4.0 21.2 31.8#

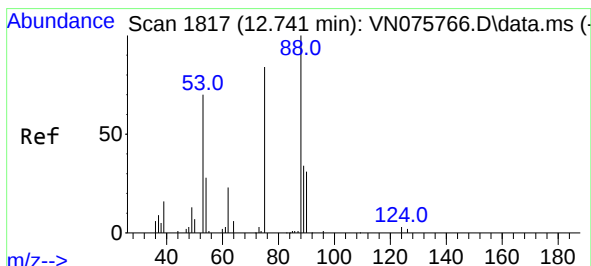
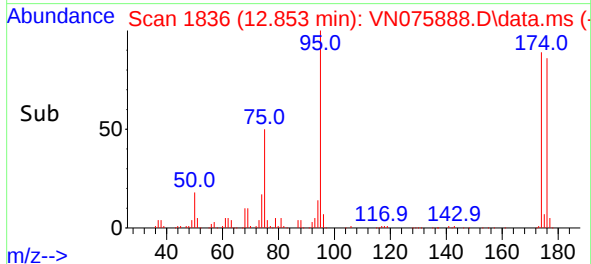
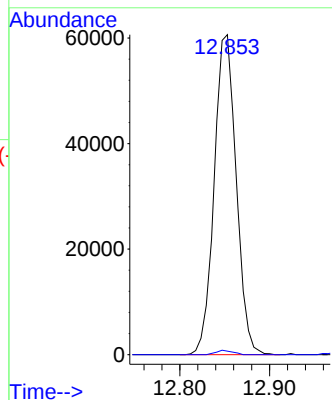
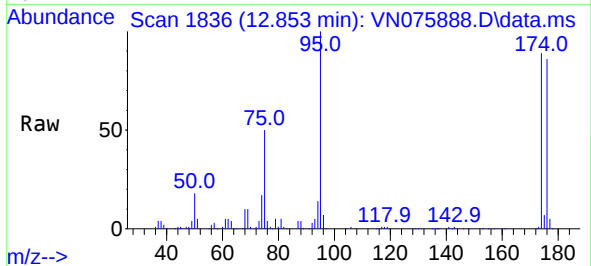




#76
1,2,3-Trichloropropane
Concen: 24.019 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

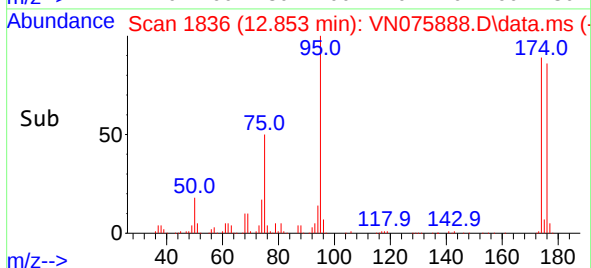
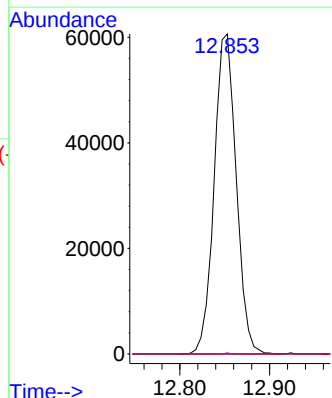
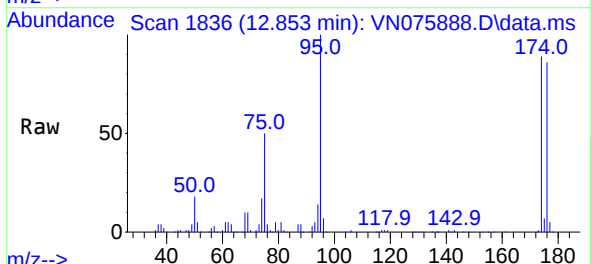
Instrument :
MSVOA_N
ClientSampleId :
VN1220MBL01

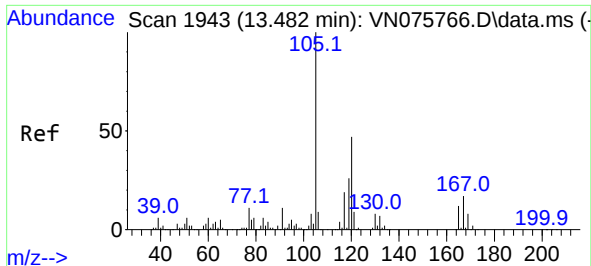
Tgt Ion: 75 Resp: 103357
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.457 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

