

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102422\
 Data File : VN074990.D
 Acq On : 24 Oct 2022 17:49
 Operator : JC\MD
 Sample : N5222-21
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 06:51:29 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)

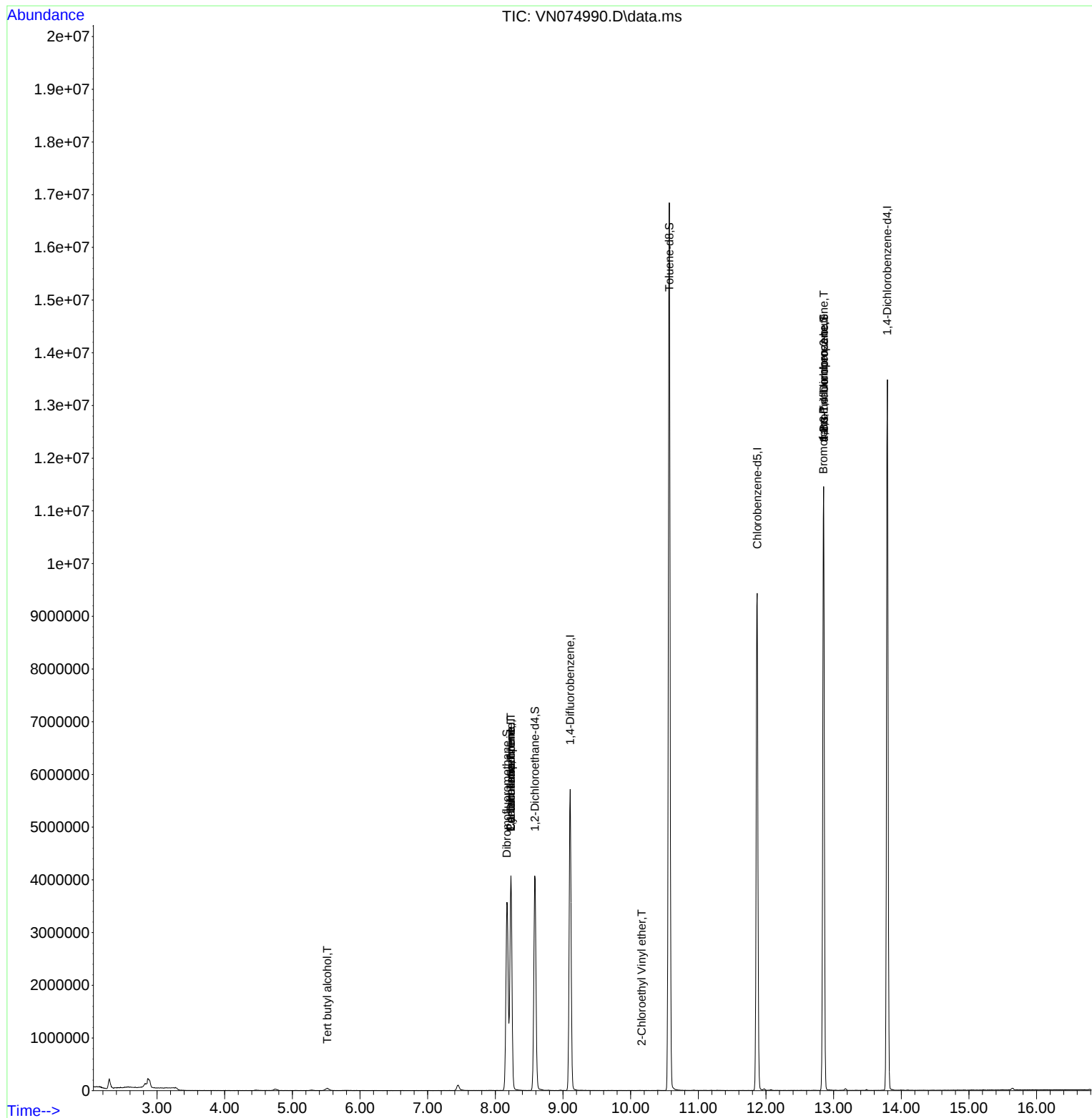
Internal Standards						
1) Pentafluorobenzene	8.230	168	2782520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	4899129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	5464965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	3432044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	3279112	44.355	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.700%
35) Dibromofluoromethane	8.171	113	2476279	42.466	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	84.940%
50) Toluene-d8	10.571	98	11374021	50.838	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.680%
62) 4-Bromofluorobenzene	12.853	95	3837791	48.630	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.260%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	2263	Below Cal	#	39
4) Vinyl Chloride	2.524	62	169	Below Cal	#	44
5) Bromomethane	2.930	94	3330	Below Cal	#	69
7) Trichlorofluoromethane	3.289	101	196	Below Cal	#	18
11) Tert butyl alcohol	5.518	59	33973	2.174 ug/l	#	76
12) 1,1-Dichloroethene	4.183	96	229	Below Cal	#	1
13) Acrolein	4.195	56	628	Below Cal	#	69
16) Acetone	4.465	43	11363	Below Cal		91
17) Carbon Disulfide	4.718	76	487	Below Cal	#	74
20) Methylene Chloride	5.277	84	5026	Below Cal	#	86
21) trans-1,2-Dichloroethene	5.794	96	125	Below Cal	#	1
31) Cyclohexane	8.230	56	71516	0.947 ug/l	#	39
36) 1,1-Dichloropropene	8.230	75	257502	3.506 ug/l	#	49
38) Carbon Tetrachloride	8.230	117	306033	3.828 ug/l	#	15
58) 2-Chloroethyl Vinyl ether	10.165	63	59	3.610 ug/l	#	45
71) Bromoform	12.847	173	29447	0.626 ug/l	#	1
76) 1,2,3-Trichloropropane	12.853	75	2098363	22.545 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	2098363	72.285 ug/l	#	10

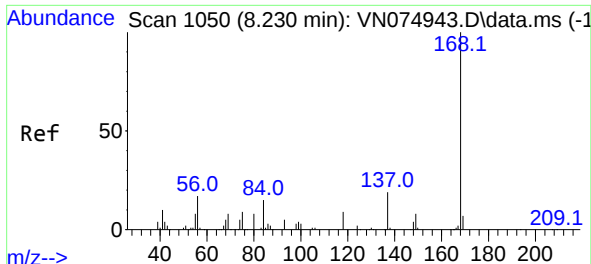
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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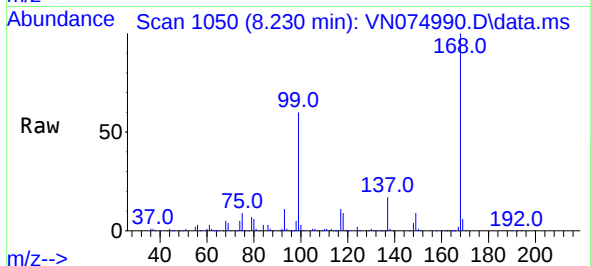
Quant Time: Oct 25 06:51:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 21 09:37:47 2022
Response via : Initial Calibration



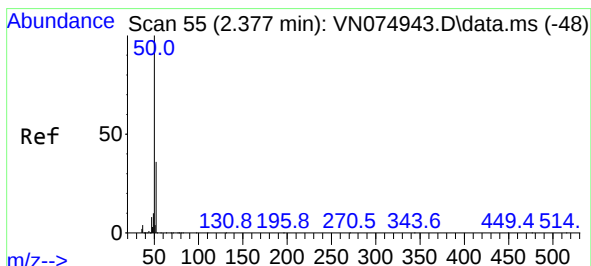
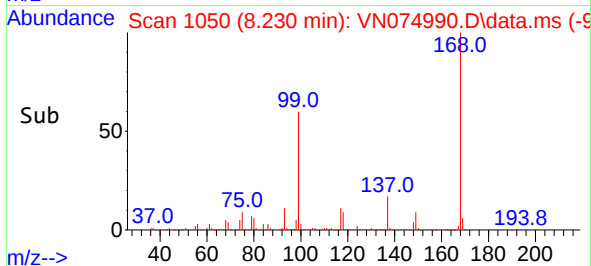
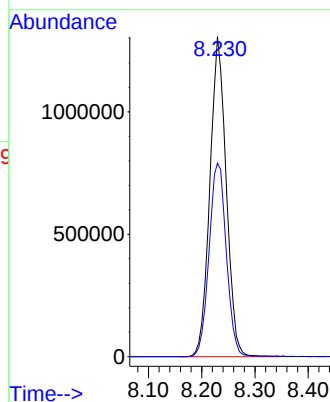


