

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102422\
 Data File : VN074987.D
 Acq On : 24 Oct 2022 16:37
 Operator : JC\MD
 Sample : N5222-08RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 06:40:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 21 09:37:47 2022
 Response via : Initial Calibration

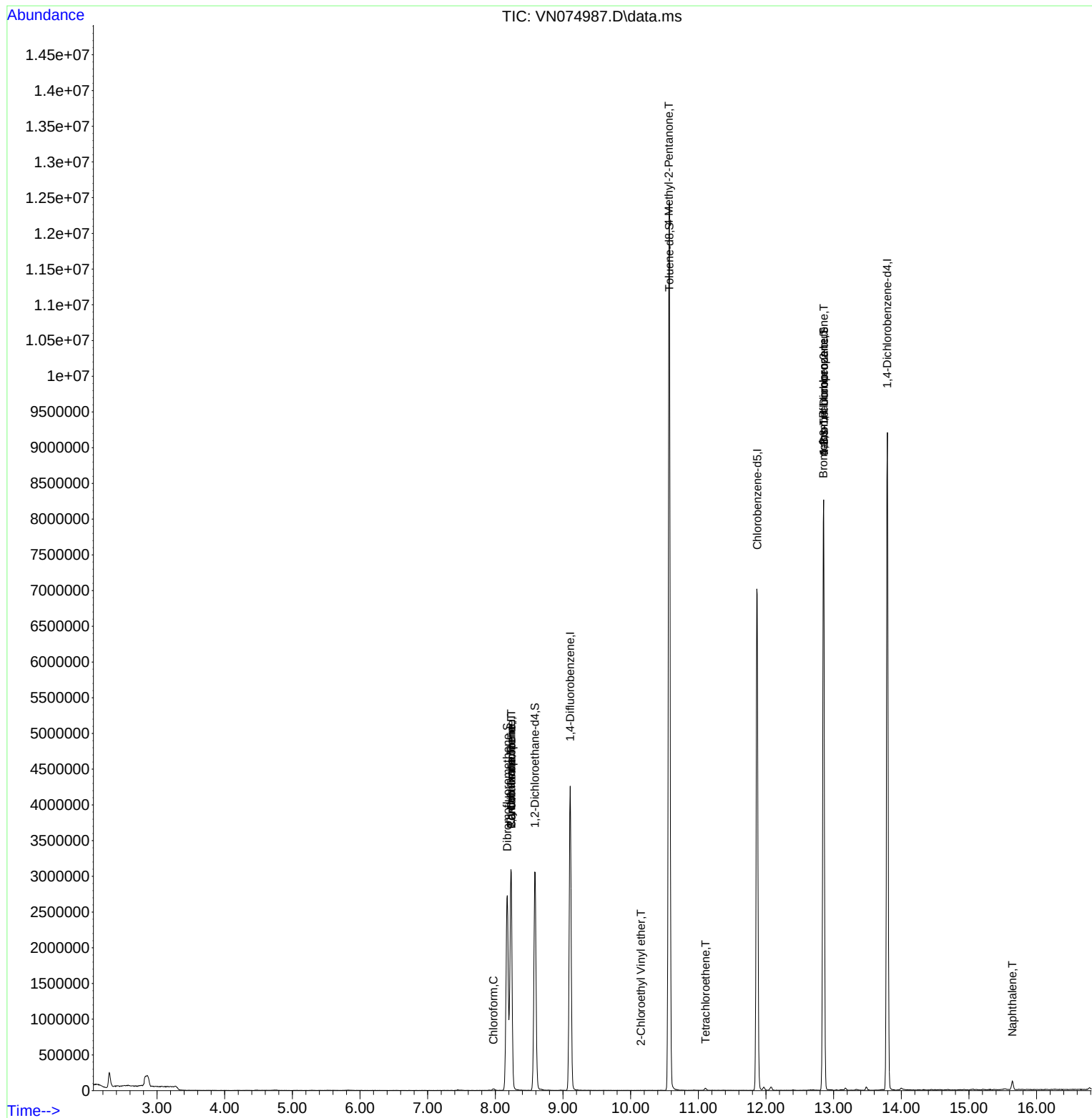
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	2143447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	3703351	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	4046370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	2368883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	2488363	43.694	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.380%
35) Dibromofluoromethane	8.177	113	1898251	43.064	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.120%
50) Toluene-d8	10.571	98	8516177	50.355	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.720%
62) 4-Bromofluorobenzene	12.853	95	2796919	46.884	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.760%
Target Compounds						
					Qvalue	
3) Chloromethane	2.383	50	2104	Below Cal	#	39
4) Vinyl Chloride	2.518	62	347	Below Cal	#	39
5) Bromomethane	2.930	94	2858	Below Cal	#	29
6) Chloroethane	2.989	64	5502	Below Cal	#	40
7) Trichlorofluoromethane	3.265	101	60	Below Cal	#	18
12) 1,1-Dichloroethene	4.353	96	299	Below Cal	#	1
13) Acrolein	4.206	56	1130	Below Cal	#	81
16) Acetone	4.448	43	2605	Below Cal	#	81
17) Carbon Disulfide	4.712	76	373	Below Cal	#	74
20) Methylene Chloride	5.295	84	2491	Below Cal	#	62
21) trans-1,2-Dichloroethene	5.777	96	66	Below Cal	#	1
30) Chloroform	7.971	83	18481	0.222	ug/l	100
31) Cyclohexane	8.230	56	53291	0.916	ug/l #	35
36) 1,1-Dichloropropene	8.236	75	186998	3.369	ug/l #	50
38) Carbon Tetrachloride	8.236	117	238387	3.945	ug/l #	16
51) 4-Methyl-2-Pentanone	10.565	43	37114	0.553	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.153	63	179	3.614	ug/l #	45
64) Tetrachloroethene	11.106	164	6666	0.201	ug/l #	85
71) Bromoform	12.847	173	21209	0.609	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	1550969	24.143	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	1550969	77.407	ug/l #	10
95) Naphthalene	15.641	128	103787	0.721	ug/l #	94

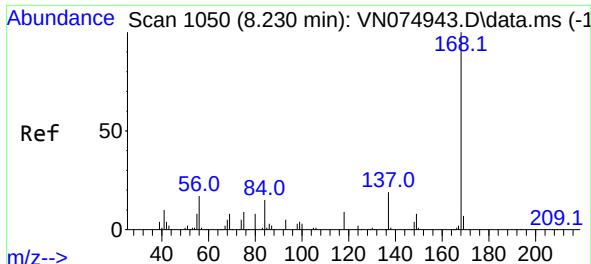
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

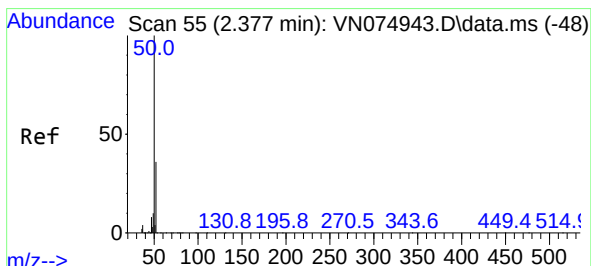
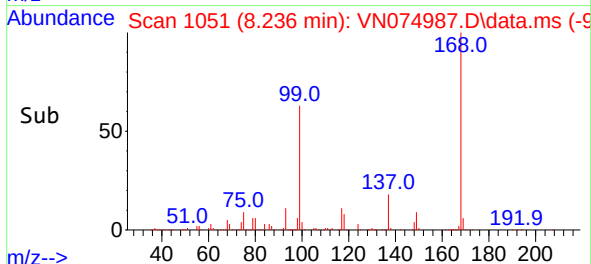
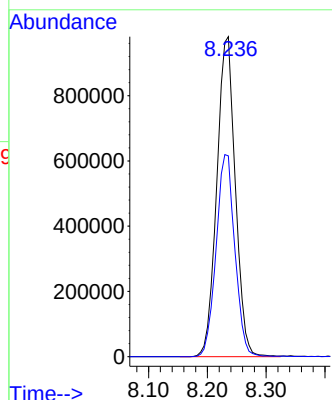
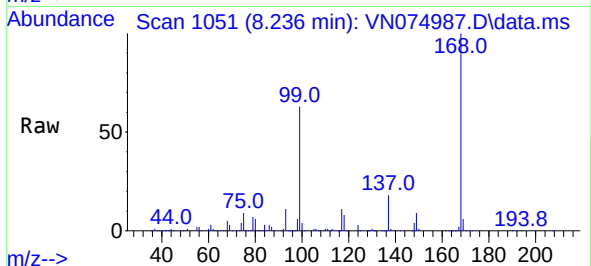