Tgt Ion: 75 Resp: 103357
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.1 39.5 59.3#

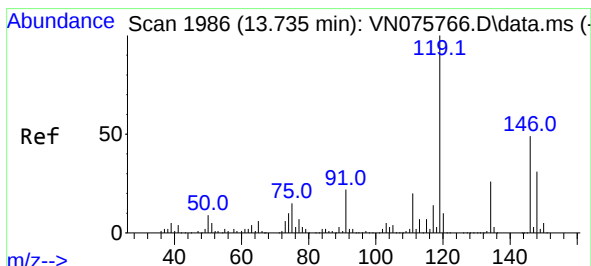
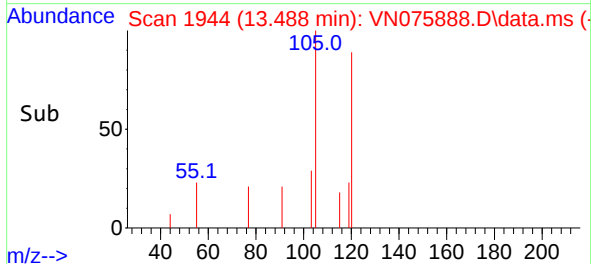
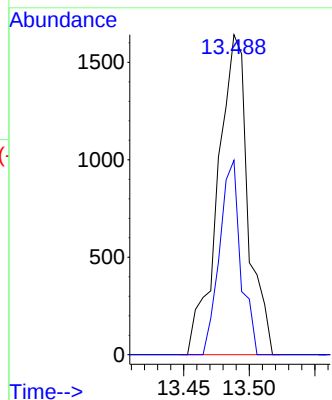
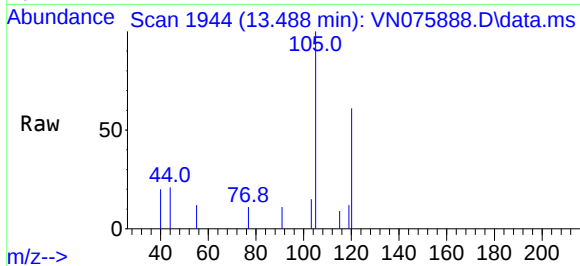




#84
1,2,4-Trimethylbenzene
Concen: 0.206 ug/l
RT: 13.488 min Scan# 1943
Delta R.T. 0.006 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

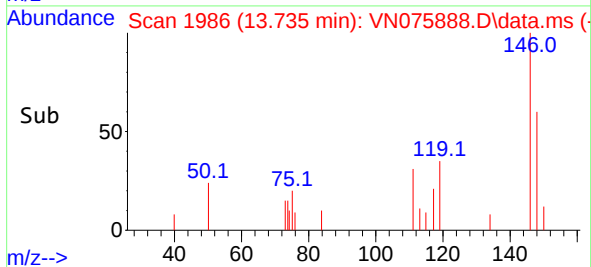
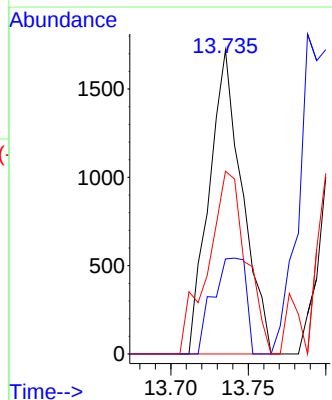
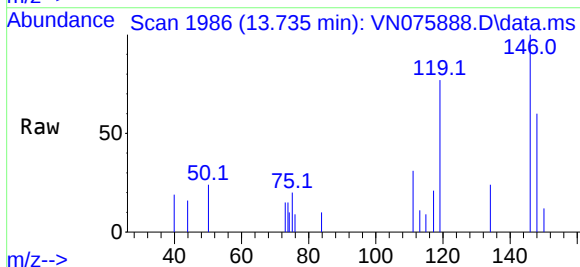
Instrument :
MSVOA_N
ClientSampleId :
VN1220MBL01

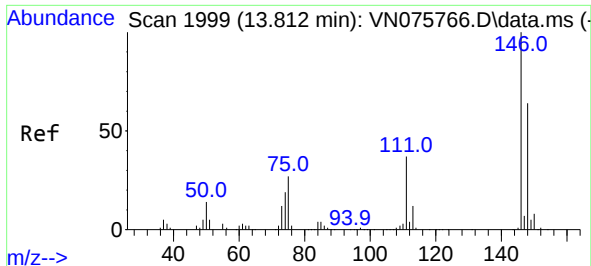
Tgt Ion:105 Resp: 2636
Ion Ratio Lower Upper
105 100
120 42.4 23.3 69.8