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074990.D
Acq: 24 Oct 2022 17:49

Instrument :
MSVOA_N
ClientSampleId :

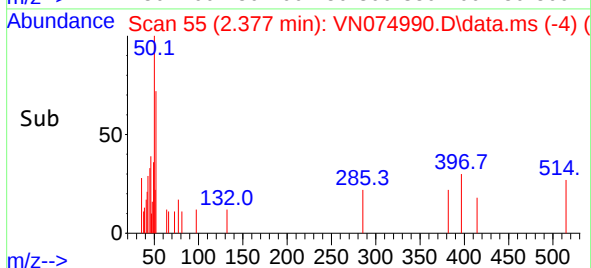
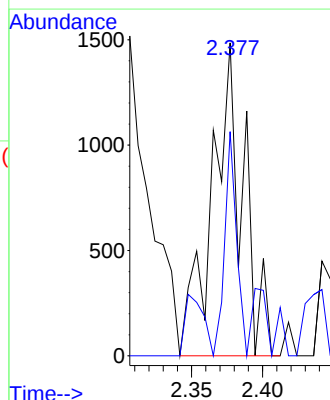
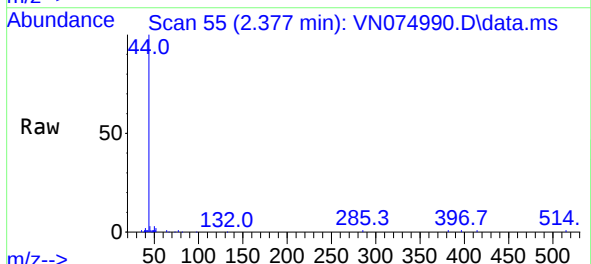


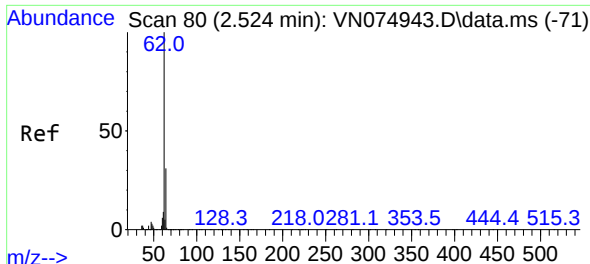
Tgt Ion:168 Resp: 2782520
Ion Ratio Lower Upper
168 100
99 60.5 52.2 78.4



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 55
Delta R.T. 0.000 min
Lab File: VN074990.D
Acq: 24 Oct 2022 17:49

Tgt Ion: 50 Resp: 2263
Ion Ratio Lower Upper
50 100
52 71.6 28.8 43.2#

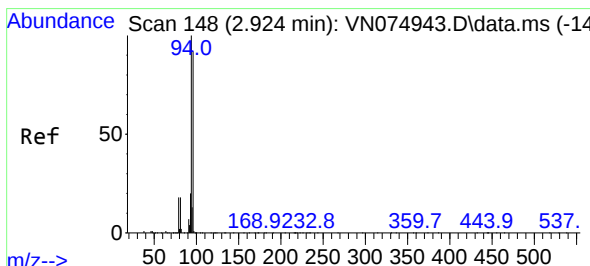
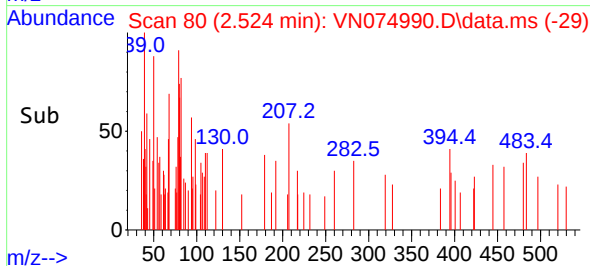
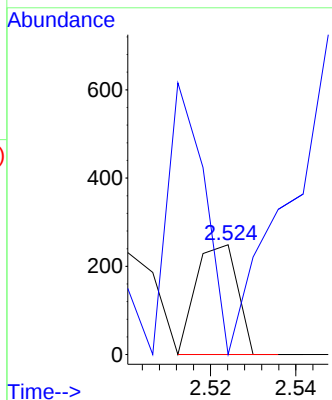
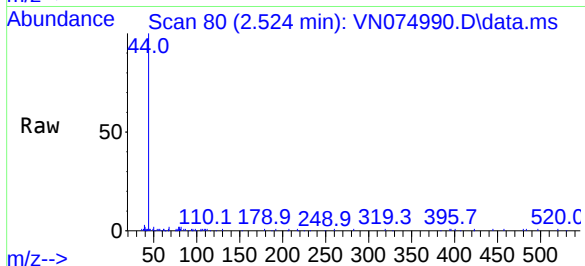




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.524 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VN074990.D
 Acq: 24 Oct 2022 17:49

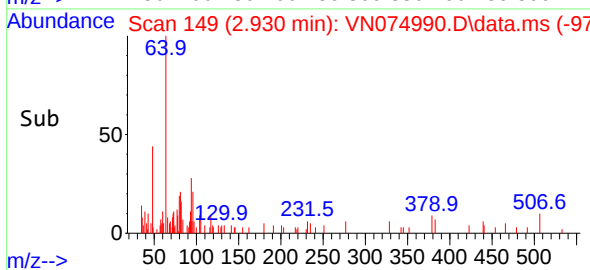
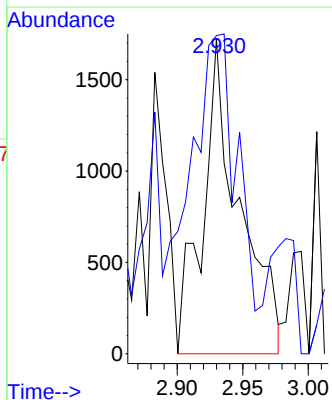
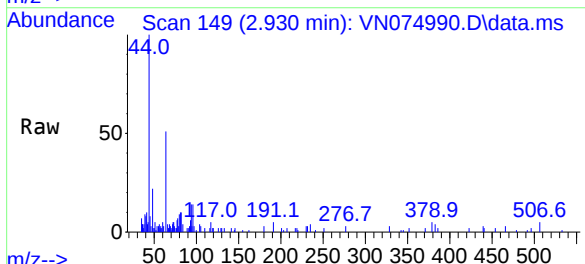
Instrument :
 MSVOA_N
 ClientSampleId :

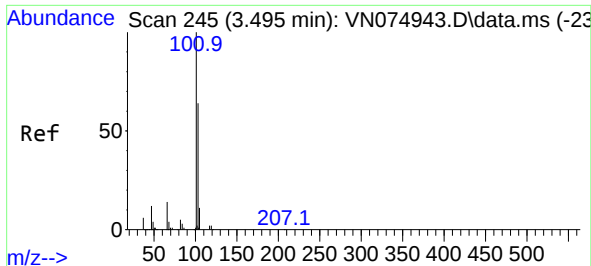
Tgt Ion: 62 Resp: 169
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.5 36.7#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.930 min Scan# 149
 Delta R.T. 0.006 min
 Lab File: VN074990.D
 Acq: 24 Oct 2022 17:49

