

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102422\
 Data File : VN074991.D
 Acq On : 24 Oct 2022 18:14
 Operator : JC\MD
 Sample : N5249-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 06:51:39 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)

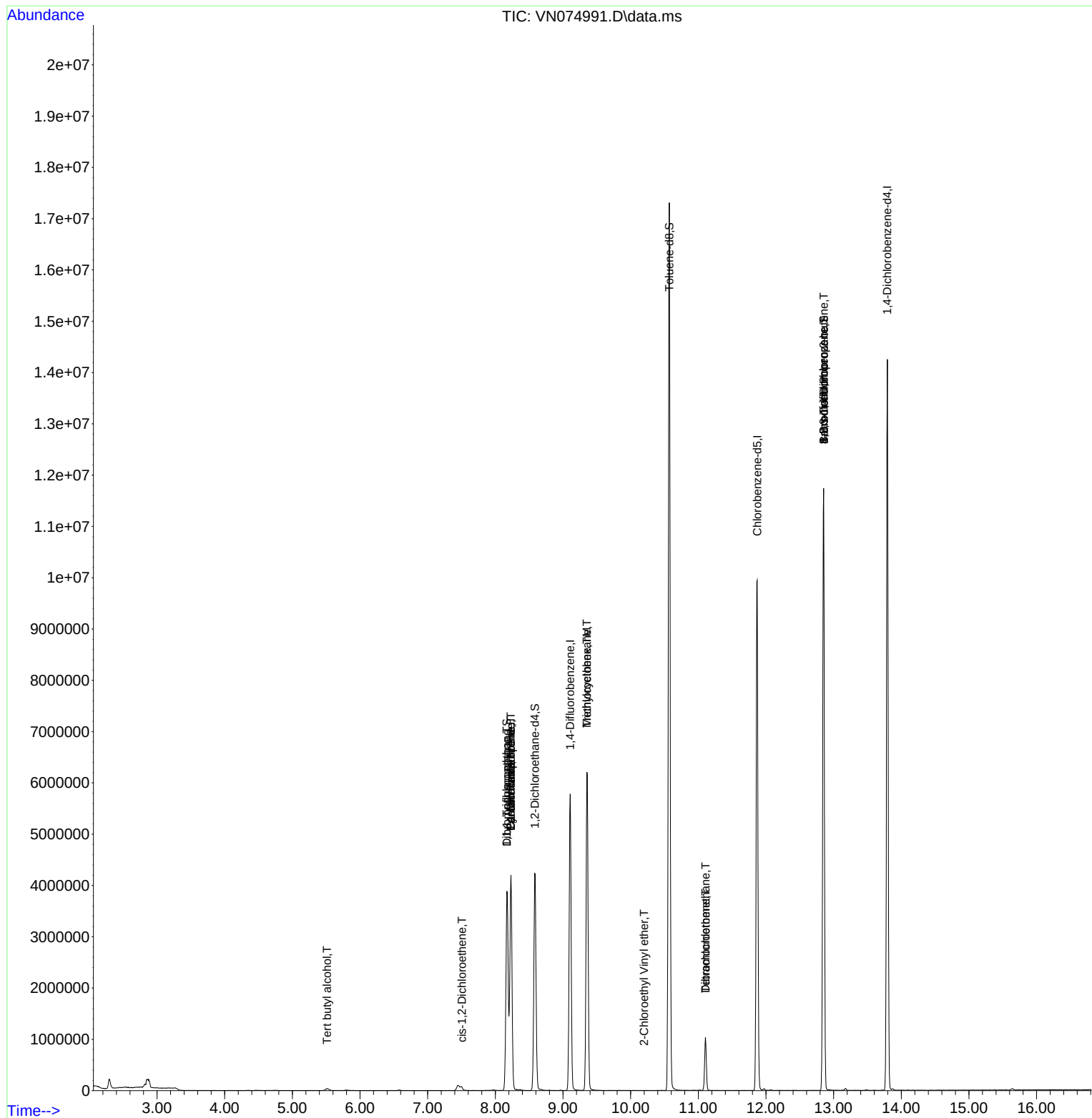
Internal Standards						
1) Pentafluorobenzene	8.230	168	2902026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	5098444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	5753733	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	3617175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	3453883	44.795	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.580%
35) Dibromofluoromethane	8.171	113	2597222	42.799	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	85.600%
50) Toluene-d8	10.571	98	11968261	51.403	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.800%
62) 4-Bromofluorobenzene	12.853	95	4034527	49.124	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.240%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	2617	Below Cal	#	64
4) Vinyl Chloride	2.524	62	783	Below Cal	#	44
5) Bromomethane	2.942	94	4988	Below Cal	#	72
6) Chloroethane	3.265	64	11520	Below Cal		92
7) Trichlorofluoromethane	3.271	101	69	Below Cal	#	18
11) Tert butyl alcohol	5.512	59	30799	1.889	ug/l #	75
12) 1,1-Dichloroethene	4.348	96	2255	Below Cal	#	66
13) Acrolein	4.183	56	436	Below Cal	#	16
16) Acetone	4.465	43	9122	Below Cal	#	83
17) Carbon Disulfide	4.718	76	746	Below Cal	#	74
20) Methylene Chloride	5.283	84	700	Below Cal	#	11
21) trans-1,2-Dichloroethene	5.794	96	1536	Below Cal	#	51
27) cis-1,2-Dichloroethene	7.506	96	38317	0.592	ug/l	91
31) Cyclohexane	8.230	56	76335	0.969	ug/l #	35
32) 1,1,1-Trichloroethane	8.171	97	130513	1.285	ug/l #	48
36) 1,1-Dichloropropene	8.230	75	263167	3.443	ug/l #	49
38) Carbon Tetrachloride	8.230	117	343224	4.126	ug/l #	16
39) Methylcyclohexane	9.353	83	30117	0.333	ug/l #	1
44) Trichloroethene	9.353	130	2189738	37.866	ug/l	95
58) 2-Chloroethyl Vinyl ether	10.200	63	77	3.611	ug/l #	45
60) Dibromochloromethane	11.106	129	214631	3.169	ug/l #	11
64) Tetrachloroethene	11.106	164	217722	4.627	ug/l	98
71) Bromoform	12.853	173	34353	0.694	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	2232094	22.755	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	2232094	72.956	ug/l #	10

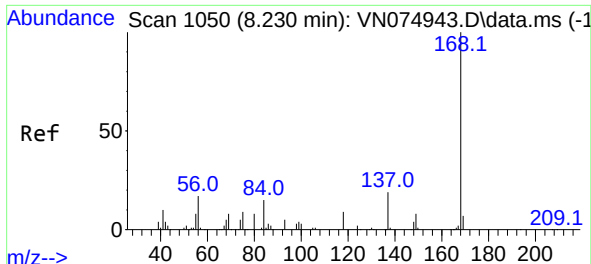
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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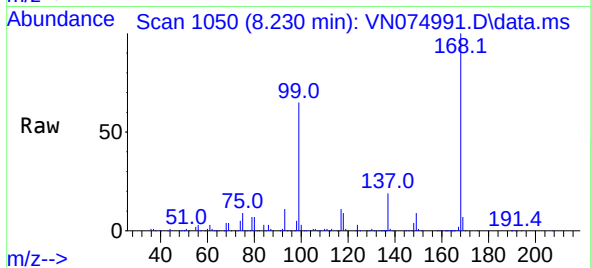
Quant Time: Oct 25 06:51:39 2022
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QLast Update : Fri Oct 21 09:37:47 2022
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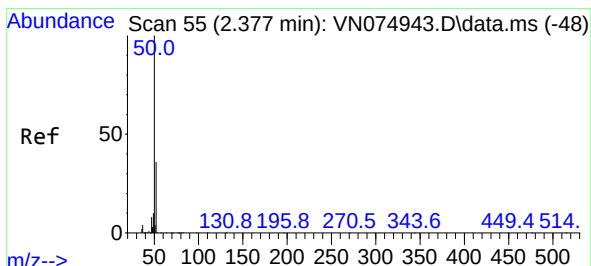
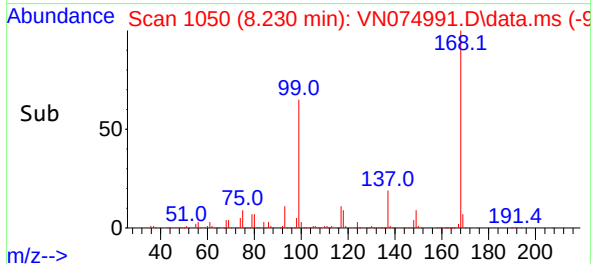
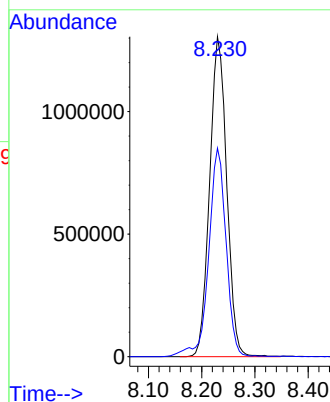


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

Instrument :
MSVOA_N
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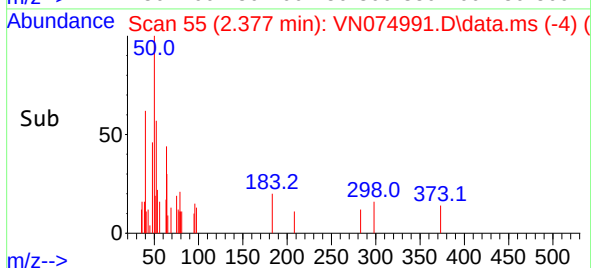
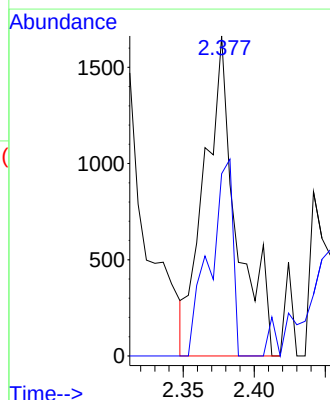
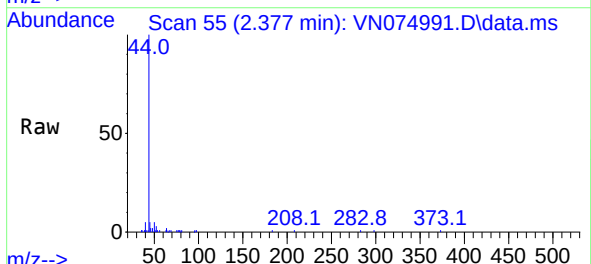


