

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074686.D
 Acq On : 01 Oct 2022 03:35
 Operator : JC\MD
 Sample : N4944-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 03 02:10:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 30 07:44:59 2022
 Response via : Initial Calibration

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

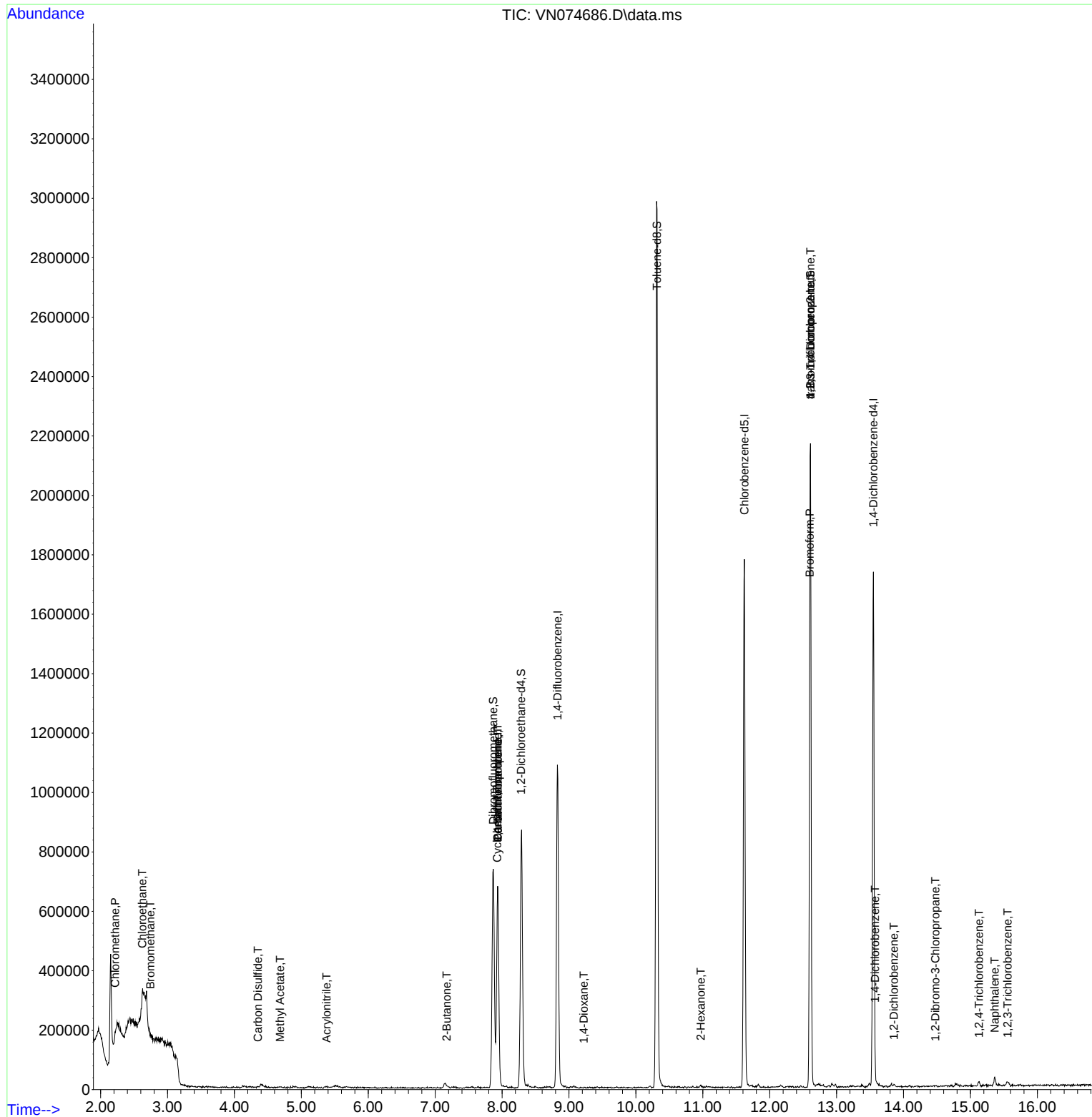
Internal Standards						
1) Pentafluorobenzene	7.933	168	486262	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	933674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.621	117	940337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	411665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	649968	53.334	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.660%			
35) Dibromofluoromethane	7.869	113	515164	52.129	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.260%			
50) Toluene-d8	10.316	98	1989970	47.872	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.740%			
62) 4-Bromofluorobenzene	12.610	95	637223	48.344	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.680%			
Target Compounds						Qvalue
3) Chloromethane	2.216	50	5968	0.401	ug/l #	87
5) Bromomethane	2.746	94	4277	0.286	ug/l	89
6) Chloroethane	2.622	64	37737	2.271	ug/l #	52
8) Diethyl Ether	3.710	74	214	Below Cal		55
13) Acrolein	3.898	56	886	Below Cal	#	51
15) Acrylonitrile	5.375	53	1659	0.216	ug/l #	17
16) Acetone	4.145	43	9610	Below Cal	#	61
17) Carbon Disulfide	4.351	76	5494	0.207	ug/l #	75
18) Methyl Acetate	4.681	43	7043	0.313	ug/l #	62
20) Methylene Chloride	4.892	84	1978	Below Cal	#	43
25) 2-Butanone	7.175	43	5761	0.514	ug/l #	47
31) Cyclohexane	7.928	56	15961	0.806	ug/l #	63
36) 1,1-Dichloropropene	7.933	75	45157	2.853	ug/l #	48
38) Carbon Tetrachloride	7.933	117	52369	3.612	ug/l #	16
49) 1,4-Dioxane	9.222	88	168	0.571	ug/l #	1
59) 2-Hexanone	10.969	43	5721	0.319	ug/l	98
71) Bromoform	12.598	173	5409	0.672	ug/l #	28
74) N-amyl acetate	12.274	43	2193	Below Cal	#	81
75) 1,1,2,2-Tetrachloroethane	12.710	83	1061	Below Cal	#	62
76) 1,2,3-Trichloropropane	12.610	75	387027	41.682	ug/l #	1
77) Bromobenzene	12.727	156	716	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.610	75	387027	78.565	ug/l #	11
88) 1,4-Dichlorobenzene	13.574	146	4159	0.271	ug/l #	26
91) 1,2-Dichlorobenzene	13.857	146	3508	0.224	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	14.474	75	728	0.246	ug/l	61
93) 1,2,4-Trichlorobenzene	15.127	180	3680	0.527	ug/l	92
94) Hexachlorobutadiene	15.227	225	622	Below Cal		67
95) Naphthalene	15.362	128	23849	0.872	ug/l	97
96) 1,2,3-Trichlorobenzene	15.557	180	5899	0.848	ug/l #	47