Tgt Ion: 94 Resp: 3330
 Ion Ratio Lower Upper
 94 100
 96 62.1 73.5 110.3#

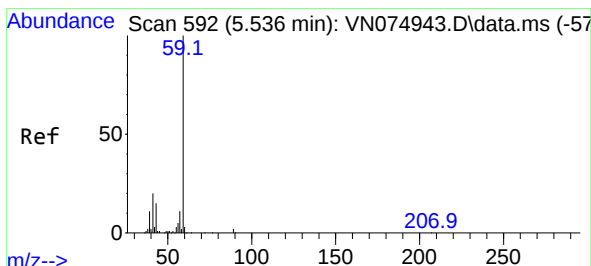
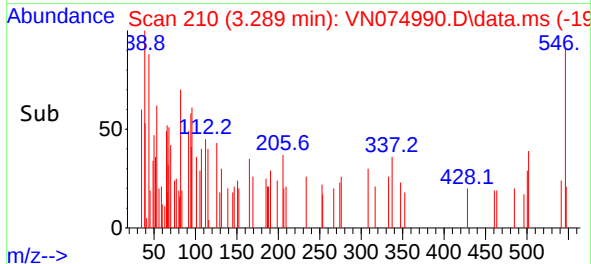
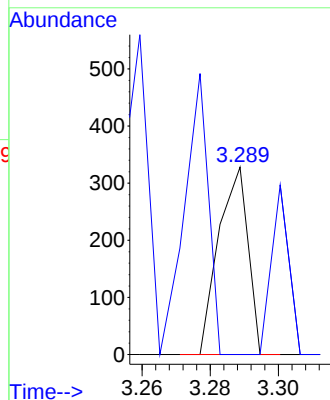
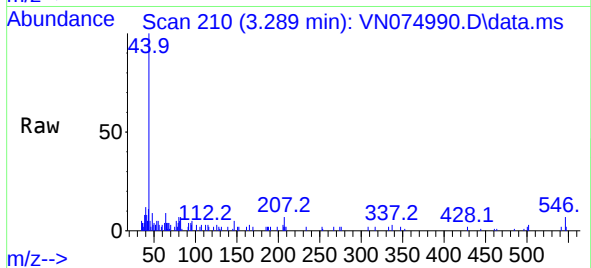




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.289 min Scan# 210
Delta R.T. -0.206 min
Lab File: VN074990.D
Acq: 24 Oct 2022 17:49

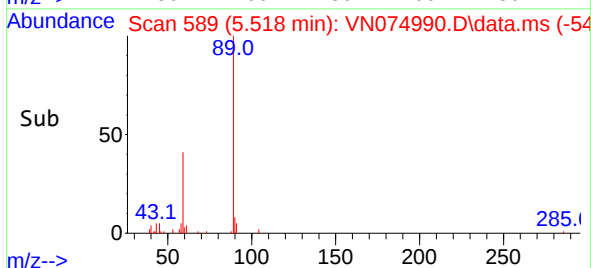
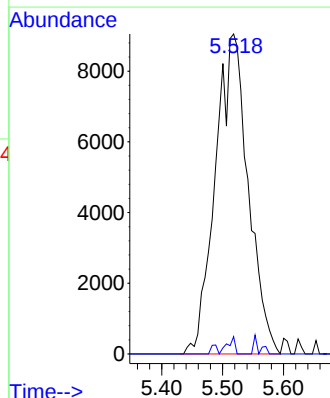
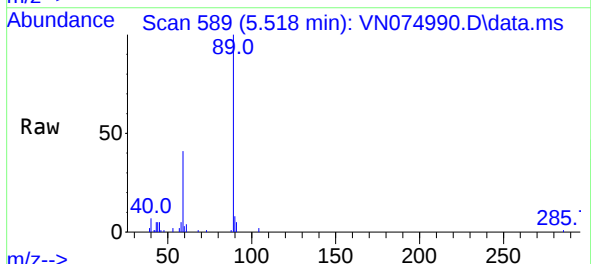
Instrument :
MSVOA_N
ClientSampleId :

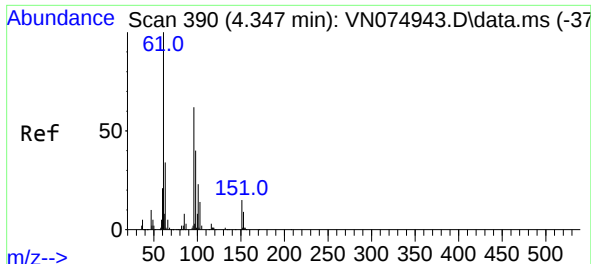
Tgt Ion:101 Resp: 196
Ion Ratio Lower Upper
101 100
103 0.0 51.5 77.3#



#11
Tert butyl alcohol
Concen: 2.174 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.018 min
Lab File: VN074990.D
Acq: 24 Oct 2022 17:49

Tgt Ion: 59 Resp: 33973
Ion Ratio Lower Upper
59 100
57 1.2 8.2 12.4#





#12

1,1-Dichloroethene

Concen: Below Cal

RT: 4.183 min Scan# 30

Delta R.T. -0.164 min

Lab File: VN074990.D

Acq: 24 Oct 2022 17:49

Instrument :

MSVOA_N

ClientSampleId :

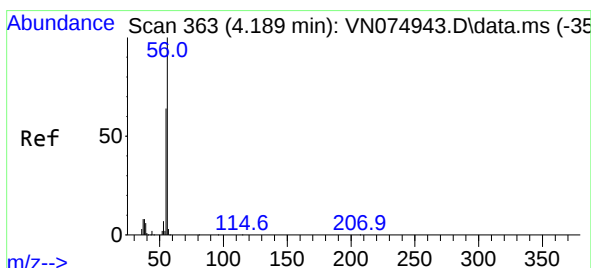
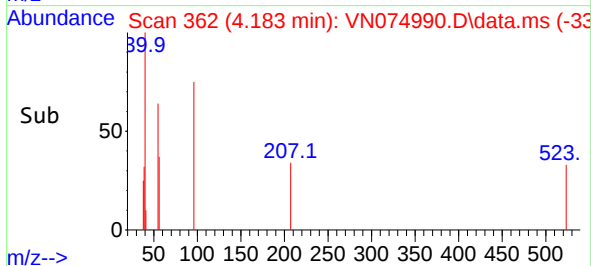
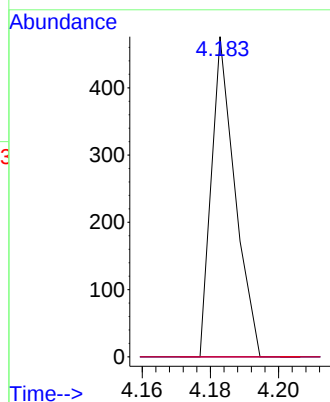
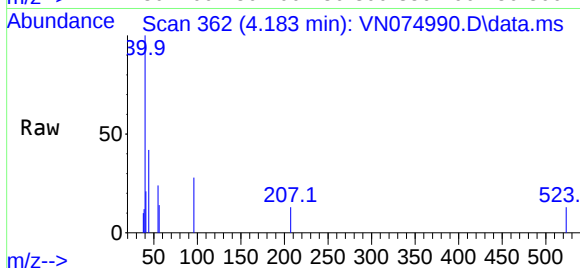
Tgt Ion: 96 Resp: 229

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: 4.195 min Scan# 364

Delta R.T. 0.006 min

Lab File: VN074990.D

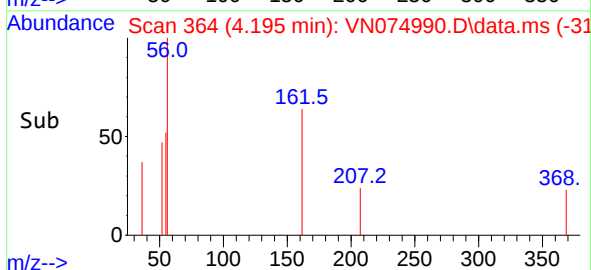
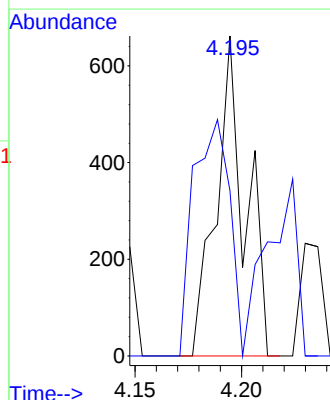
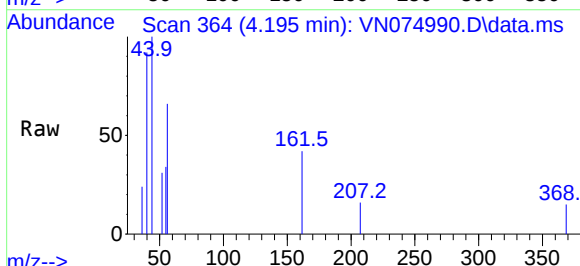
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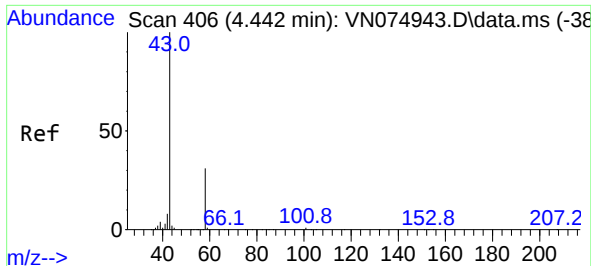
Tgt Ion: 56 Resp: 628