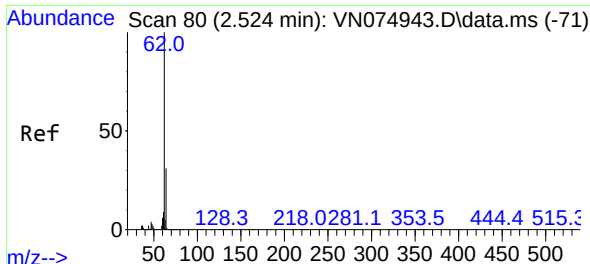
Tgt Ion:168 Resp: 2902026
Ion Ratio Lower Upper
168 100
99 65.1 52.2 78.4



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 55
Delta R.T. 0.000 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

Tgt Ion: 50 Resp: 2617
Ion Ratio Lower Upper
50 100
52 56.9 28.8 43.2#

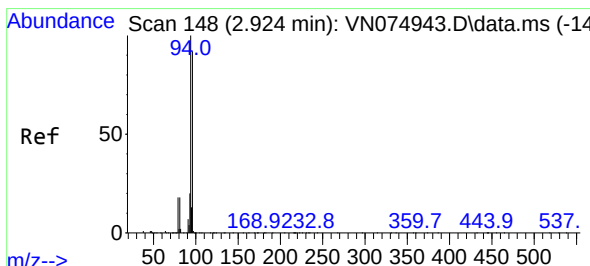
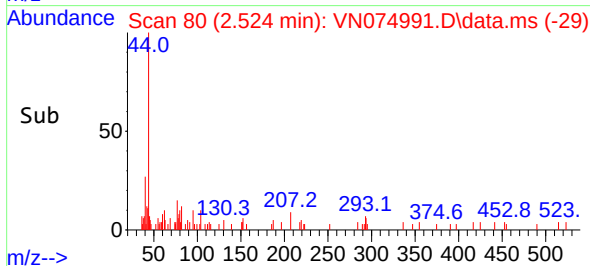
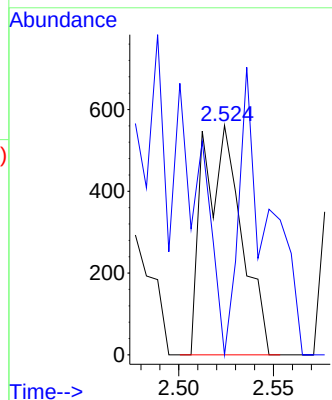
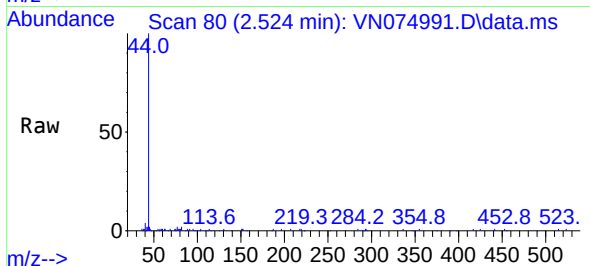




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.524 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VN074991.D
 Acq: 24 Oct 2022 18:14

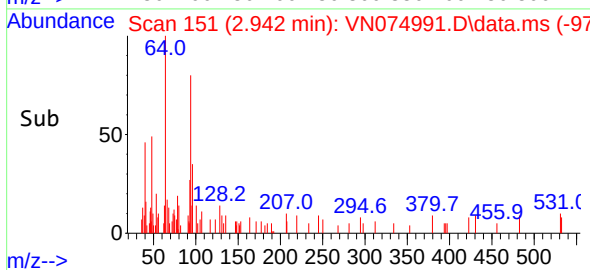
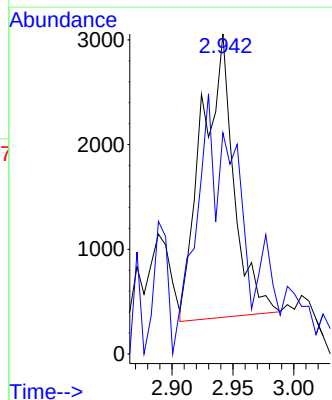
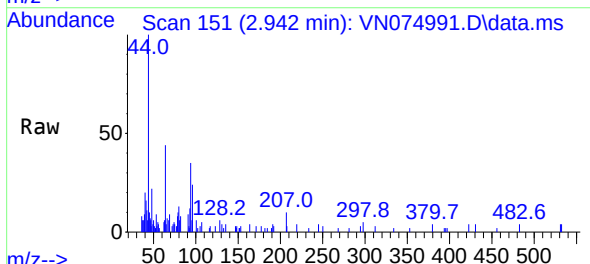
Instrument :
 MSVOA_N
 ClientSampleId :

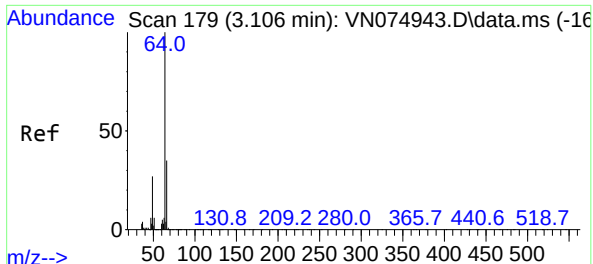
Tgt Ion: 62 Resp: 783
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.5 36.7#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.942 min Scan# 151
 Delta R.T. 0.018 min
 Lab File: VN074991.D
 Acq: 24 Oct 2022 18:14

Tgt Ion: 94 Resp: 4988
 Ion Ratio Lower Upper
 94 100
 96 65.7 73.5 110.3#

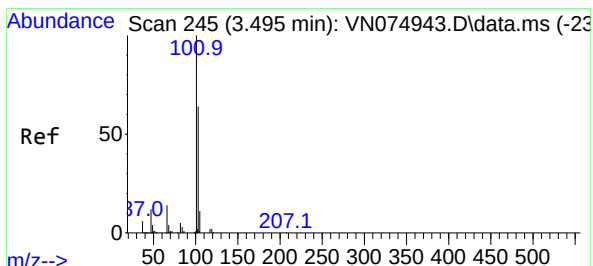
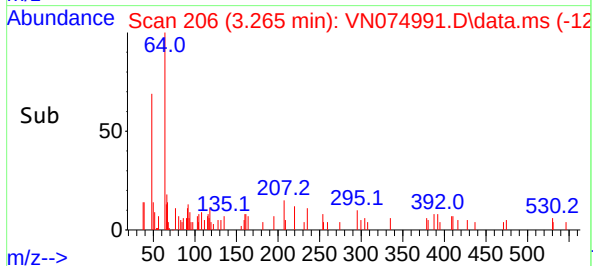
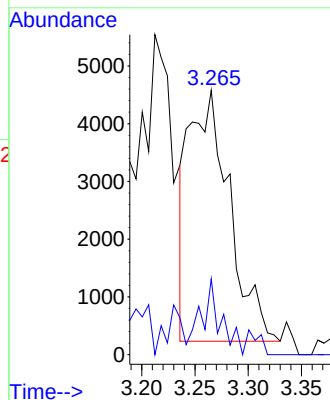
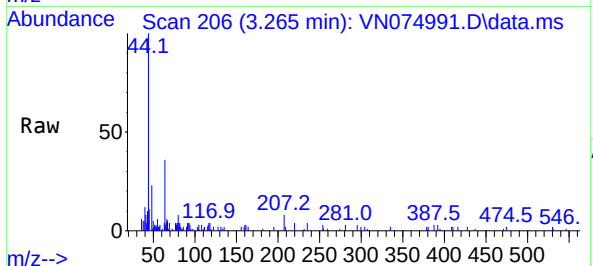




#6
Chloroethane
Concen: Below Cal
RT: 3.265 min Scan# 206
Delta R.T. 0.159 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

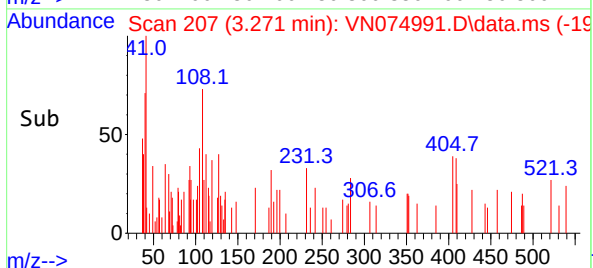
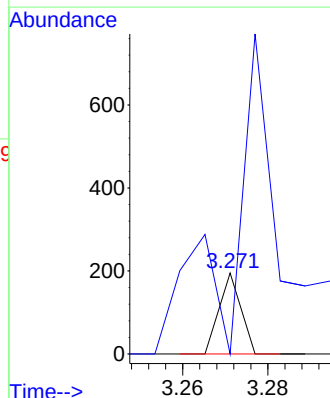
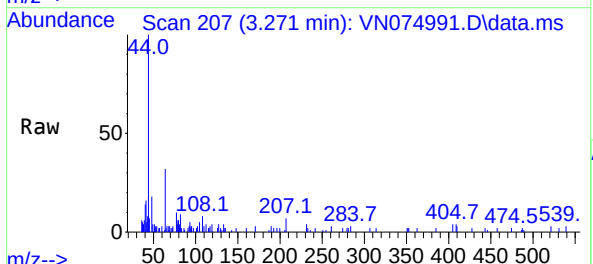
Instrument :
MSVOA_N
ClientSampleId :

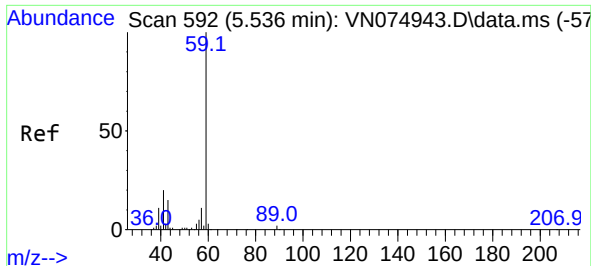
Tgt Ion: 64 Resp: 11520
Ion Ratio Lower Upper
64 100
66 30.3 27.9 41.9