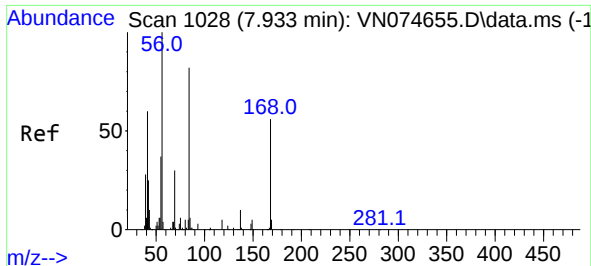
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
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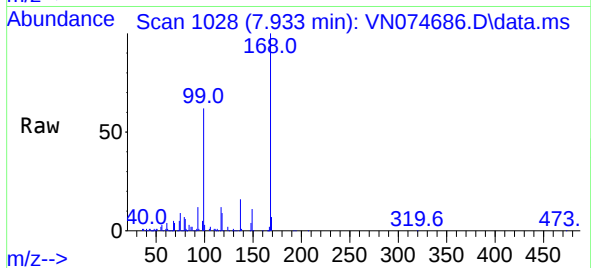
Quant Time: Oct 03 02:10:59 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 30 07:44:59 2022
Response via : Initial Calibration



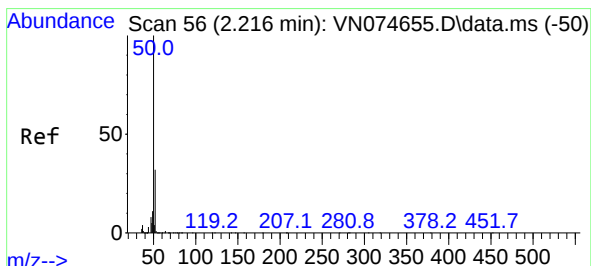
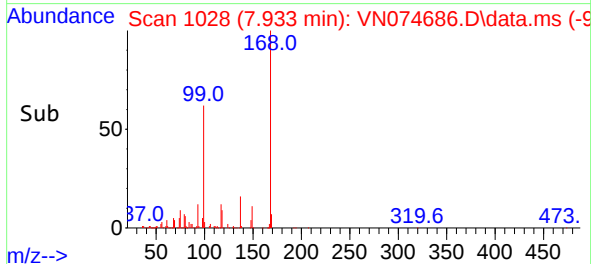
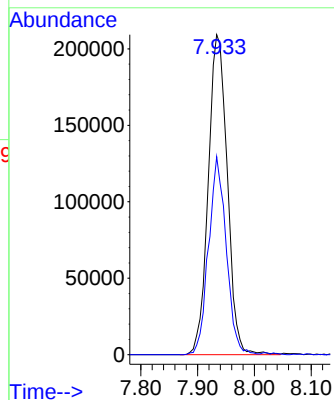


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

Instrument :
MSVOA_N
ClientSampleId :

