

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111422\
 Data File : VN075258.D
 Acq On : 14 Nov 2022 11:50
 Operator : JC\MD
 Sample : VN1114MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114MBL01

Quant Time: Nov 15 03:50:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

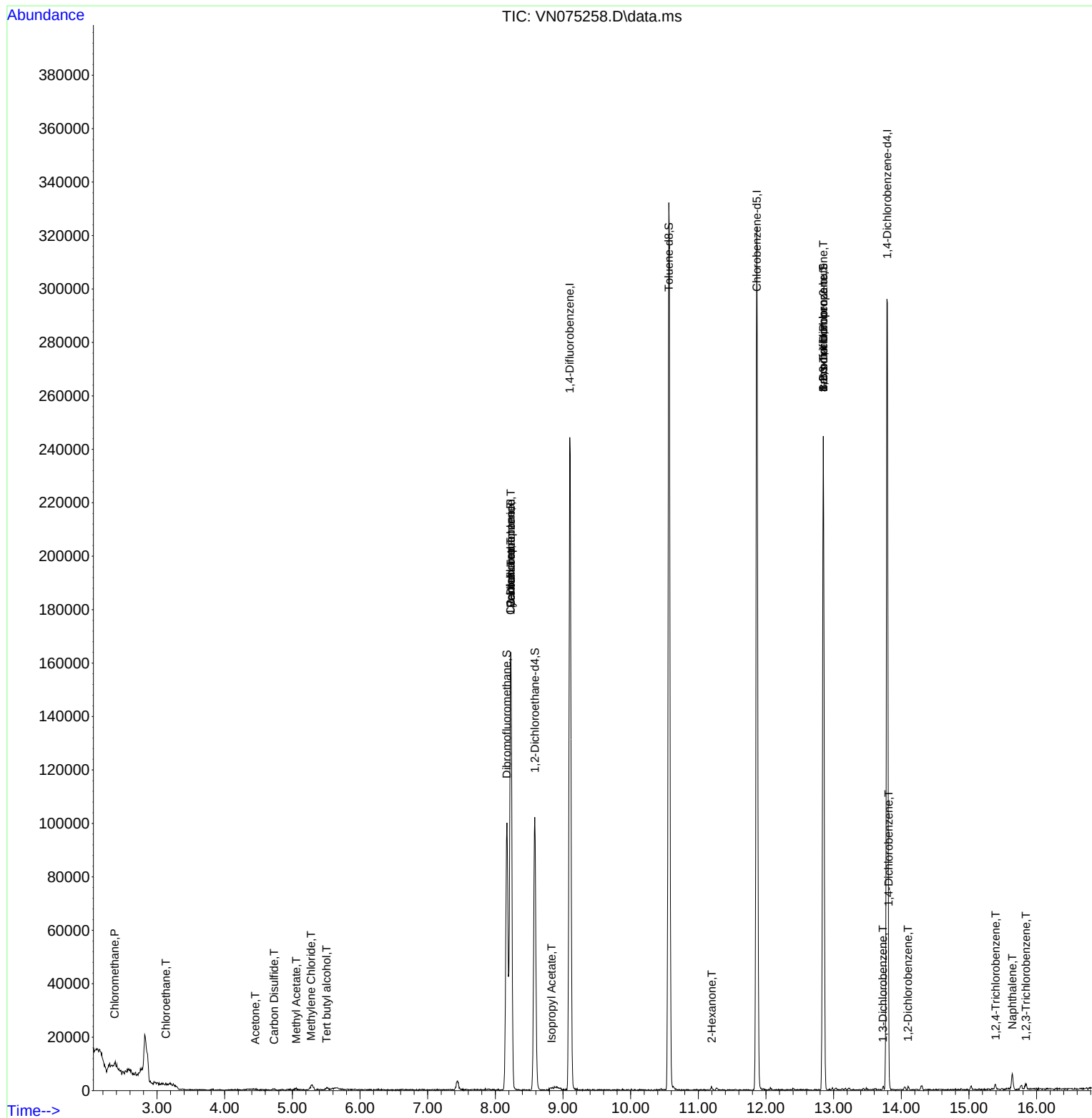
Internal Standards						
1) Pentafluorobenzene	8.230	168	120935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	214942	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	182967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	79283	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	83410	51.189	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.380%			
35) Dibromofluoromethane	8.171	113	72350	57.338	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.680%			
50) Toluene-d8	10.565	98	238791	48.778	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.560%			
62) 4-Bromofluorobenzene	12.847	95	84403	49.080	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.160%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	378	0.226	ug/l #	42
5) Bromomethane	2.965	94	618	Below Cal	#	53
6) Chloroethane	3.130	64	937	0.548	ug/l #	45
11) Tert butyl alcohol	5.506	59	405	1.066	ug/l #	72
16) Acetone	4.453	43	196	0.284	ug/l #	43
17) Carbon Disulfide	4.730	76	691	0.214	ug/l #	74
18) Methyl Acetate	5.059	43	743	0.330	ug/l #	61
20) Methylene Chloride	5.277	84	1620	1.053	ug/l #	72
31) Cyclohexane	8.224	56	2690	1.110	ug/l #	9
36) 1,1-Dichloropropene	8.224	75	10126	5.183	ug/l #	50
38) Carbon Tetrachloride	8.230	117	12900	6.003	ug/l #	15
43) Isopropyl Acetate	8.830	43	678	0.204	ug/l #	53
59) 2-Hexanone	11.200	43	852	0.523	ug/l	70
71) Bromoform	12.847	173	655	0.604	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.941	83	61	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.847	75	45102	26.792	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	45102	68.776	ug/l #	10
87) 1,3-Dichlorobenzene	13.729	146	803	0.293	ug/l #	61
88) 1,4-Dichlorobenzene	13.812	146	1110	0.409	ug/l #	17
91) 1,2-Dichlorobenzene	14.100	146	550	0.202	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	1028	0.876	ug/l #	74
95) Naphthalene	15.641	128	6295	1.394	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	1168	1.001	ug/l #	83

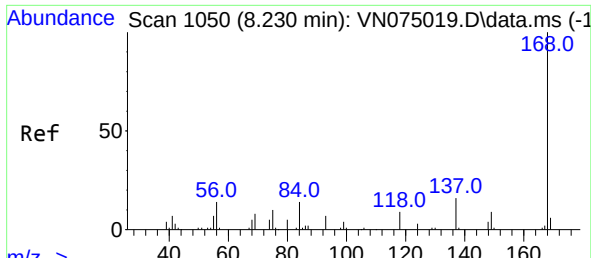
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : JC\MD
Sample : VN1114MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1114MBL01

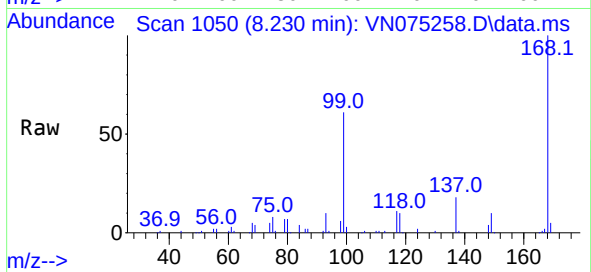
Quant Time: Nov 15 03:50:46 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration



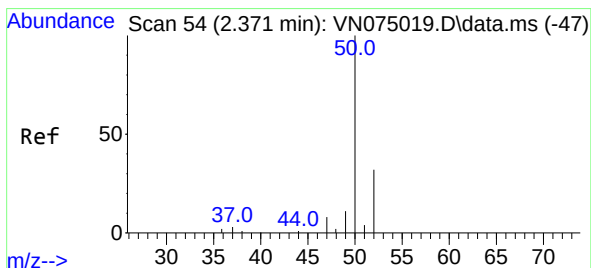
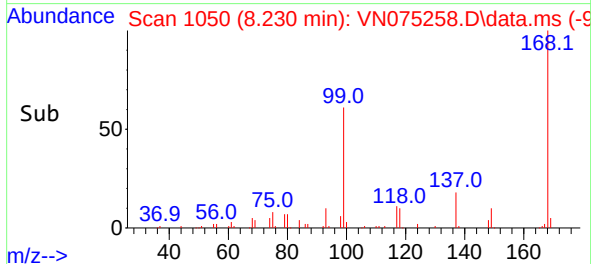
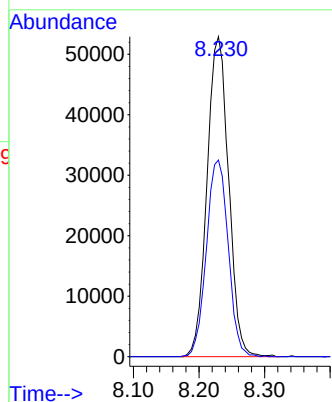


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1114MBL01

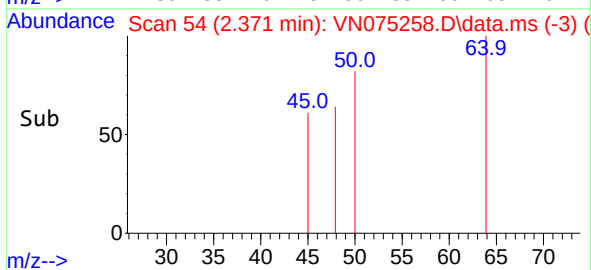
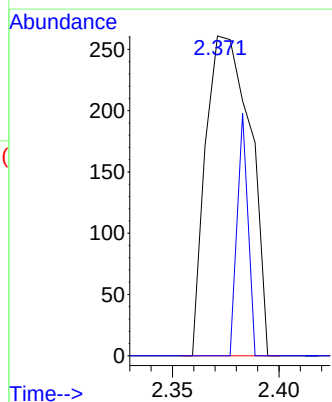
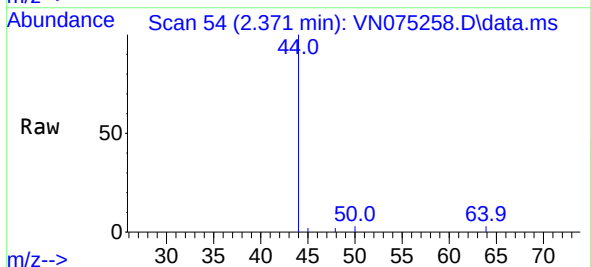


