

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102422\
 Data File : VN074992.D
 Acq On : 24 Oct 2022 18:38
 Operator : JC\MD
 Sample : N5249-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 06:51:49 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

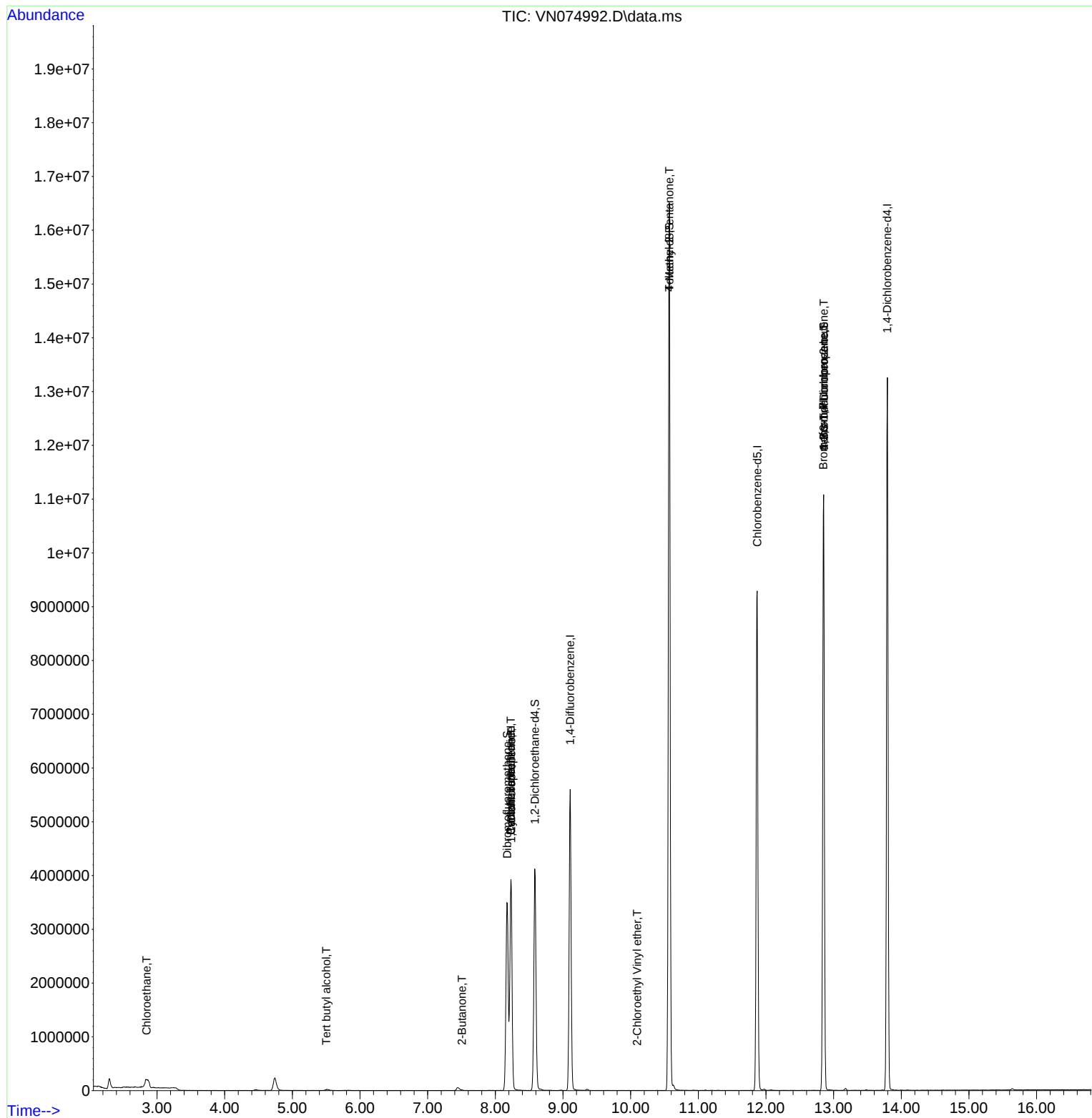
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	2752290	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	4804587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	5345001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	3358654	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	3276942	44.812	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.620%
35) Dibromofluoromethane	8.177	113	2476479	43.305	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.620%
50) Toluene-d8	10.571	98	11266638	51.349	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.700%
62) 4-Bromofluorobenzene	12.853	95	3748795	48.437	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.880%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	3044	Below Cal	#	79
4) Vinyl Chloride	2.518	62	151	Below Cal	#	44
5) Bromomethane	2.936	94	2855	Below Cal	#	73
6) Chloroethane	2.848	64	158001	0.946	ug/l #	48
7) Trichlorofluoromethane	3.353	101	60	Below Cal	#	18
11) Tert butyl alcohol	5.500	59	6523	0.422	ug/l #	81
12) 1,1-Dichloroethene	4.347	96	60	Below Cal	#	1
13) Acrolein	4.212	56	84	Below Cal	#	1
16) Acetone	4.453	43	30186	Below Cal	#	80
17) Carbon Disulfide	4.718	76	604	Below Cal	#	74
20) Methylene Chloride	5.289	84	181	Below Cal	#	63
21) trans-1,2-Dichloroethene	5.783	96	177	Below Cal	#	12
25) 2-Butanone	7.506	43	9549	0.214	ug/l	95
31) Cyclohexane	8.229	56	69100	0.925	ug/l #	34
36) 1,1-Dichloropropene	8.235	75	250036	3.472	ug/l #	41
38) Carbon Tetrachloride	8.229	117	299918	3.825	ug/l #	17
51) 4-Methyl-2-Pentanone	10.571	43	46127	0.529	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.094	63	78	3.611	ug/l #	45
71) Bromoform	12.847	173	30749	0.669	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	2067914	22.704	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	2067914	72.793	ug/l #	10

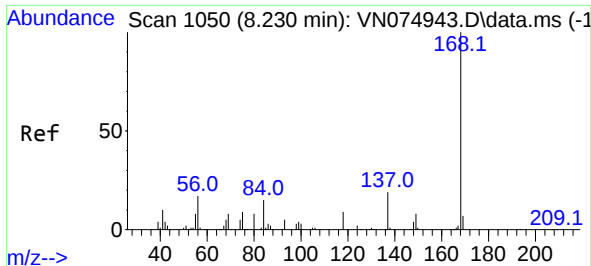
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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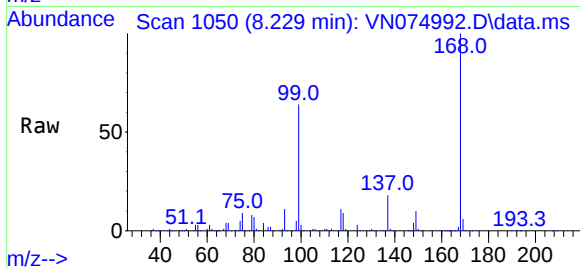
Quant Time: Oct 25 06:51:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
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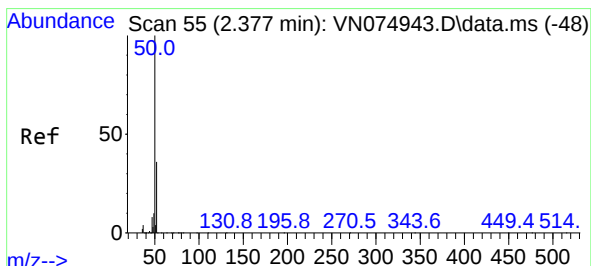
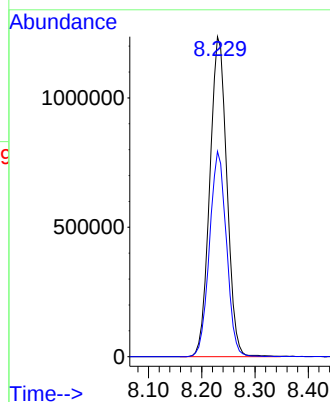
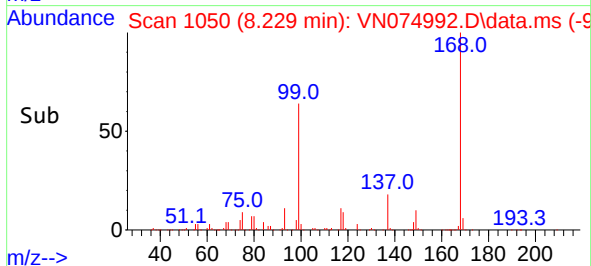


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

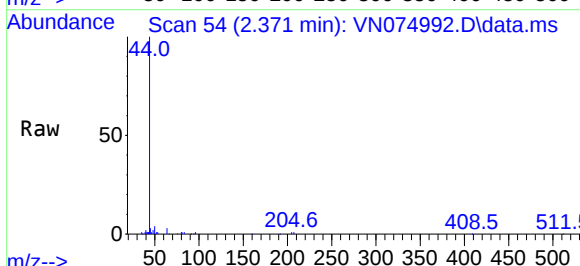
Instrument :
MSVOA_N
ClientSampleId :