Ion Ratio Lower Upper

56 100

55 91.9 53.7 80.5#

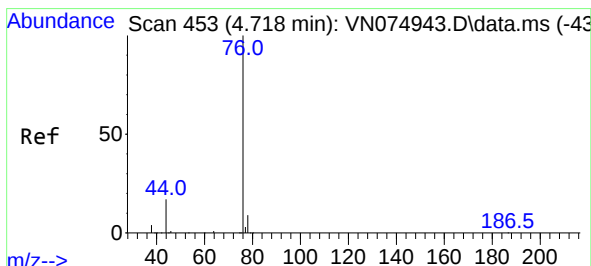
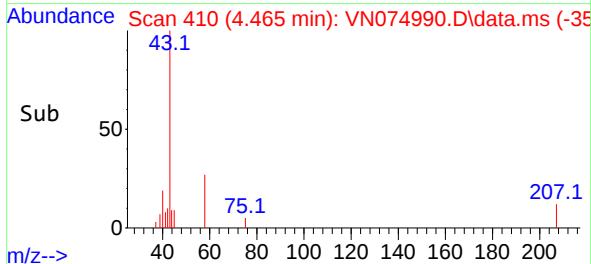
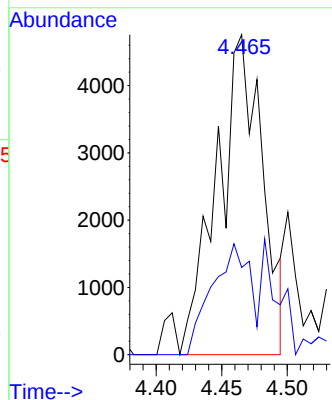
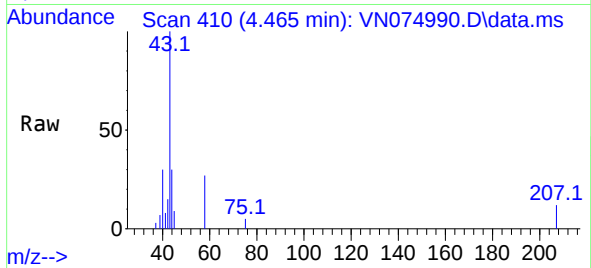




#16
Acetone
Concen: Below Cal
RT: 4.465 min Scan# 410
Delta R.T. 0.023 min
Lab File: VN074990.D
Acq: 24 Oct 2022 17:49

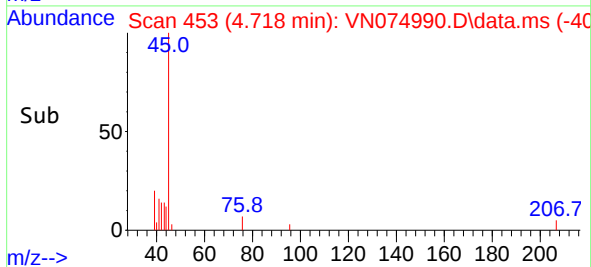
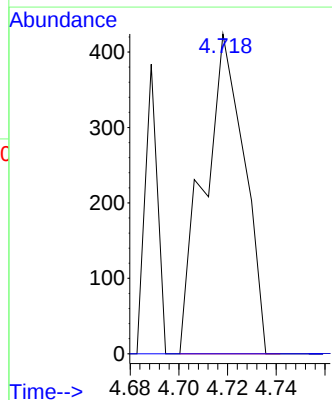
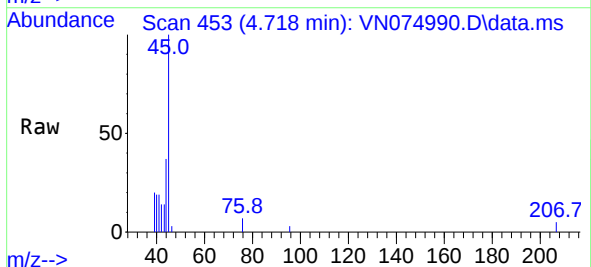
Instrument :
MSVOA_N
ClientSampleId :

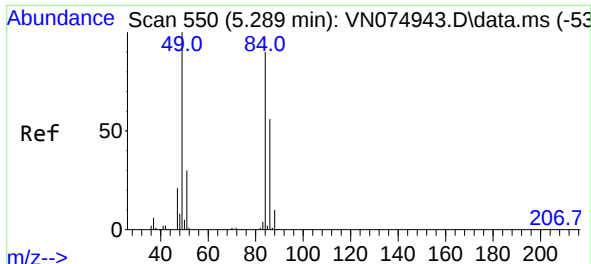
Tgt Ion: 43 Resp: 11363
Ion Ratio Lower Upper
43 100
58 27.3 25.7 38.5



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.718 min Scan# 453
Delta R.T. 0.000 min
Lab File: VN074990.D
Acq: 24 Oct 2022 17:49

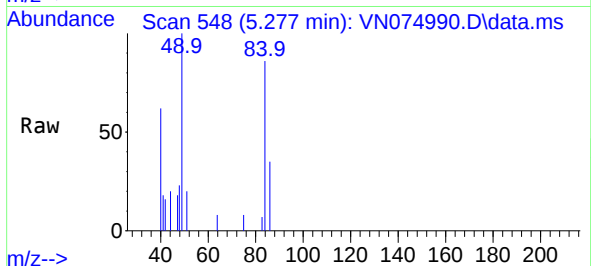
Tgt Ion: 76 Resp: 487
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#





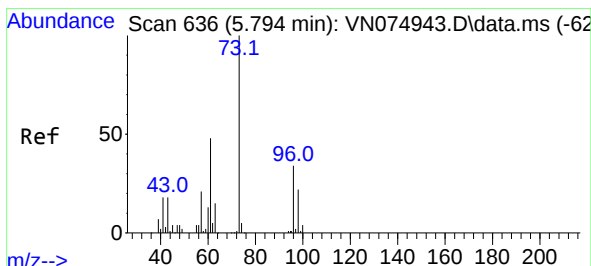
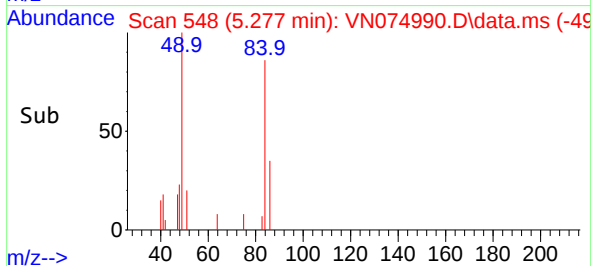
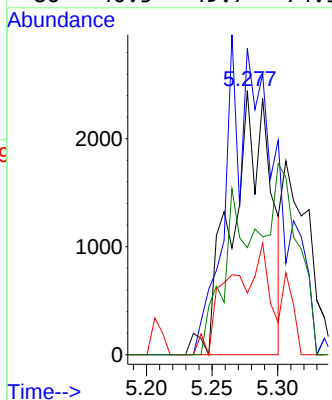
#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 54
Delta R.T. -0.012 min
Lab File: VN074990.D
Acq: 24 Oct 2022 17:49