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

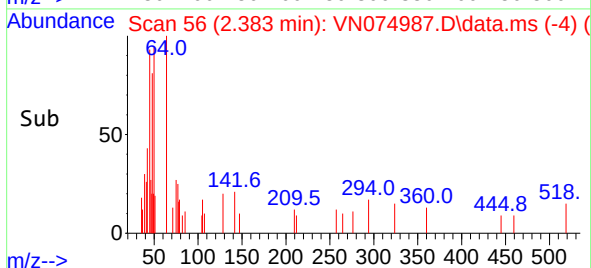
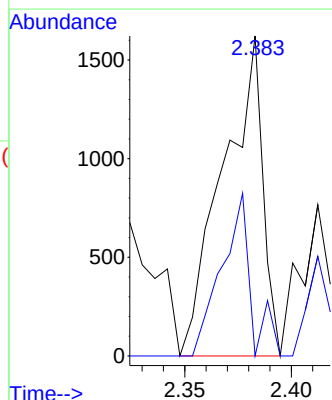
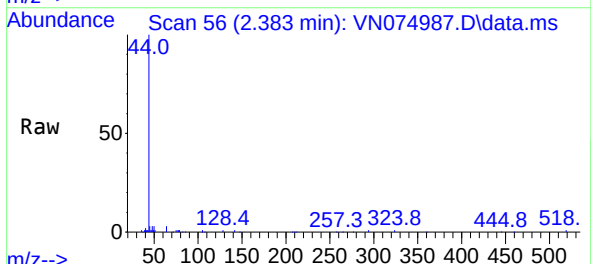
Instrument :
MSVOA_N
ClientSampleId :

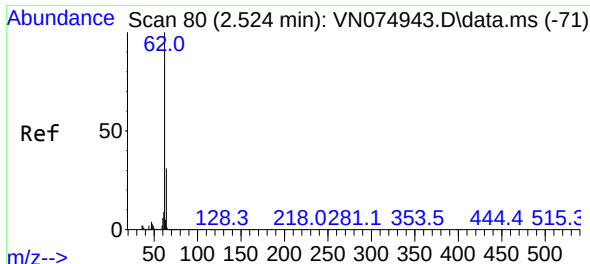
Tgt Ion:168 Resp: 2143447
Ion Ratio Lower Upper
168 100
99 62.7 52.2 78.4



#3
Chloromethane
Concen: Below Cal
RT: 2.383 min Scan# 56
Delta R.T. 0.006 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

Tgt Ion: 50 Resp: 2104
Ion Ratio Lower Upper
50 100
52 0.0 28.8 43.2#

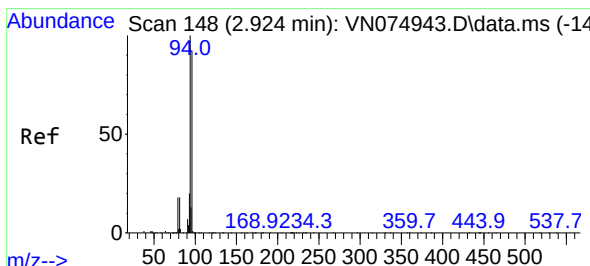
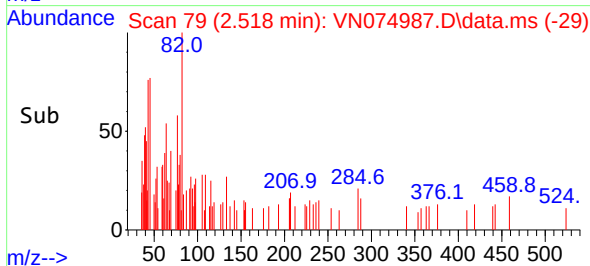
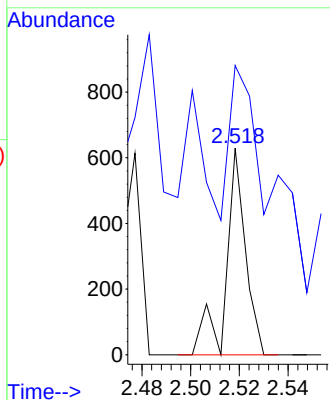
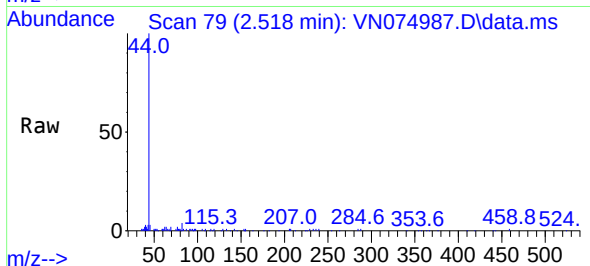




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.518 min Scan# 74
 Delta R.T. -0.006 min
 Lab File: VN074987.D
 Acq: 24 Oct 2022 16:37

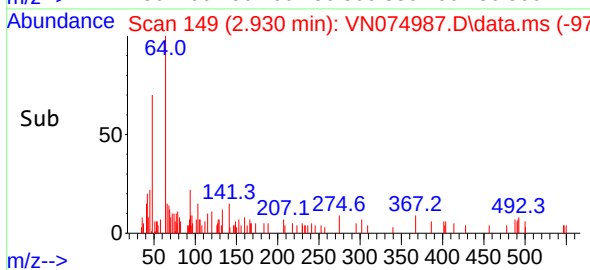
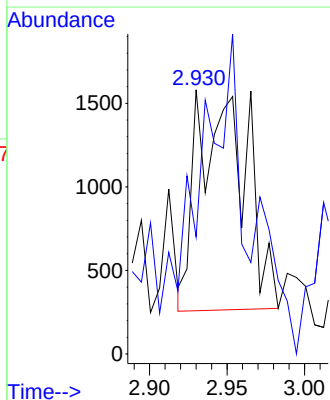
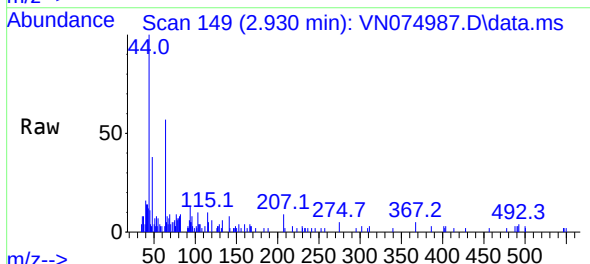
Instrument :
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 ClientSampleId :

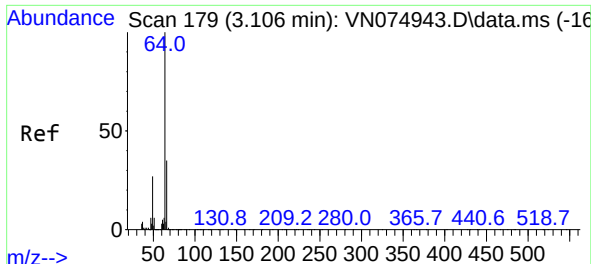
Tgt Ion: 62 Resp: 347
 Ion Ratio Lower Upper
 62 100
 64 63.9 24.5 36.7#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.930 min Scan# 149
 Delta R.T. 0.006 min
 Lab File: VN074987.D
 Acq: 24 Oct 2022 16:37

Tgt Ion: 94 Resp: 2858
 Ion Ratio Lower Upper
 94 100
 96 24.7 73.5 110.3#

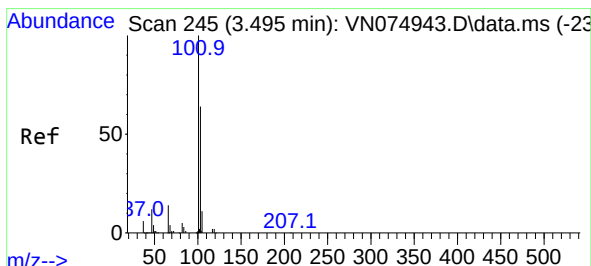
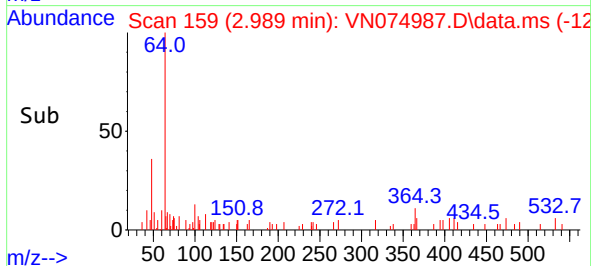
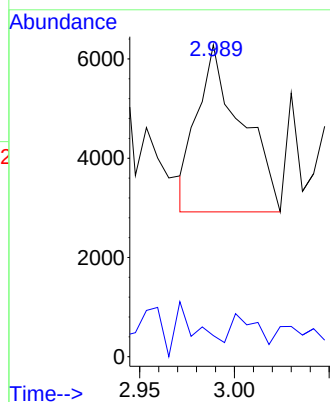
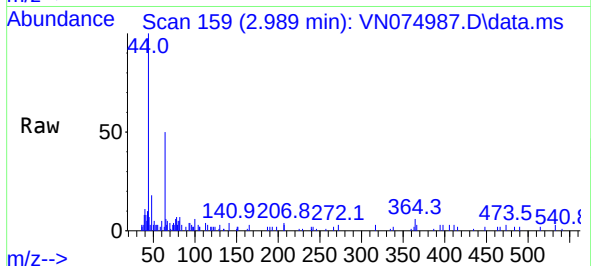




#6
Chloroethane
Concen: Below Cal
RT: 2.989 min Scan# 11
Delta R.T. -0.117 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