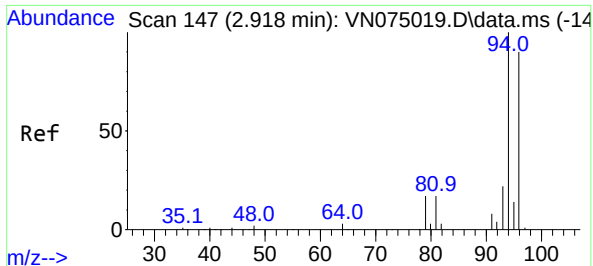
Tgt Ion:168 Resp: 120935
Ion Ratio Lower Upper
168 100
99 61.5 51.6 77.4



#3
Chloromethane
Concen: 0.226 ug/l
RT: 2.371 min Scan# 54
Delta R.T. 0.000 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

Tgt Ion: 50 Resp: 378
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

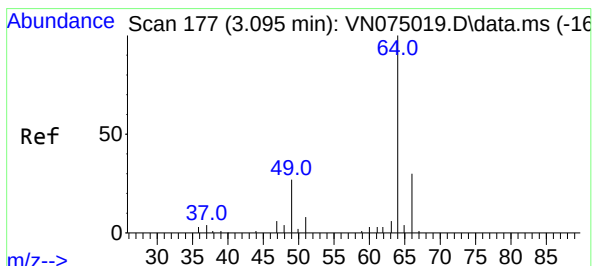
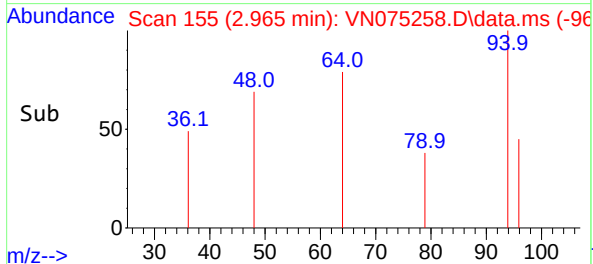
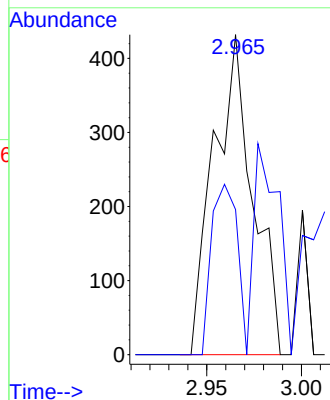
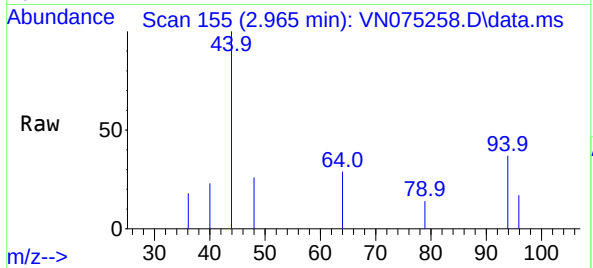




#5
Bromomethane
Concen: Below Cal
RT: 2.965 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

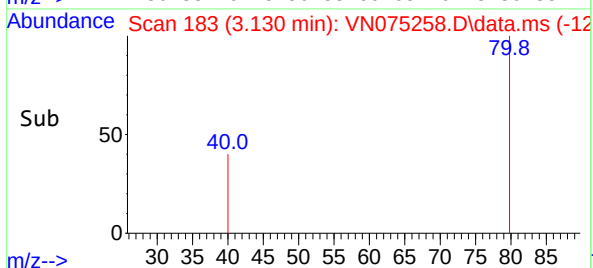
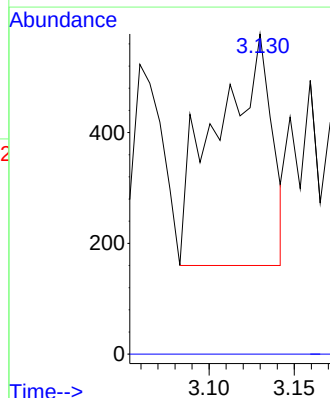
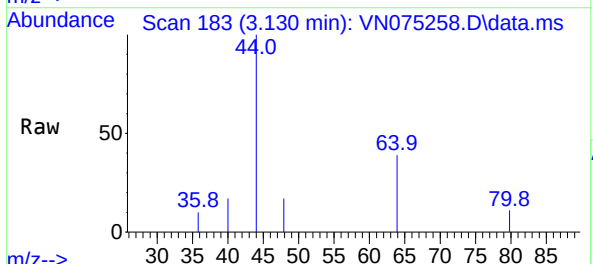
Instrument :
MSVOA_N
ClientSampleId :
VN1114MBL01

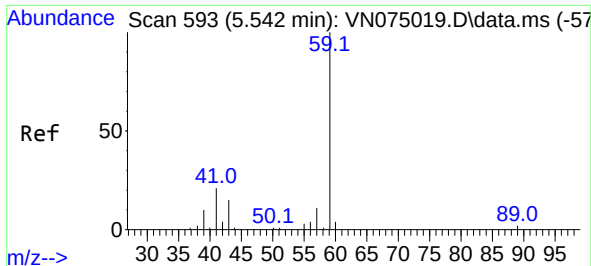
Tgt Ion: 94 Resp: 618
Ion Ratio Lower Upper
94 100
96 45.4 71.8 107.6#



#6
Chloroethane
Concen: 0.548 ug/l
RT: 3.130 min Scan# 183
Delta R.T. 0.035 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

Tgt Ion: 64 Resp: 937
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

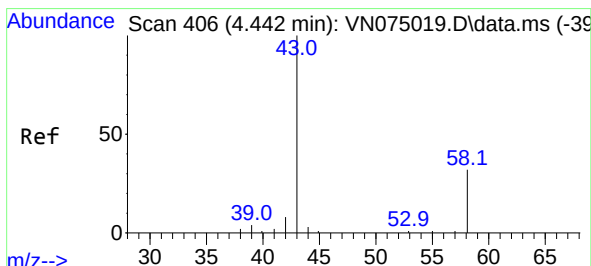
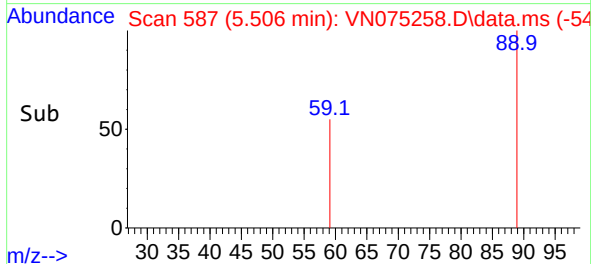
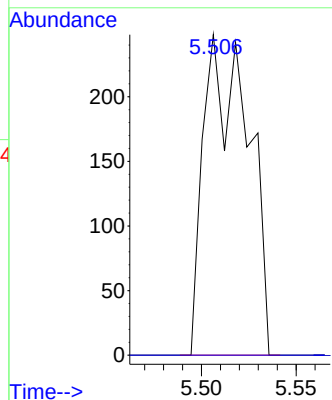
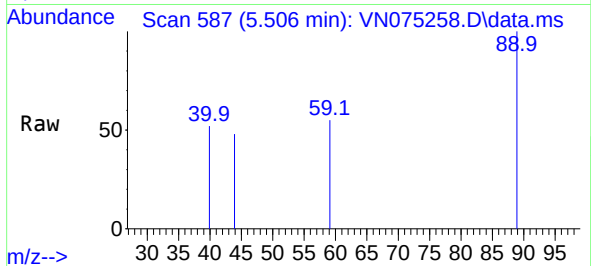




#11
Tert butyl alcohol
Concen: 1.066 ug/l
RT: 5.506 min Scan# 51
Delta R.T. -0.036 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

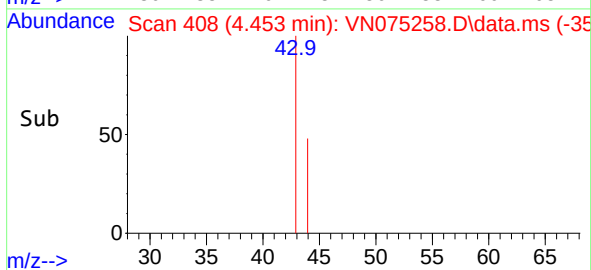
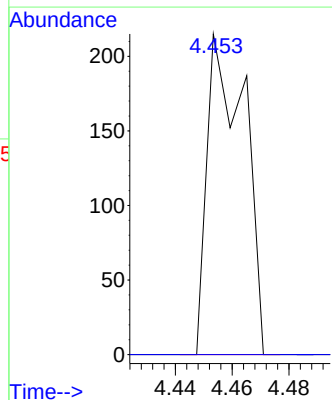
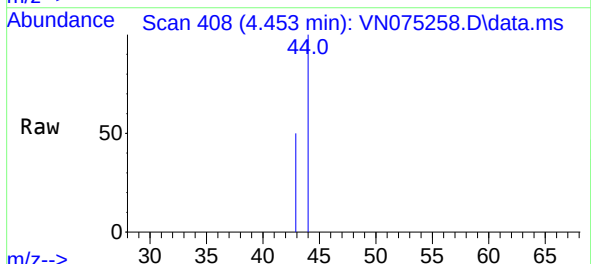
Instrument :
MSVOA_N
ClientSampleId :
VN1114MBL01