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.271 min Scan# 207
Delta R.T. -0.224 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

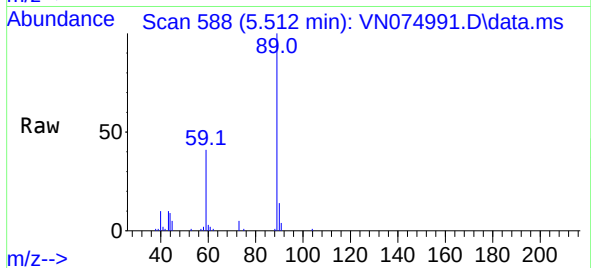
Tgt Ion:101 Resp: 69
Ion Ratio Lower Upper
101 100
103 0.0 51.5 77.3#



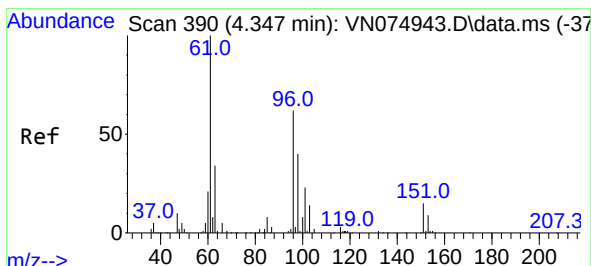
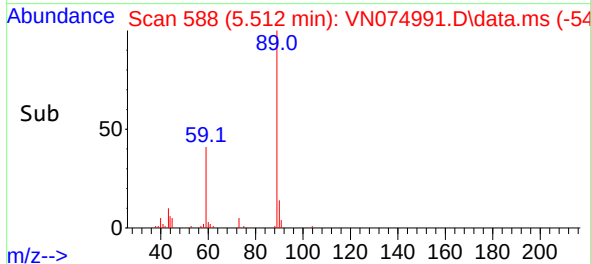
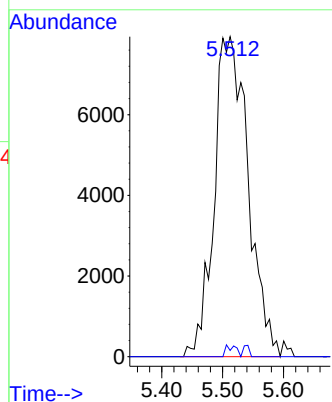


#11
Tert butyl alcohol
Concen: 1.889 ug/l
RT: 5.512 min Scan# 51
Delta R.T. -0.023 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

Instrument :
MSVOA_N
ClientSampleId :

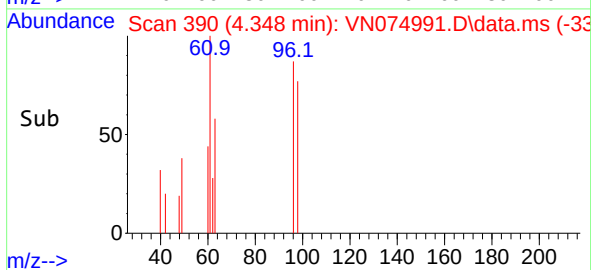
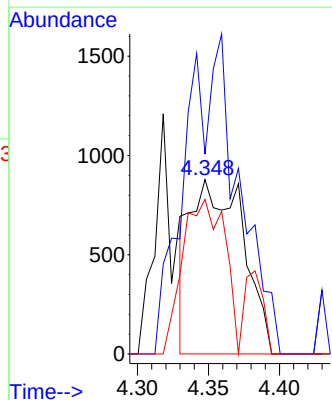
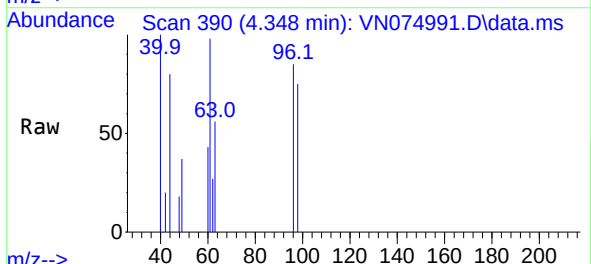


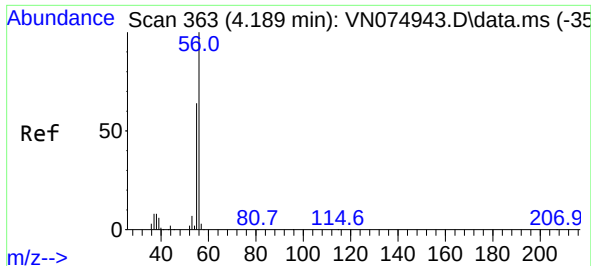
Tgt Ion: 59 Resp: 30799
Ion Ratio Lower Upper
59 100
57 1.1 8.2 12.4#



#12
1,1-Dichloroethene
Concen: Below Cal
RT: 4.348 min Scan# 390
Delta R.T. 0.001 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

Tgt Ion: 96 Resp: 2255
Ion Ratio Lower Upper
96 100
61 114.6 128.9 193.3#
98 88.6 51.8 77.8#

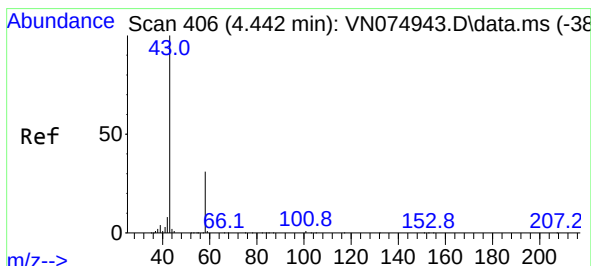
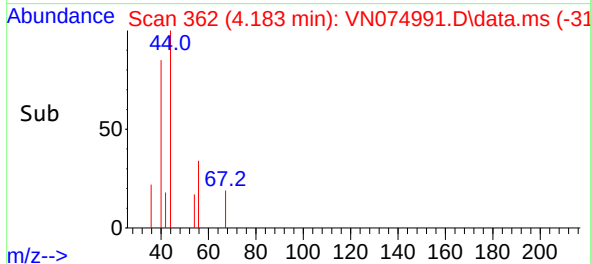
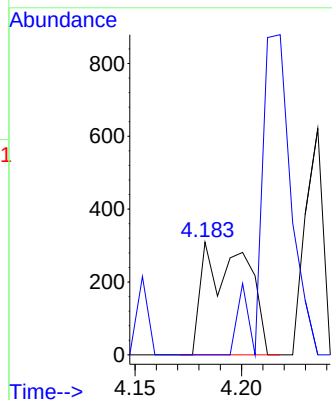
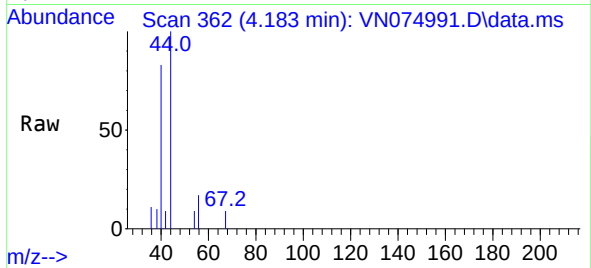




#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 30
Delta R.T. -0.006 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

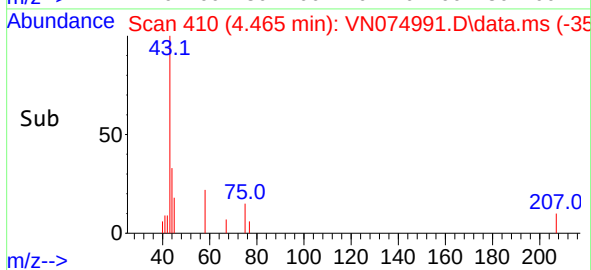
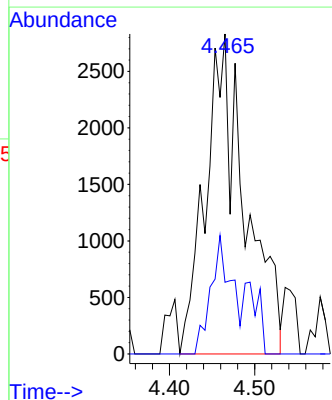
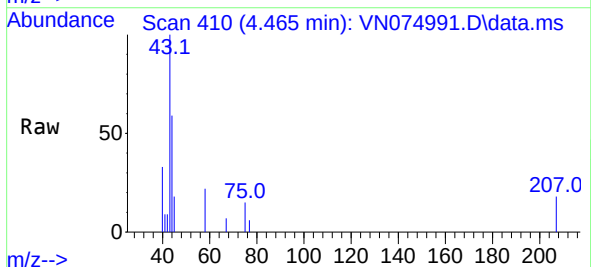
Instrument :
MSVOA_N
ClientSampleId :

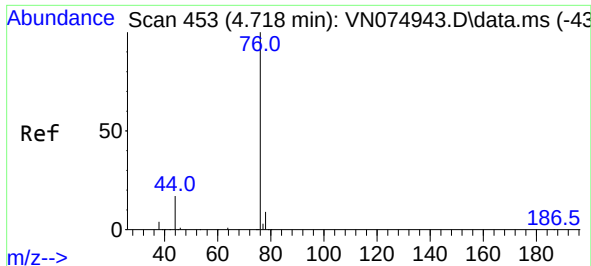
Tgt Ion: 56 Resp: 436
Ion Ratio Lower Upper
56 100
55 0.0 53.7 80.5#



#16
Acetone
Concen: Below Cal
RT: 4.465 min Scan# 410
Delta R.T. 0.023 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