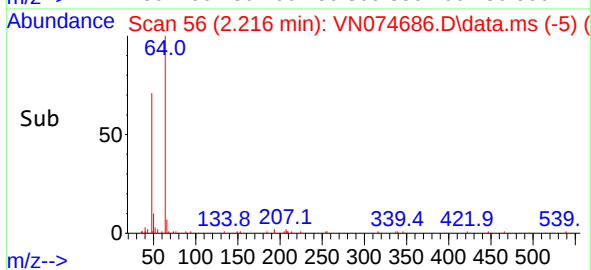
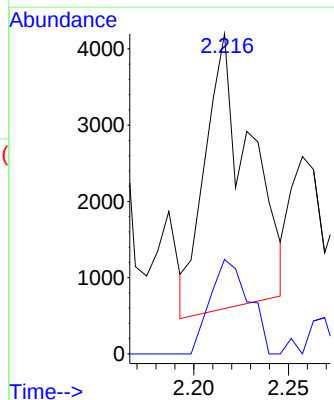
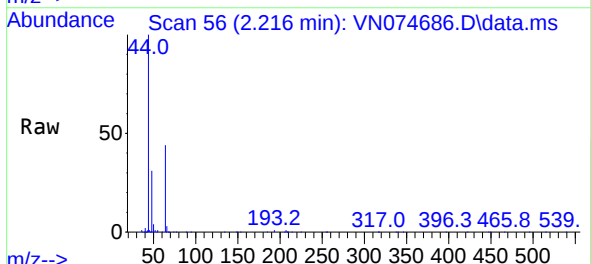


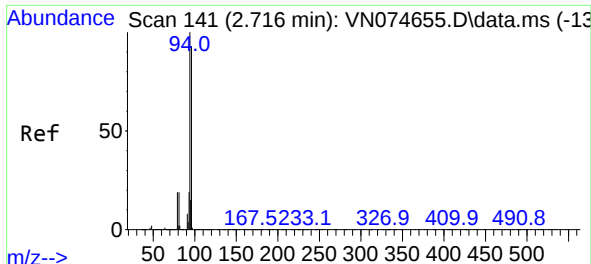
Tgt Ion:168 Resp: 486262
Ion Ratio Lower Upper
168 100
99 61.9 42.3 63.5



#3
Chloromethane
Concen: 0.401 ug/l
RT: 2.216 min Scan# 56
Delta R.T. 0.000 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

Tgt Ion: 50 Resp: 5968
Ion Ratio Lower Upper
50 100
52 39.3 25.7 38.5#

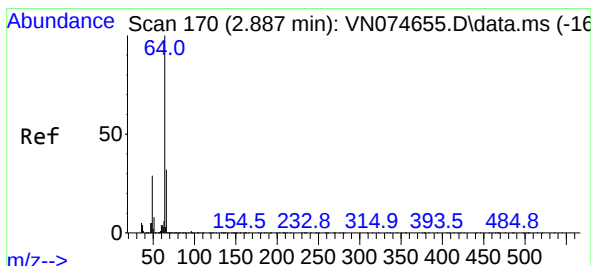
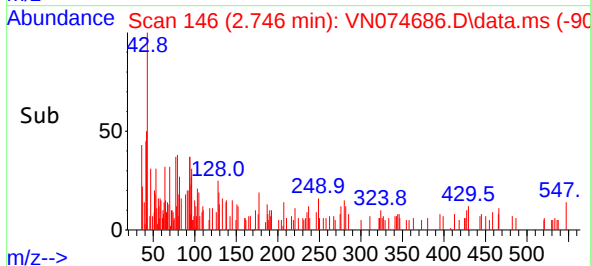
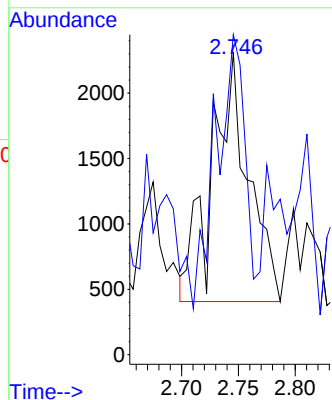
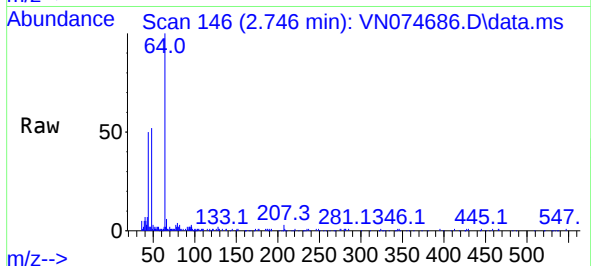




#5
Bromomethane
Concen: 0.286 ug/l
RT: 2.746 min Scan# 141
Delta R.T. 0.030 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