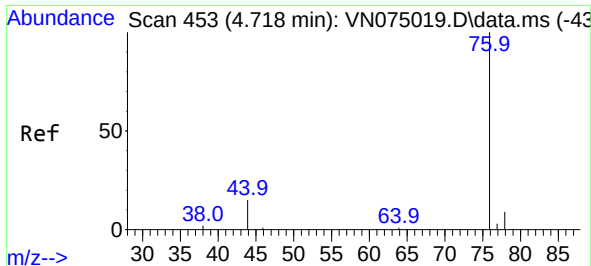
Tgt Ion: 59 Resp: 405
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 0.284 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.011 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

Tgt Ion: 43 Resp: 196
Ion Ratio Lower Upper
43 100
58 0.0 25.5 38.3#

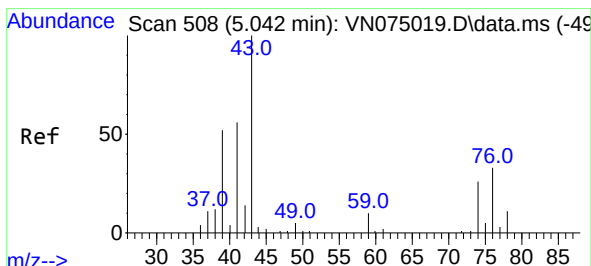
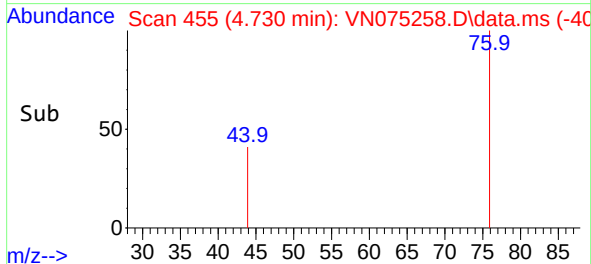
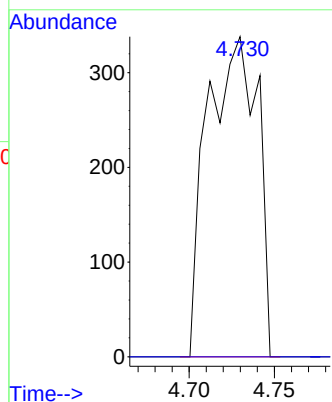
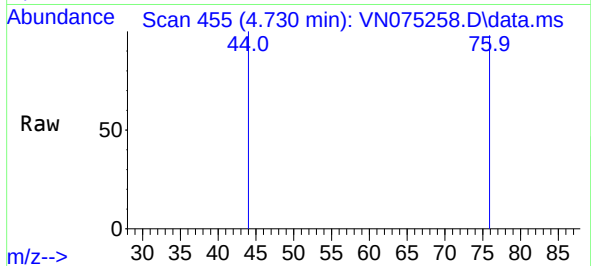




#17
Carbon Disulfide
Concen: 0.214 ug/l
RT: 4.730 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

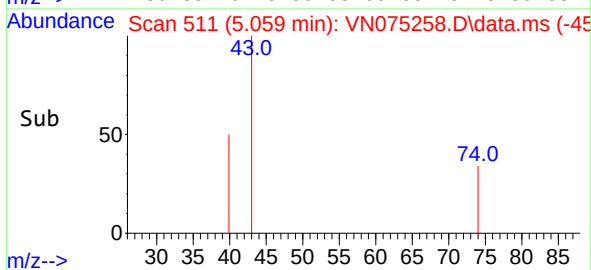
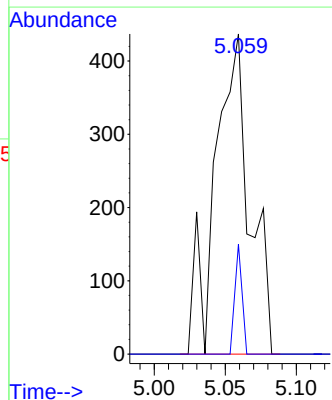
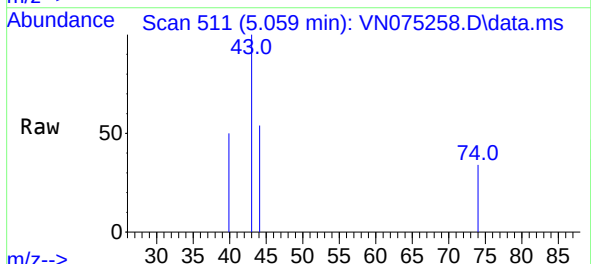
Instrument :
MSVOA_N
ClientSampleId :
VN1114MBL01

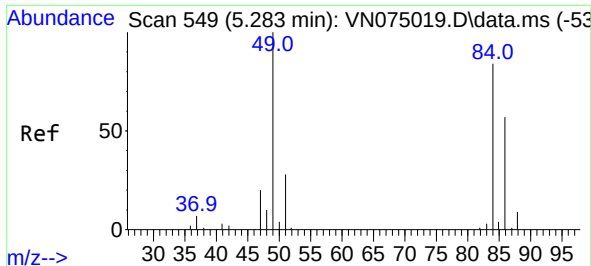
Tgt Ion: 76 Resp: 691
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#18
Methyl Acetate
Concen: 0.330 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.017 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

Tgt Ion: 43 Resp: 743
Ion Ratio Lower Upper
43 100
74 7.1 22.0 33.0#

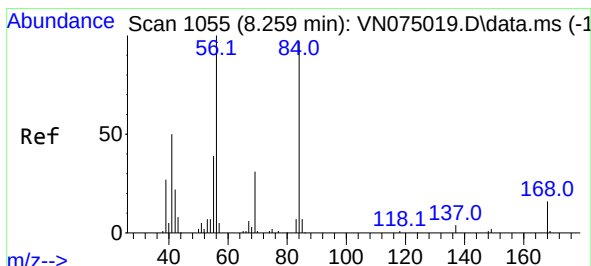
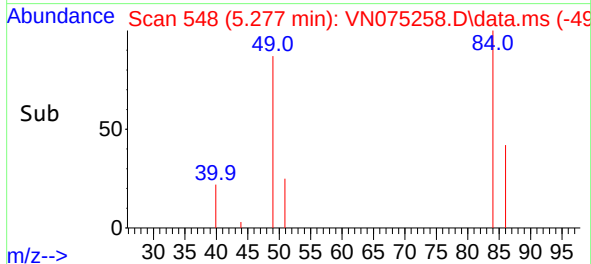
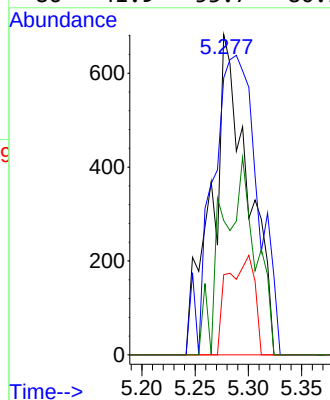
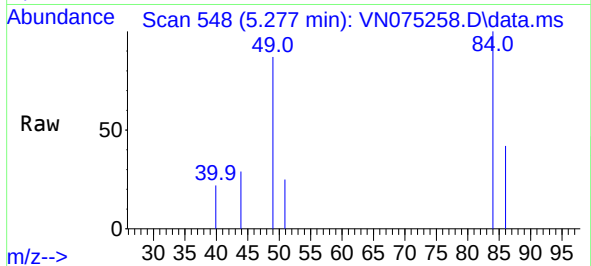




#20
Methylene Chloride
Concen: 1.053 ug/l
RT: 5.277 min Scan# 54
Delta R.T. -0.006 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

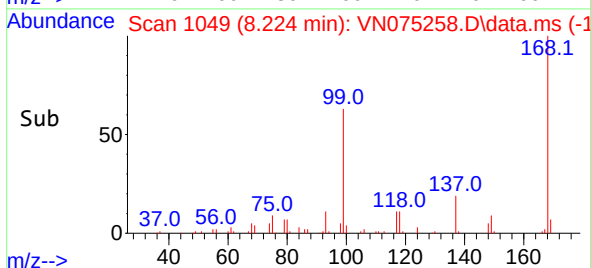
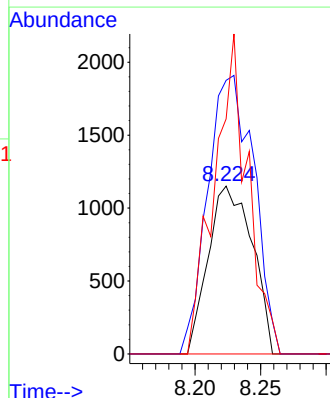
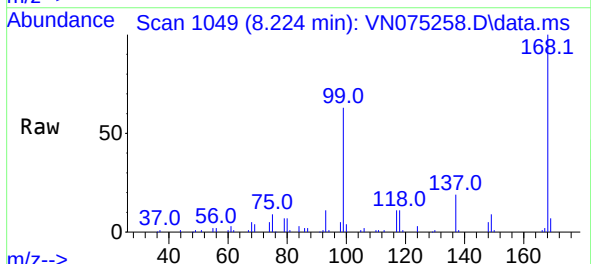
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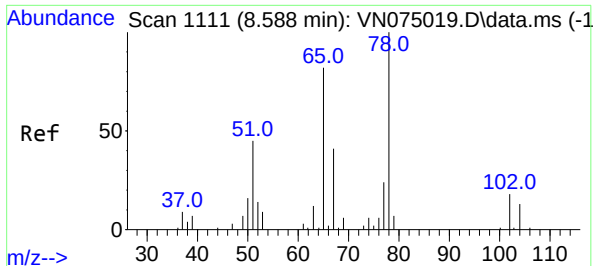
Tgt Ion:	84	Resp:	1620
Ion	Ratio	Lower	Upper
84	100		
49	86.5	94.9	142.3#
51	25.1	26.8	40.2#
86	41.9	53.7	80.5#