Tgt Ion: 43 Resp: 9122
Ion Ratio Lower Upper
43 100
58 22.4 25.7 38.5#

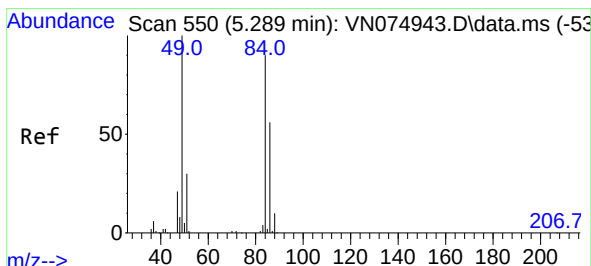
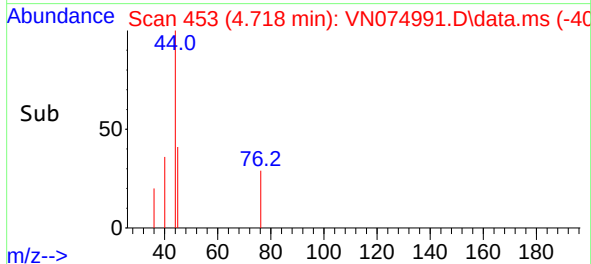
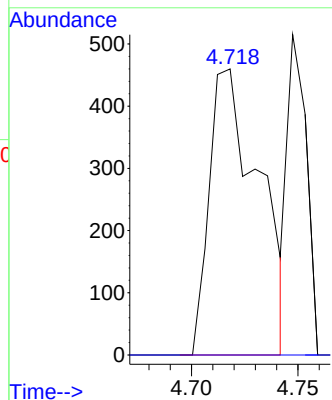
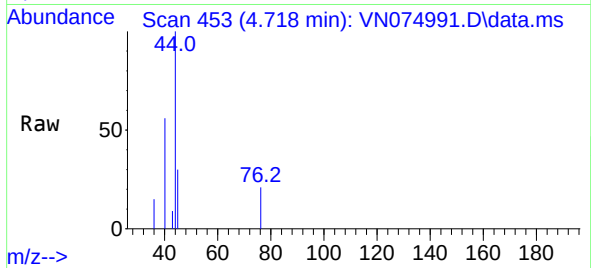




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.718 min Scan# 417
Delta R.T. 0.000 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

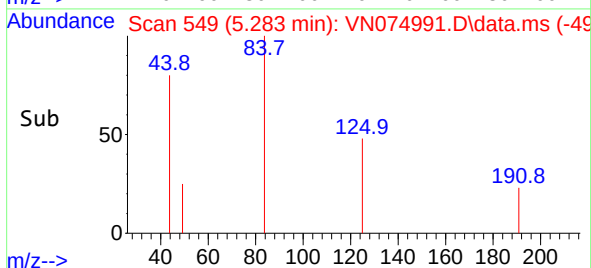
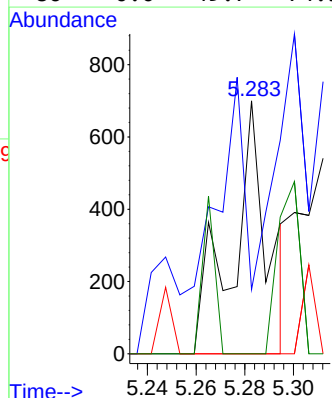
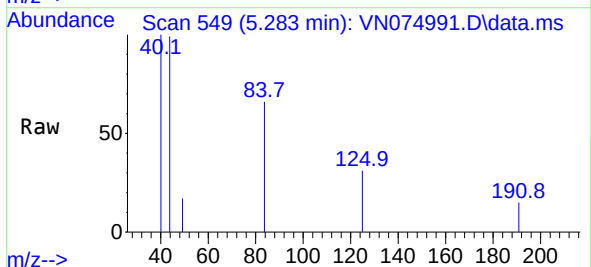
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MSVOA_N
ClientSampleId :

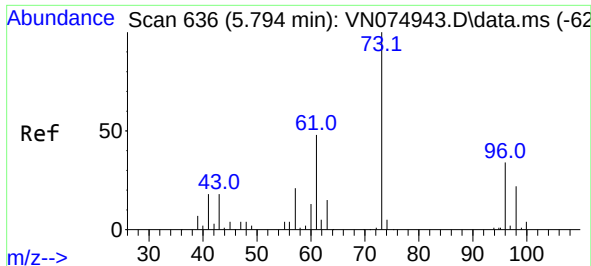
Tgt Ion: 76 Resp: 746
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

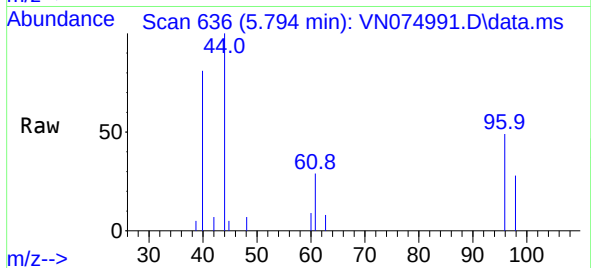
Tgt Ion: 84 Resp: 700
Ion Ratio Lower Upper
84 100
49 2.1 88.6 133.0#
51 0.0 26.7 40.1#
86 0.0 49.7 74.5#



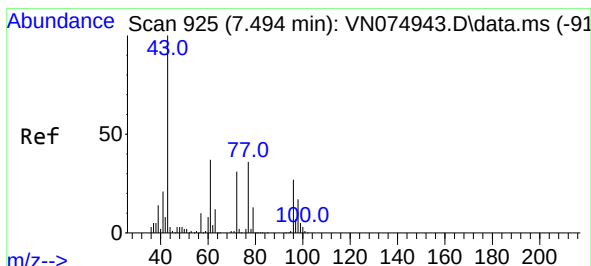
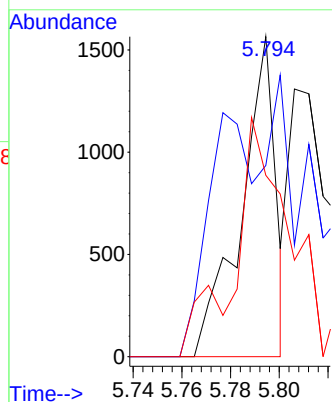
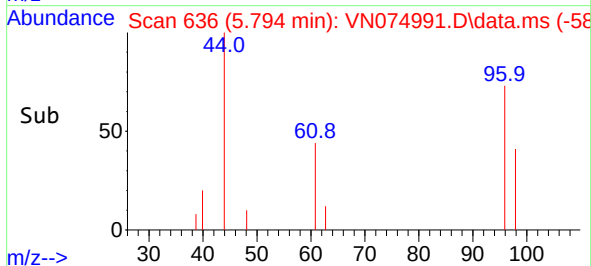


#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.794 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

Instrument :
MSVOA_N
ClientSampleId :

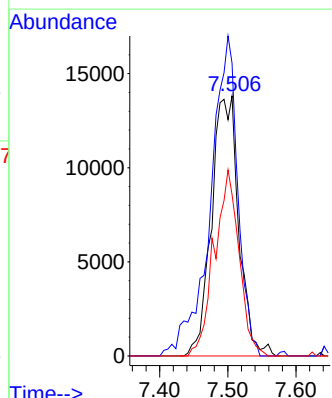
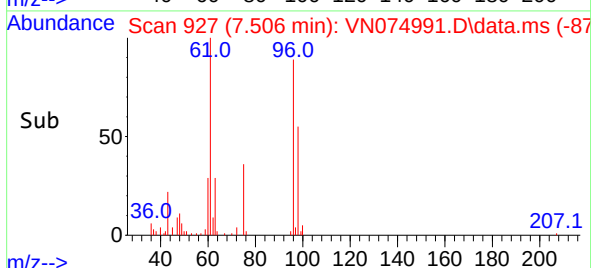
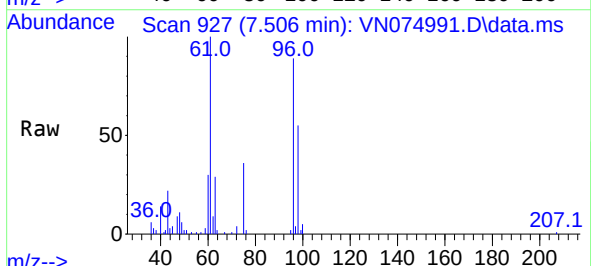


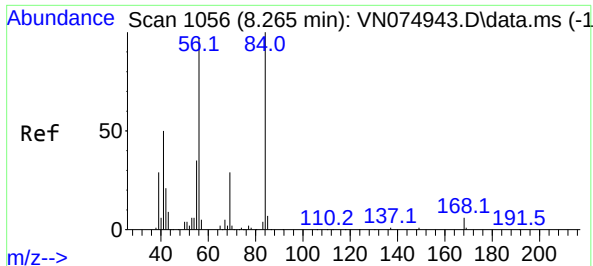
Tgt Ion: 96 Resp: 1536
Ion Ratio Lower Upper
96 100
61 59.7 112.6 169.0#
98 56.7 52.4 78.6



#27
cis-1,2-Dichloroethene
Concen: 0.592 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.012 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

Tgt Ion: 96 Resp: 38317
Ion Ratio Lower Upper
96 100
61 124.3 0.0 277.8
98 65.1 0.0 127.2





#31

Cyclohexane

Concen: 0.969 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

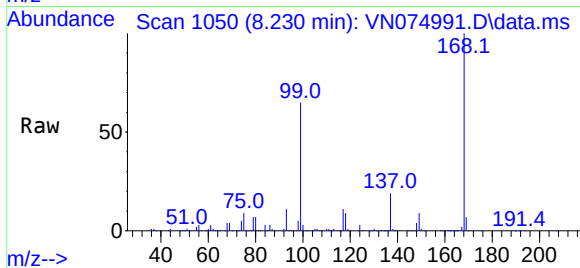
Lab File: VN074991.D

Acq: 24 Oct 2022 18:14

Instrument :

MSVOA_N

ClientSampleId :



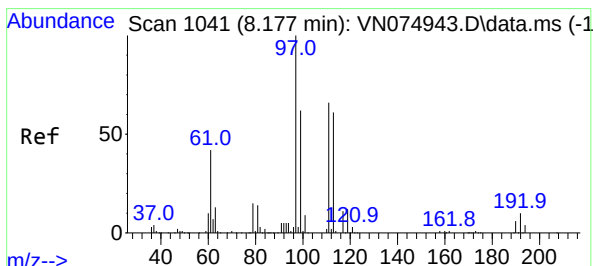
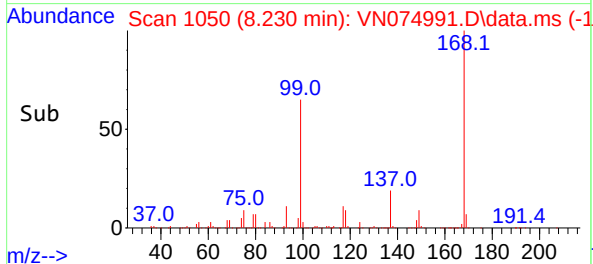
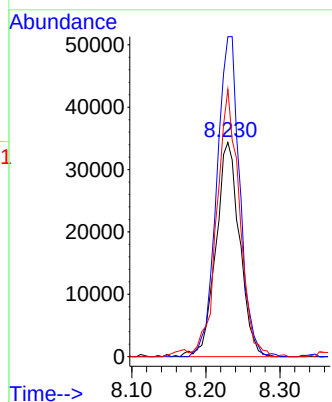
Tgt Ion: 56 Resp: 76335