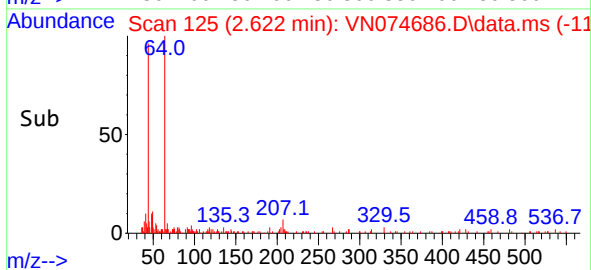
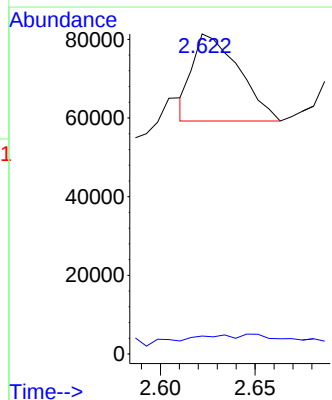
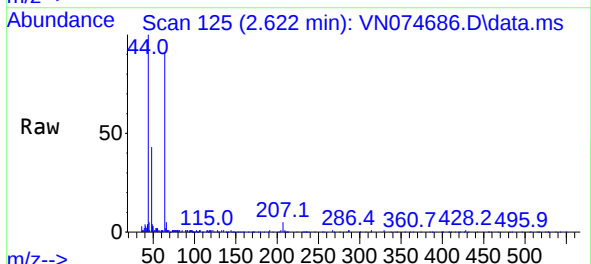
Instrument :
MSVOA_N
ClientSampleId :

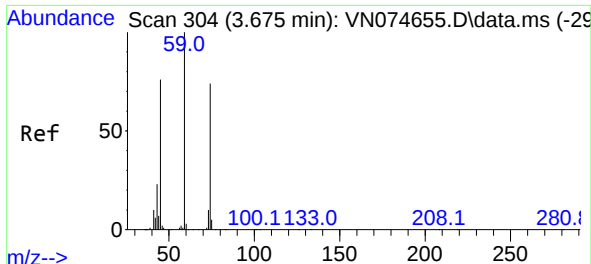
Tgt Ion: 94 Resp: 4277
Ion Ratio Lower Upper
94 100
96 105.7 76.0 114.0



#6
Chloroethane
Concen: 2.271 ug/l
RT: 2.622 min Scan# 125
Delta R.T. -0.265 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

Tgt Ion: 64 Resp: 37737
Ion Ratio Lower Upper
64 100
66 5.8 26.2 39.4#

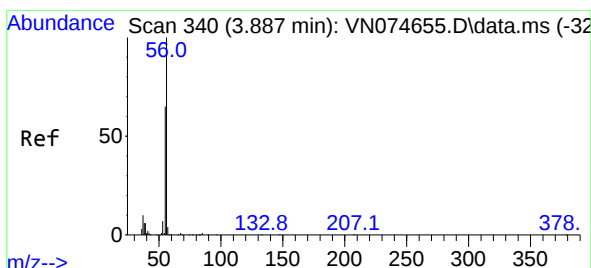
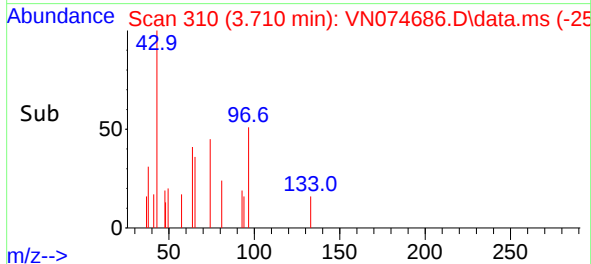
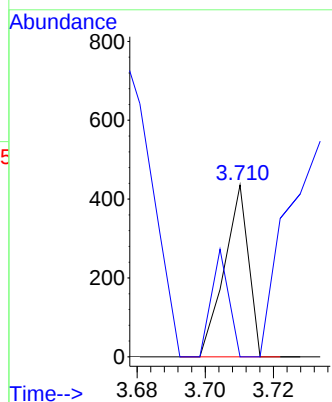
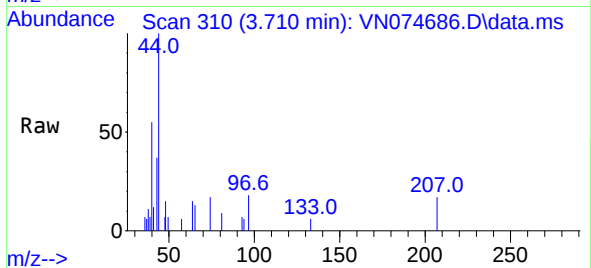




#8
Diethyl Ether
Concen: Below Cal
RT: 3.710 min Scan# 310
Delta R.T. 0.035 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