#31
Cyclohexane
Concen: 1.110 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

Tgt Ion:	56	Resp:	2690
Ion	Ratio	Lower	Upper
56	100		
69	163.0	25.2	37.8#
84	140.0	77.8	116.8#

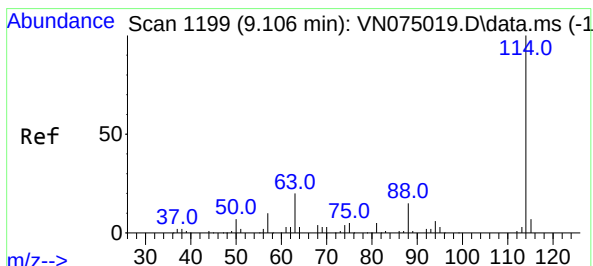
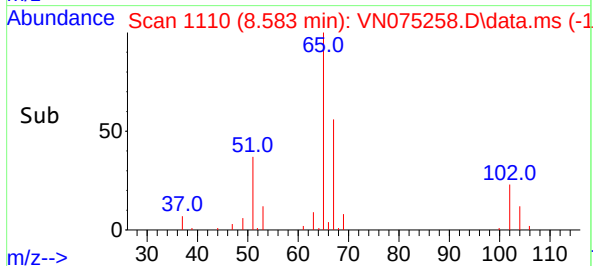
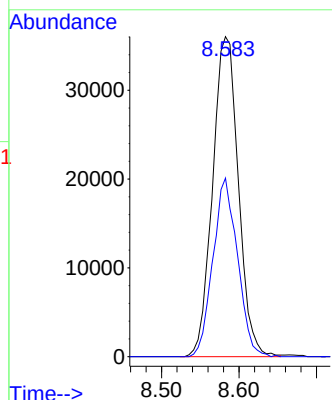
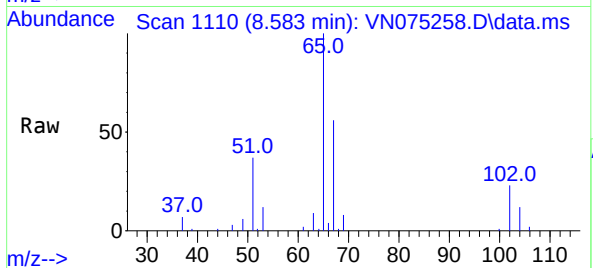




#33
1,2-Dichloroethane-d4
Concen: 51.189 ug/l
RT: 8.583 min Scan# 1111
Delta R.T. -0.005 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

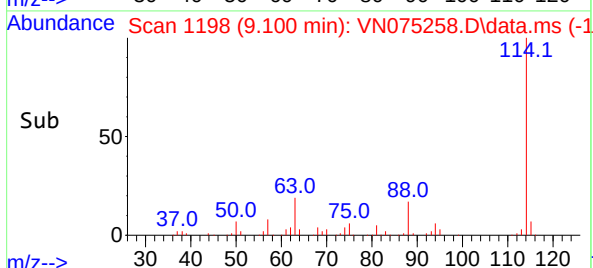
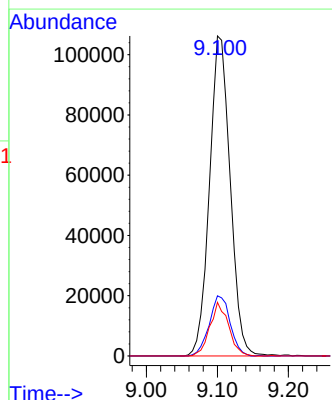
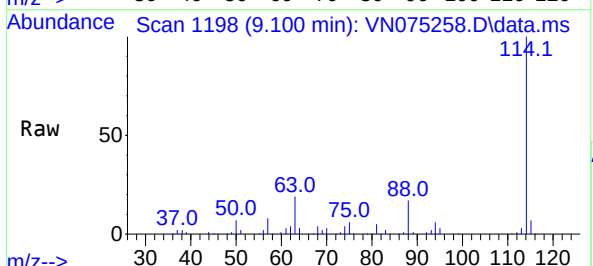
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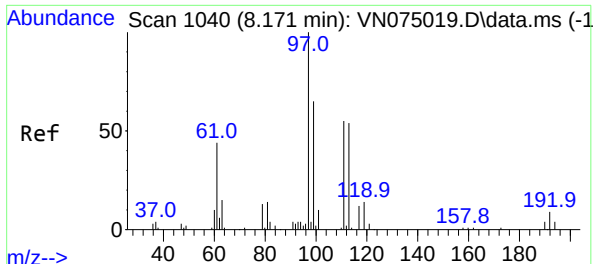
Tgt Ion: 65 Resp: 83410
Ion Ratio Lower Upper
65 100
67 53.2 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1198
Delta R.T. -0.006 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

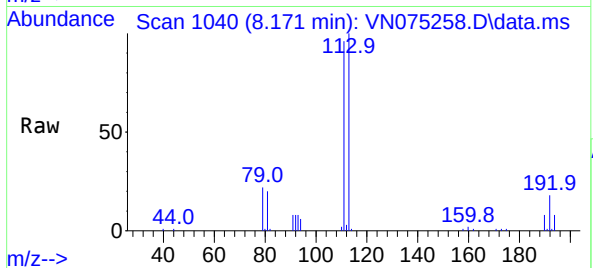
Tgt Ion: 114 Resp: 214942
Ion Ratio Lower Upper
114 100
63 18.8 0.0 39.6
88 16.7 0.0 29.0



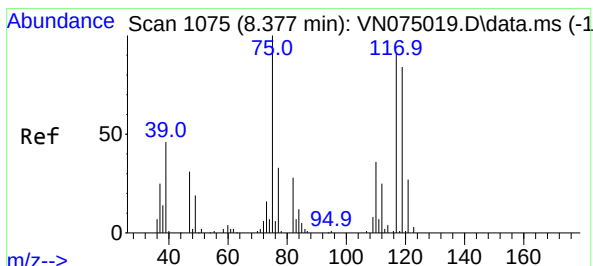
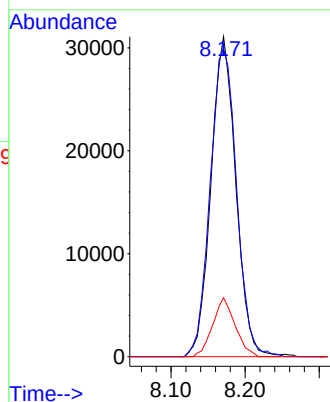
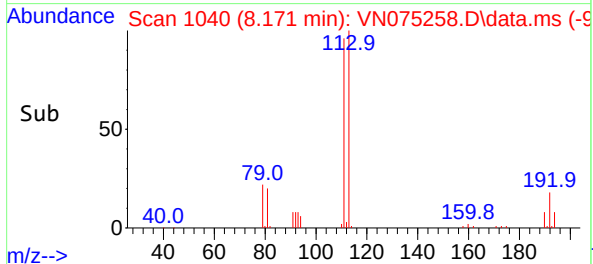


#35
Dibromofluoromethane
Concen: 57.338 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

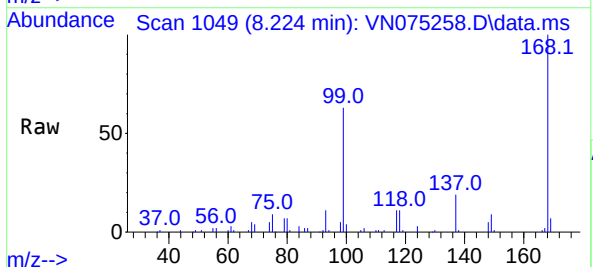
Instrument :
MSVOA_N
ClientSampleId :
VN1114MBL01



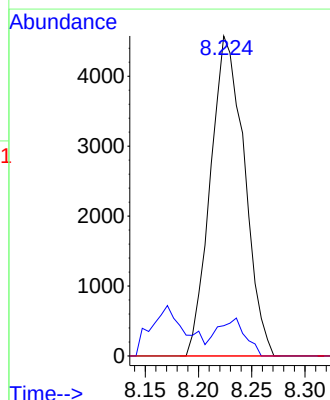
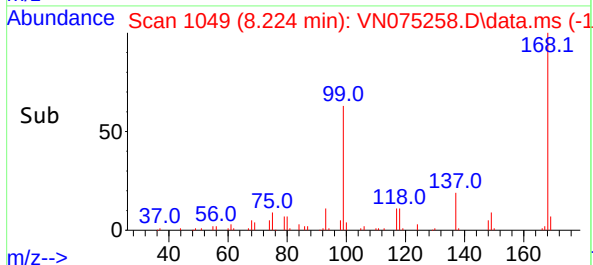
Tgt Ion:113 Resp: 72350
Ion Ratio Lower Upper
113 100
111 102.4 80.5 120.7
192 16.6 13.2 19.8