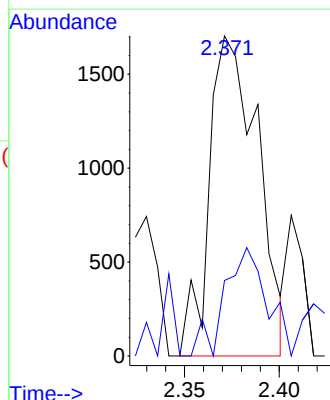
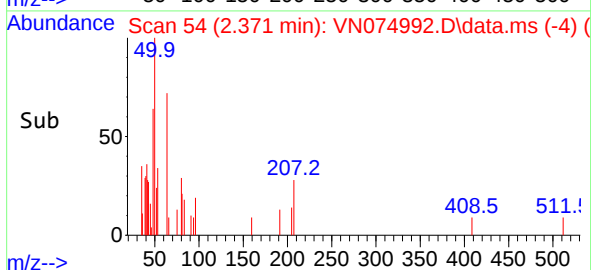
Tgt Ion:168 Resp: 2752290
Ion Ratio Lower Upper
168 100
99 64.1 52.2 78.4

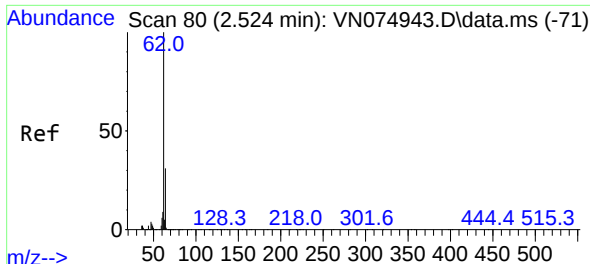


#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 54
Delta R.T. -0.006 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38



Tgt Ion: 50 Resp: 3044
Ion Ratio Lower Upper
50 100
52 23.6 28.8 43.2#

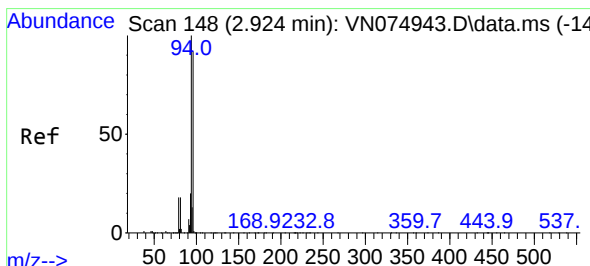
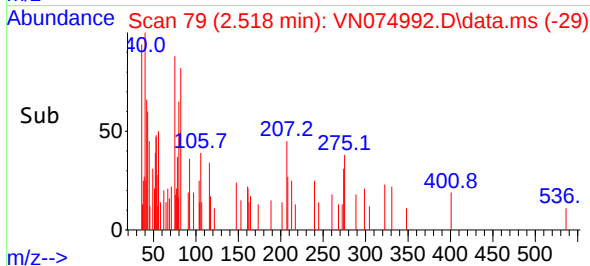
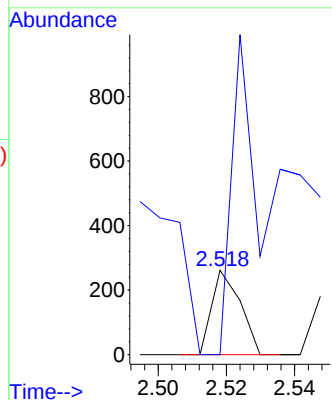
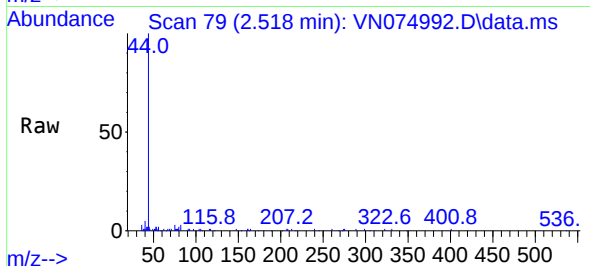




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.518 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: VN074992.D
 Acq: 24 Oct 2022 18:38

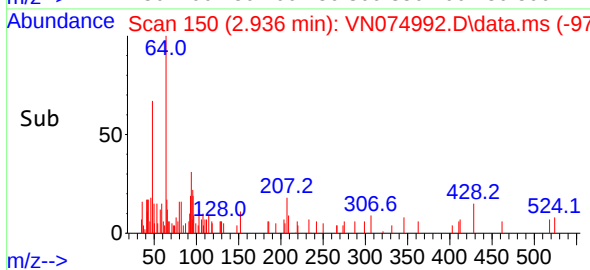
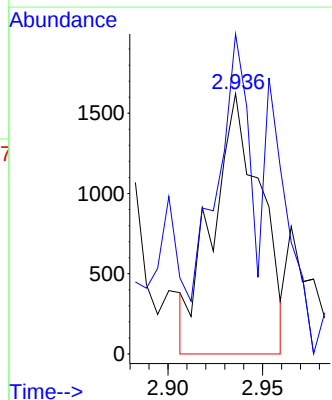
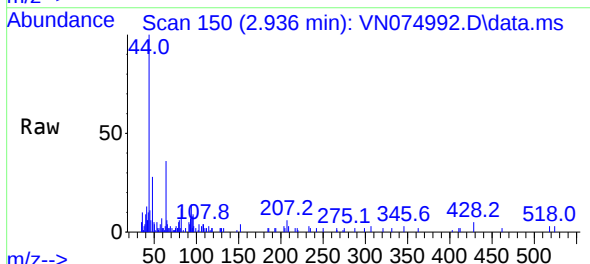
Instrument :
 MSVOA_N
 ClientSampleId :

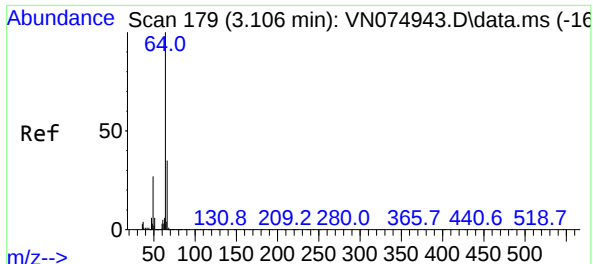
Tgt Ion: 62 Resp: 151
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.5 36.7#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.936 min Scan# 150
 Delta R.T. 0.012 min
 Lab File: VN074992.D
 Acq: 24 Oct 2022 18:38

Tgt Ion: 94 Resp: 2855
 Ion Ratio Lower Upper
 94 100
 96 117.4 73.5 110.3#

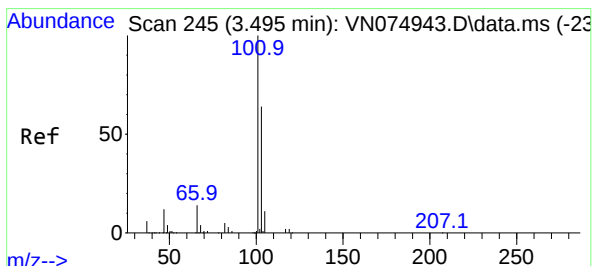
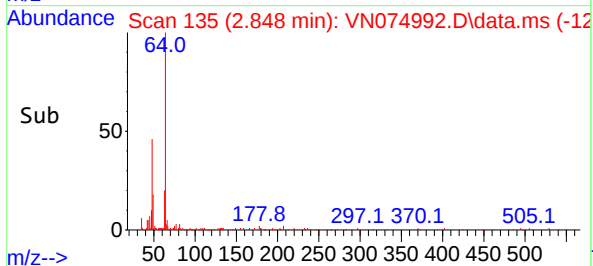
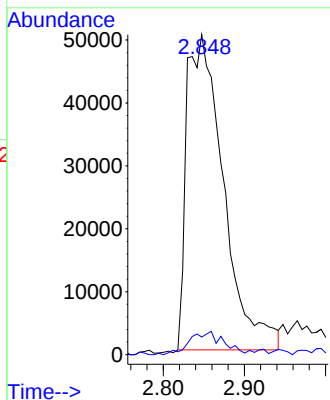
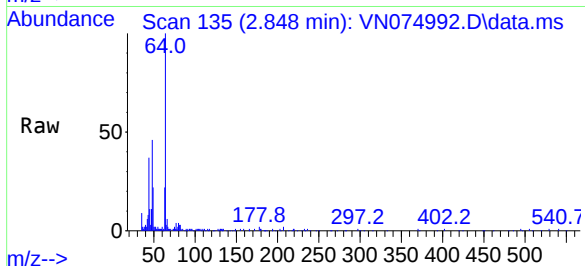




#6
Chloroethane
Concen: 0.946 ug/l
RT: 2.848 min Scan# 11
Delta R.T. -0.258 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