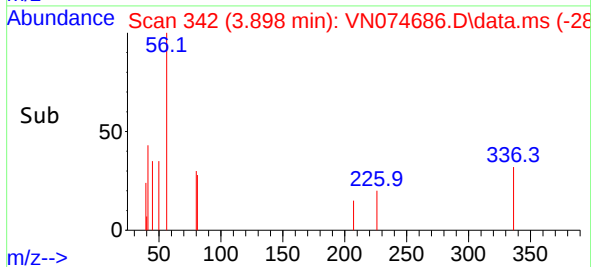
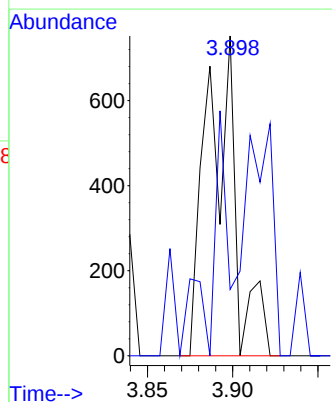
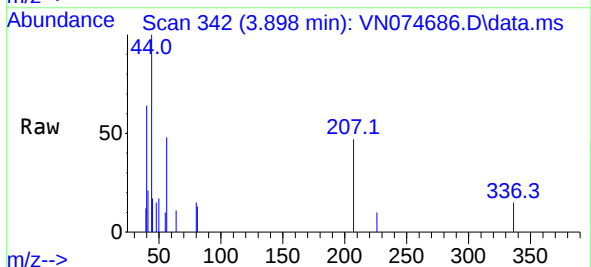
Instrument :
MSVOA_N
ClientSampleId :

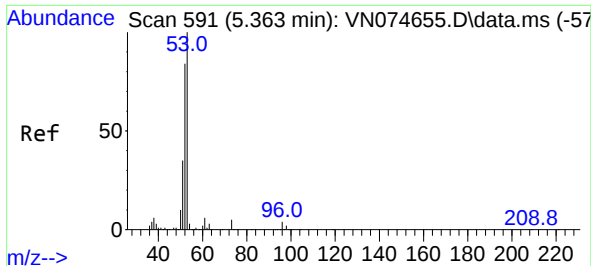
Tgt Ion: 74 Resp: 214
Ion Ratio Lower Upper
74 100
45 44.9 42.9 128.5



#13
Acrolein
Concen: Below Cal
RT: 3.898 min Scan# 342
Delta R.T. 0.011 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

Tgt Ion: 56 Resp: 886
Ion Ratio Lower Upper
56 100
55 29.1 54.8 82.2#

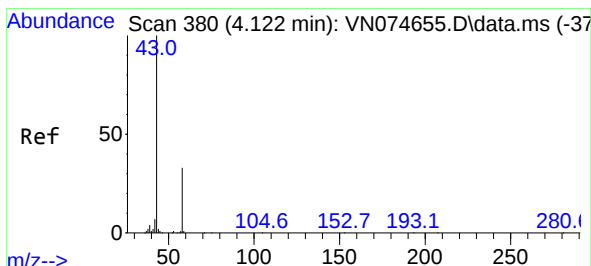
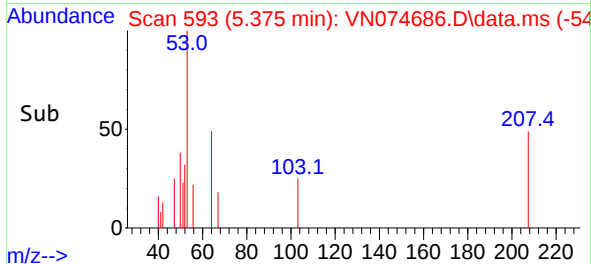
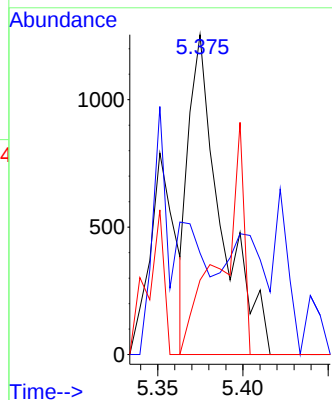
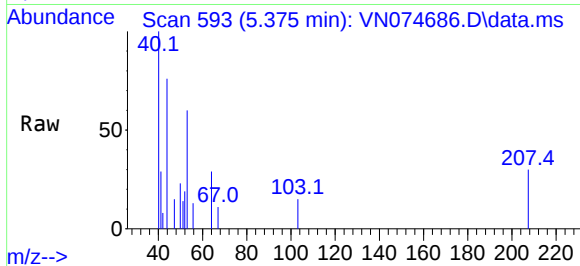




#15
Acrylonitrile
Concen: 0.216 ug/l
RT: 5.375 min Scan# 591
Delta R.T. 0.012 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