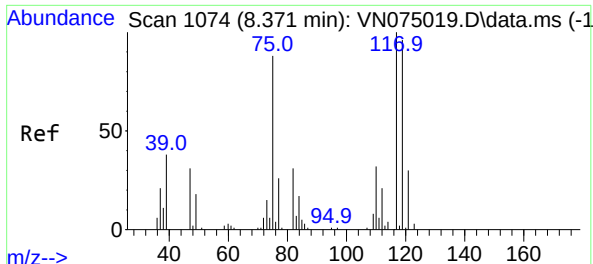


#36
1,1-Dichloropropene
Concen: 5.183 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.153 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50



Tgt Ion: 75 Resp: 10126
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.3#
77 0.0 24.6 37.0#

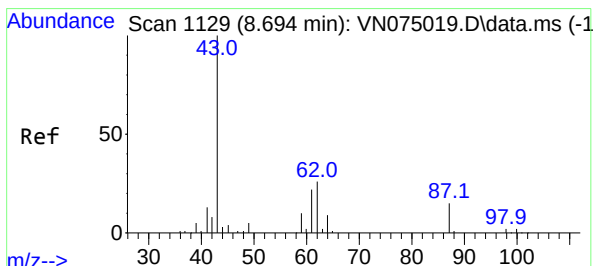
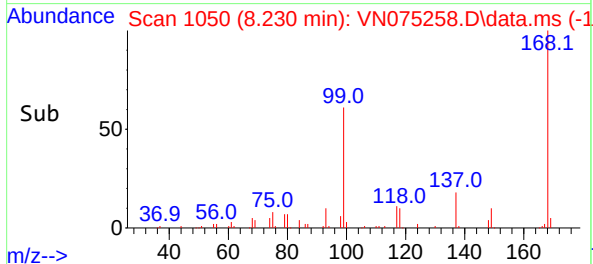
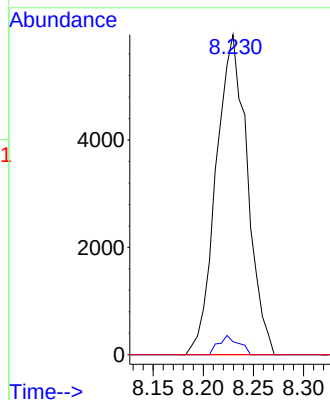
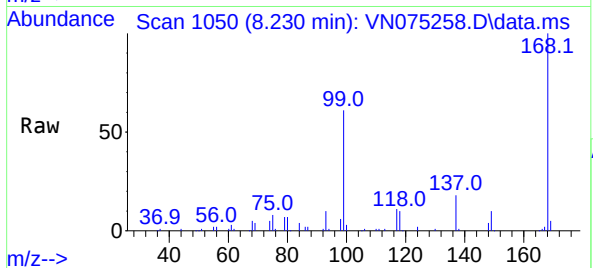




#38
Carbon Tetrachloride
Concen: 6.003 ug/l
RT: 8.230 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

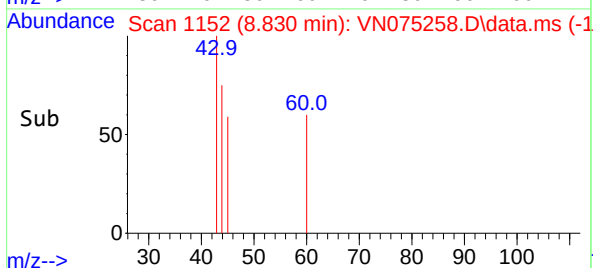
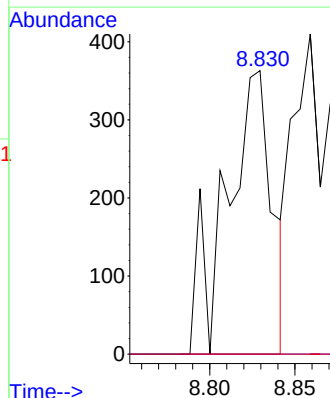
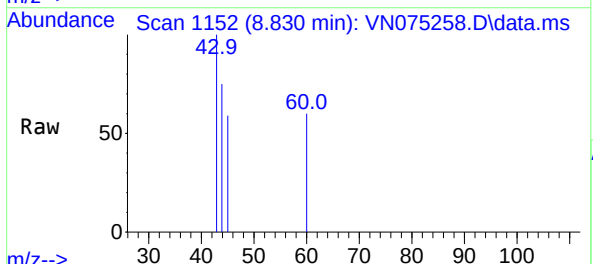
Instrument :
MSVOA_N
ClientSampleId :
VN1114MBL01

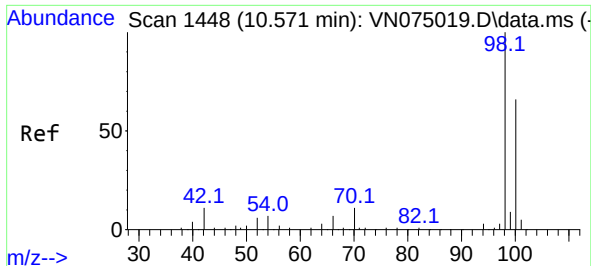
Tgt Ion:117 Resp: 12900
Ion Ratio Lower Upper
117 100
119 4.0 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 0.204 ug/l
RT: 8.830 min Scan# 1152
Delta R.T. 0.136 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

Tgt Ion: 43 Resp: 678
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 12.5 18.7#





#50

Toluene-d8

Concen: 48.778 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. -0.006 min

Lab File: VN075258.D

Acq: 14 Nov 2022 11:50

Instrument :

MSVOA_N

ClientSampleId :

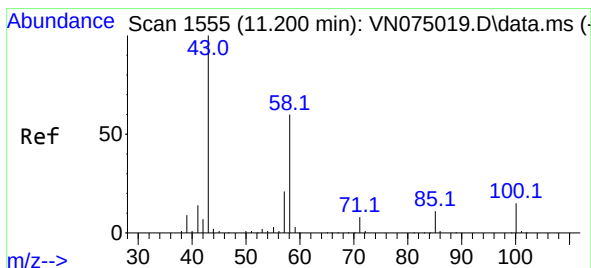
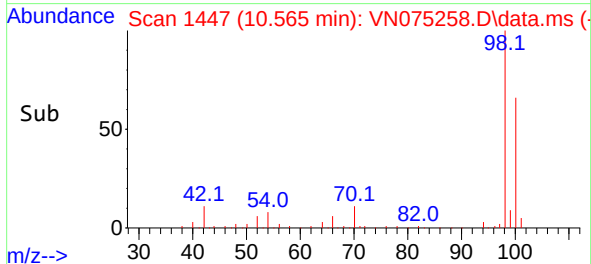
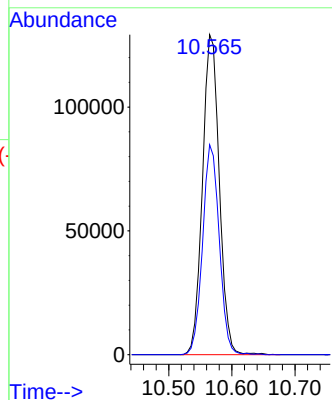
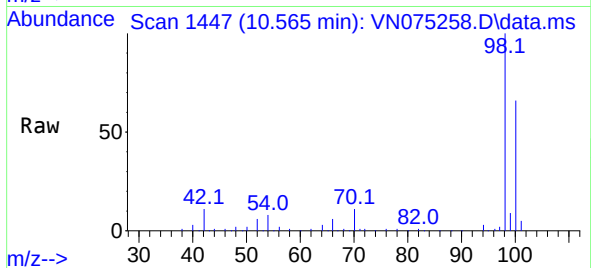
VN1114MBL01

Tgt Ion: 98 Resp: 238791

Ion Ratio Lower Upper

98 100

100 65.0 53.0 79.6



#59

2-Hexanone

Concen: 0.523 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN075258.D

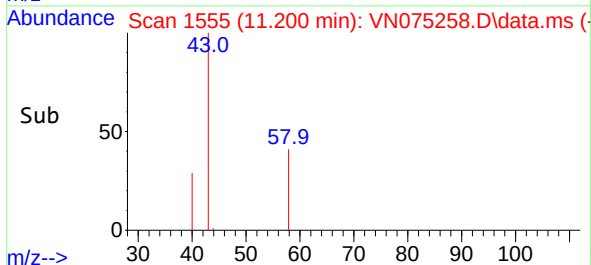
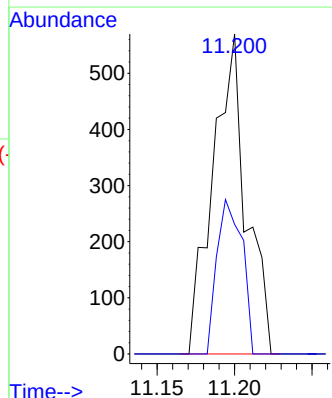
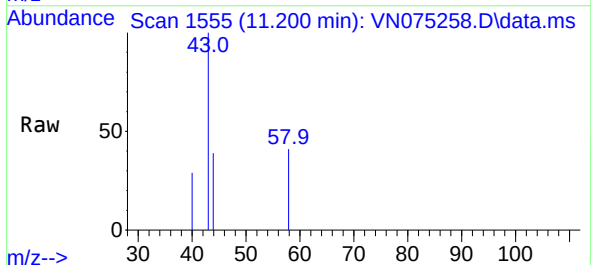
Acq: 14 Nov 2022 11:50