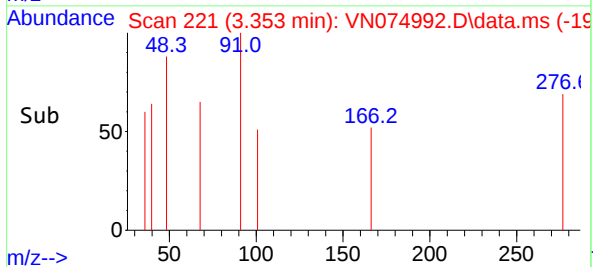
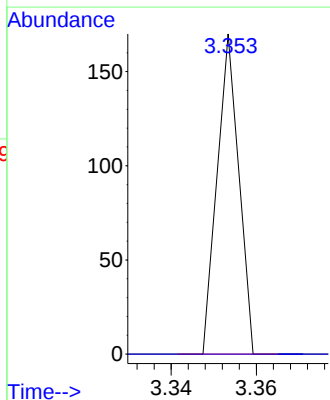
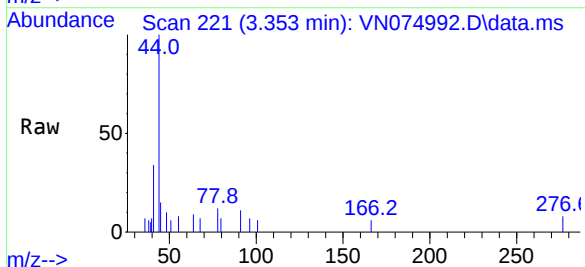
Instrument :
MSVOA_N
ClientSampleId :

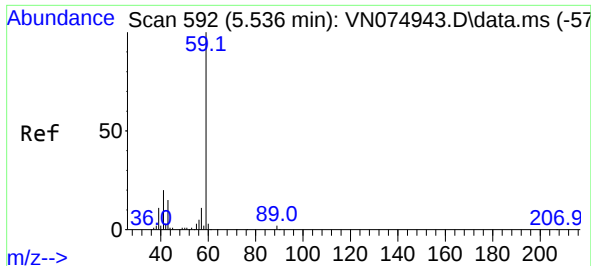
Tgt Ion: 64 Resp: 158001
Ion Ratio Lower Upper
64 100
66 4.7 27.9 41.9#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.353 min Scan# 221
Delta R.T. -0.142 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

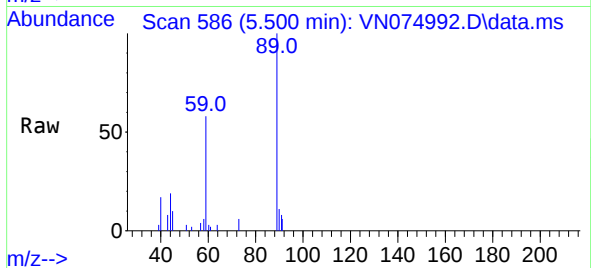
Tgt Ion:101 Resp: 60
Ion Ratio Lower Upper
101 100
103 0.0 51.5 77.3#



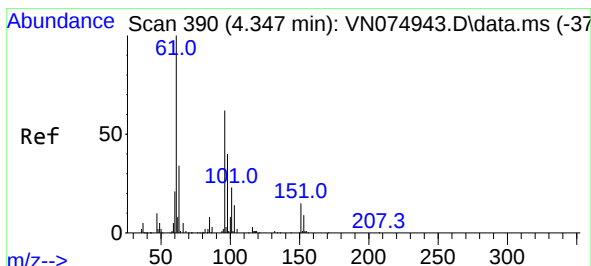
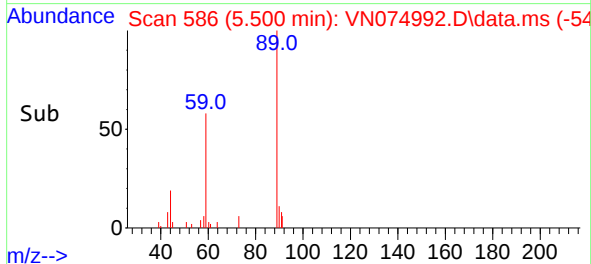
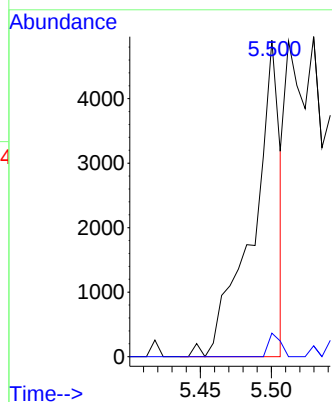


#11
Tert butyl alcohol
Concen: 0.422 ug/l
RT: 5.500 min Scan# 51
Delta R.T. -0.035 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

Instrument :
MSVOA_N
ClientSampleId :

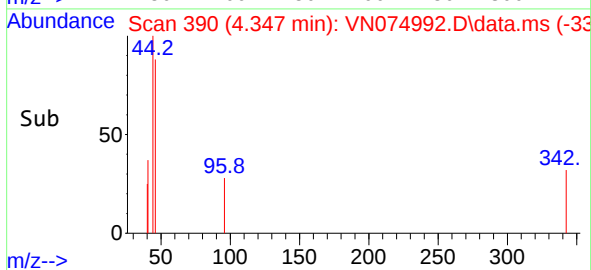
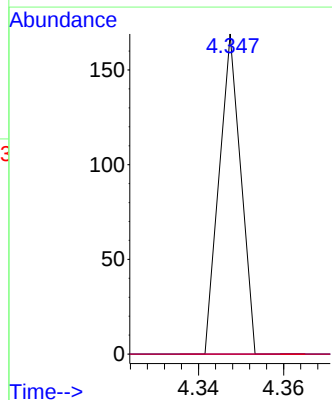
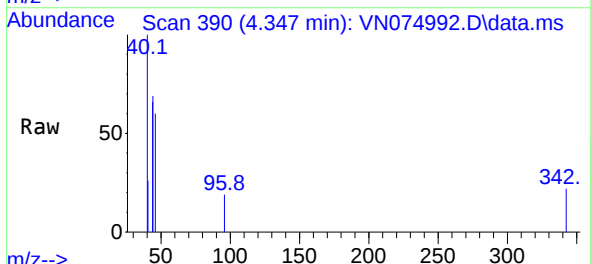


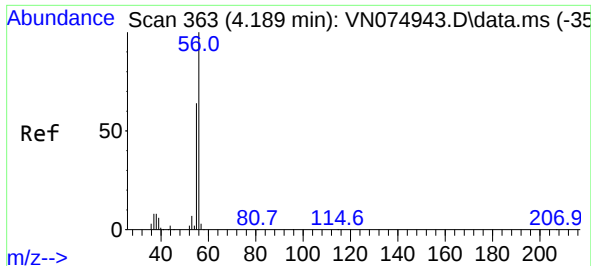
Tgt Ion: 59 Resp: 6523
Ion Ratio Lower Upper
59 100
57 3.3 8.2 12.4#



#12
1,1-Dichloroethene
Concen: Below Cal
RT: 4.347 min Scan# 390
Delta R.T. 0.000 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

Tgt Ion: 96 Resp: 60
Ion Ratio Lower Upper
96 100
61 0.0 128.9 193.3#
98 0.0 51.8 77.8#

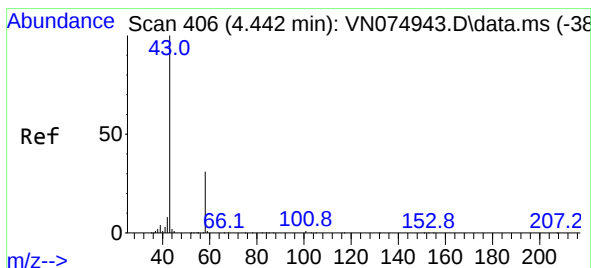
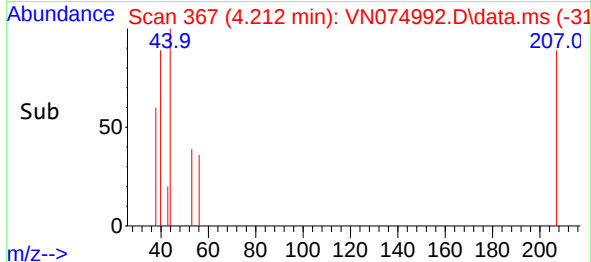
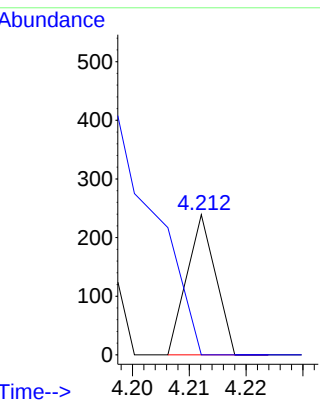
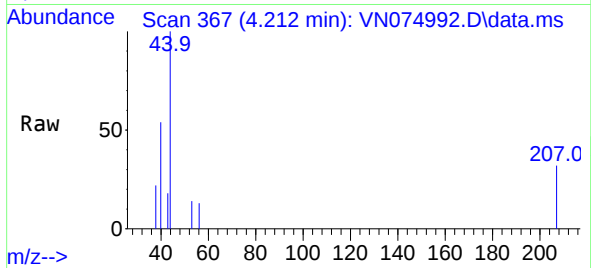