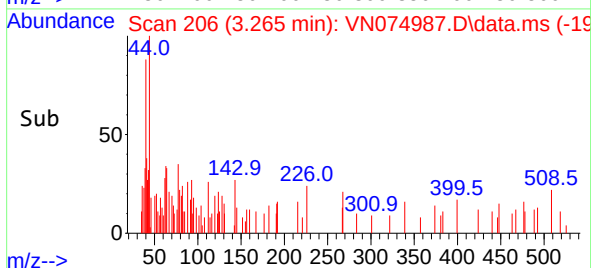
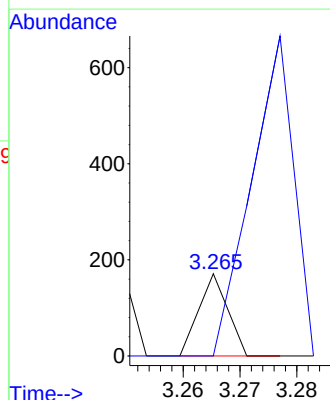
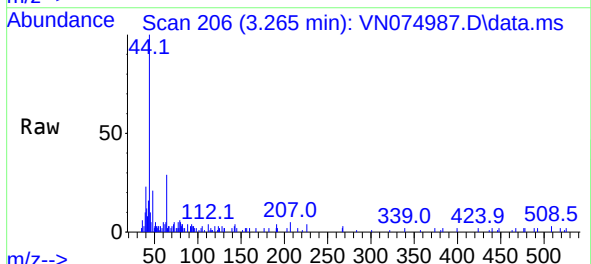
Instrument :
MSVOA_N
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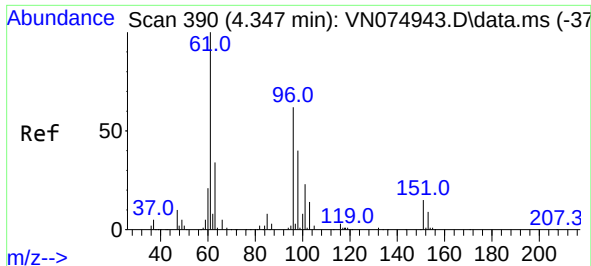
Tgt Ion: 64 Resp: 5502
Ion Ratio Lower Upper
64 100
66 0.0 27.9 41.9#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.265 min Scan# 206
Delta R.T. -0.230 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

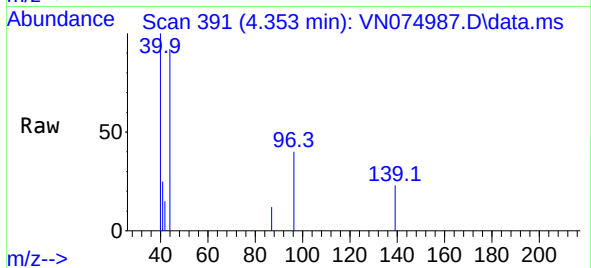
Tgt Ion: 101 Resp: 60
Ion Ratio Lower Upper
101 100
103 0.0 51.5 77.3#



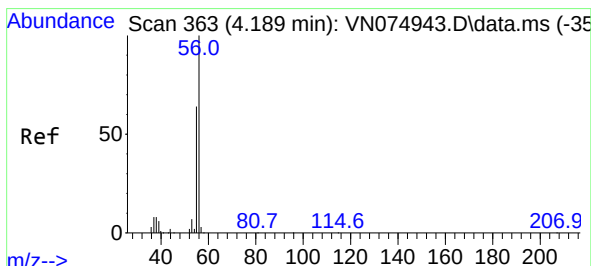
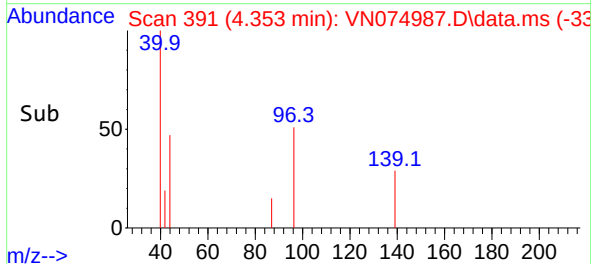
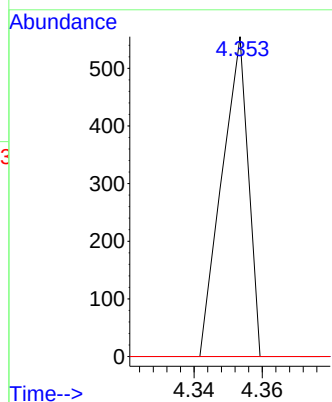


#12
1,1-Dichloroethene
Concen: Below Cal
RT: 4.353 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

Instrument :
MSVOA_N
ClientSampleId :

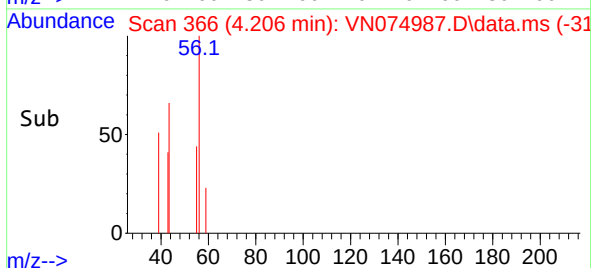
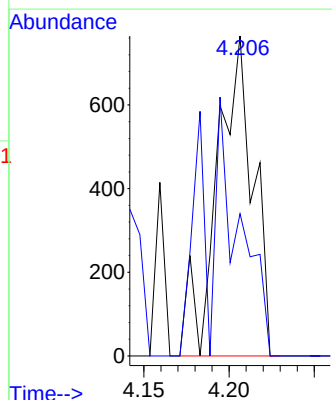
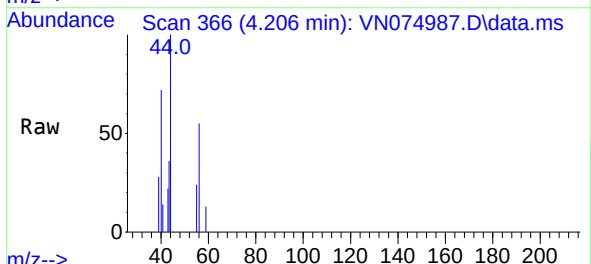


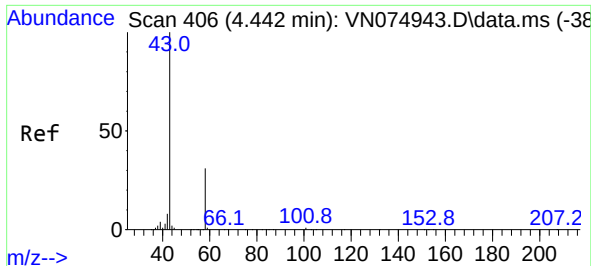
Tgt Ion: 96 Resp: 299
Ion Ratio Lower Upper
96 100
61 0.0 128.9 193.3#
98 0.0 51.8 77.8#



#13
Acrolein
Concen: Below Cal
RT: 4.206 min Scan# 366
Delta R.T. 0.017 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

Tgt Ion: 56 Resp: 1130
Ion Ratio Lower Upper
56 100
55 51.9 53.7 80.5#

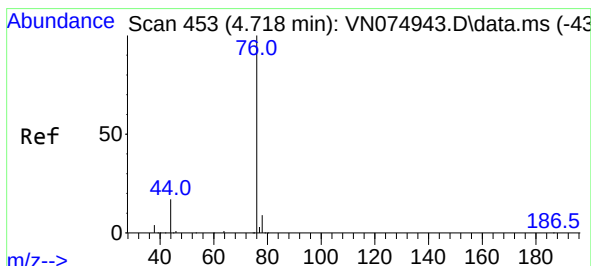
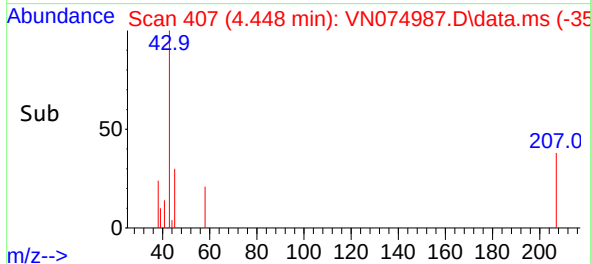
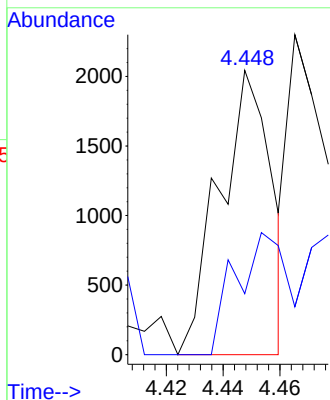
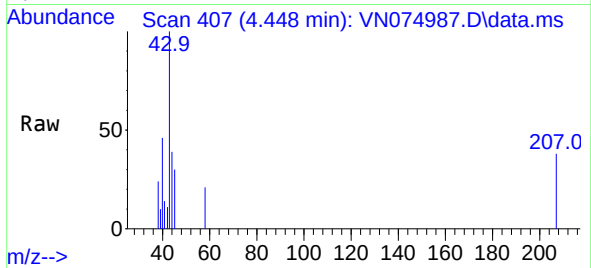




#16
Acetone
Concen: Below Cal
RT: 4.448 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