#87
1,3-Dichlorobenzene
Concen: 0.354 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

Tgt Ion:146 Resp: 2552
Ion Ratio Lower Upper
146 100
111 31.3 19.7 59.0
148 69.9 31.4 94.2

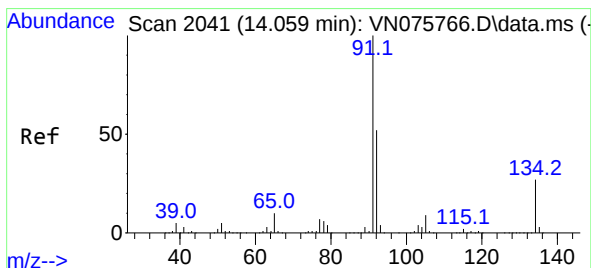
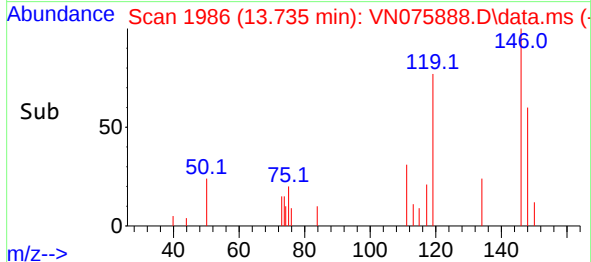
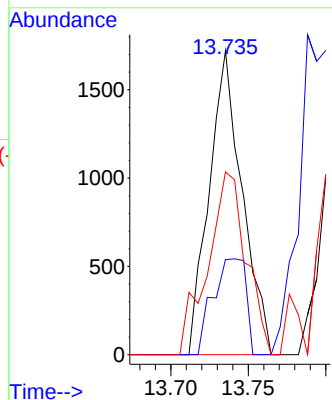
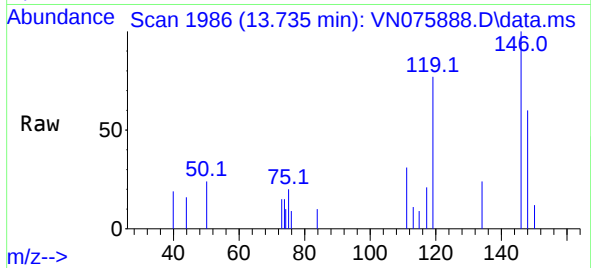




#88
1,4-Dichlorobenzene
Concen: 0.346 ug/l
RT: 13.735 min Scan# 1999
Delta R.T. -0.076 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

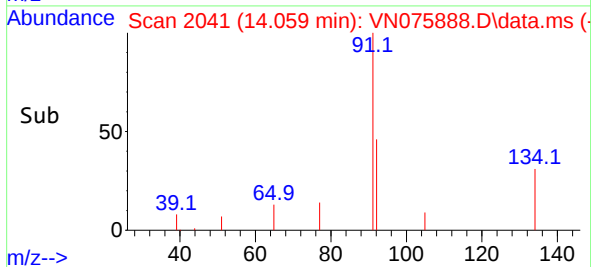
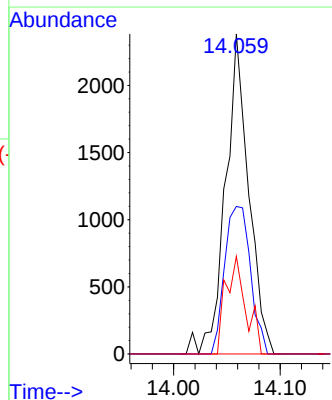
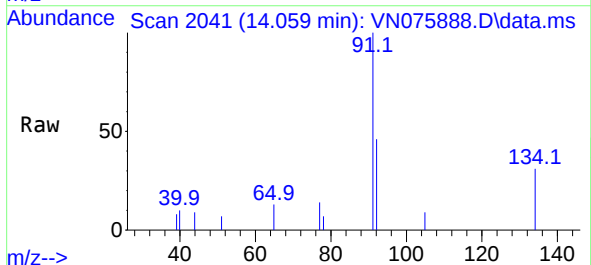
Instrument :
MSVOA_N
ClientSampleId :
VN1220MBL01