#13
Acrolein
Concen: Below Cal
RT: 4.212 min Scan# 30
Delta R.T. 0.023 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

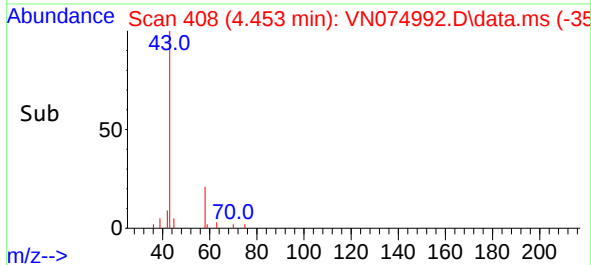
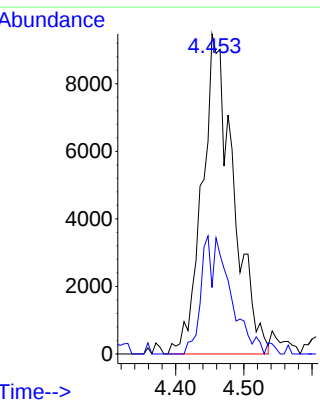
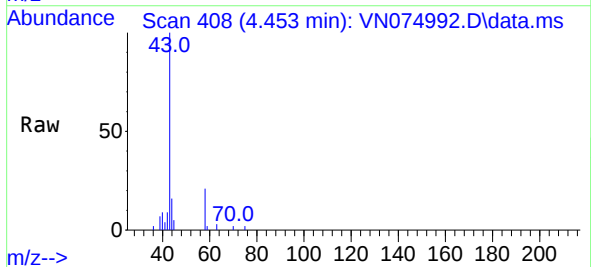
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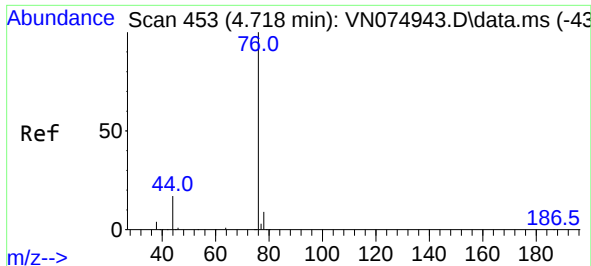
Tgt Ion: 56 Resp: 84
Ion Ratio Lower Upper
56 100
55 514.3 53.7 80.5#



#16
Acetone
Concen: Below Cal
RT: 4.453 min Scan# 408
Delta R.T. 0.011 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

Tgt Ion: 43 Resp: 30186
Ion Ratio Lower Upper
43 100
58 20.8 25.7 38.5#

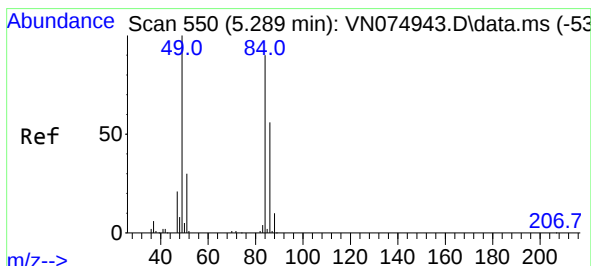
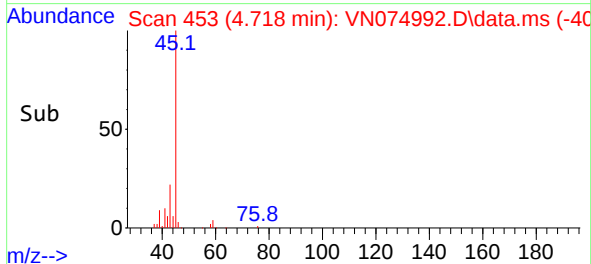
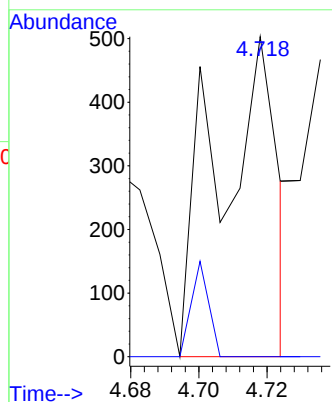
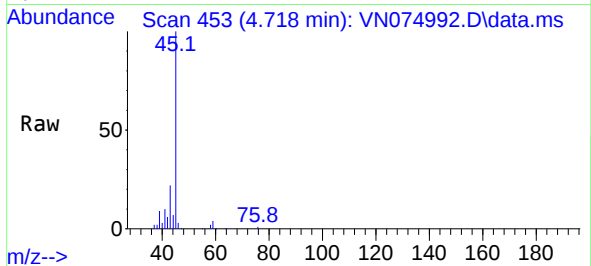




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.718 min Scan# 417
Delta R.T. -0.000 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

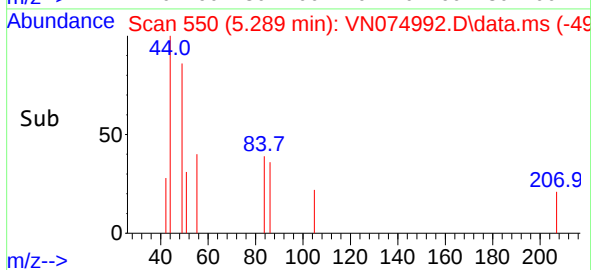
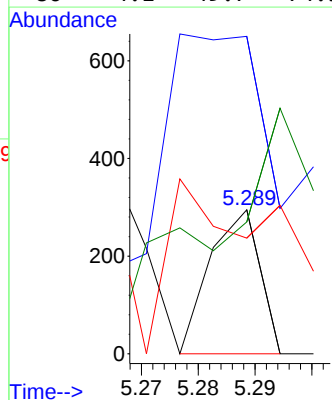
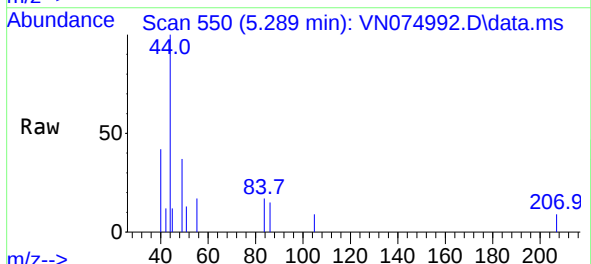
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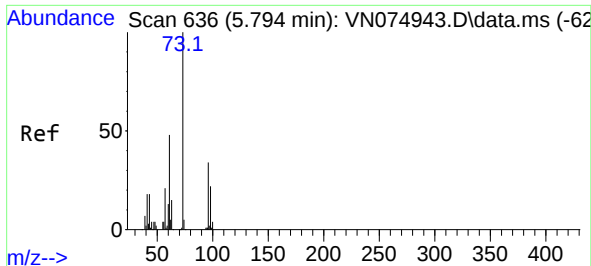
Tgt Ion: 76 Resp: 604
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

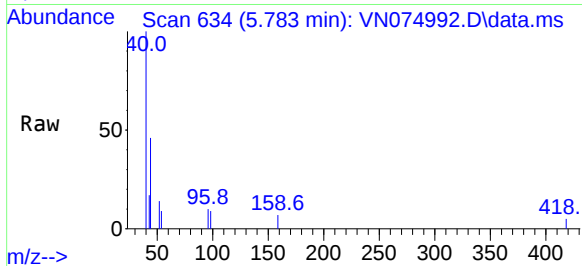
Tgt Ion: 84 Resp: 181
Ion Ratio Lower Upper
84 100
49 119.3 88.6 133.0
51 0.0 26.7 40.1#
86 4.1 49.7 74.5#



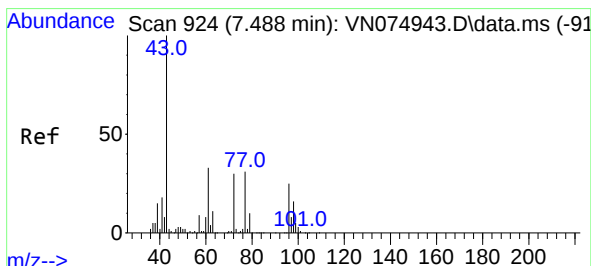
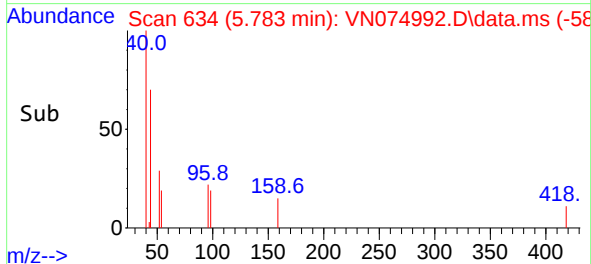
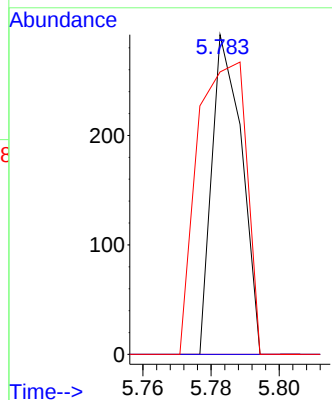