Ion Ratio Lower Upper

56 100

69 149.3 24.2 36.2#

84 124.0 82.8 124.2



#32

1,1,1-Trichloroethane

Concen: 1.285 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VN074991.D

Acq: 24 Oct 2022 18:14

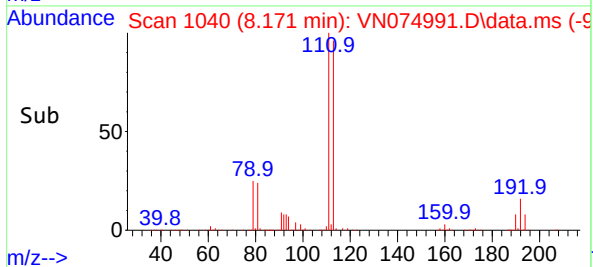
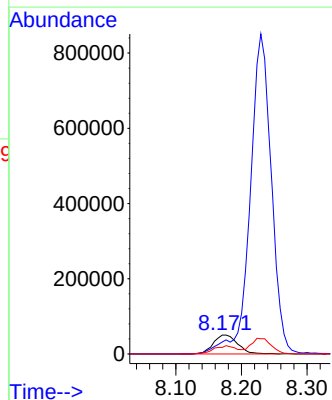
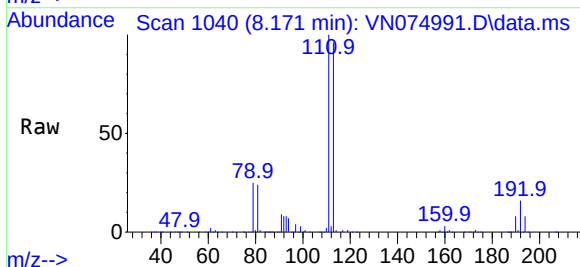
Tgt Ion: 97 Resp: 130513

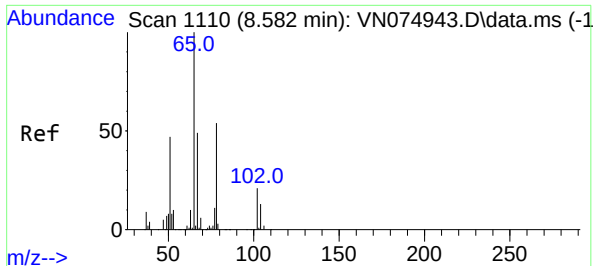
Ion Ratio Lower Upper

97 100

99 0.0 53.0 79.4#

61 40.7 36.4 54.6

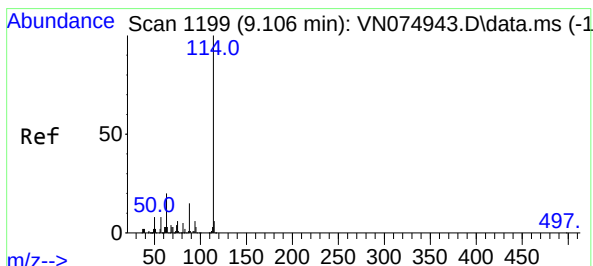
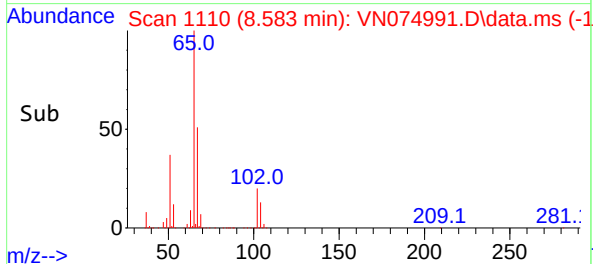
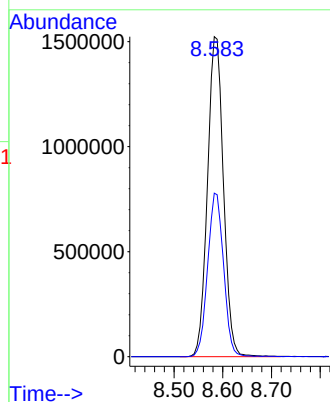
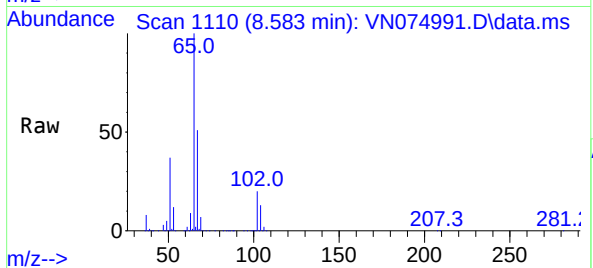




#33
1,2-Dichloroethane-d4
Concen: 44.795 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

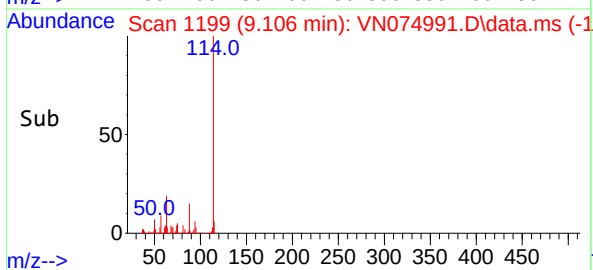
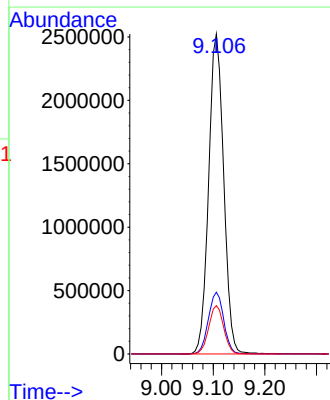
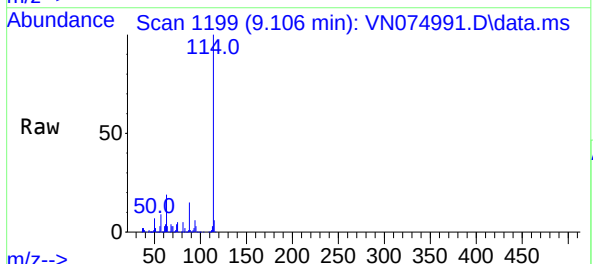
Instrument :
MSVOA_N
ClientSampleId :

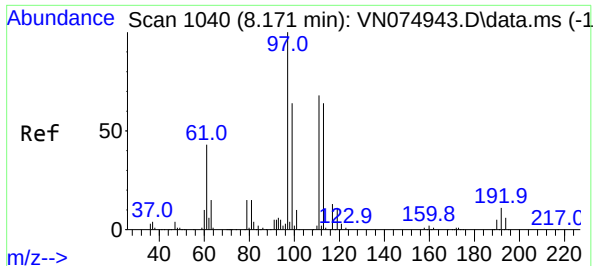
Tgt Ion: 65 Resp: 3453883
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

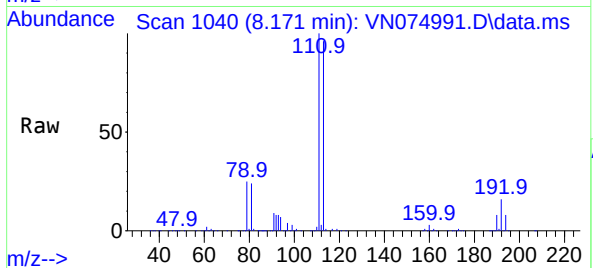
Tgt Ion: 114 Resp: 5098444
Ion Ratio Lower Upper
114 100
63 19.3 0.0 39.8
88 15.1 0.0 30.4



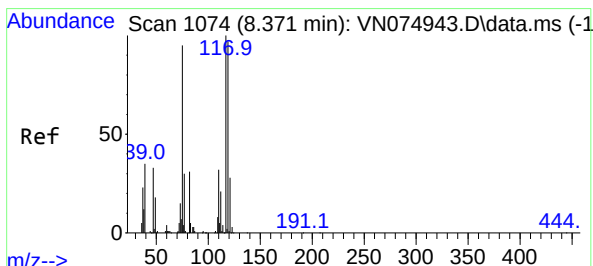
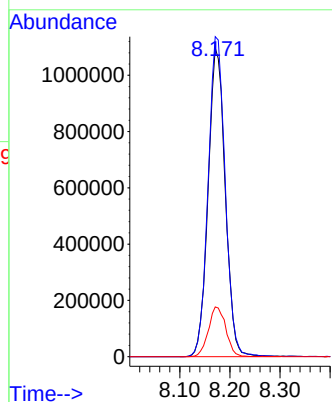
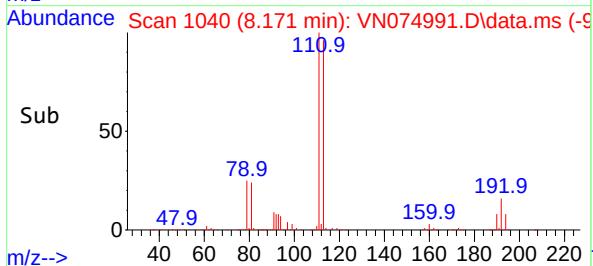


#35
Dibromofluoromethane
Concen: 42.799 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

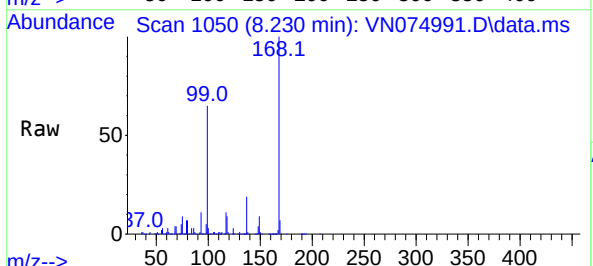
Instrument :
MSVOA_N
ClientSampleId :