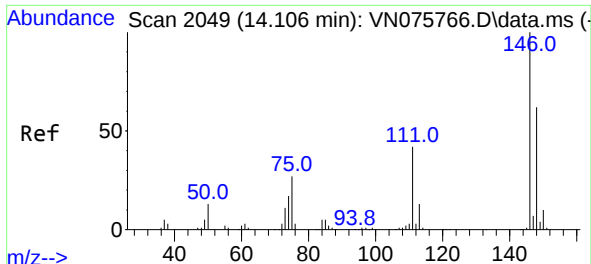
Tgt Ion:146 Resp: 2552
Ion Ratio Lower Upper
146 100
111 31.3 19.1 57.1
148 69.9 32.0 96.2



#89
n-Butylbenzene
Concen: 0.341 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

Tgt Ion: 91 Resp: 3614
Ion Ratio Lower Upper
91 100
92 51.1 26.4 79.2
134 26.4 13.4 40.2

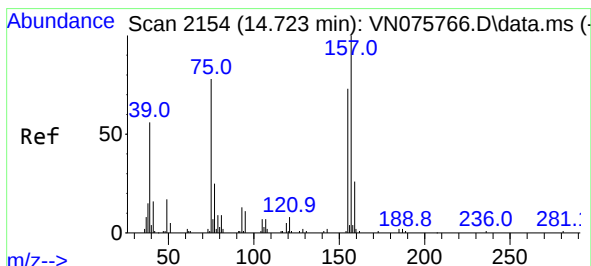
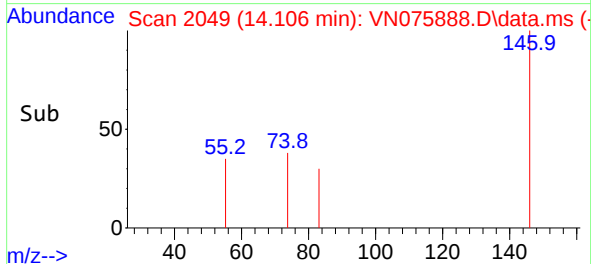
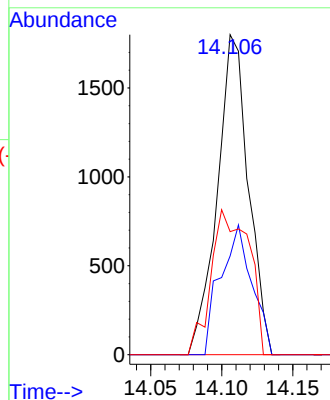
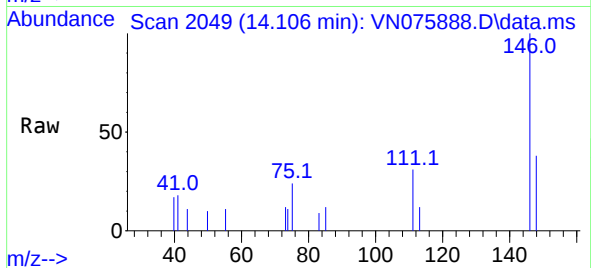




#91
1,2-Dichlorobenzene
Concen: 0.387 ug/l
RT: 14.106 min Scan# 2049
Delta R.T. 0.000 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

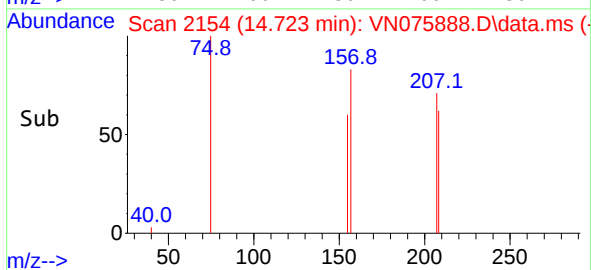
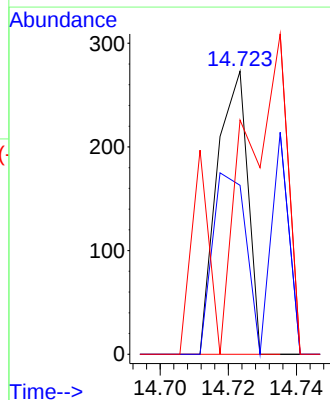
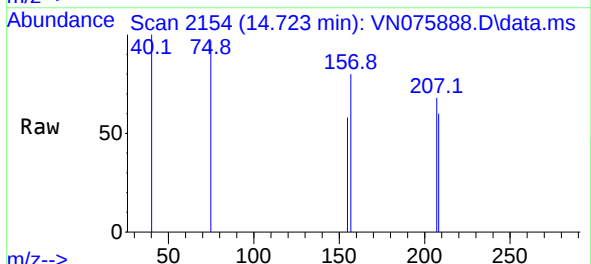
Instrument :
MSVOA_N
ClientSampleId :
VN1220MBL01