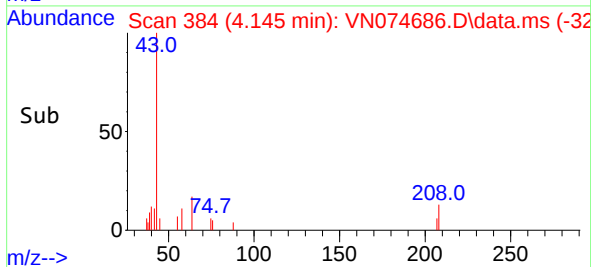
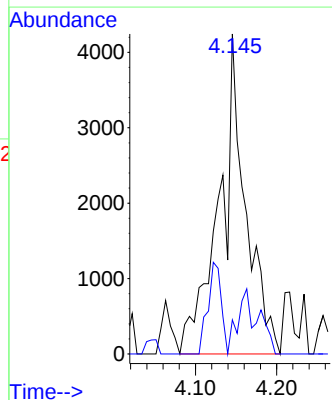
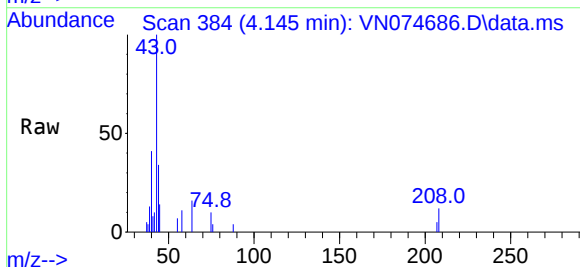
Instrument :
MSVOA_N
ClientSampleId :

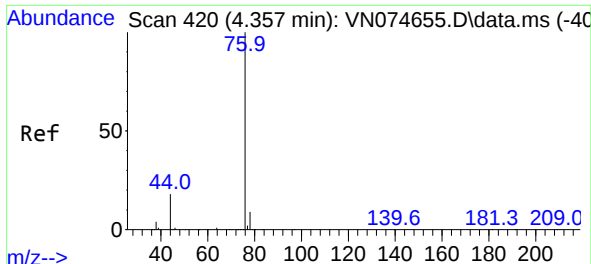
Tgt Ion: 53 Resp: 1659
Ion Ratio Lower Upper
53 100
52 0.0 66.4 99.6#
51 0.0 28.5 42.7#



#16
Acetone
Concen: Below Cal
RT: 4.145 min Scan# 384
Delta R.T. 0.023 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

Tgt Ion: 43 Resp: 9610
Ion Ratio Lower Upper
43 100
58 10.7 26.0 39.0#

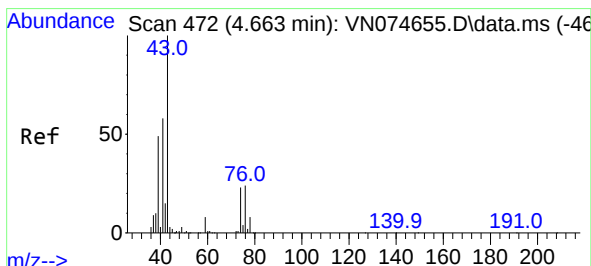
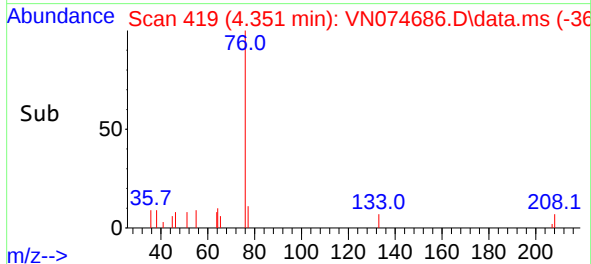
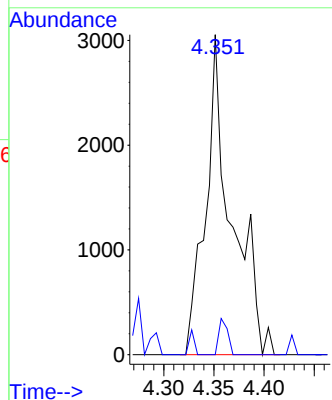
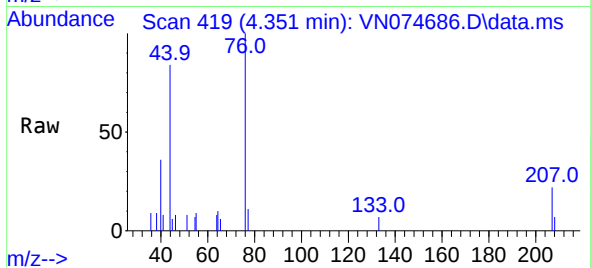




#17
Carbon Disulfide
Concen: 0.207 ug/l
RT: 4.351 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