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 5026

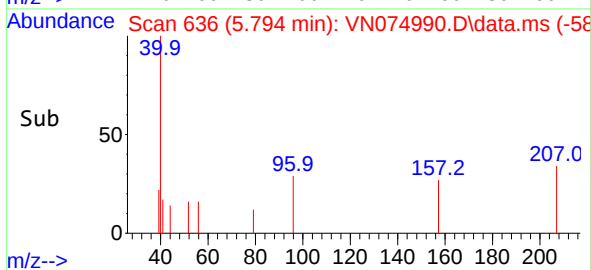
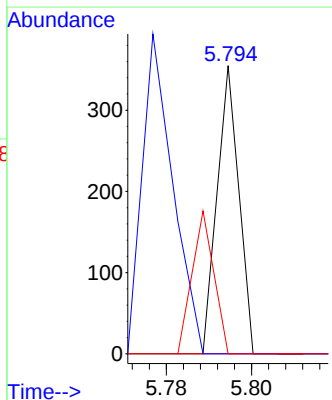
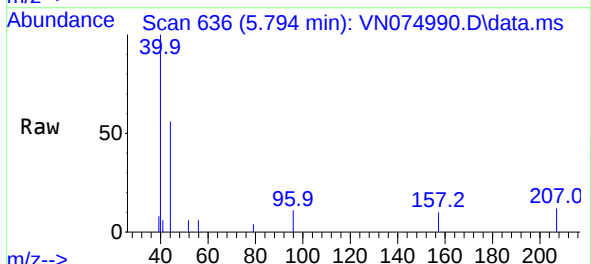
Ion	Ratio	Lower	Upper
84	100		
49	116.1	88.6	133.0
51	23.4	26.7	40.1#
86	40.5	49.7	74.5#

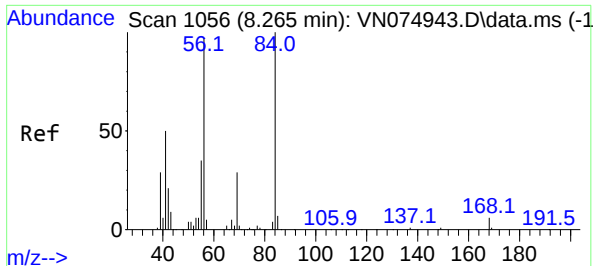


#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.794 min Scan# 636
Delta R.T. 0.000 min
Lab File: VN074990.D
Acq: 24 Oct 2022 17:49

Tgt Ion: 96 Resp: 125

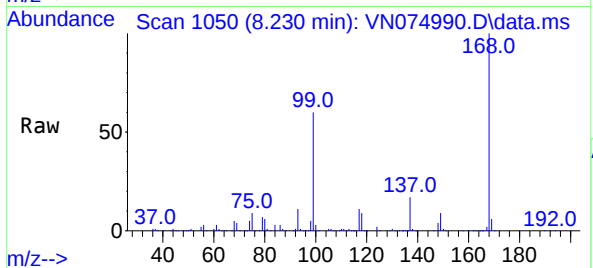
Ion	Ratio	Lower	Upper
96	100		
61	0.0	112.6	169.0#
98	0.0	52.4	78.6#



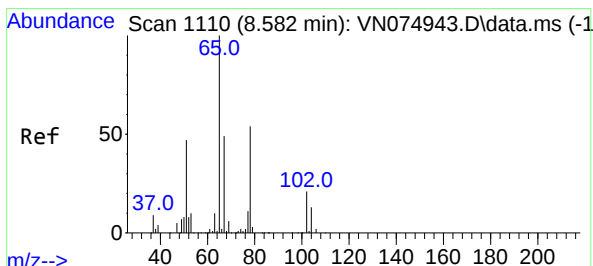
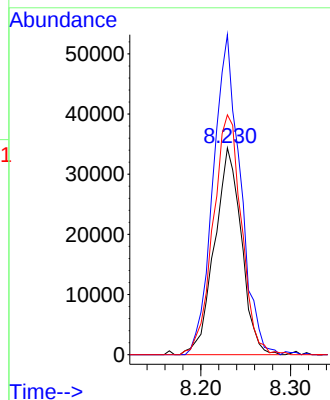
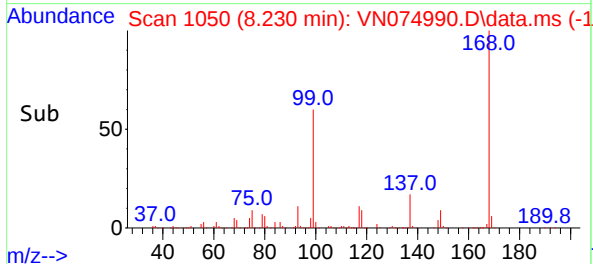


#31
Cyclohexane
Concen: 0.947 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN074990.D
Acq: 24 Oct 2022 17:49

Instrument :
MSVOA_N
ClientSampleId :

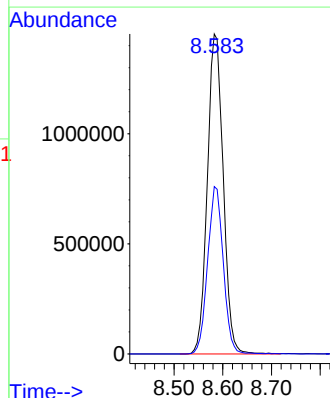
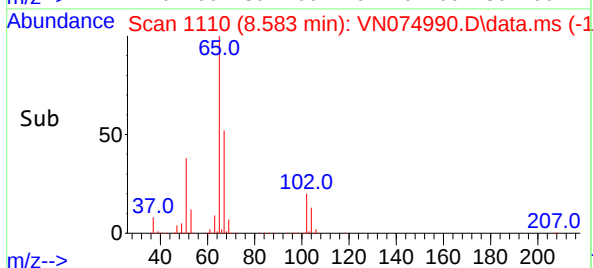
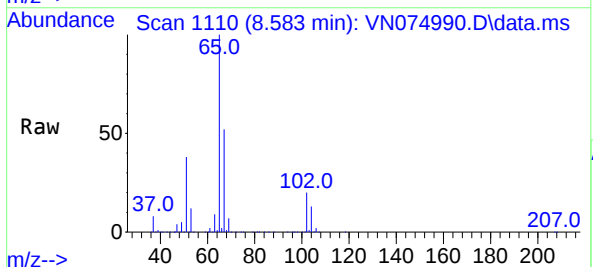


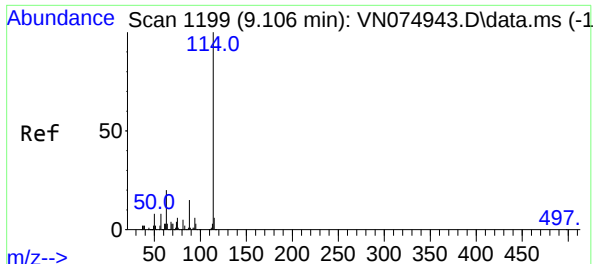
Tgt Ion: 56 Resp: 71516
Ion Ratio Lower Upper
56 100
69 154.8 24.2 36.2#
84 116.0 82.8 124.2



#33
1,2-Dichloroethane-d4
Concen: 44.355 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN074990.D
Acq: 24 Oct 2022 17:49

Tgt Ion: 65 Resp: 3279112
Ion Ratio Lower Upper
65 100
67 51.6 0.0 102.6

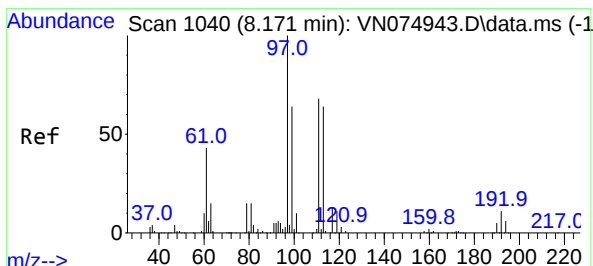
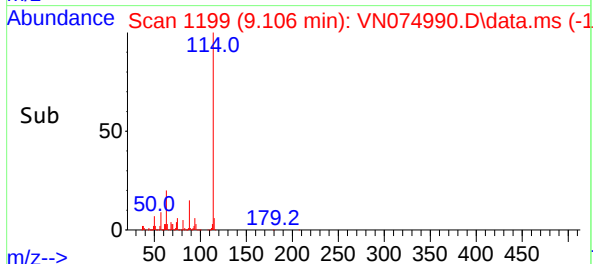
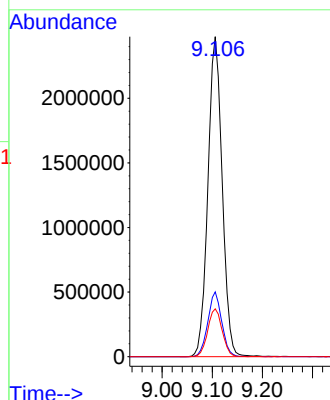
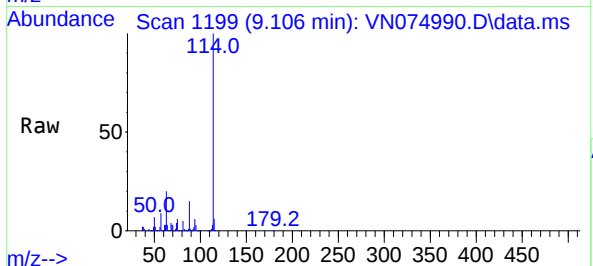