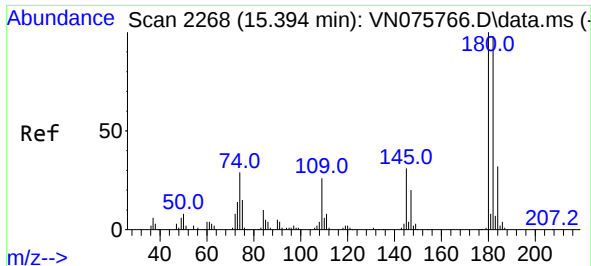
Tgt Ion:	146	Resp:	2752
Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	61.0
148	55.1	31.7	95.1



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.201 ug/l
RT: 14.723 min Scan# 2154
Delta R.T. 0.000 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

Tgt Ion:	75	Resp:	170
Ion	Ratio	Lower	Upper
75	100		
155	70.0	49.3	147.8
157	189.4	63.7	191.3

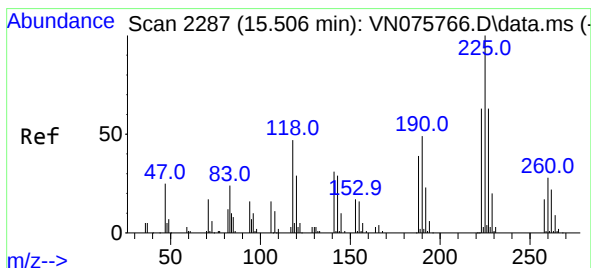
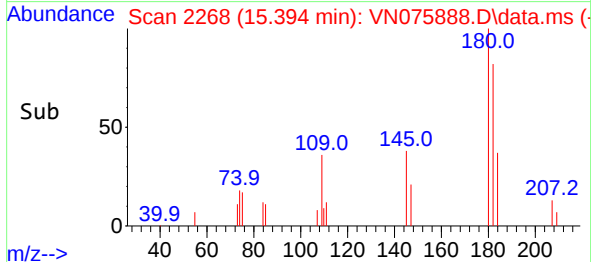
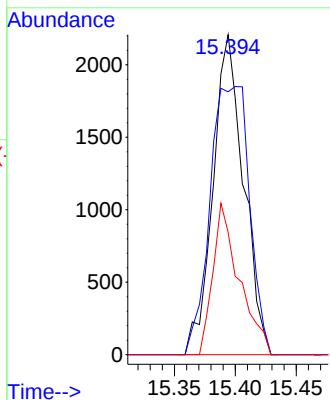
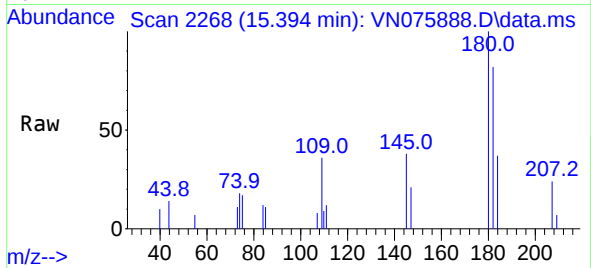




#93
1,2,4-Trichlorobenzene
Concen: 1.098 ug/l
RT: 15.394 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

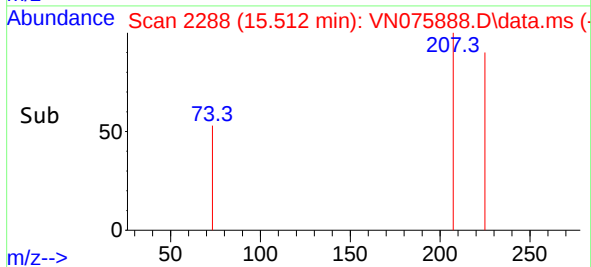
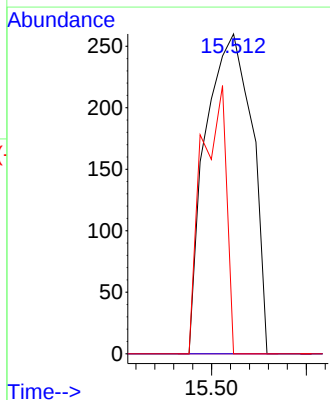
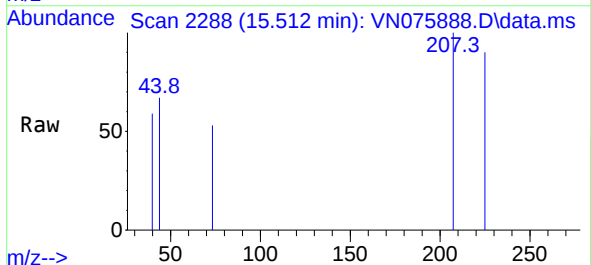
Instrument :
MSVOA_N
ClientSampleId :
VN1220MBL01