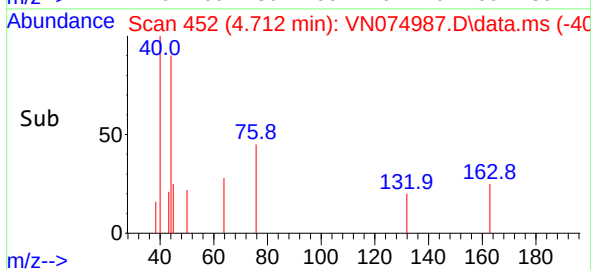
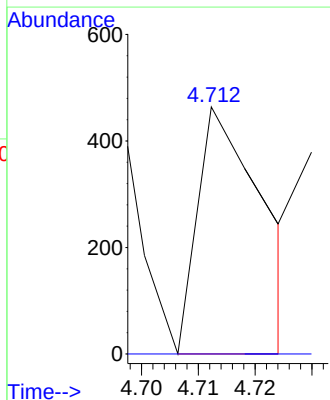
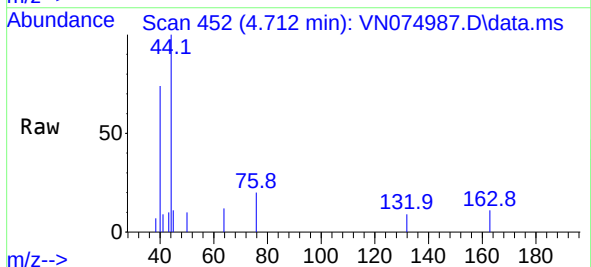
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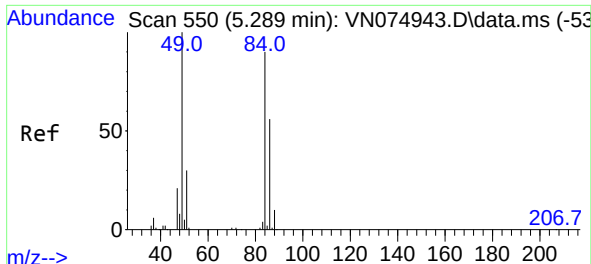
Tgt Ion: 43 Resp: 2605
Ion Ratio Lower Upper
43 100
58 21.4 25.7 38.5#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.712 min Scan# 452
Delta R.T. -0.006 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

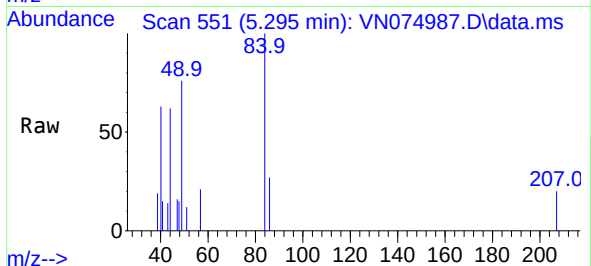
Tgt Ion: 76 Resp: 373
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



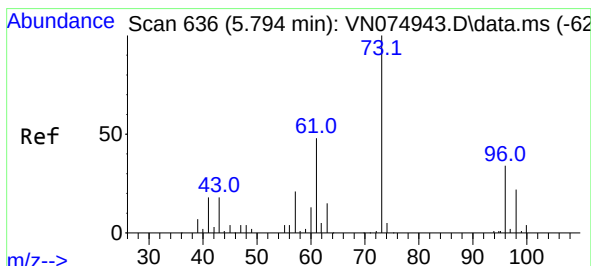
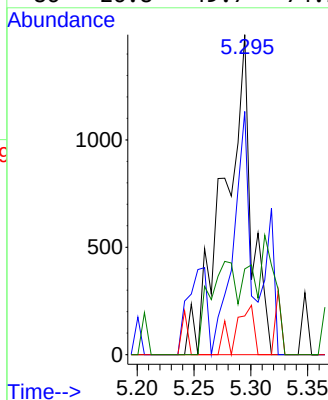
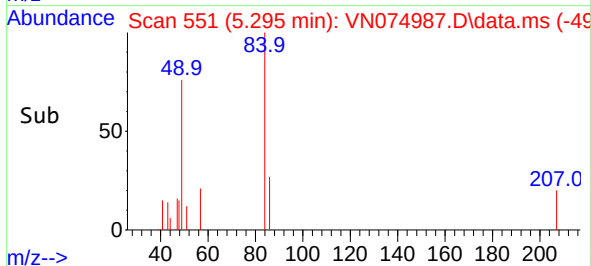


#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

Instrument :
MSVOA_N
ClientSampleId :

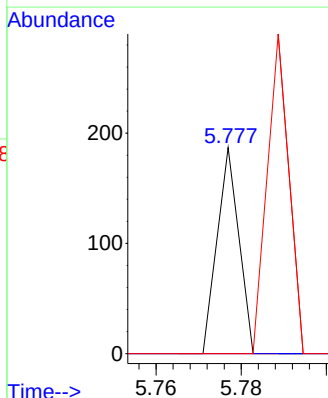
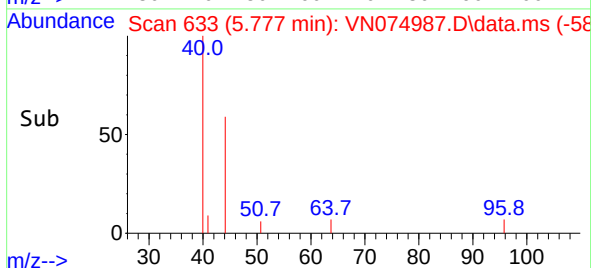
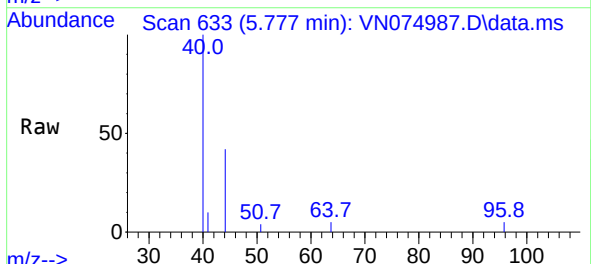


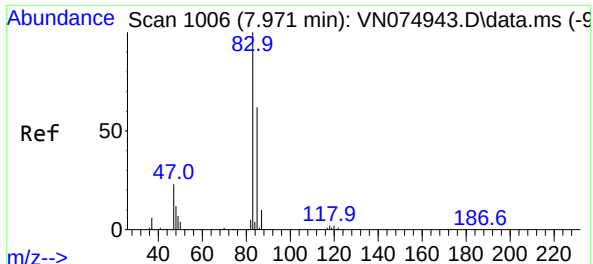
Tgt Ion: 84 Resp: 2491
Ion Ratio Lower Upper
84 100
49 76.0 88.6 133.0#
51 12.1 26.7 40.1#
86 26.8 49.7 74.5#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.777 min Scan# 633
Delta R.T. -0.017 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

Tgt Ion: 96 Resp: 66
Ion Ratio Lower Upper
96 100
61 0.0 112.6 169.0#
98 0.0 52.4 78.6#

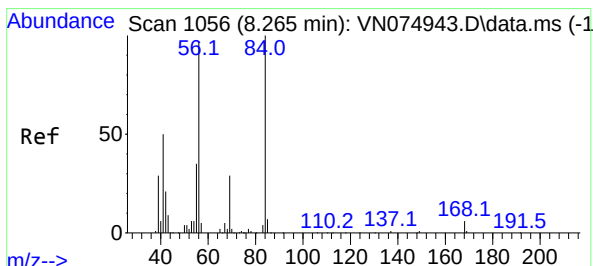
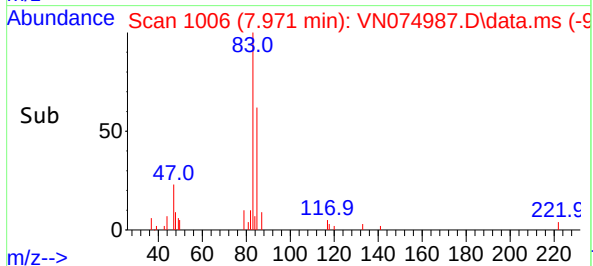
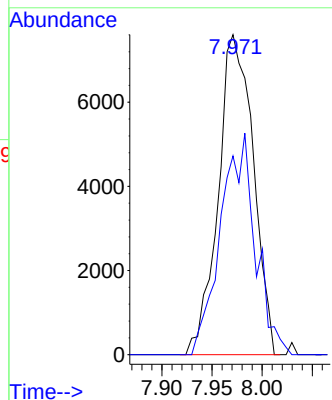
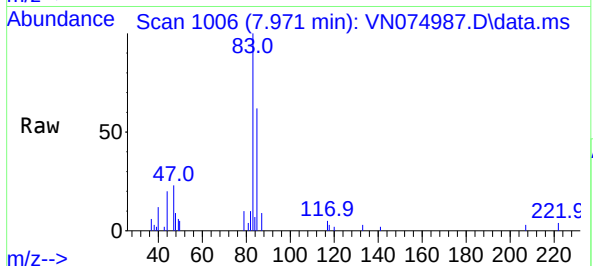




#30
Chloroform
Concen: 0.222 ug/l
RT: 7.971 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