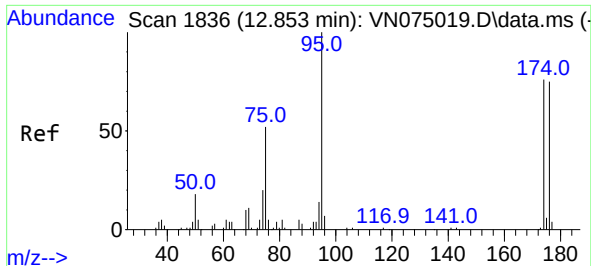
Tgt Ion: 43 Resp: 852

Ion Ratio Lower Upper

43 100

58 36.5 29.6 88.8

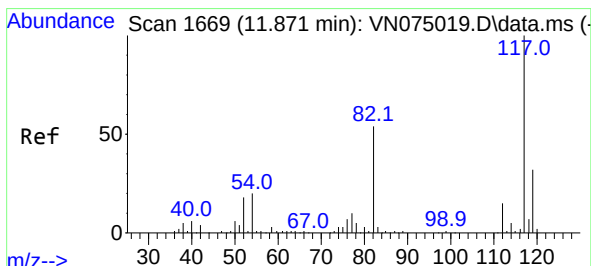
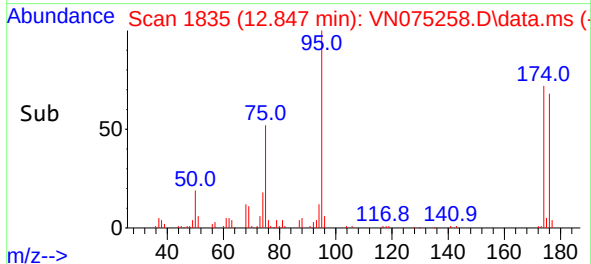
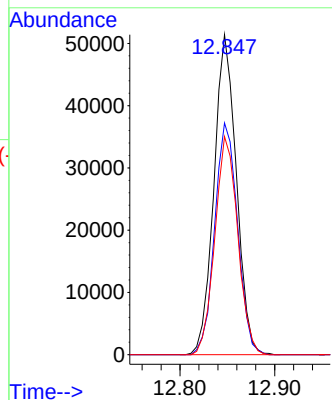
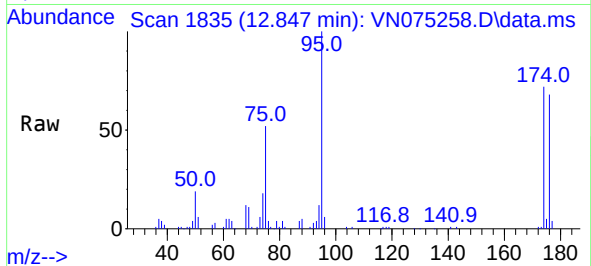




#62
4-Bromofluorobenzene
Concen: 49.080 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

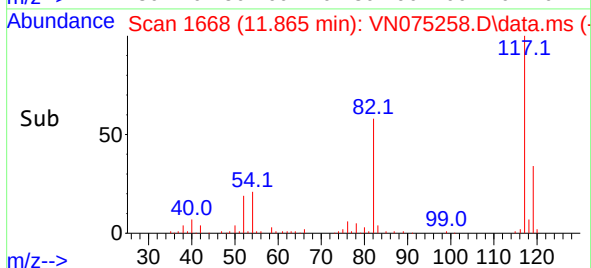
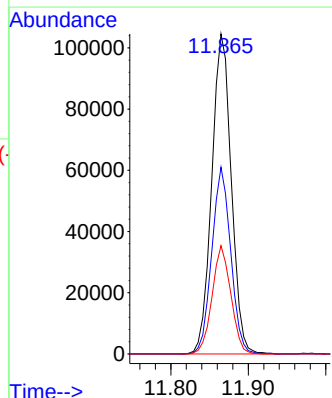
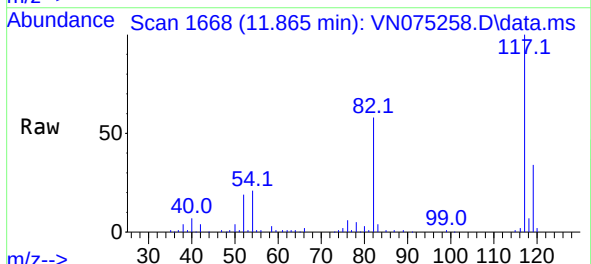
Instrument :
MSVOA_N
ClientSampleId :
VN1114MBL01

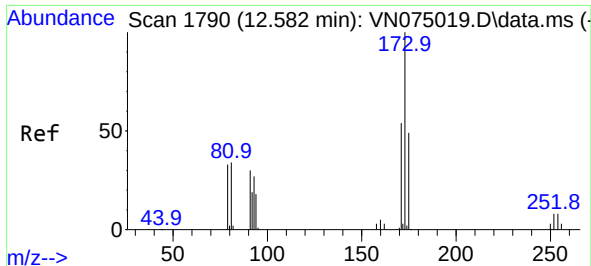
Tgt Ion: 95 Resp: 84403
Ion Ratio Lower Upper
95 100
174 74.1 0.0 147.4
176 69.7 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

Tgt Ion: 117 Resp: 182967
Ion Ratio Lower Upper
117 100
82 58.3 43.1 64.7
119 33.9 25.5 38.3

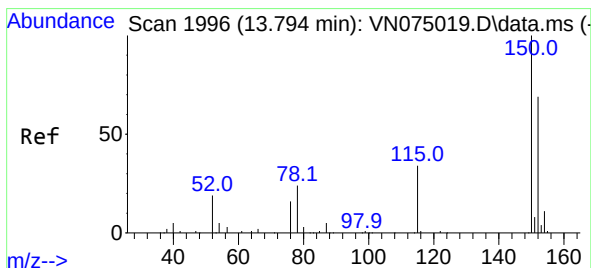
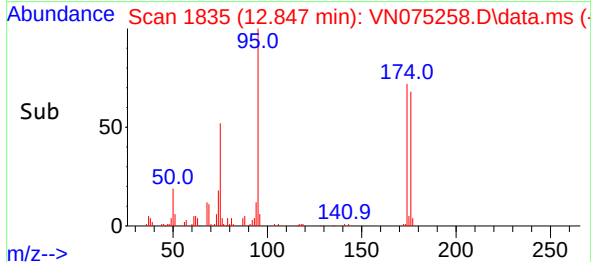
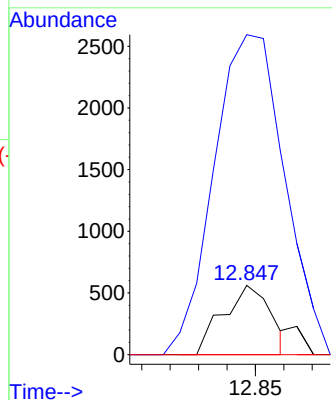
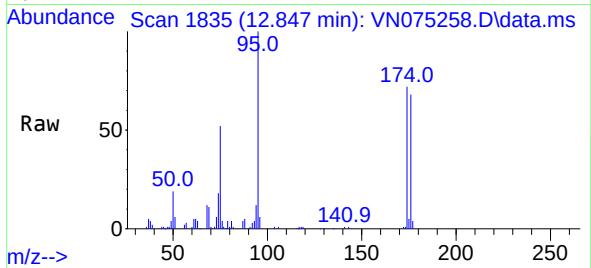




#71
Bromoform
Concen: 0.604 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

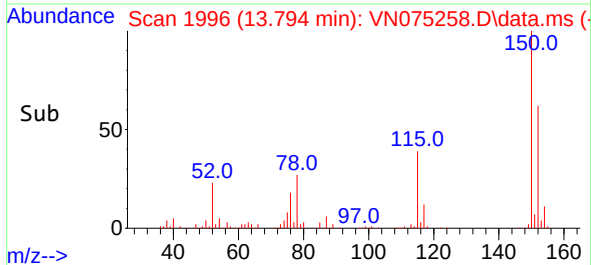
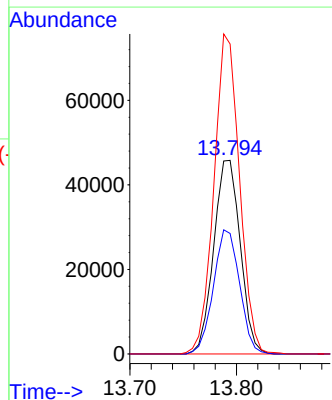
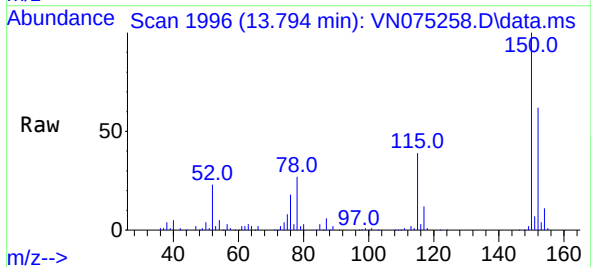
Instrument :
MSVOA_N
ClientSampleId :
VN1114MBL01

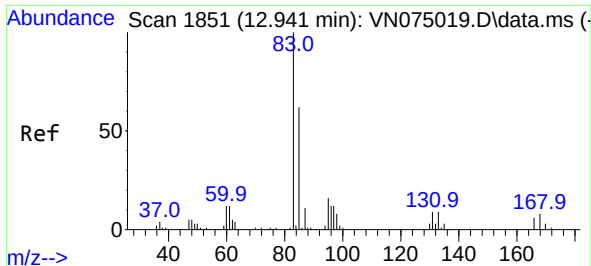
Tgt Ion:173 Resp: 655
Ion Ratio Lower Upper
173 100
175 614.7 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

Tgt Ion:152 Resp: 79283
Ion Ratio Lower Upper
152 100
115 63.2 30.2 90.6
150 159.0 0.0 348.4