#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.783 min Scan# 61
Delta R.T. -0.011 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

Instrument :
MSVOA_N
ClientSampleId :

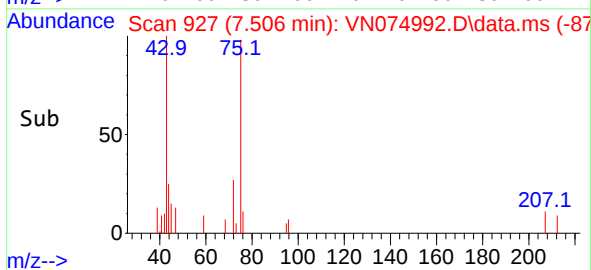
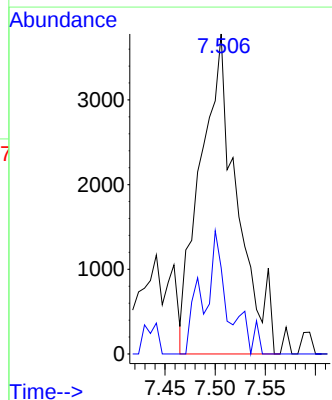
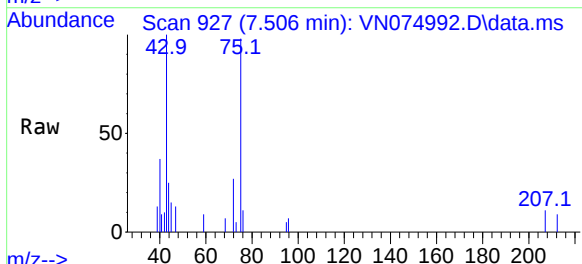


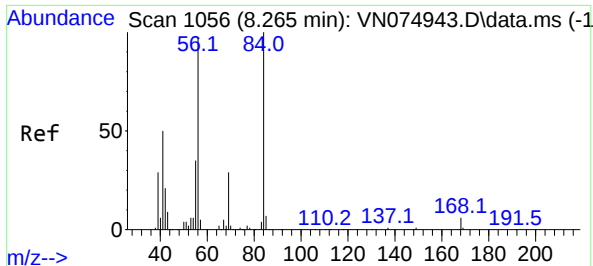
Tgt Ion: 96 Resp: 177
Ion Ratio Lower Upper
96 100
61 0.0 112.6 169.0#
98 88.4 52.4 78.6#



#25
2-Butanone
Concen: 0.214 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.018 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

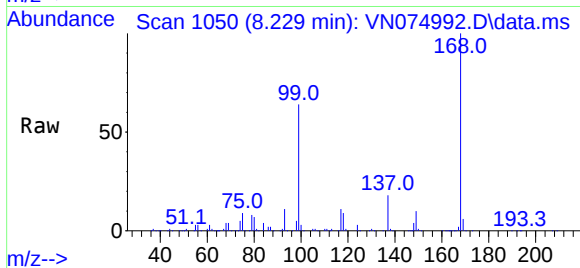
Tgt Ion: 43 Resp: 9549
Ion Ratio Lower Upper
43 100
72 27.0 23.9 35.9



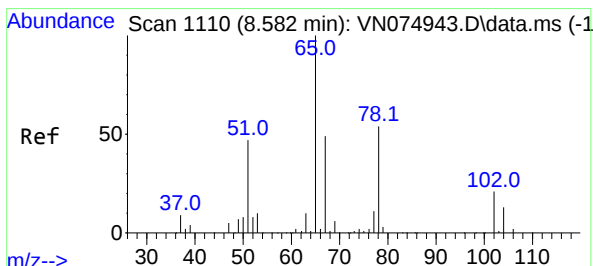
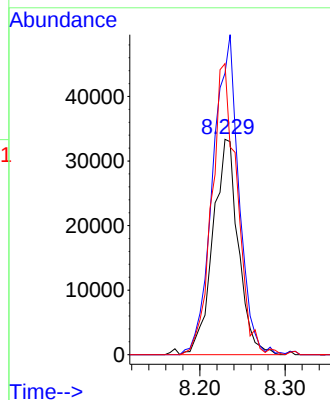
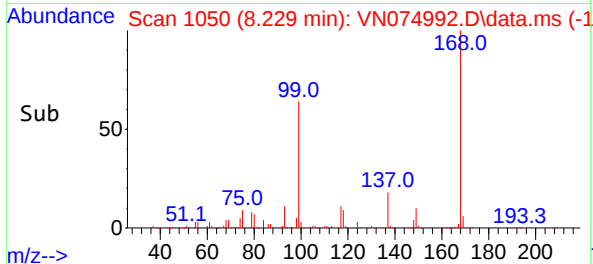


#31
Cyclohexane
Concen: 0.925 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

Instrument :
MSVOA_N
ClientSampleId :

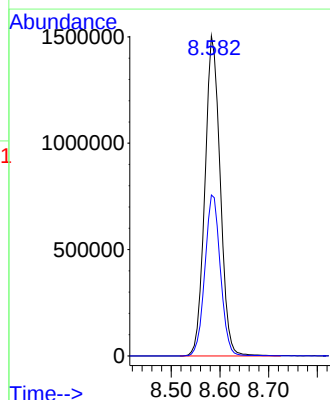
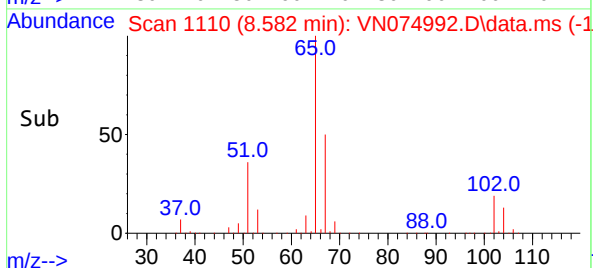
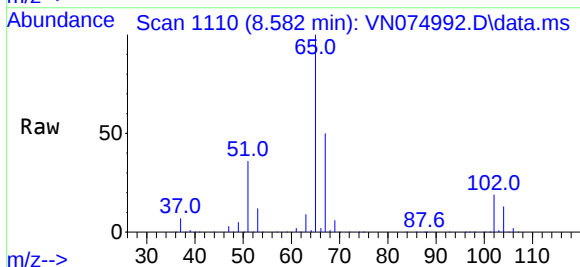


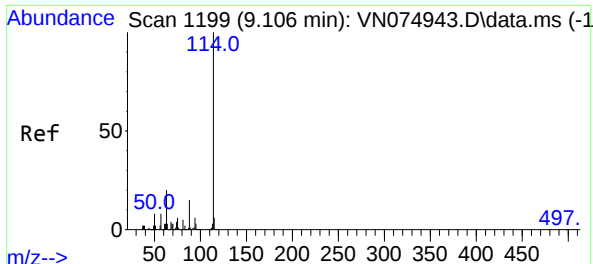
Tgt Ion: 56 Resp: 69100
Ion Ratio Lower Upper
56 100
69 130.6 24.2 36.2#
84 135.1 82.8 124.2#



#33
1,2-Dichloroethane-d4
Concen: 44.812 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

Tgt Ion: 65 Resp: 3276942
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.6

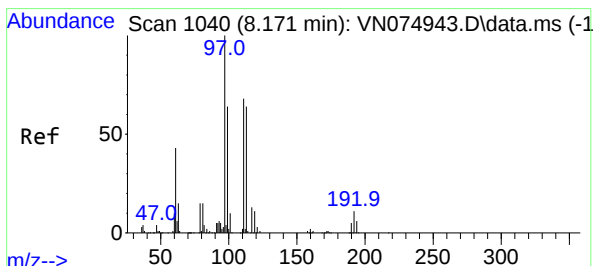
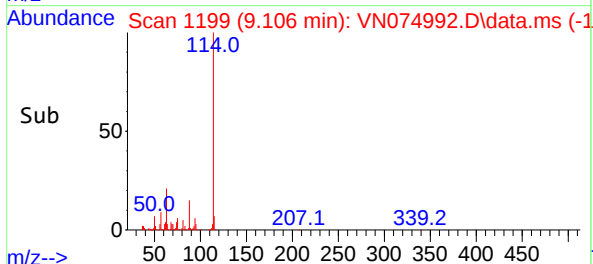
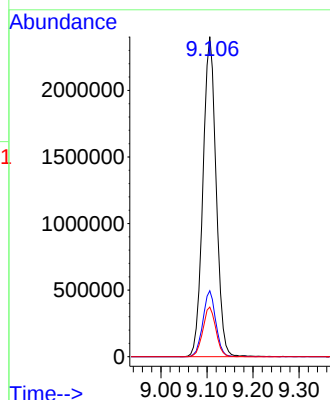
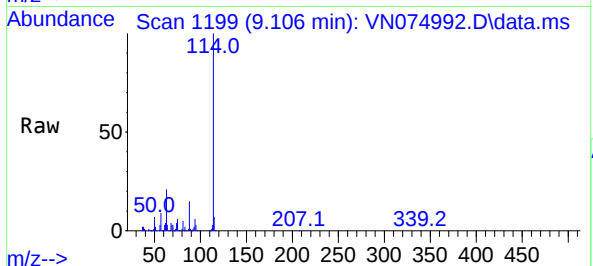