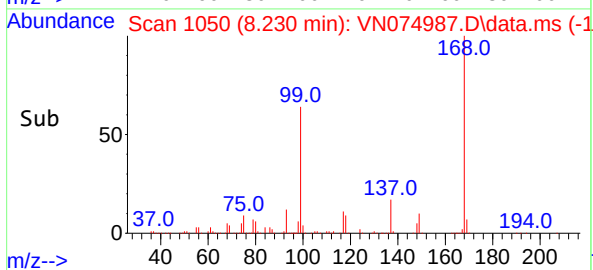
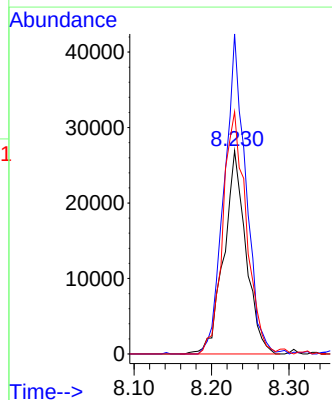
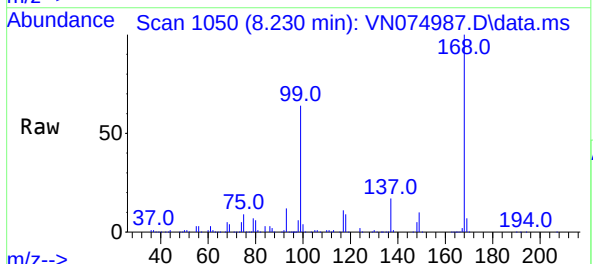
Instrument :
MSVOA_N
ClientSampleId :

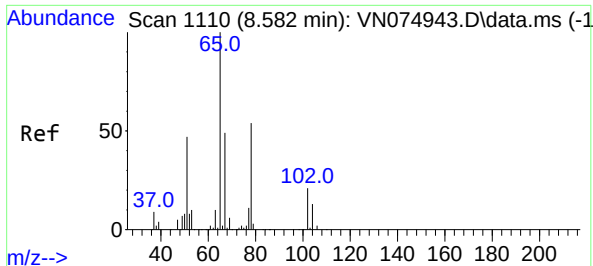
Tgt Ion: 83 Resp: 18481
Ion Ratio Lower Upper
83 100
85 62.1 49.9 74.9



#31
Cyclohexane
Concen: 0.916 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

Tgt Ion: 56 Resp: 53291
Ion Ratio Lower Upper
56 100
69 157.5 24.2 36.2#
84 119.1 82.8 124.2

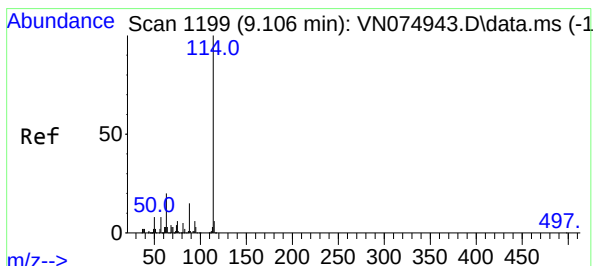
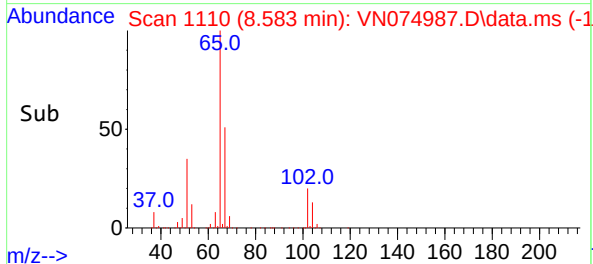
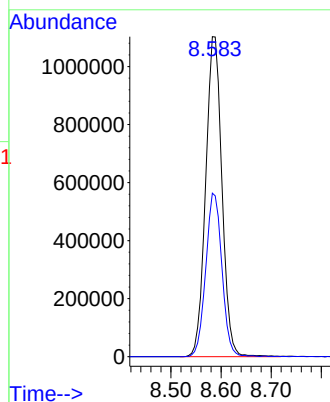
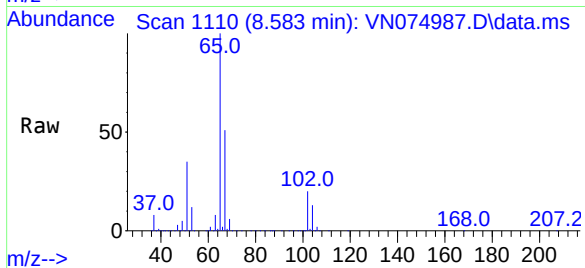




#33
1,2-Dichloroethane-d4
Concen: 43.694 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

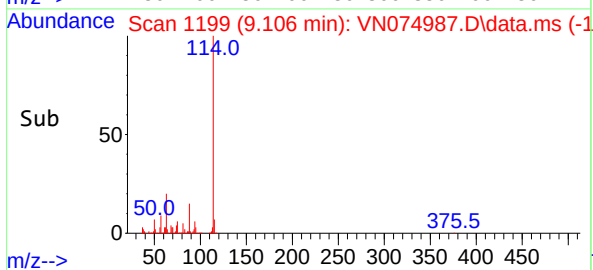
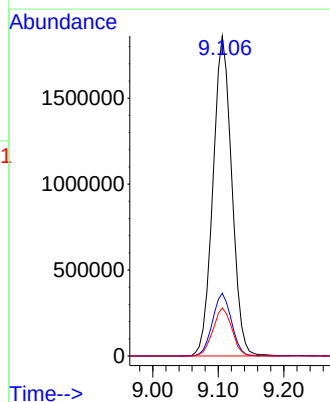
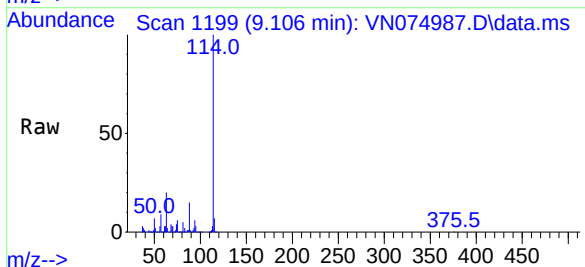
Instrument :
MSVOA_N
ClientSampleId :

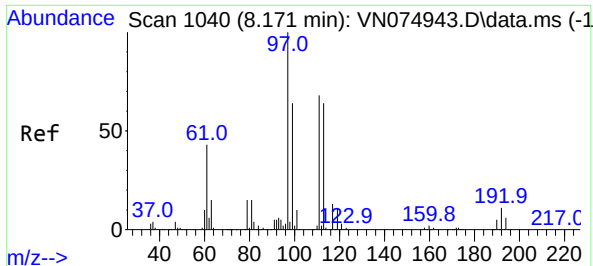
Tgt Ion: 65 Resp: 2488363
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

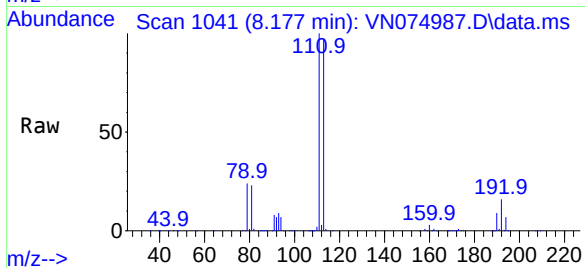
Tgt Ion:114 Resp: 3703351
Ion Ratio Lower Upper
114 100
63 19.6 0.0 39.8
88 15.0 0.0 30.4



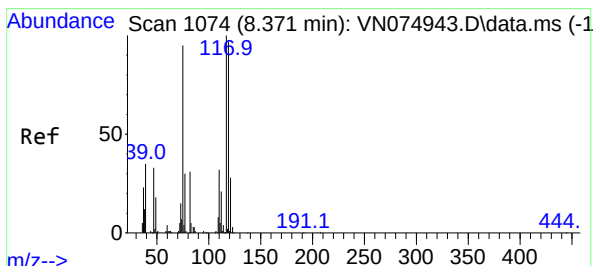
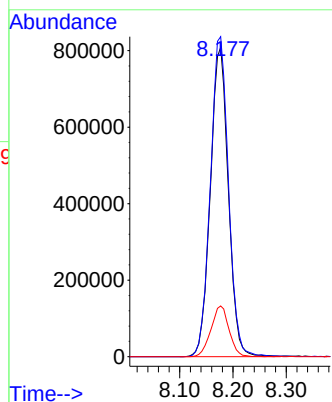
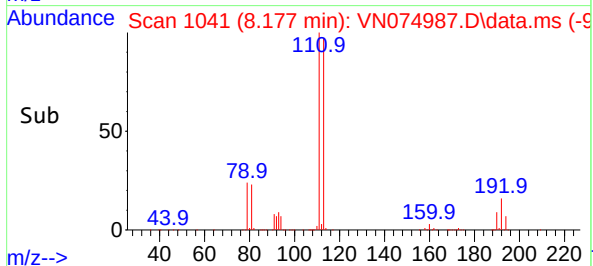


#35
Dibromofluoromethane
Concen: 43.064 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

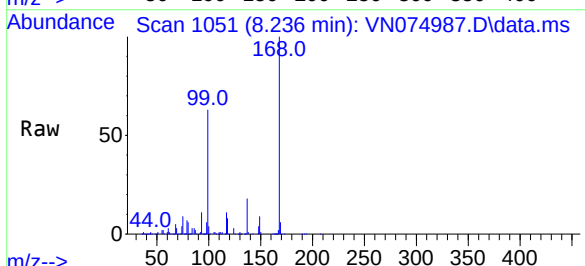
Instrument :
MSVOA_N
ClientSampleId :