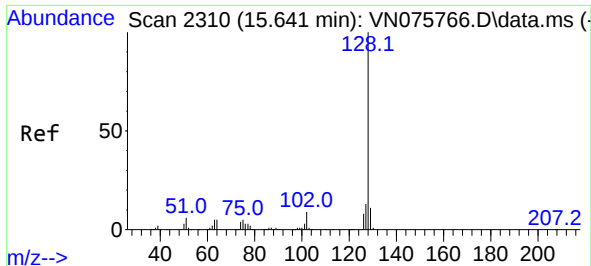
Tgt Ion:180 Resp: 3861
Ion Ratio Lower Upper
180 100
182 108.1 47.5 142.5
145 40.7 15.3 45.8



#94
Hexachlorobutadiene
Concen: 0.230 ug/l
RT: 15.512 min Scan# 2288
Delta R.T. 0.006 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

Tgt Ion:225 Resp: 442
Ion Ratio Lower Upper
225 100
223 0.0 31.5 94.5#
227 44.3 31.6 95.0

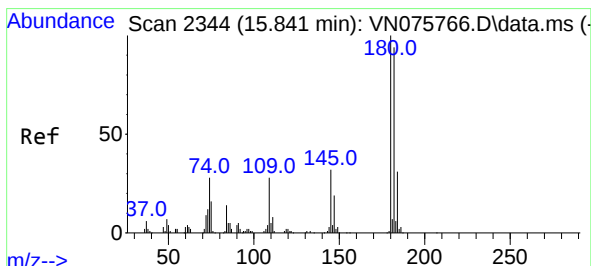
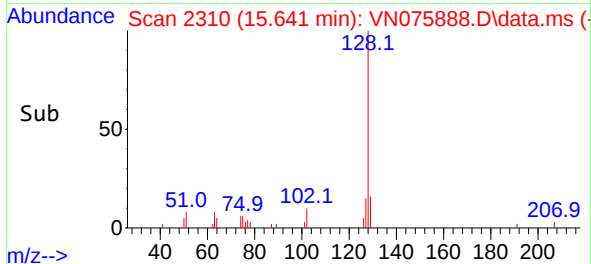
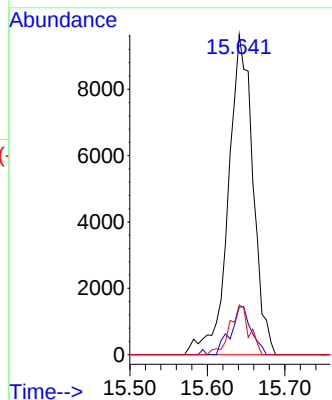
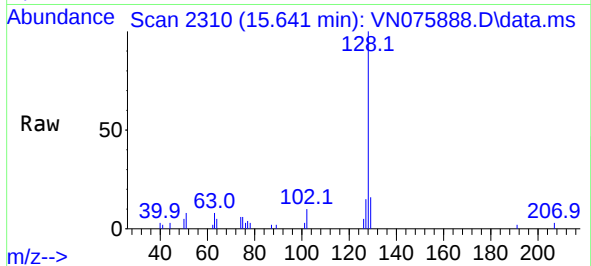




#95
Naphthalene
Concen: 3.936 ug/l
RT: 15.641 min Scan# 21356
Delta R.T. 0.000 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

Instrument :
MSVOA_N
ClientSampleId :
VN1220MBL01

Tgt Ion:	128	Resp:	21356
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.4	15.6
129	12.3	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.541 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. 0.000 min
Lab File: VN075888.D
Acq: 20 Dec 2022 10:48

Tgt Ion:	180	Resp:	5065
Ion	Ratio	Lower	Upper
180	100		
182	88.6	47.0	141.0
145	31.4	16.0	47.9