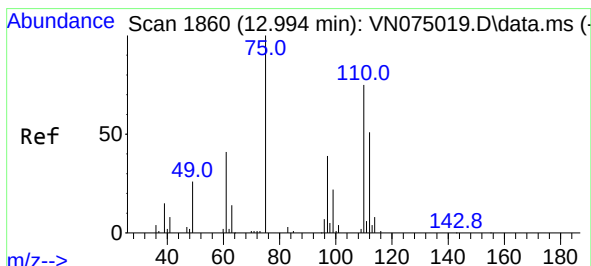
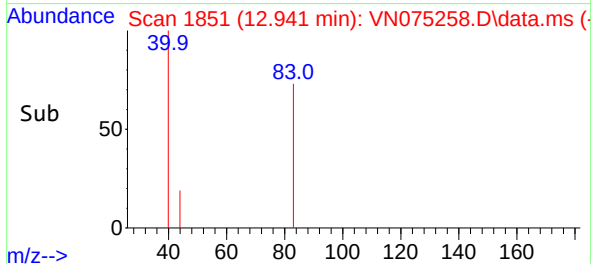
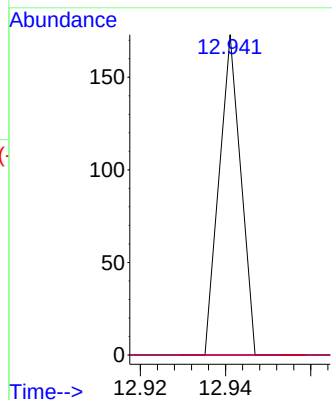
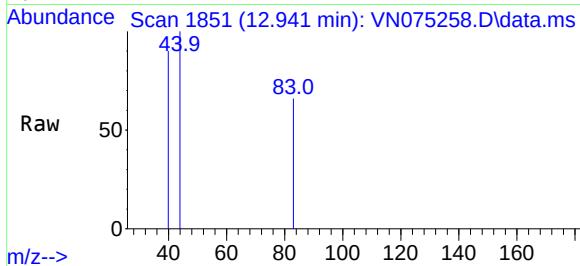




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.941 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

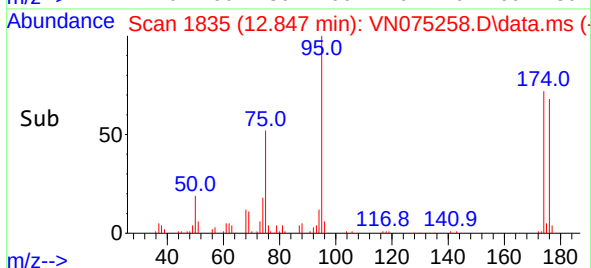
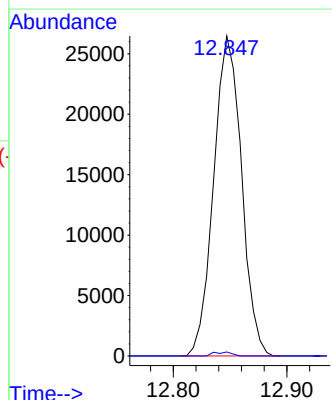
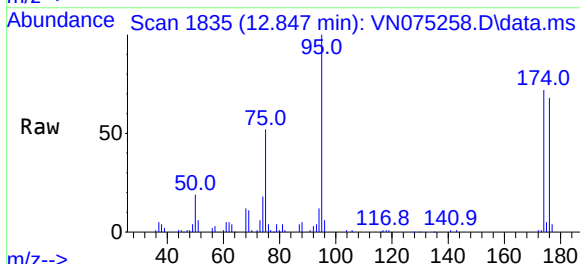
Instrument :
MSVOA_N
ClientSampleId :
VN1114MBL01

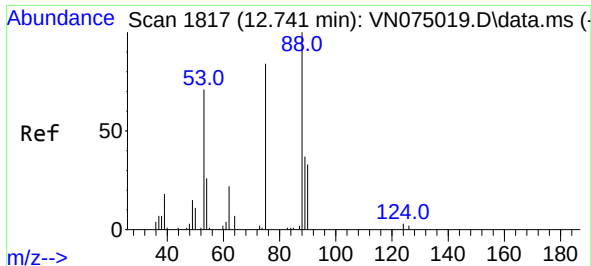
Tgt Ion: 83 Resp: 61
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 0.0 31.6 94.7#



#76
1,2,3-Trichloropropane
Concen: 26.792 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

Tgt Ion: 75 Resp: 45102
Ion Ratio Lower Upper
75 100
77 0.8 75.6 226.8#

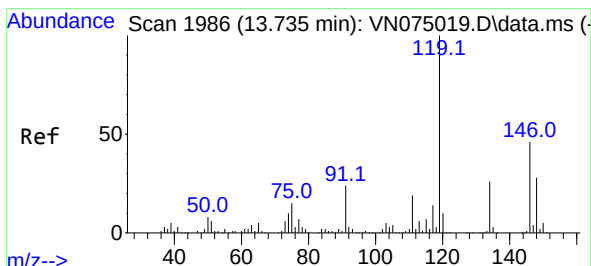
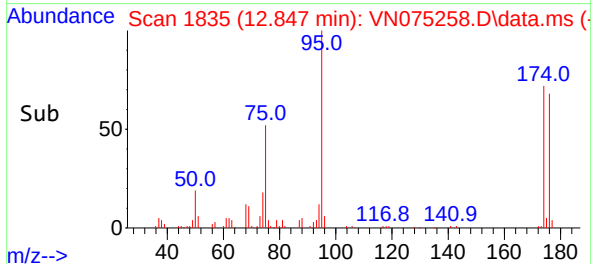
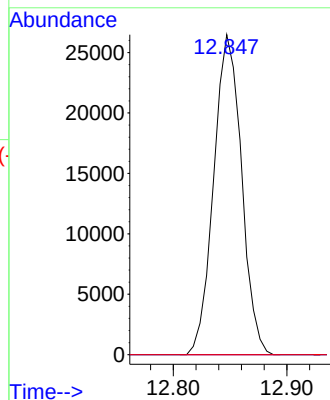
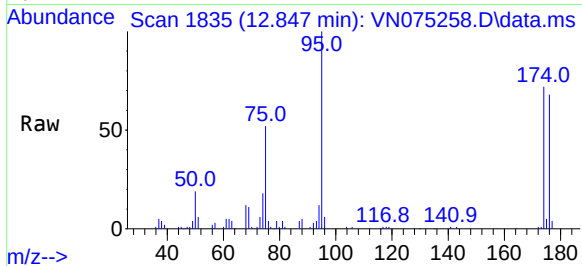




#81
trans-1,4-Dichloro-2-butene
Concen: 68.776 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

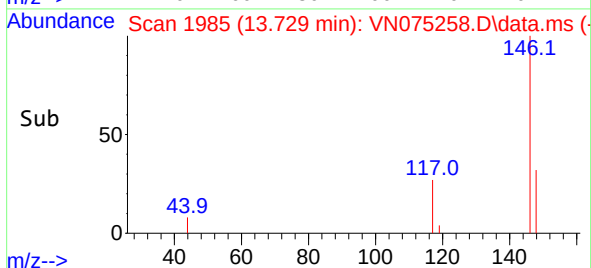
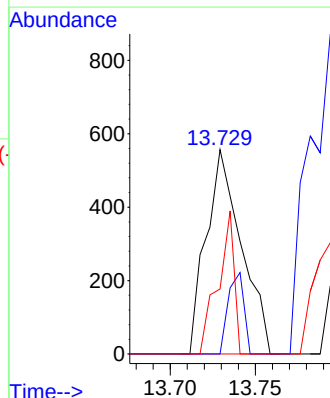
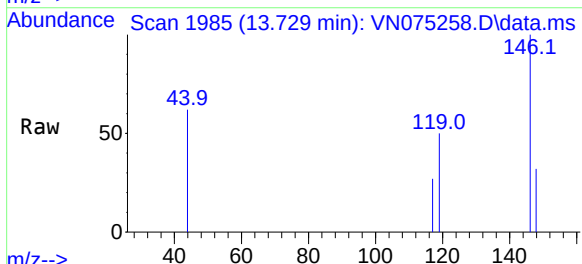
Instrument :
MSVOA_N
ClientSampleId :
VN1114MBL01

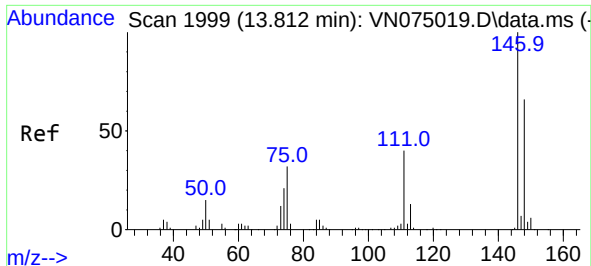
Tgt Ion: 75 Resp: 45102
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#87
1,3-Dichlorobenzene
Concen: 0.293 ug/l
RT: 13.729 min Scan# 1985
Delta R.T. -0.006 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

Tgt Ion: 146 Resp: 803
Ion Ratio Lower Upper
146 100
111 17.7 20.8 62.5#
148 32.0 31.1 93.5