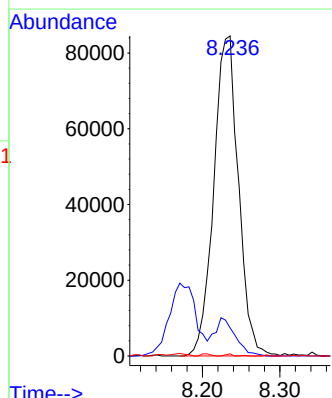
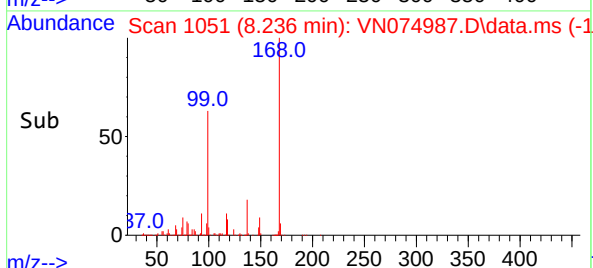
Tgt Ion:113 Resp: 1898251
Ion Ratio Lower Upper
113 100
111 104.3 83.4 125.2
192 16.5 13.3 19.9

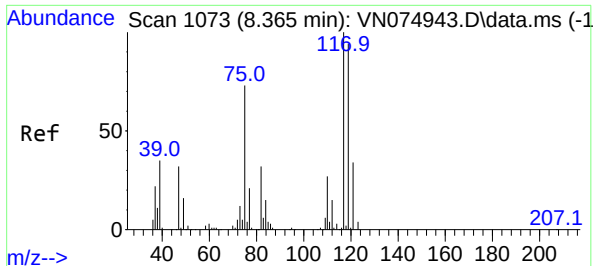


#36
1,1-Dichloropropene
Concen: 3.369 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.135 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37



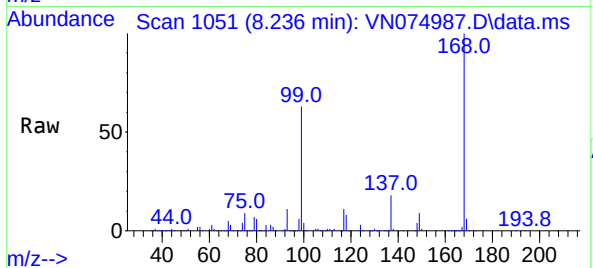
Tgt Ion: 75 Resp: 186998
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.4#
77 0.2 25.0 37.4#



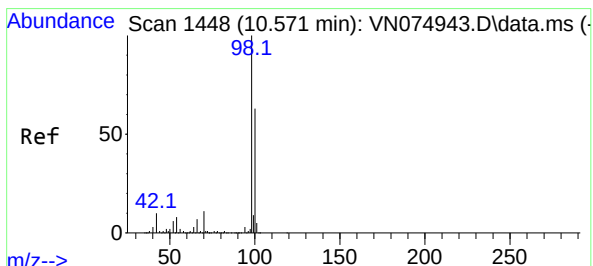
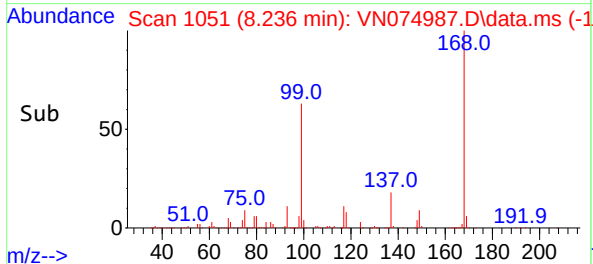
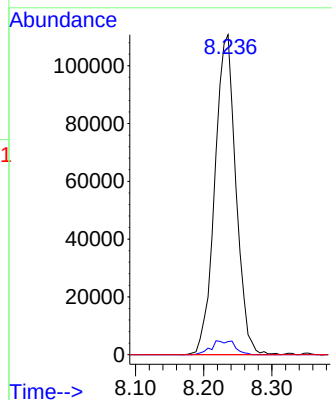


#38
Carbon Tetrachloride
Concen: 3.945 ug/l
RT: 8.236 min Scan# 1073
Delta R.T. -0.129 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

Instrument :
MSVOA_N
ClientSampleId :

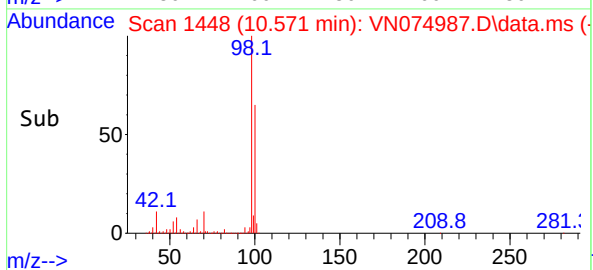
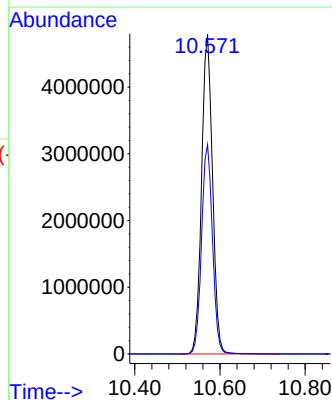
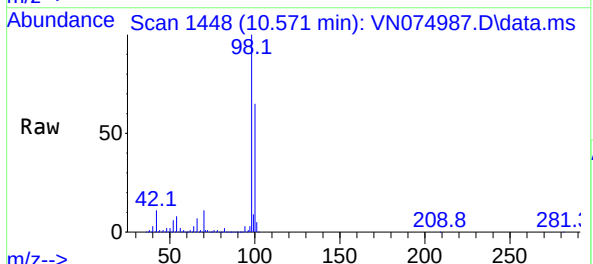


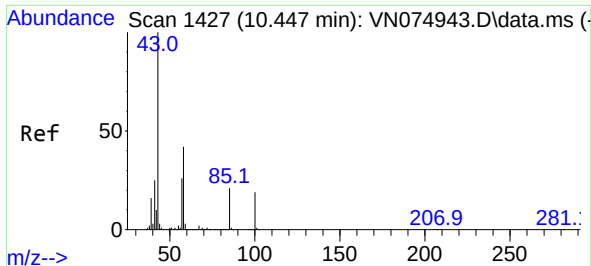
Tgt Ion:117 Resp: 238387
Ion Ratio Lower Upper
117 100
119 4.1 75.2 112.8#
121 0.0 27.0 40.6#



#50
Toluene-d8
Concen: 50.355 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

Tgt Ion: 98 Resp: 8516177
Ion Ratio Lower Upper
98 100
100 65.4 51.4 77.2

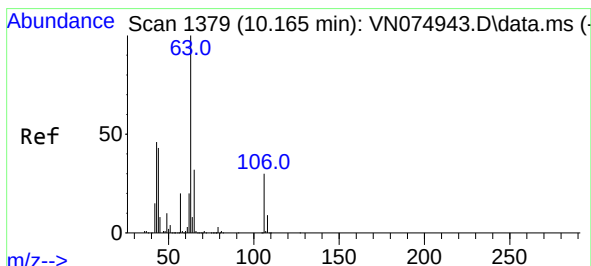
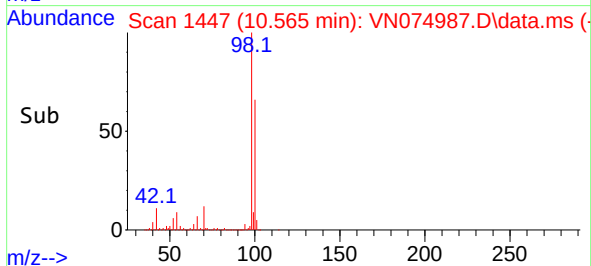
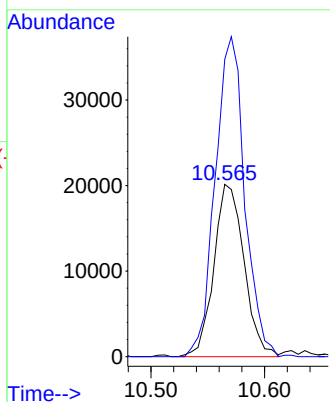
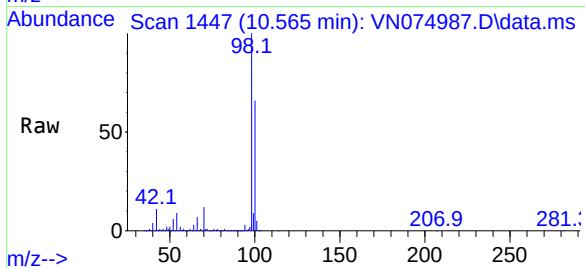




#51
4-Methyl-2-Pentanone
Concen: 0.553 ug/l
RT: 10.565 min Scan# 1427
Delta R.T. 0.118 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