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

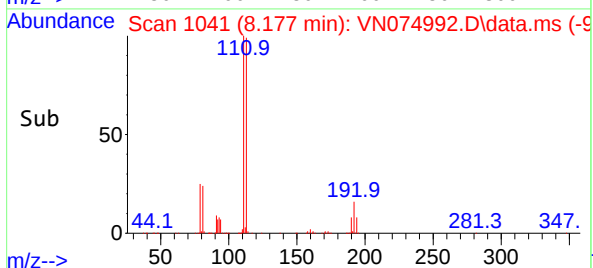
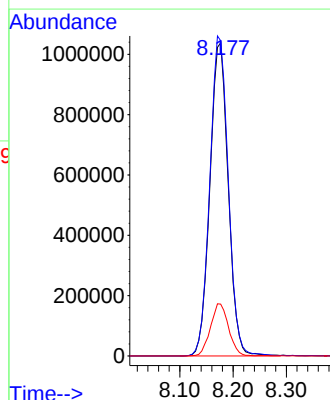
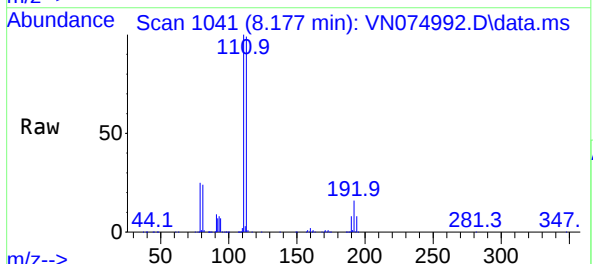
Instrument :
MSVOA_N
ClientSampleId :

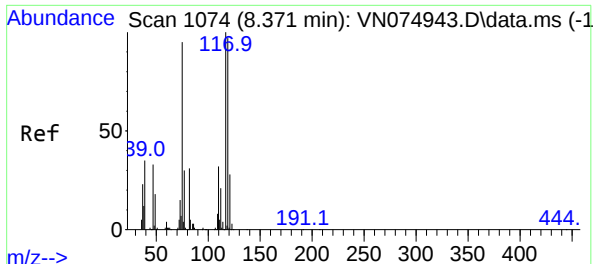
Tgt Ion:114 Resp: 4804587
Ion Ratio Lower Upper
114 100
63 20.6 0.0 39.8
88 15.5 0.0 30.4



#35
Dibromofluoromethane
Concen: 43.305 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

Tgt Ion:113 Resp: 2476479
Ion Ratio Lower Upper
113 100
111 103.1 83.4 125.2
192 16.5 13.3 19.9

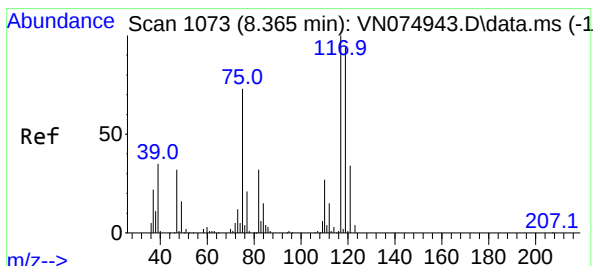
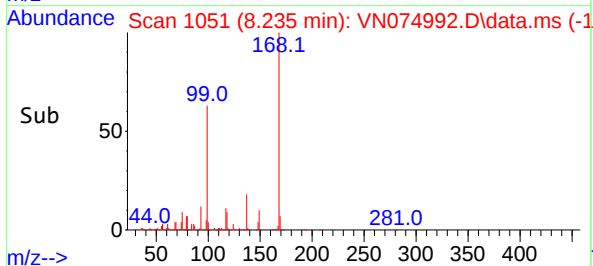
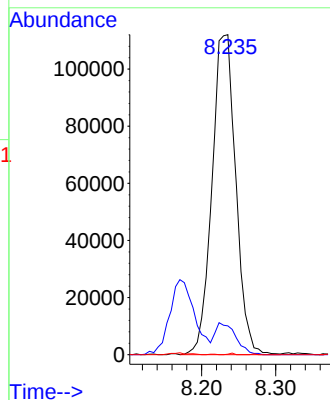
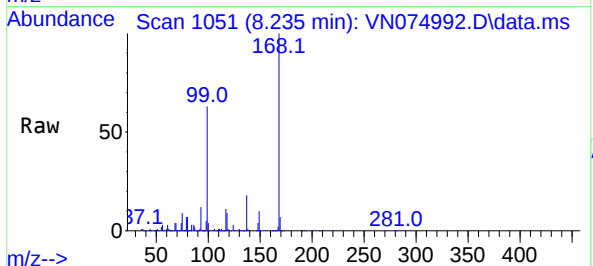




#36
1,1-Dichloropropene
Concen: 3.472 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.135 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

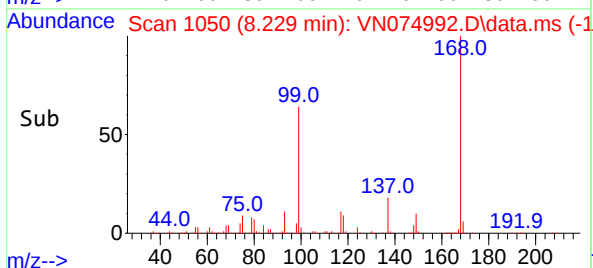
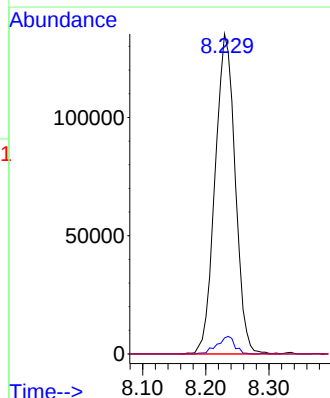
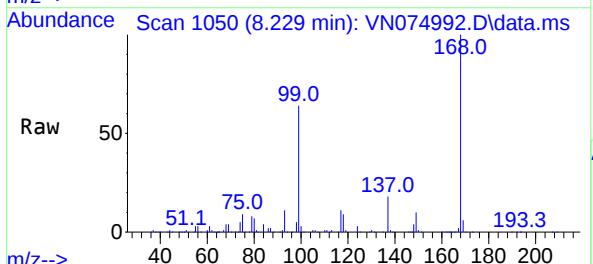
Instrument :
MSVOA_N
ClientSampleId :

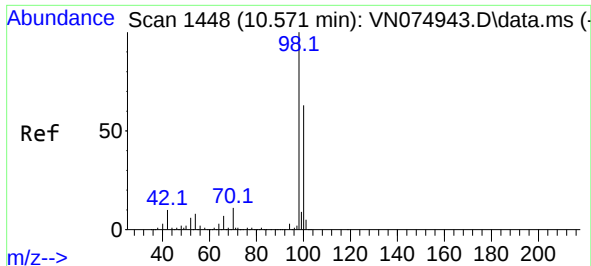
Tgt Ion: 75 Resp: 250036
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.4#
77 0.1 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 3.825 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

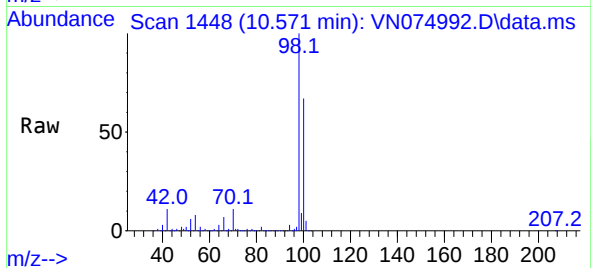
Tgt Ion: 117 Resp: 299918
Ion Ratio Lower Upper
117 100
119 5.0 75.2 112.8#
121 0.0 27.0 40.6#



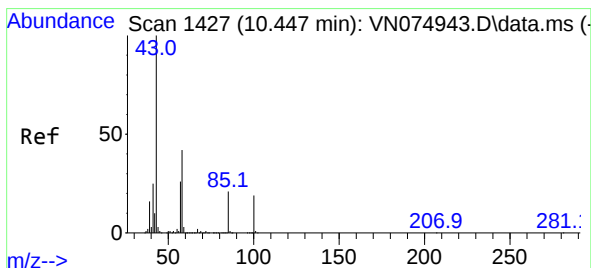
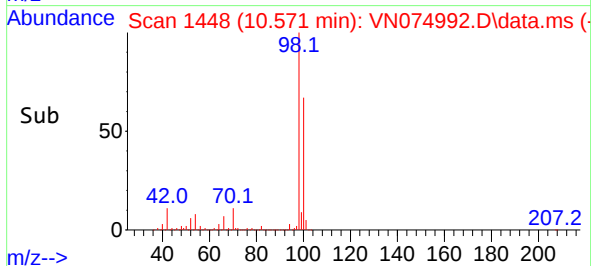
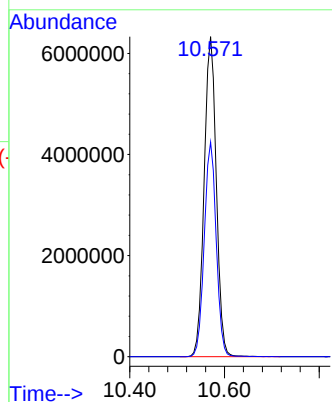