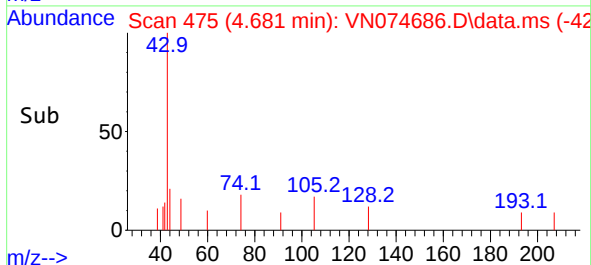
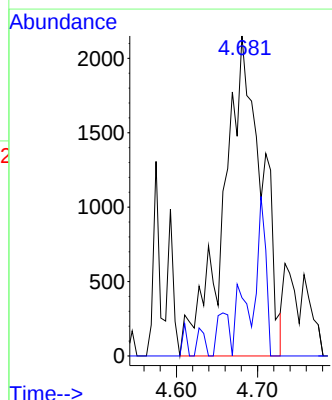
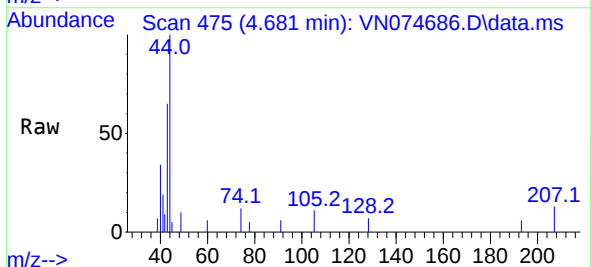
Instrument :
MSVOA_N
ClientSampleId :

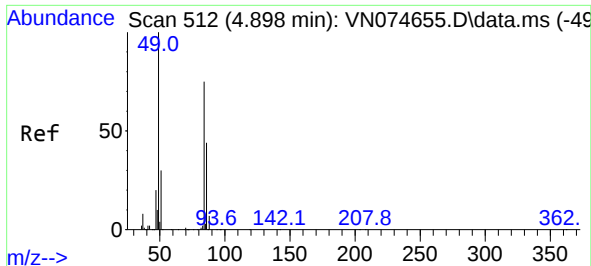
Tgt Ion: 76 Resp: 5494
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.313 ug/l
RT: 4.681 min Scan# 475
Delta R.T. 0.018 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

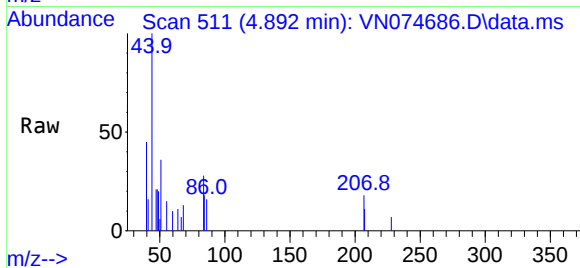
Tgt Ion: 43 Resp: 7043
Ion Ratio Lower Upper
43 100
74 7.1 21.6 32.4#





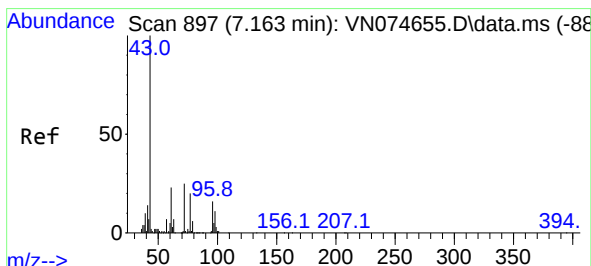
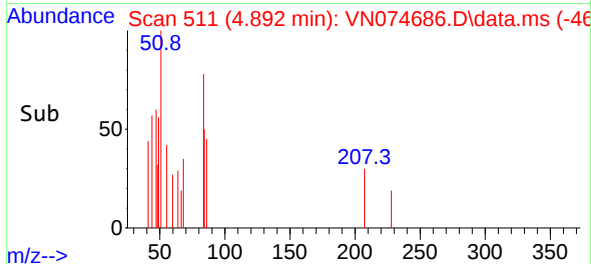
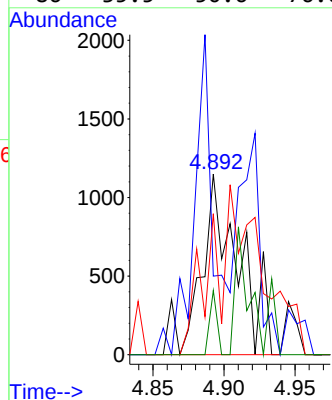
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Methylene Chloride
Concen: Below Cal
RT: 4.892 min Scan# 511
Delta R.T. -0.006 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1978

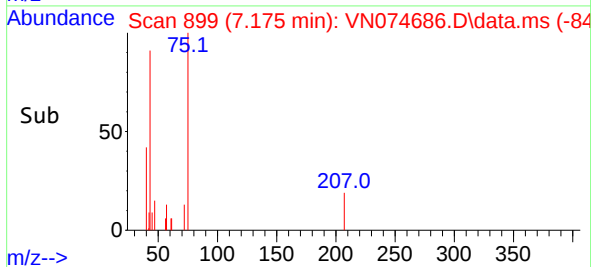
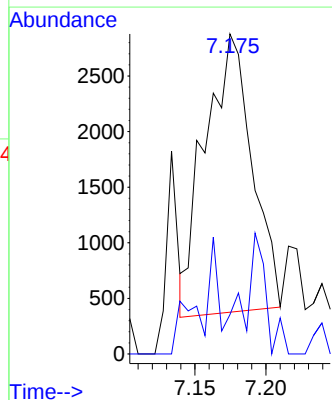
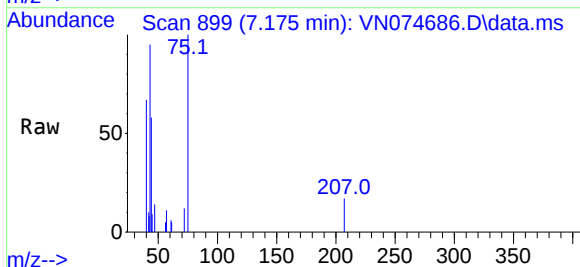
Ion	Ratio	Lower	Upper
84	100		
49	43.5	88.3	132.5#
51	78.1	28.2	42.2#
86	35.5	50.6	76.0#