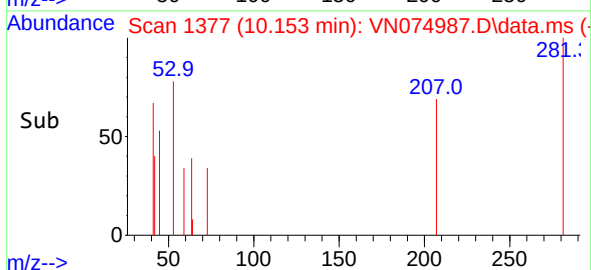
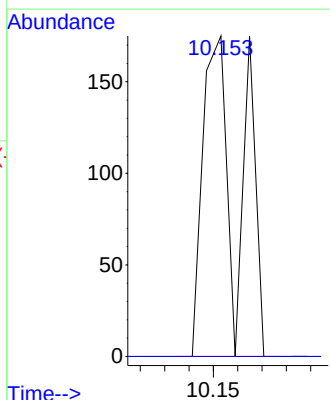
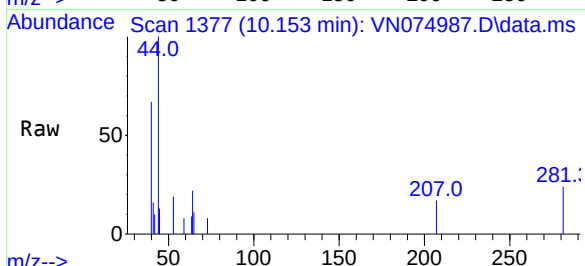
Instrument :
MSVOA_N
ClientSampleId :

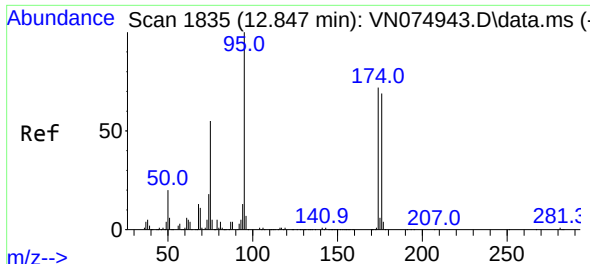
Tgt Ion: 43 Resp: 37114
Ion Ratio Lower Upper
43 100
58 182.3 33.6 50.4#



#58
2-Chloroethyl Vinyl ether
Concen: 3.614 ug/l
RT: 10.153 min Scan# 1377
Delta R.T. -0.012 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

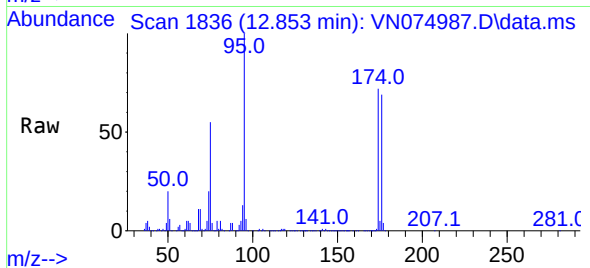
Tgt Ion: 63 Resp: 179
Ion Ratio Lower Upper
63 100
106 0.0 24.1 36.1#



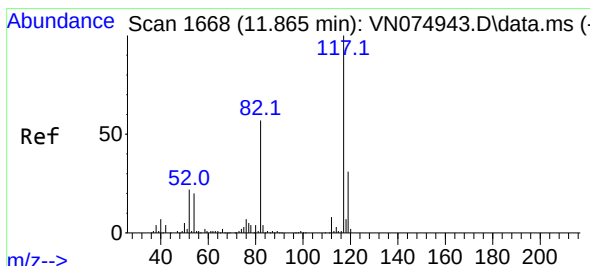
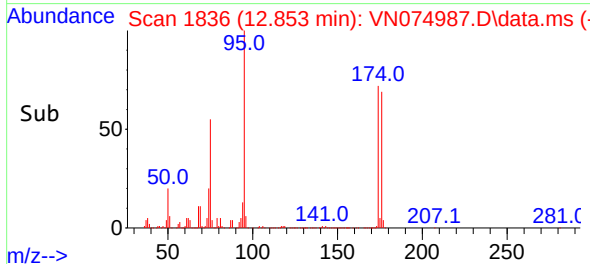
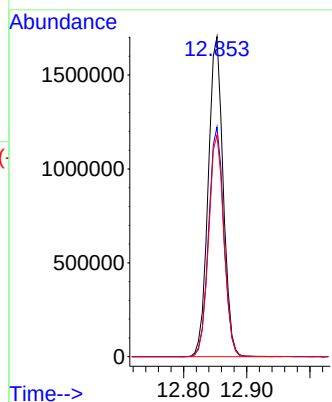


#62
4-Bromofluorobenzene
Concen: 46.884 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

Instrument :
MSVOA_N
ClientSampleId :

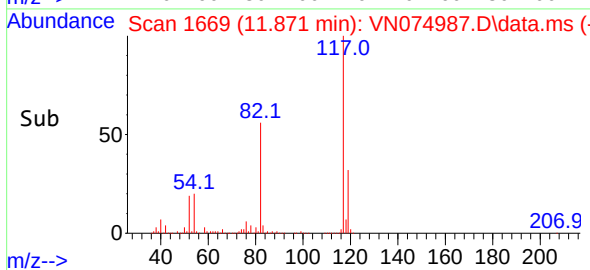
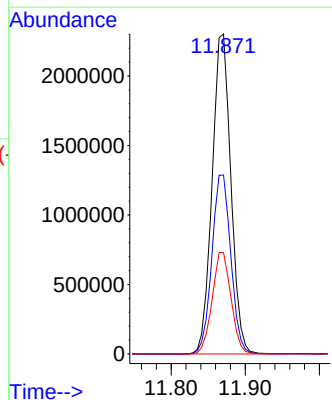
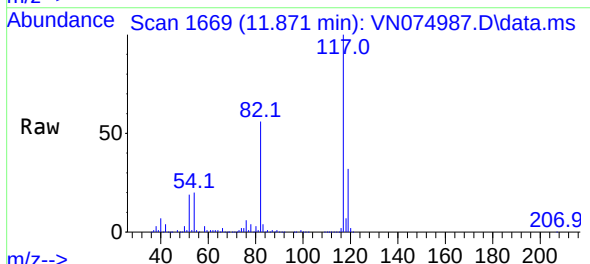


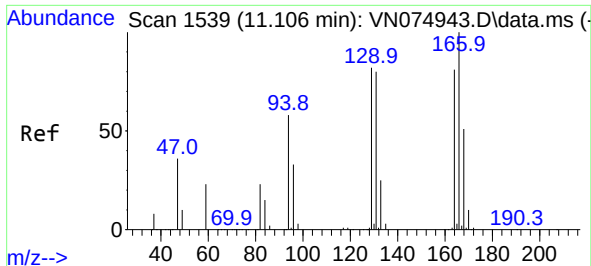
Tgt Ion: 95 Resp: 2796919
Ion Ratio Lower Upper
95 100
174 72.9 0.0 143.0
176 70.1 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

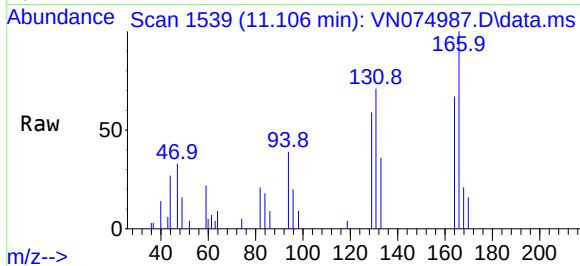
Tgt Ion: 117 Resp: 4046370
Ion Ratio Lower Upper
117 100
82 55.9 45.6 68.4
119 31.6 25.1 37.7



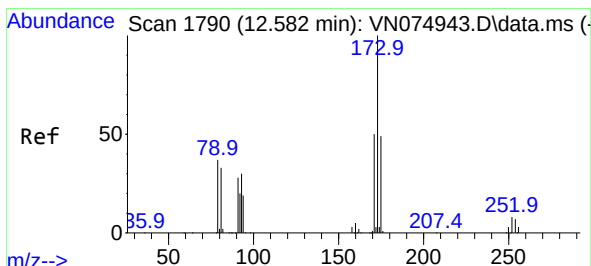
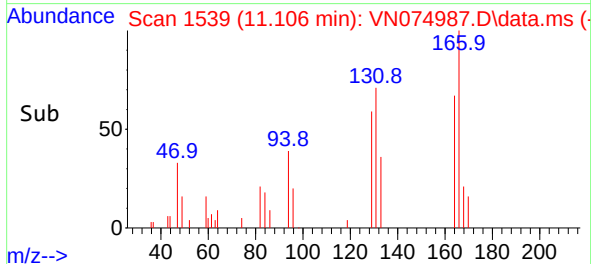
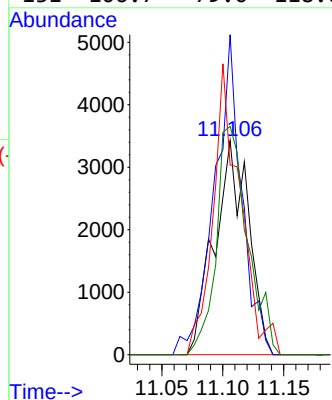


#64
Tetrachloroethene
Concen: 0.201 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

Instrument :
MSVOA_N
ClientSampleId :