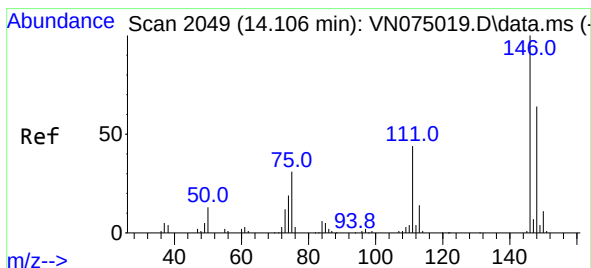
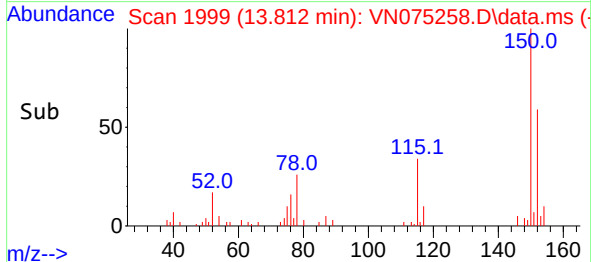
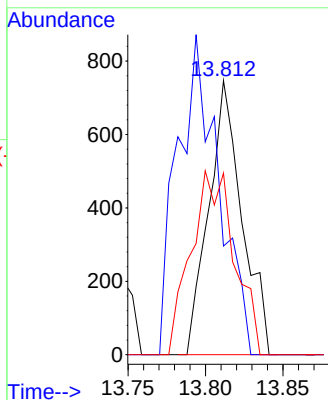
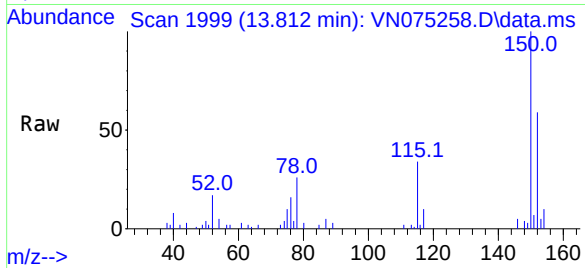




#88
1,4-Dichlorobenzene
Concen: 0.409 ug/l
RT: 13.812 min Scan# 1999
Delta R.T. -0.000 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

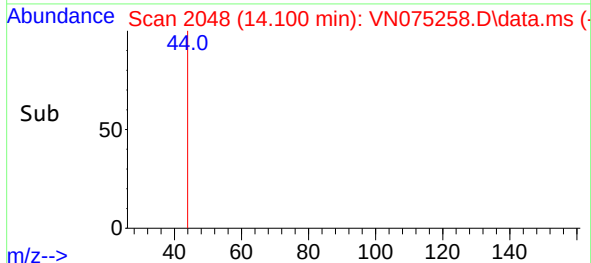
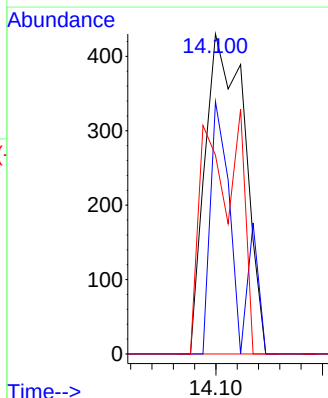
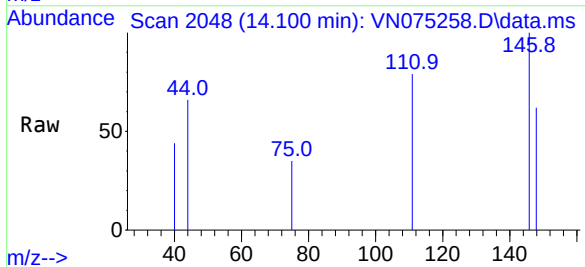
Instrument :
MSVOA_N
ClientSampleId :
VN1114MBL01

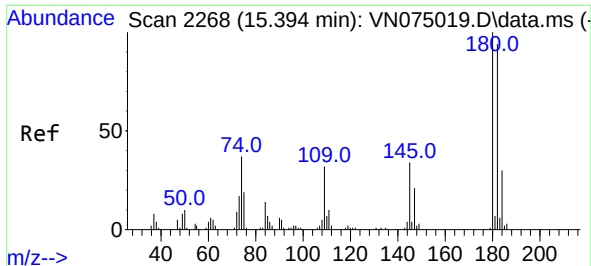
Tgt Ion:146 Resp: 1110
Ion Ratio Lower Upper
146 100
111 143.7 20.1 60.3#
148 87.7 31.9 95.7



#91
1,2-Dichlorobenzene
Concen: 0.202 ug/l
RT: 14.100 min Scan# 2048
Delta R.T. -0.006 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

Tgt Ion:146 Resp: 550
Ion Ratio Lower Upper
146 100
111 48.0 21.3 63.9
148 69.3 31.4 94.2

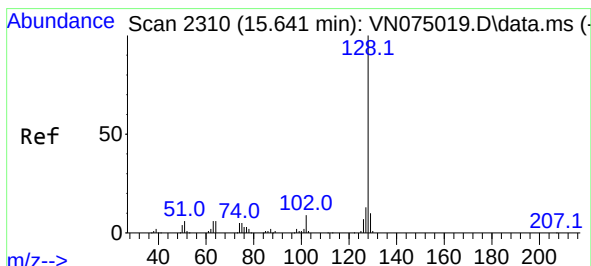
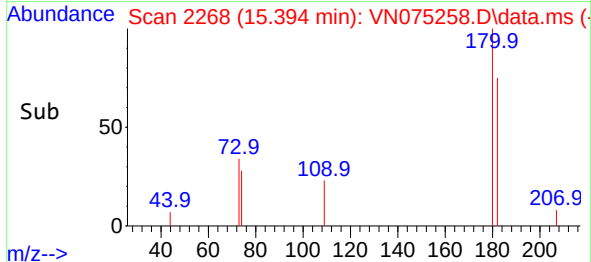
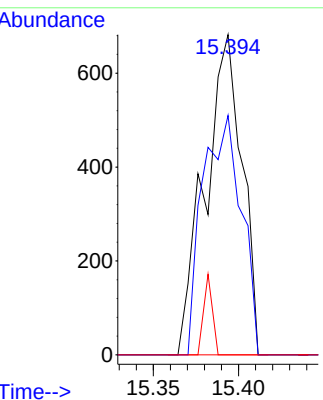
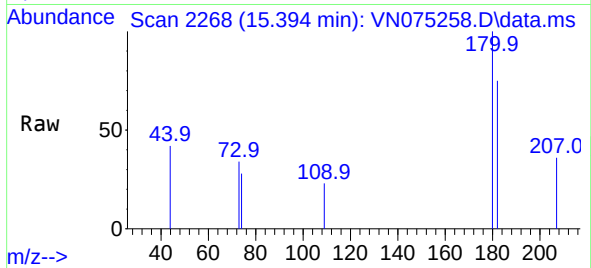




#93
1,2,4-Trichlorobenzene
Concen: 0.876 ug/l
RT: 15.394 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

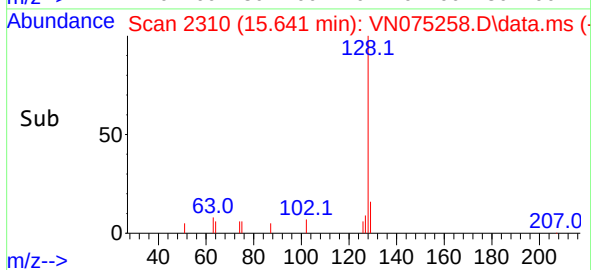
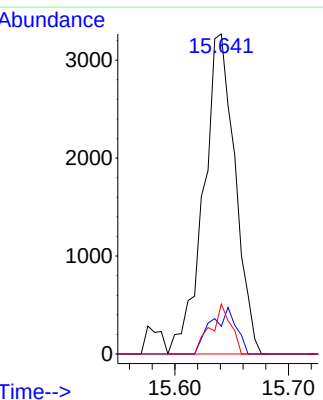
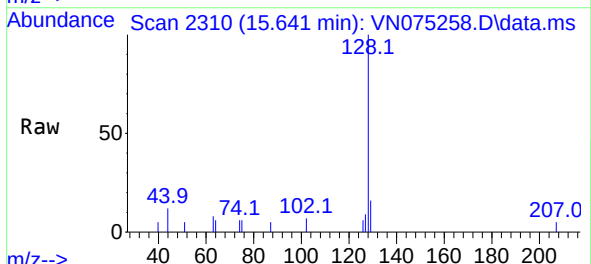
Instrument :
MSVOA_N
ClientSampleId :
VN1114MBL01

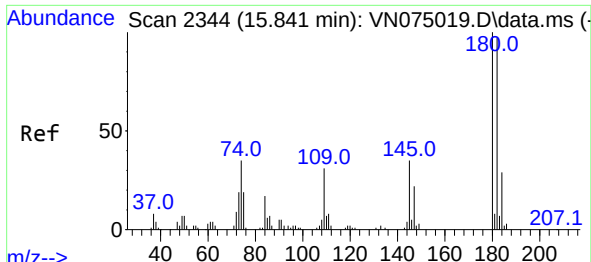
Tgt Ion:180 Resp: 1028
Ion Ratio Lower Upper
180 100
182 78.2 47.8 143.4
145 5.9 16.8 50.3#



#95
Naphthalene
Concen: 1.394 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075258.D
Acq: 14 Nov 2022 11:50

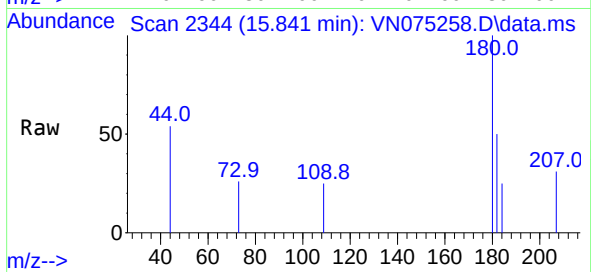
Tgt Ion:128 Resp: 6295
Ion Ratio Lower Upper
128 100
127 11.6 10.4 15.6
129 9.9 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 1.001 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN075258.D
 Acq: 14 Nov 2022 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114MBL01



Tgt Ion:180 Resp: 1168
 Ion Ratio Lower Upper
 180 100
 182 90.9 47.3 141.8
 145 4.7 17.6 52.9#