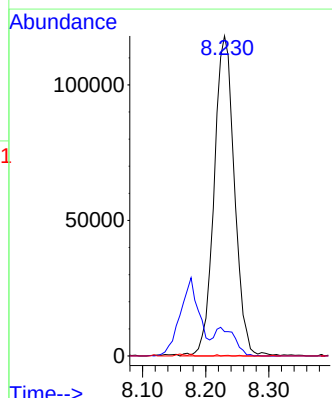
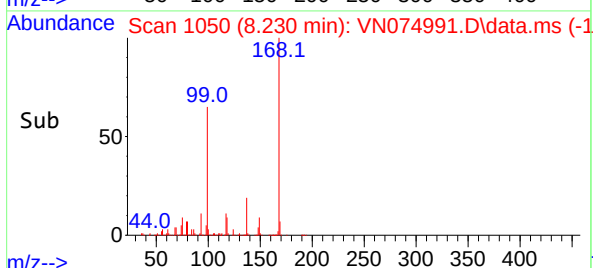
Tgt Ion:113 Resp: 2597222
Ion Ratio Lower Upper
113 100
111 103.6 83.4 125.2
192 16.4 13.3 19.9

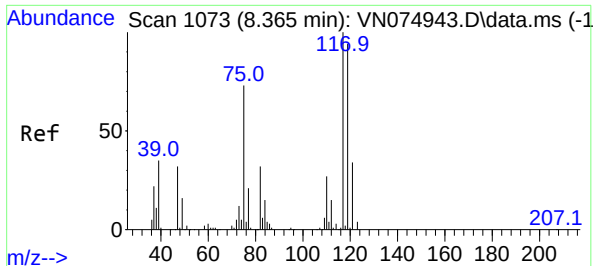


#36
1,1-Dichloropropene
Concen: 3.443 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14



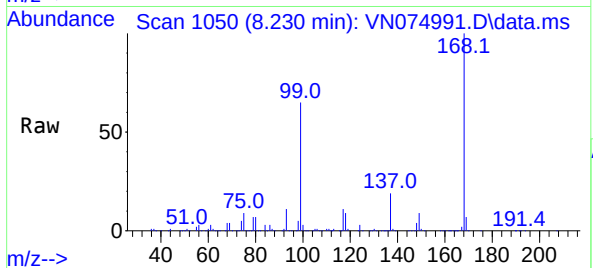
Tgt Ion: 75 Resp: 263167
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.4#
77 0.1 25.0 37.4#



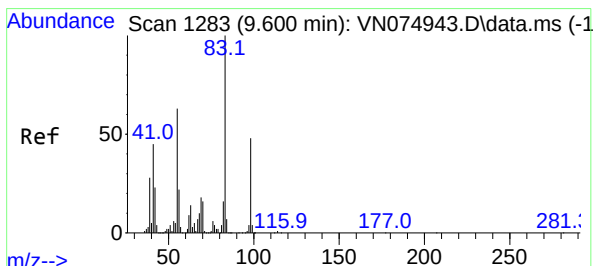
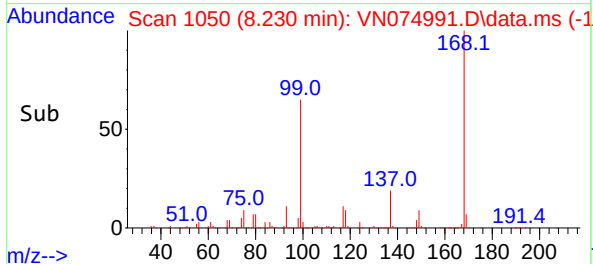
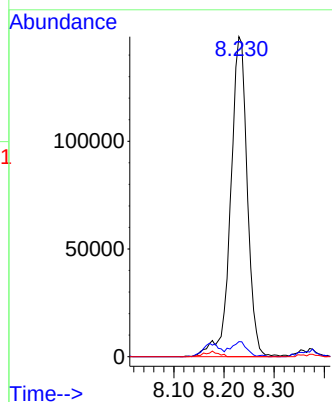


#38
Carbon Tetrachloride
Concen: 4.126 ug/l
RT: 8.230 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

Instrument :
MSVOA_N
ClientSampleId :

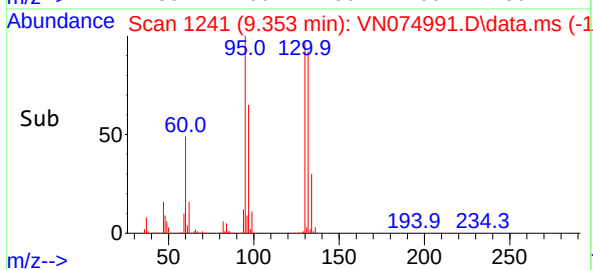
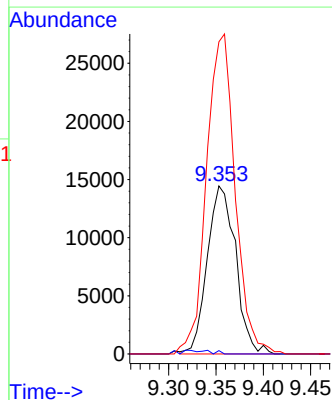
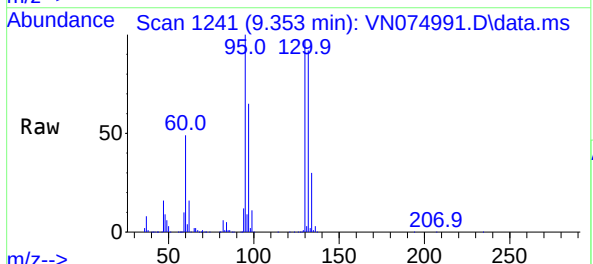


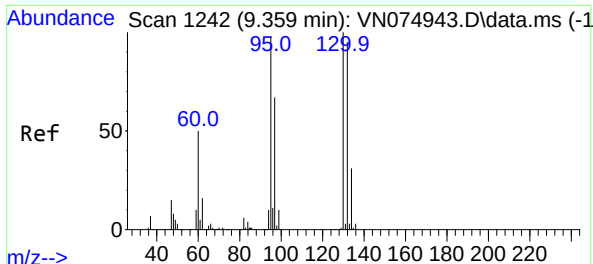
Tgt Ion:117 Resp: 343224
Ion Ratio Lower Upper
117 100
119 4.7 75.2 112.8#
121 0.0 27.0 40.6#



#39
Methylcyclohexane
Concen: 0.333 ug/l
RT: 9.353 min Scan# 1241
Delta R.T. -0.247 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

Tgt Ion: 83 Resp: 30117
Ion Ratio Lower Upper
83 100
55 2.0 50.8 76.2#
98 184.3 38.8 58.2#





#44

Trichloroethene

Concen: 37.866 ug/l

RT: 9.353 min Scan# 1242

Delta R.T. -0.006 min

Lab File: VN074991.D

Acq: 24 Oct 2022 18:14

Instrument :

MSVOA_N

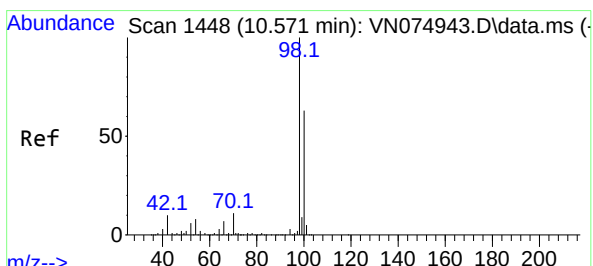
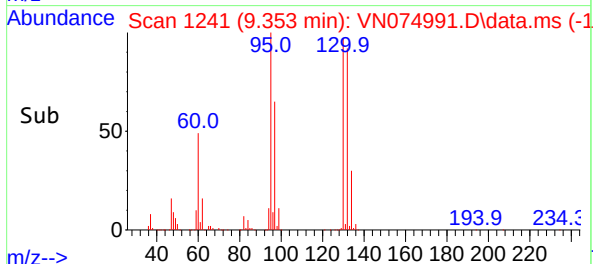
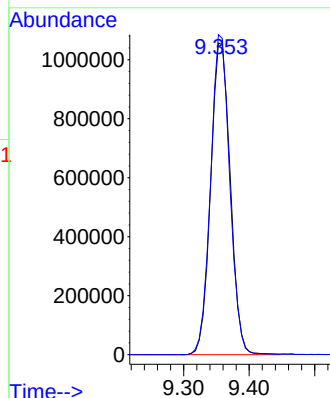
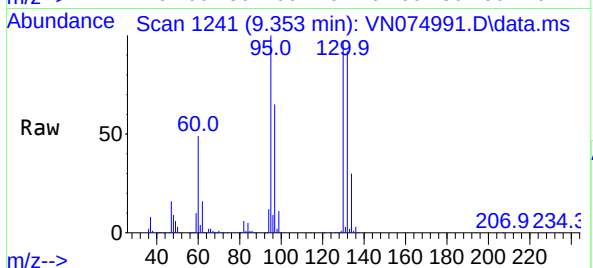
ClientSampleId :

Tgt Ion:130 Resp: 2189738

Ion Ratio Lower Upper

130 100

95 102.6 0.0 195.8



#50

Toluene-d8

Concen: 51.403 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN074991.D

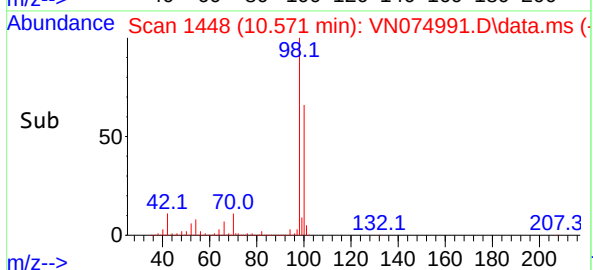
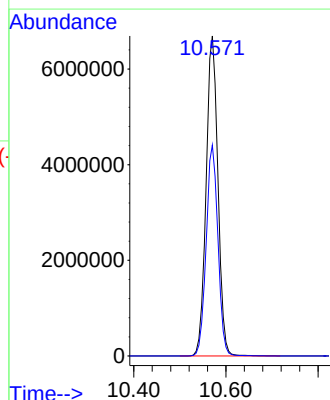
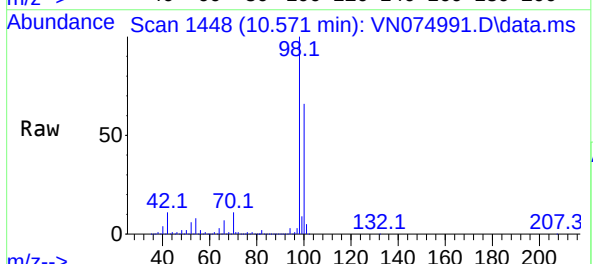
Acq: 24 Oct 2022 18:14