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN074990.D
Acq: 24 Oct 2022 17:49

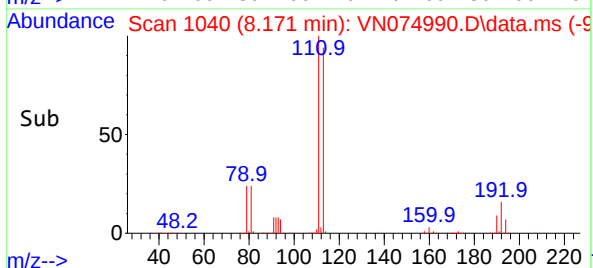
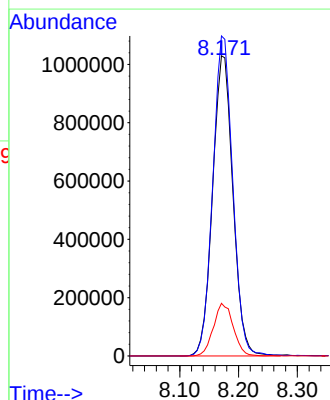
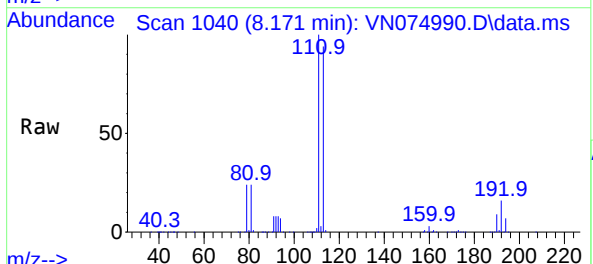
Instrument :
MSVOA_N
ClientSampleId :

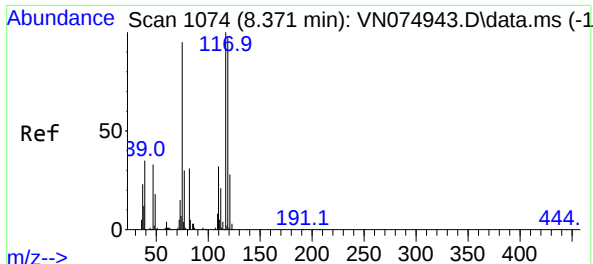
Tgt Ion:114 Resp: 4899129
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.8
88 14.9 0.0 30.4



#35
Dibromofluoromethane
Concen: 42.466 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN074990.D
Acq: 24 Oct 2022 17:49

Tgt Ion:113 Resp: 2476279
Ion Ratio Lower Upper
113 100
111 104.3 83.4 125.2
192 17.1 13.3 19.9





#36

1,1-Dichloropropene

Concen: 3.506 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN074990.D

Acq: 24 Oct 2022 17:49

Instrument :

MSVOA_N

ClientSampleId :

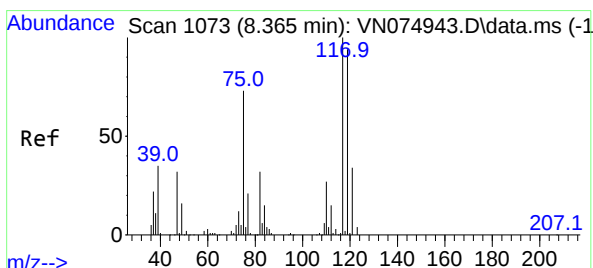
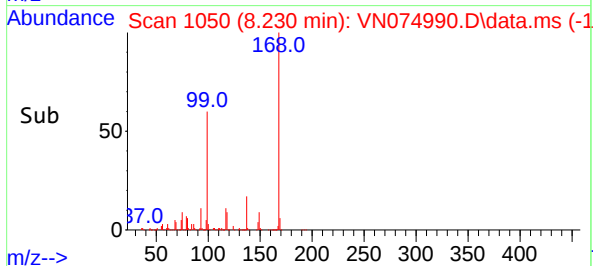
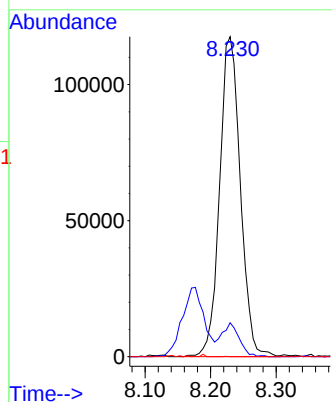
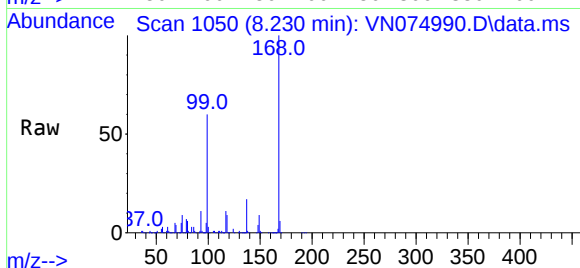
Tgt Ion: 75 Resp: 257502

Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.4#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 3.828 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN074990.D

Acq: 24 Oct 2022 17:49

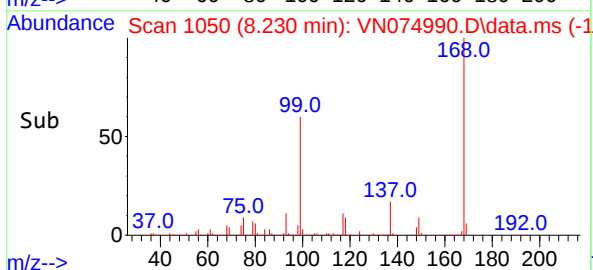
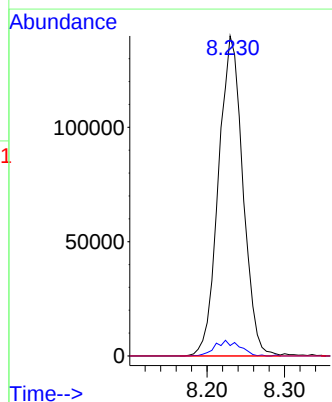
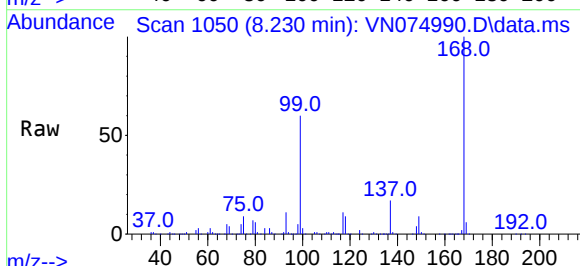
Tgt Ion: 117 Resp: 306033