#50
Toluene-d8
Concen: 51.349 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

Instrument :
MSVOA_N
ClientSampleId :

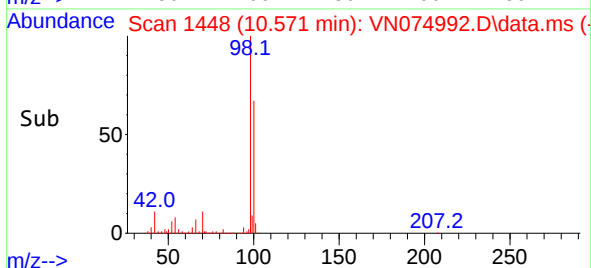
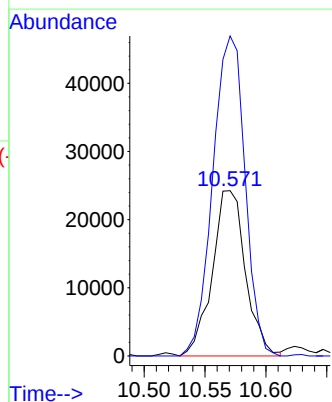
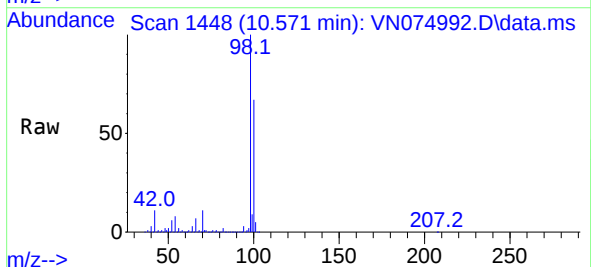


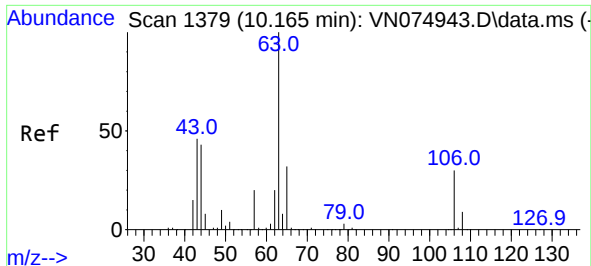
Tgt Ion: 98 Resp:11266638
Ion Ratio Lower Upper
98 100
100 66.0 51.4 77.2



#51
4-Methyl-2-Pentanone
Concen: 0.529 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.123 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

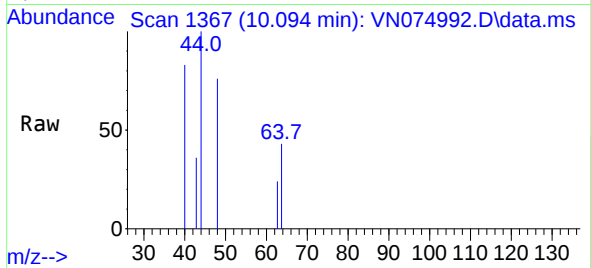
Tgt Ion: 43 Resp: 46127
Ion Ratio Lower Upper
43 100
58 187.5 33.6 50.4#



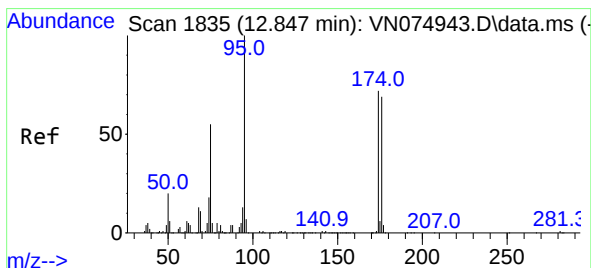
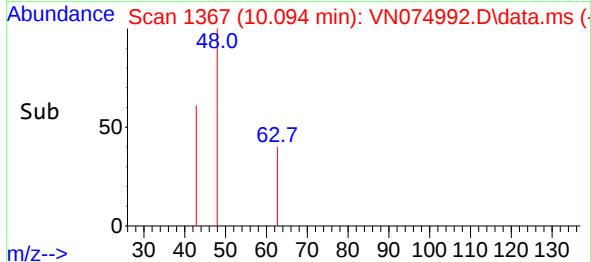
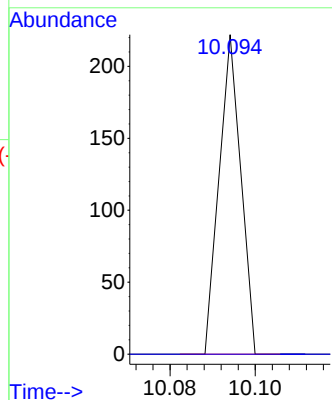


#58
2-Chloroethyl Vinyl ether
Concen: 3.611 ug/l
RT: 10.094 min Scan# 11
Delta R.T. -0.071 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

Instrument :
MSVOA_N
ClientSampleId :

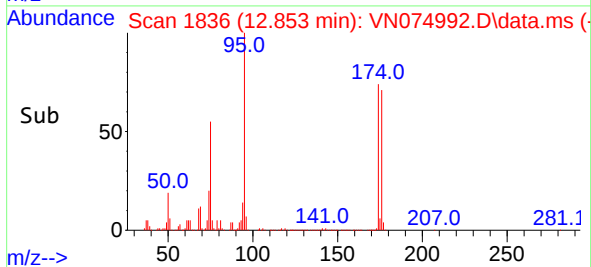
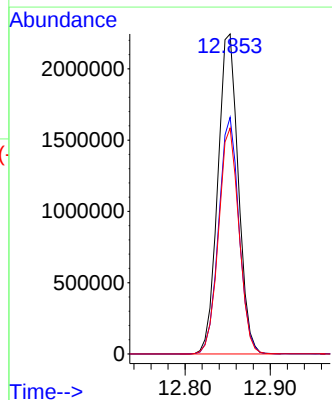
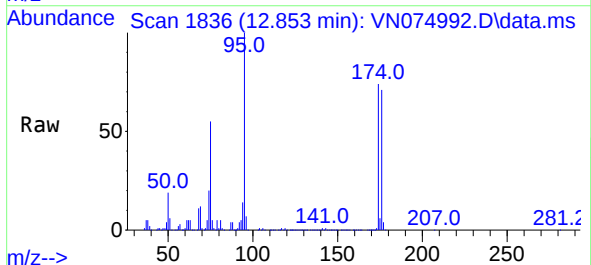


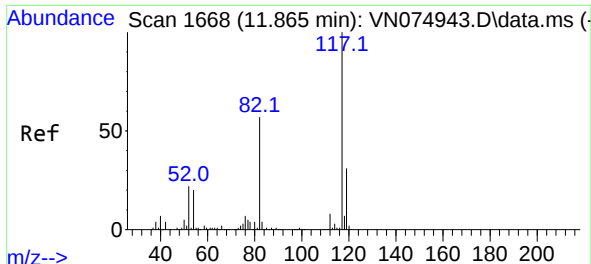
Tgt Ion: 63 Resp: 78
Ion Ratio Lower Upper
63 100
106 0.0 24.1 36.1#



#62
4-Bromofluorobenzene
Concen: 48.437 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

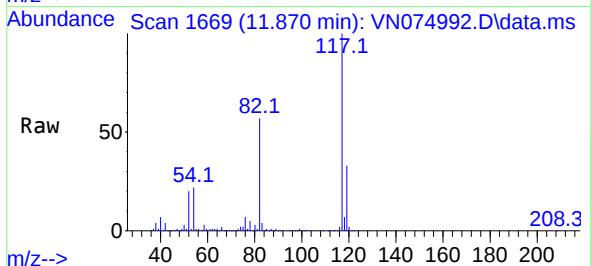
Tgt Ion: 95 Resp: 3748795
Ion Ratio Lower Upper
95 100
174 73.2 0.0 143.0
176 70.2 0.0 138.2