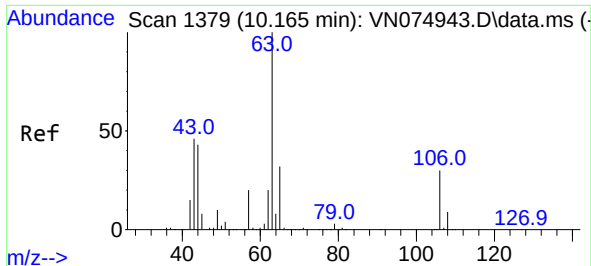
Tgt Ion: 98 Resp:11968261

Ion Ratio Lower Upper

98 100

100 65.6 51.4 77.2

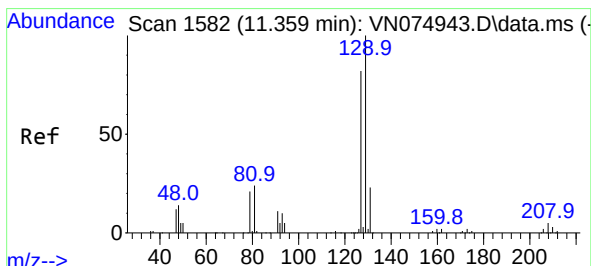
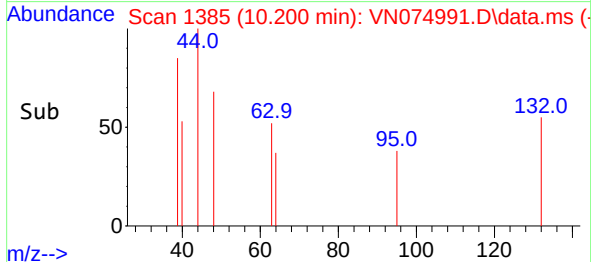
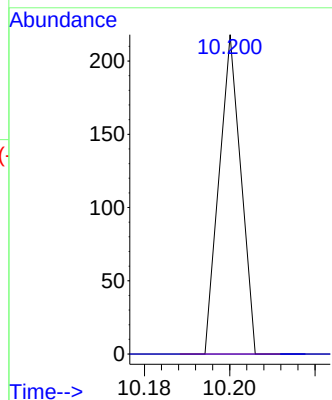
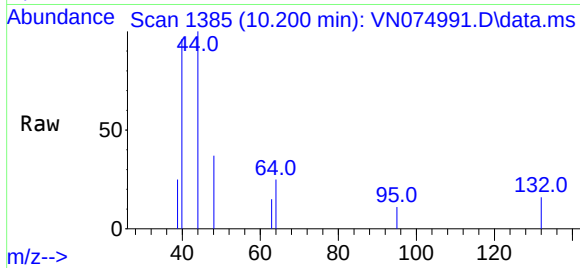




#58
2-Chloroethyl Vinyl ether
Concen: 3.611 ug/l
RT: 10.200 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

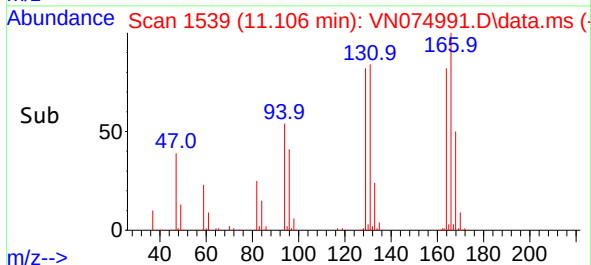
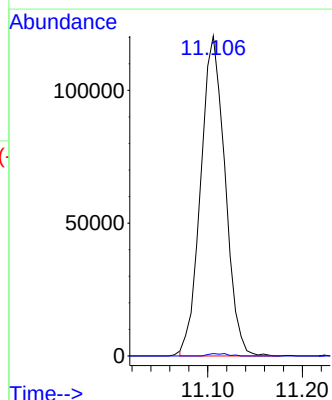
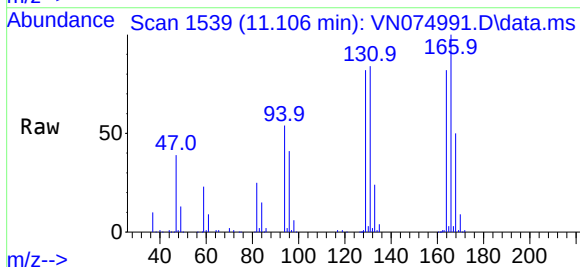
Instrument :
MSVOA_N
ClientSampleId :

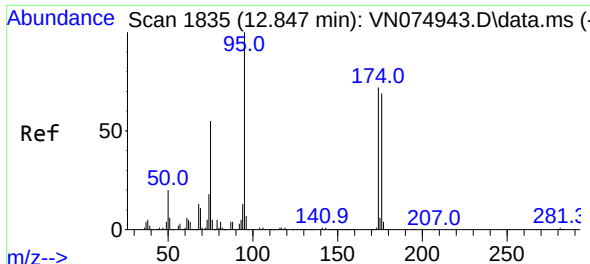
Tgt Ion: 63 Resp: 77
Ion Ratio Lower Upper
63 100
106 0.0 24.1 36.1#



#60
Dibromochloromethane
Concen: 3.169 ug/l
RT: 11.106 min Scan# 1539
Delta R.T. -0.253 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

Tgt Ion:129 Resp: 214631
Ion Ratio Lower Upper
129 100
127 0.6 39.0 116.9#

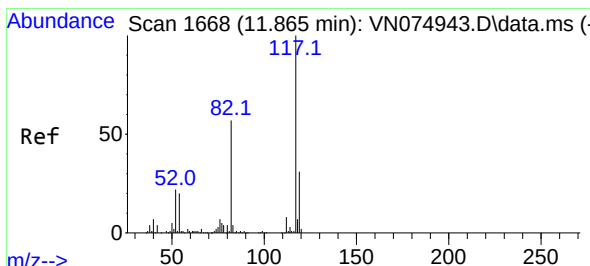
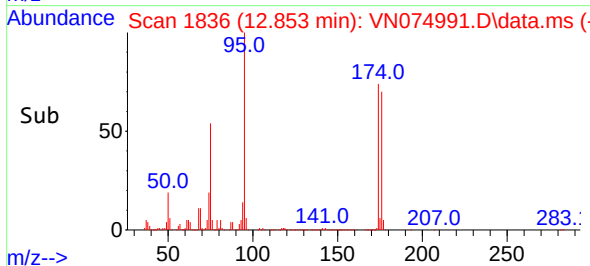
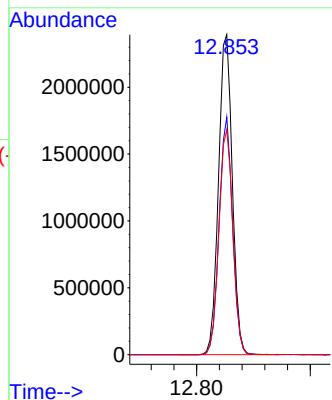
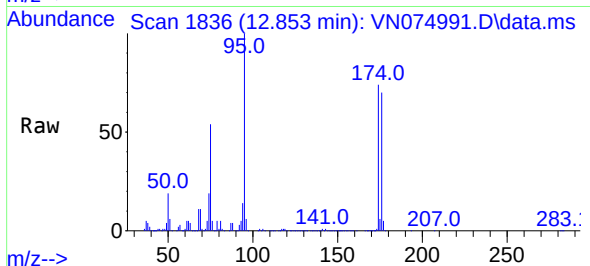




#62
4-Bromofluorobenzene
Concen: 49.124 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

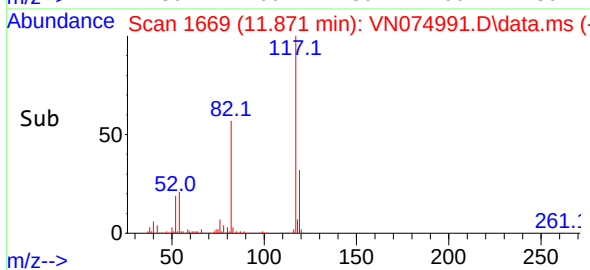
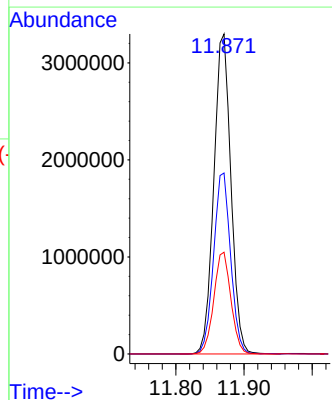
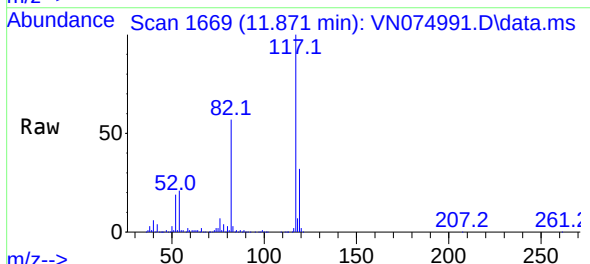
Instrument :
MSVOA_N
ClientSampleId :

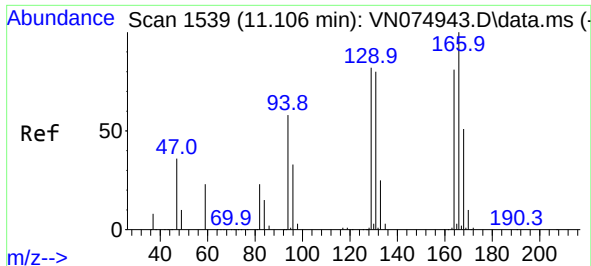
Tgt Ion: 95 Resp: 4034527
Ion Ratio Lower Upper
95 100
174 72.6 0.0 143.0
176 70.3 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