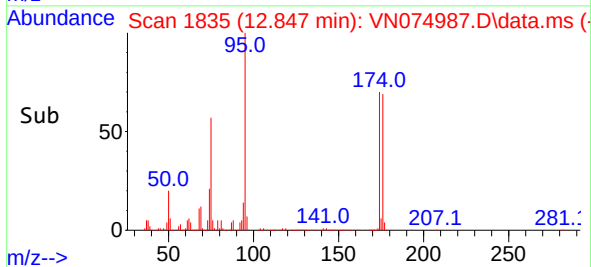
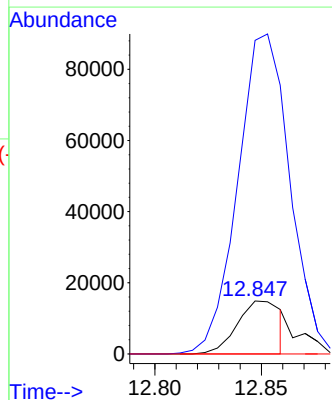
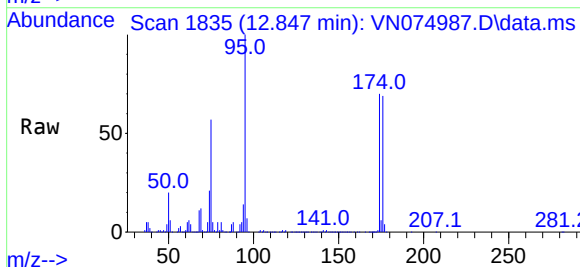


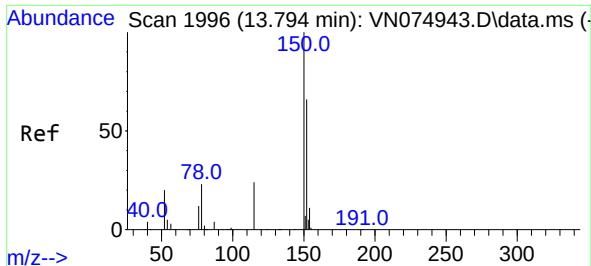
Tgt Ion:164 Resp: 6666
Ion Ratio Lower Upper
164 100
166 149.5 98.6 148.0#
129 88.6 81.2 121.8
131 106.7 79.0 118.6



#71
Bromoform
Concen: 0.609 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

Tgt Ion:173 Resp: 21209
Ion Ratio Lower Upper
173 100
175 604.2 24.8 74.3#
254 0.0 0.1 0.1#

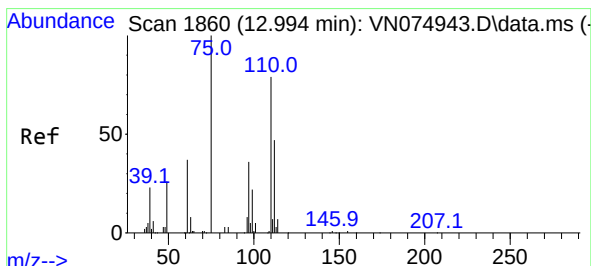
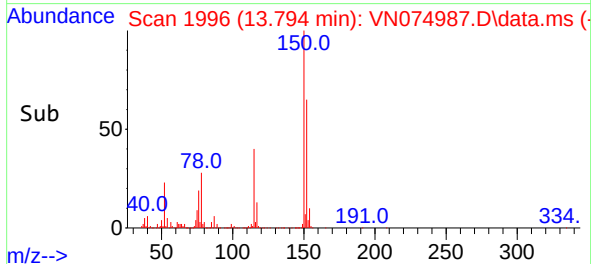
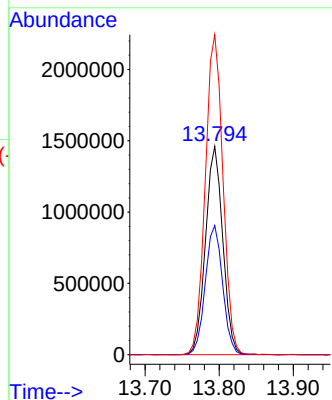
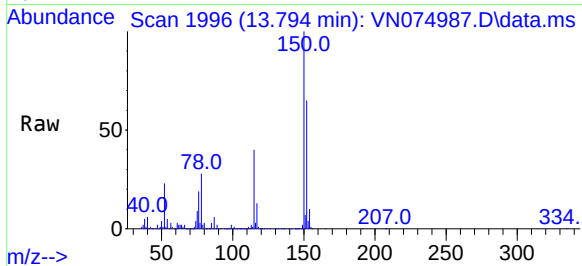




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN074987.D
 Acq: 24 Oct 2022 16:37

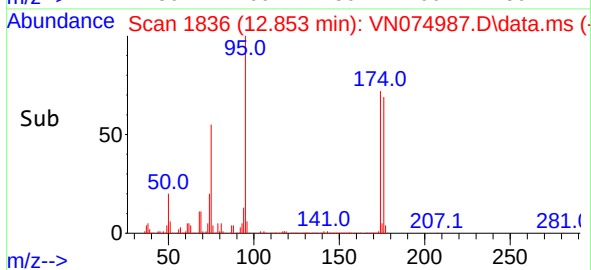
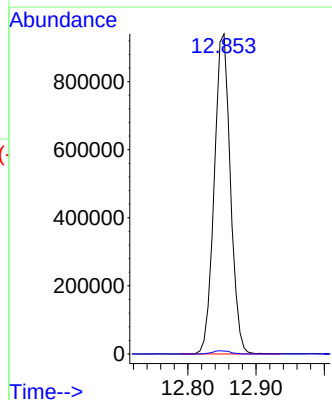
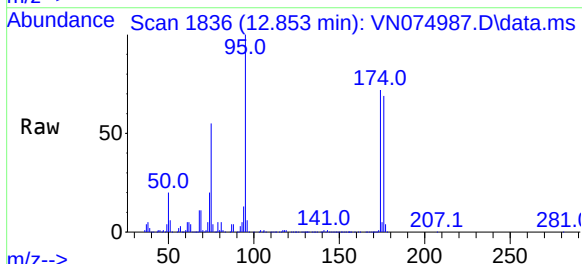
Instrument :
 MSVOA_N
 ClientSampleId :

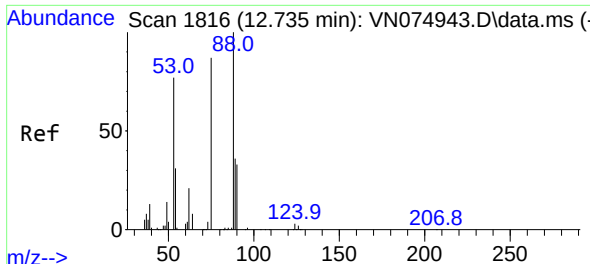
Tgt Ion:152 Resp: 2368883
 Ion Ratio Lower Upper
 152 100
 115 62.3 31.3 93.8
 150 156.5 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 24.143 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN074987.D
 Acq: 24 Oct 2022 16:37

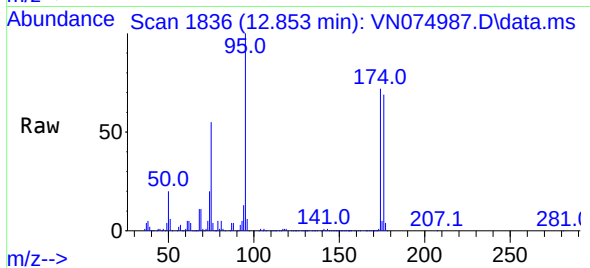
Tgt Ion: 75 Resp: 1550969
 Ion Ratio Lower Upper
 75 100
 77 1.1 81.0 243.0#



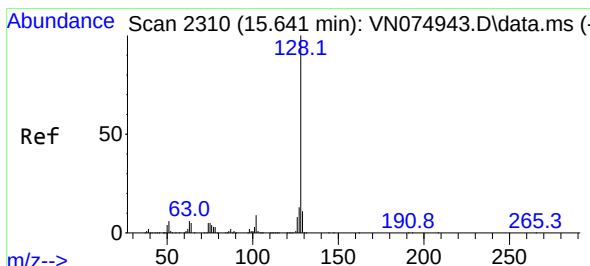
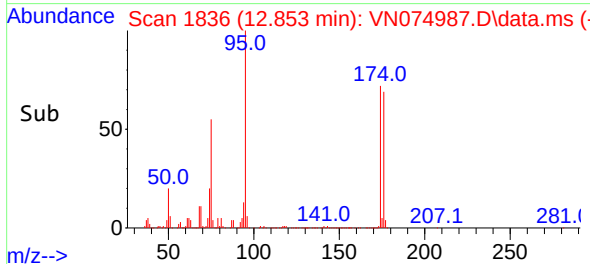
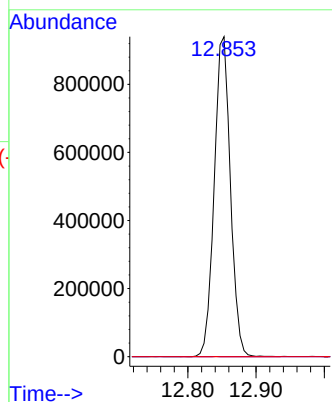


#81
trans-1,4-Dichloro-2-butene
Concen: 77.407 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 1550969
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 0.721 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. 0.000 min
Lab File: VN074987.D
Acq: 24 Oct 2022 16:37

Tgt Ion:128 Resp: 103787
Ion Ratio Lower Upper
128 100
127 15.2 10.4 15.6
129 13.1 8.6 12.8#