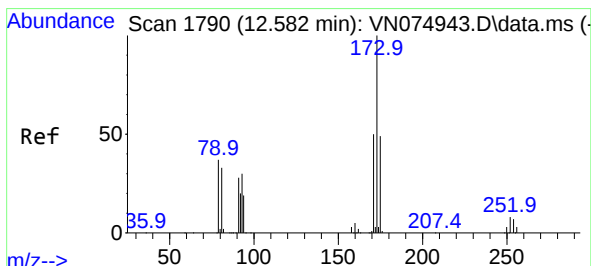
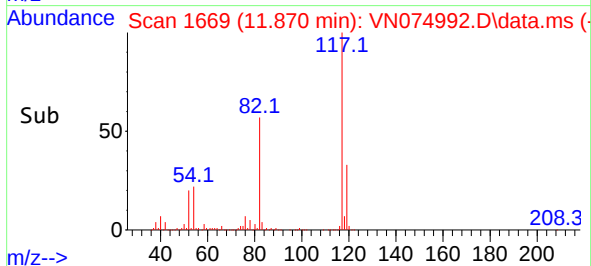
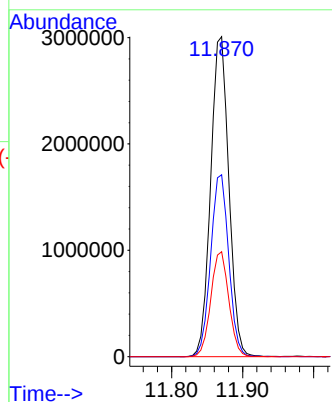
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:117 Resp: 5345001

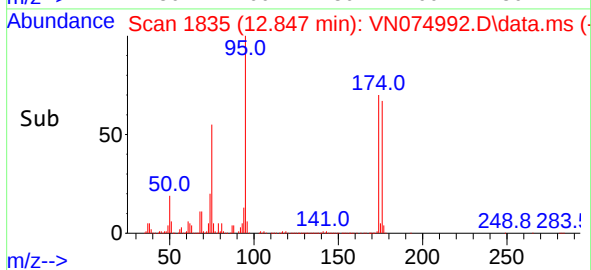
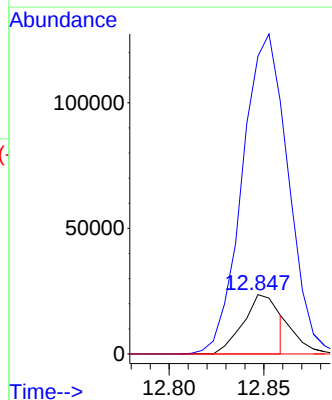
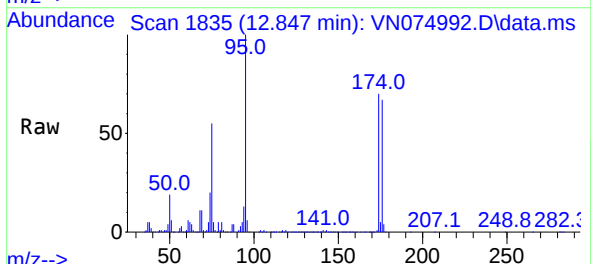
Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.6	68.4
119	32.8	25.1	37.7

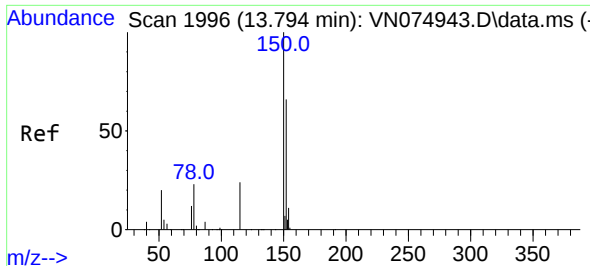


#71
Bromoform
Concen: 0.669 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

Tgt Ion:173 Resp: 30749

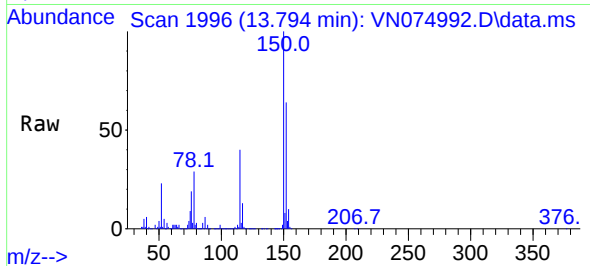
Ion	Ratio	Lower	Upper
173	100		
175	584.1	24.8	74.3#
254	0.0	0.1	0.1#



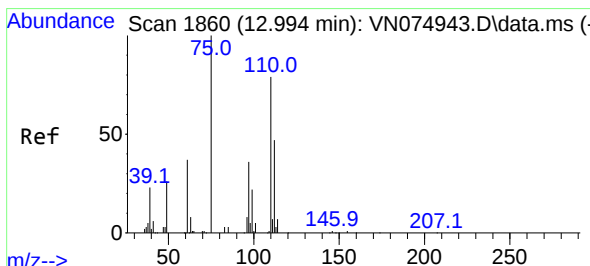
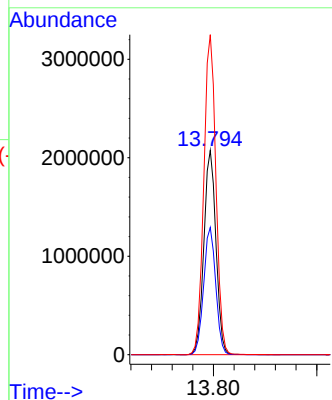
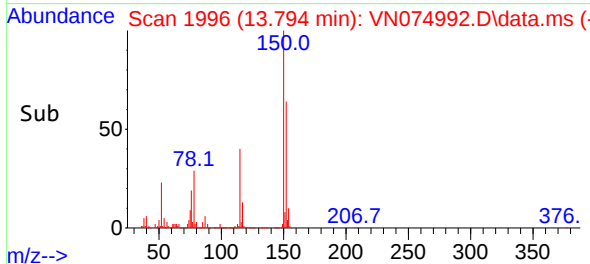


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

Instrument :
MSVOA_N
ClientSampleId :

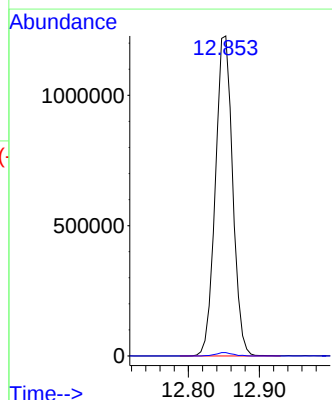
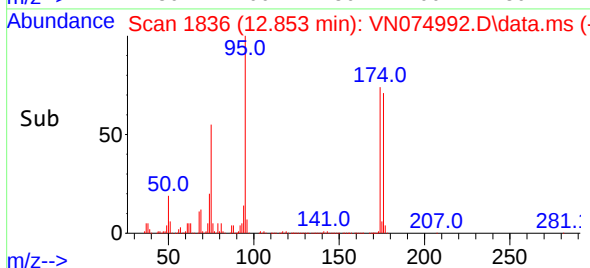
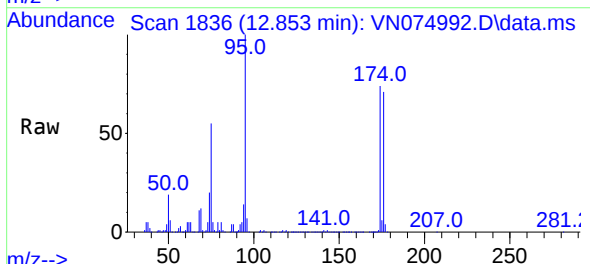


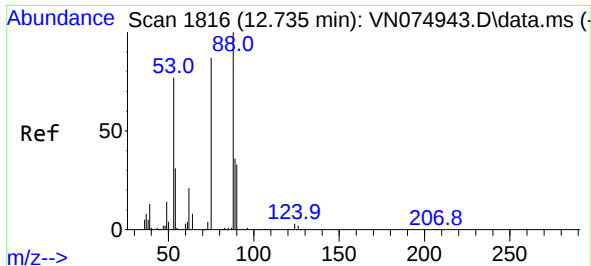
Tgt Ion:152 Resp: 3358654
Ion Ratio Lower Upper
152 100
115 62.4 31.3 93.8
150 157.2 0.0 349.6



#76
1,2,3-Trichloropropane
Concen: 22.704 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074992.D
Acq: 24 Oct 2022 18:38

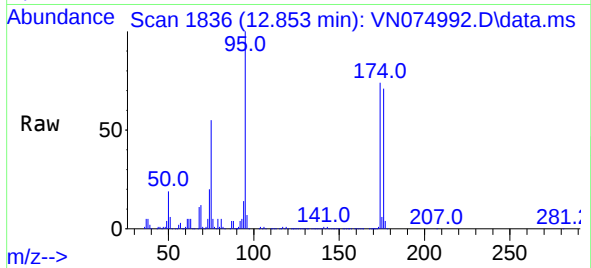
Tgt Ion: 75 Resp: 2067914
Ion Ratio Lower Upper
75 100
77 1.1 81.0 243.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.793 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN074992.D
 Acq: 24 Oct 2022 18:38

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 2067914

Ion	Ratio	Lower	Upper
75	100		
53	0.0	79.2	118.8#
89	0.0	37.9	56.9#