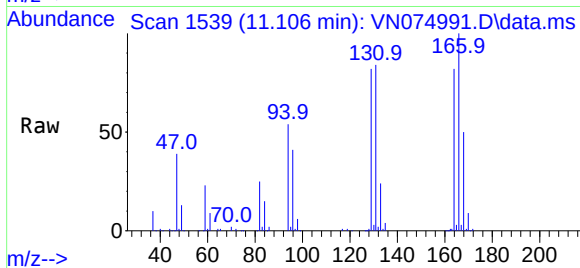
Tgt Ion:117 Resp: 5753733
Ion Ratio Lower Upper
117 100
82 56.5 45.6 68.4
119 31.8 25.1 37.7



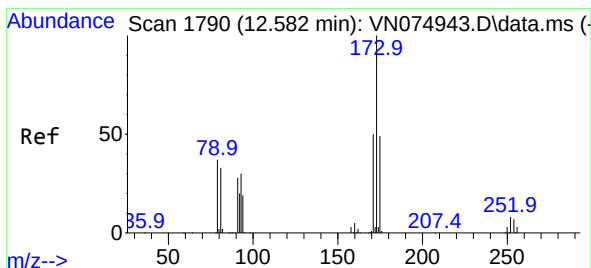
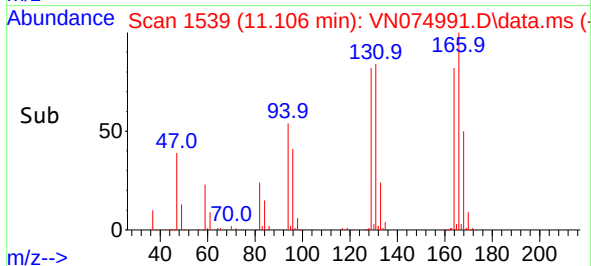
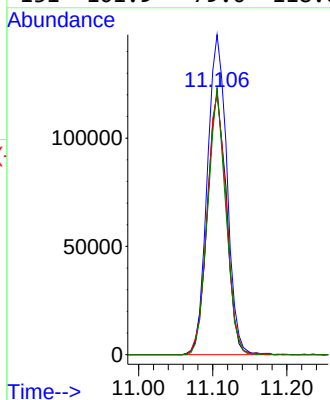


#64
Tetrachloroethene
Concen: 4.627 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

Instrument :
MSVOA_N
ClientSampleId :

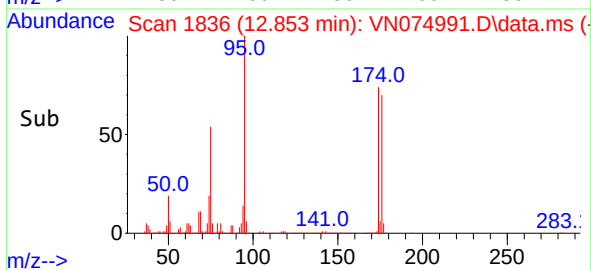
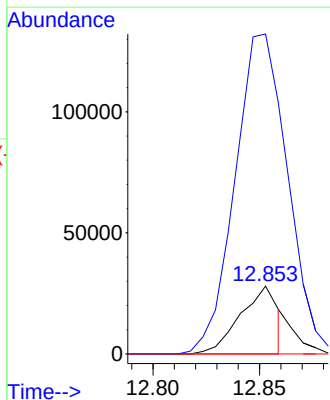
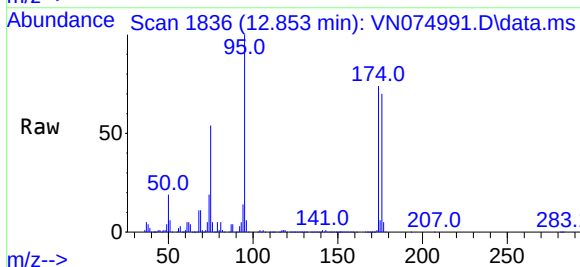


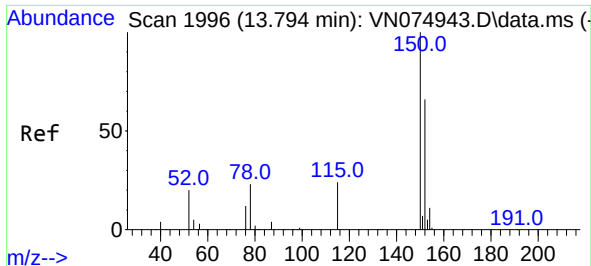
Tgt Ion:164 Resp: 217722
Ion Ratio Lower Upper
164 100
166 122.0 98.6 148.0
129 99.5 81.2 121.8
131 101.9 79.0 118.6



#71
Bromoform
Concen: 0.694 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

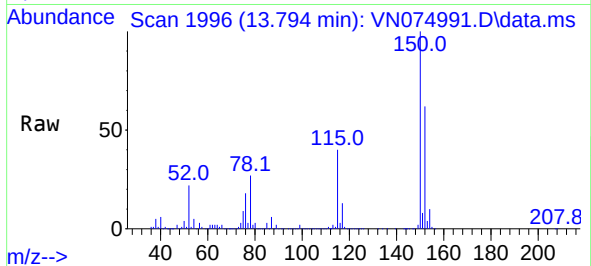
Tgt Ion:173 Resp: 34353
Ion Ratio Lower Upper
173 100
175 549.4 24.8 74.3#
254 0.0 0.1 0.1#



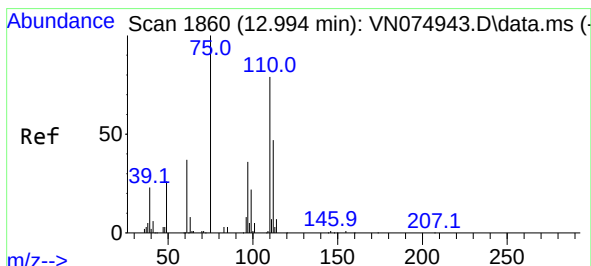
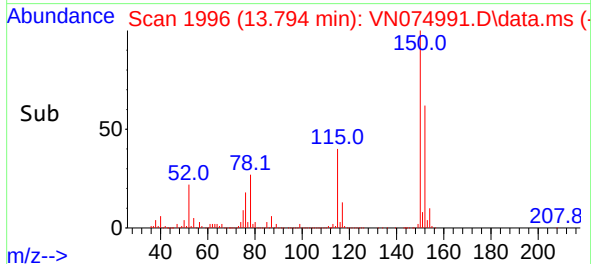
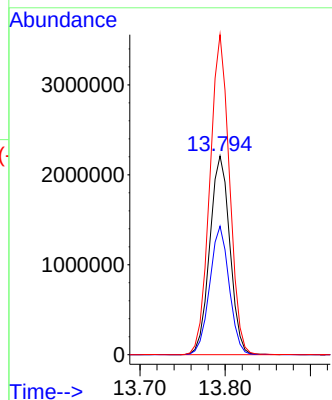


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

Instrument :
MSVOA_N
ClientSampleId :

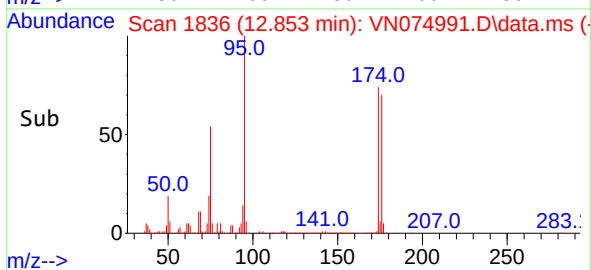
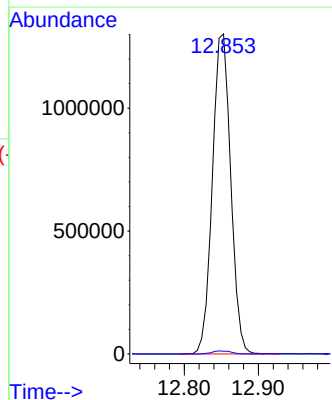
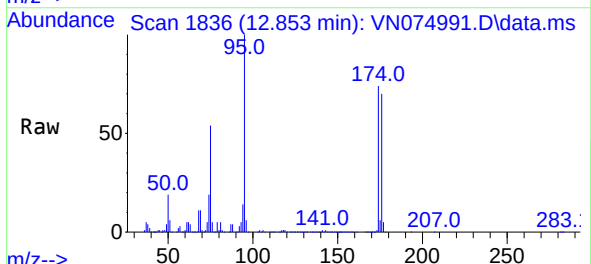


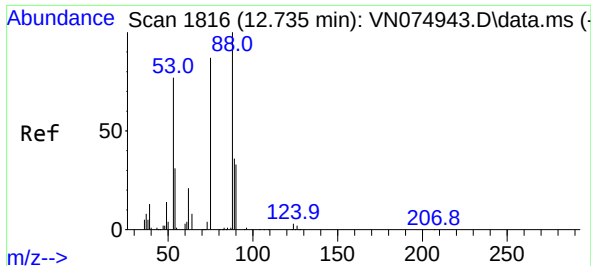
Tgt Ion:152 Resp: 3617175
Ion Ratio Lower Upper
152 100
115 62.8 31.3 93.8
150 157.1 0.0 349.6



#76
1,2,3-Trichloropropane
Concen: 22.755 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074991.D
Acq: 24 Oct 2022 18:14

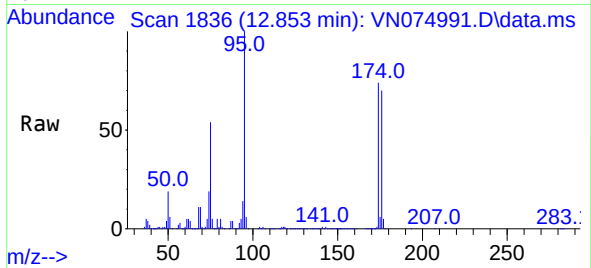
Tgt Ion: 75 Resp: 2232094
Ion Ratio Lower Upper
75 100
77 1.0 81.0 243.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.956 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN074991.D
 Acq: 24 Oct 2022 18:14

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 2232094

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