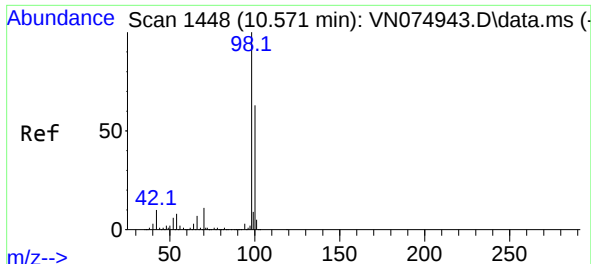
Ion Ratio Lower Upper

117 100

119 3.3 75.2 112.8#

121 0.0 27.0 40.6#

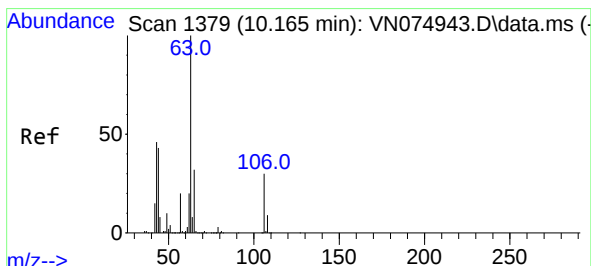
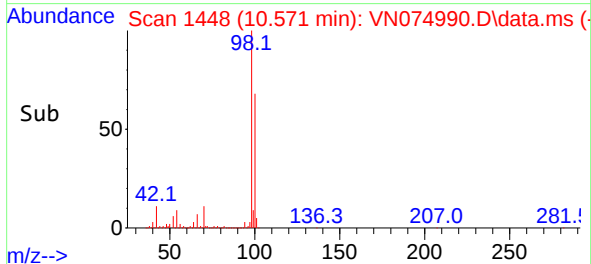
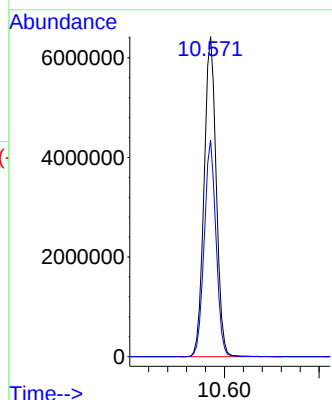
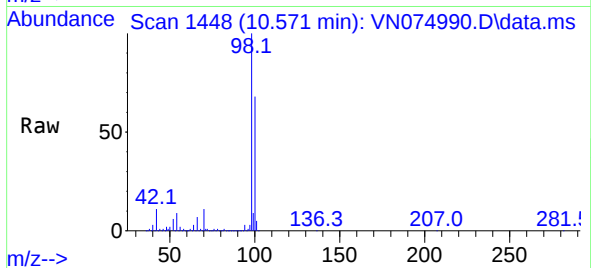




#50
Toluene-d8
Concen: 50.838 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN074990.D
Acq: 24 Oct 2022 17:49

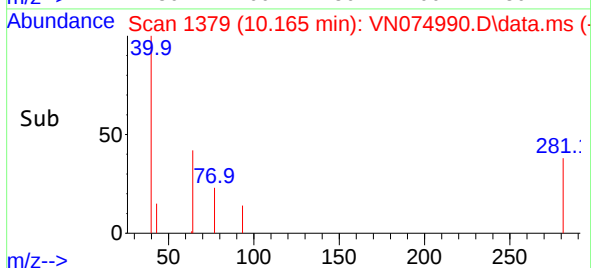
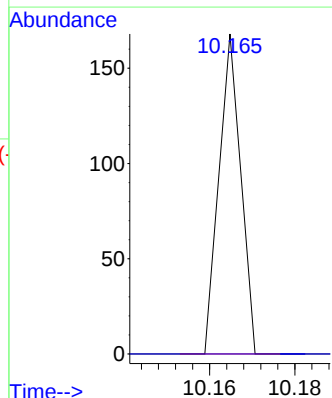
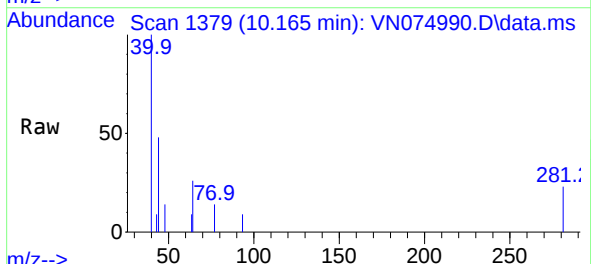
Instrument :
MSVOA_N
ClientSampleId :

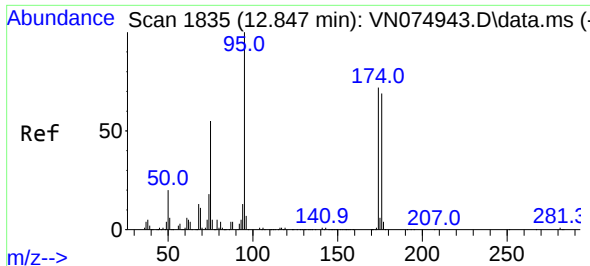
Tgt Ion: 98 Resp:11374021
Ion Ratio Lower Upper
98 100
100 65.8 51.4 77.2



#58
2-Chloroethyl Vinyl ether
Concen: 3.610 ug/l
RT: 10.165 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VN074990.D
Acq: 24 Oct 2022 17:49

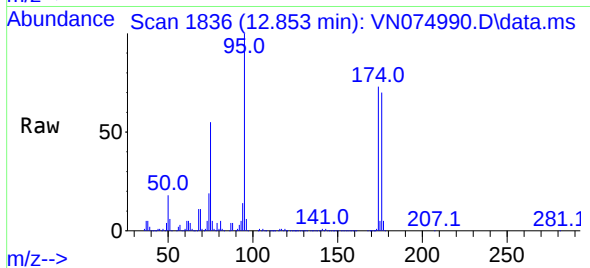
Tgt Ion: 63 Resp: 59
Ion Ratio Lower Upper
63 100
106 0.0 24.1 36.1#



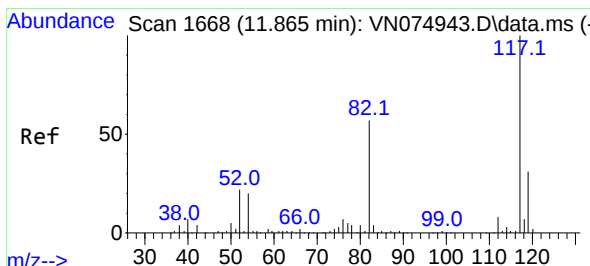
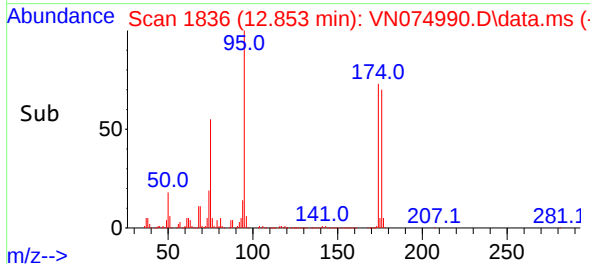
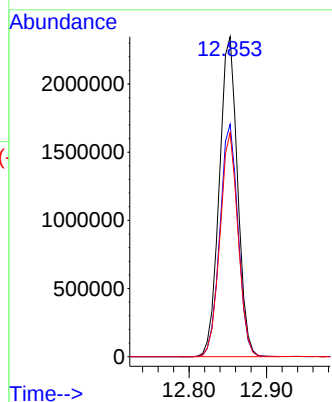


#62
4-Bromofluorobenzene
Concen: 48.630 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN074990.D
Acq: 24 Oct 2022 17:49

Instrument :
MSVOA_N
ClientSampleId :

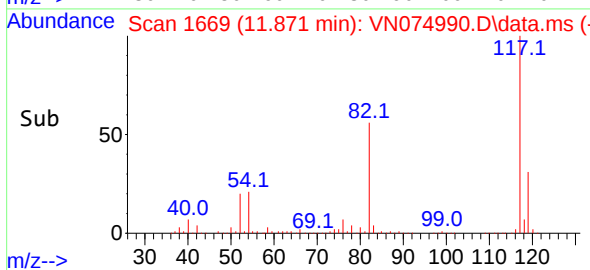
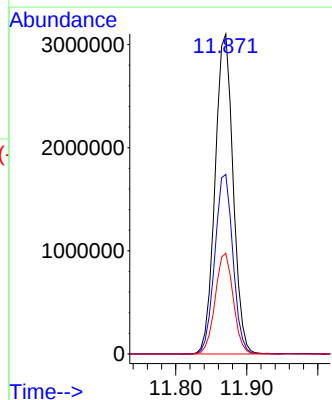
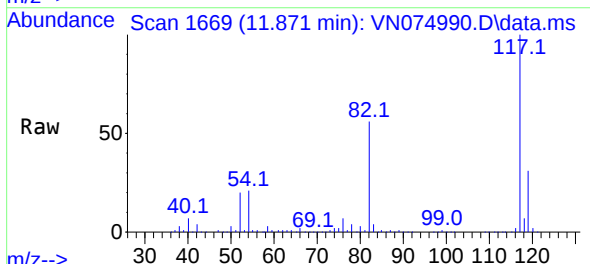


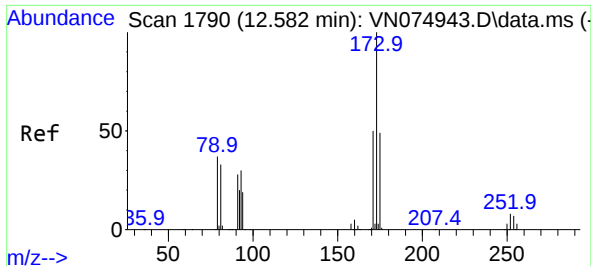
Tgt Ion: 95 Resp: 3837791
Ion Ratio Lower Upper
95 100
174 72.3 0.0 143.0
176 69.2 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN074990.D
Acq: 24 Oct 2022 17:49

Tgt Ion: 117 Resp: 5464965
Ion Ratio Lower Upper
117 100
82 56.1 45.6 68.4
119 31.5 25.1 37.7

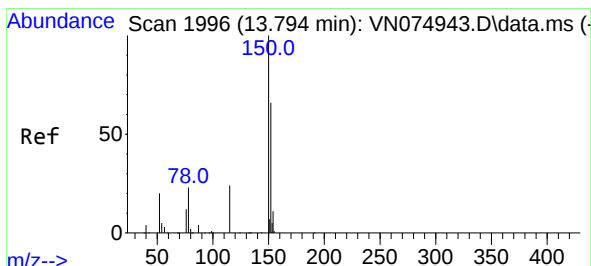
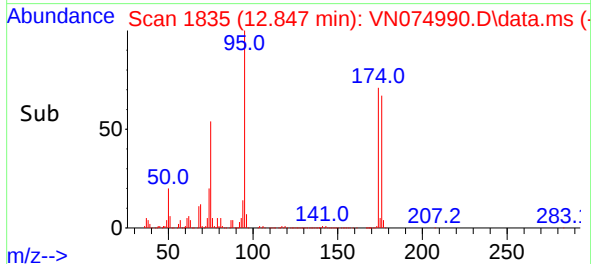
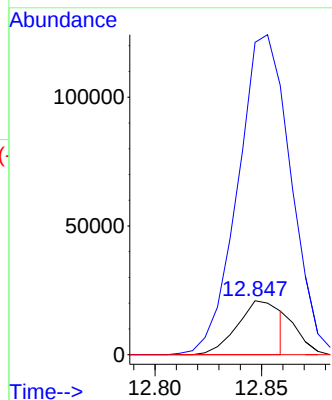
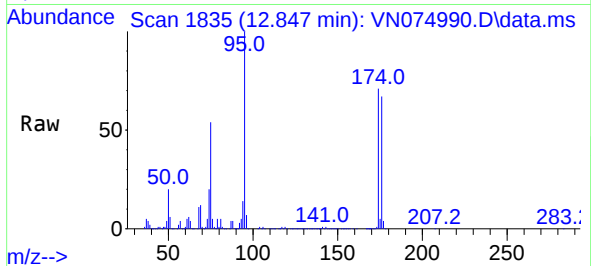




#71
Bromoform
Concen: 0.626 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN074990.D
Acq: 24 Oct 2022 17:49

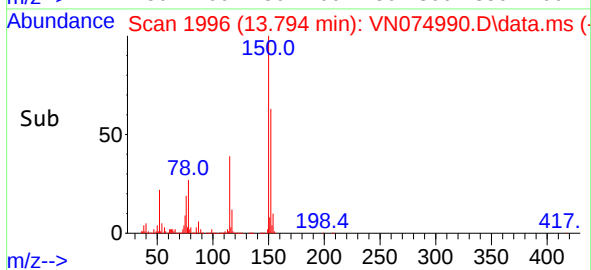
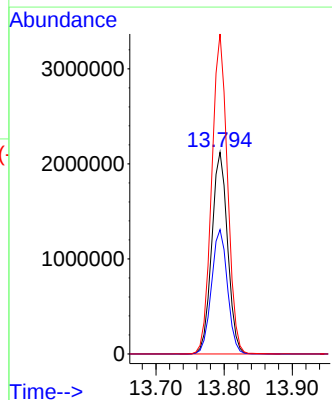
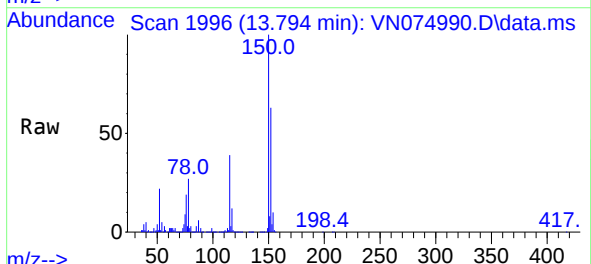
Instrument :
MSVOA_N
ClientSampleId :

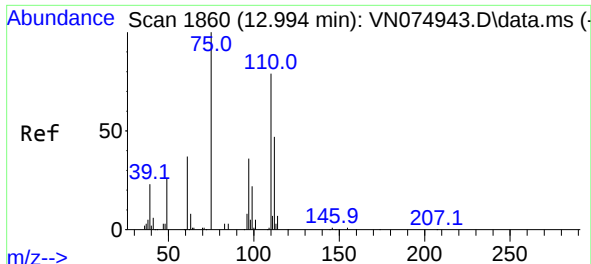
Tgt Ion:173 Resp: 29447
Ion Ratio Lower Upper
173 100
175 601.4 24.8 74.3#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN074990.D
Acq: 24 Oct 2022 17:49

Tgt Ion:152 Resp: 3432044
Ion Ratio Lower Upper
152 100
115 62.3 31.3 93.8
150 157.6 0.0 349.6

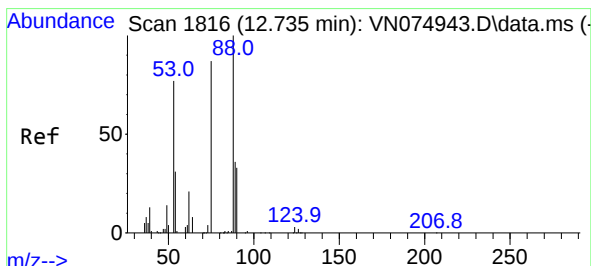
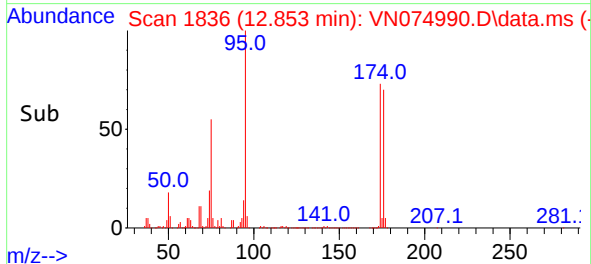
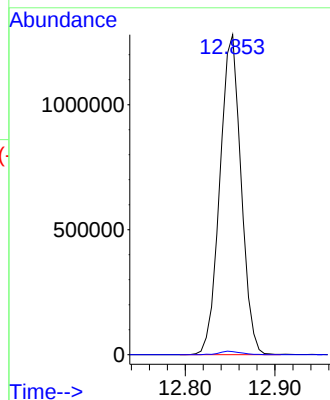
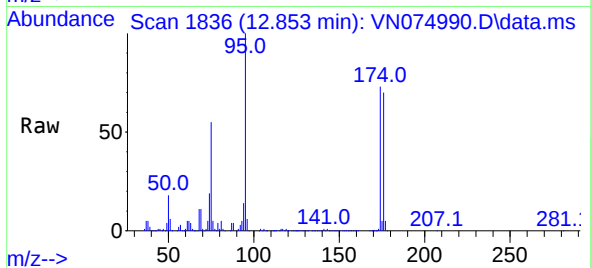




#76
1,2,3-Trichloropropane
Concen: 22.545 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074990.D
Acq: 24 Oct 2022 17:49

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 2098363
Ion Ratio Lower Upper
75 100
77 1.1 81.0 243.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.285 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN074990.D
Acq: 24 Oct 2022 17:49

Tgt Ion: 75 Resp: 2098363
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 37.9 56.9#