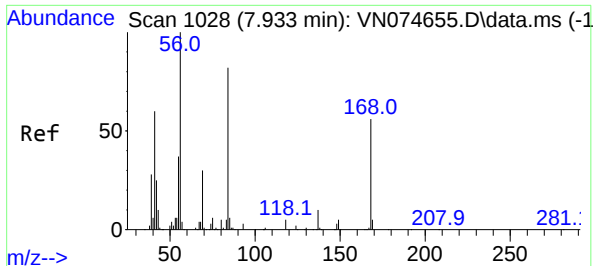


#25
2-Butanone
Concen: 0.514 ug/l
RT: 7.175 min Scan# 899
Delta R.T. 0.012 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

Tgt Ion: 43 Resp: 5761

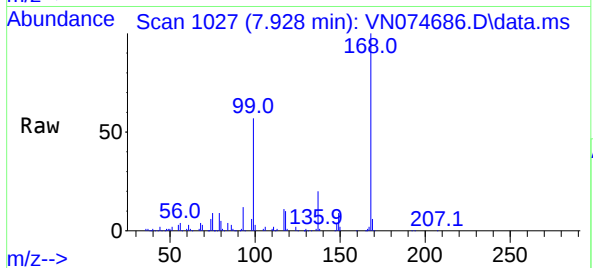
Ion	Ratio	Lower	Upper
43	100		
72	1.3	23.7	35.5#



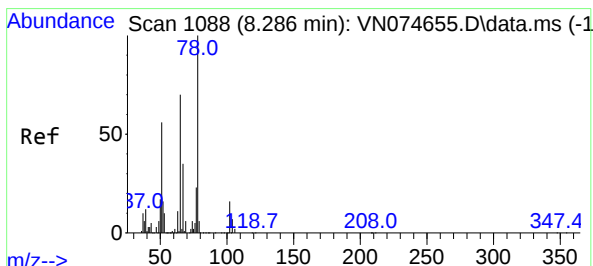
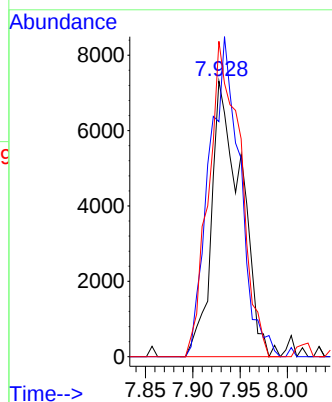
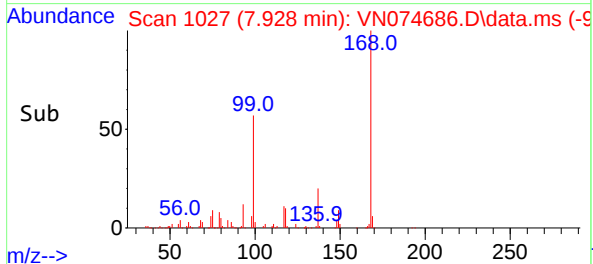


#31
Cyclohexane
Concen: 0.806 ug/l
RT: 7.928 min Scan# 1027
Delta R.T. -0.005 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

Instrument :
MSVOA_N
ClientSampleId :

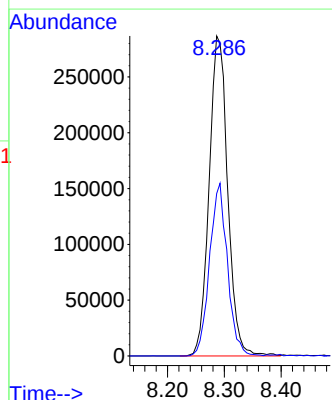
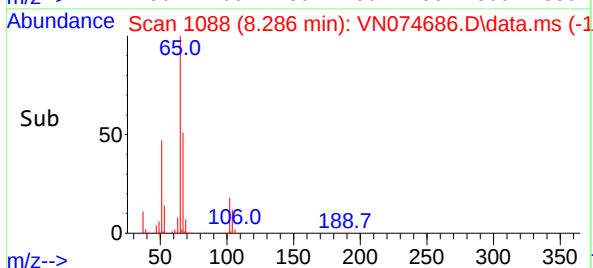
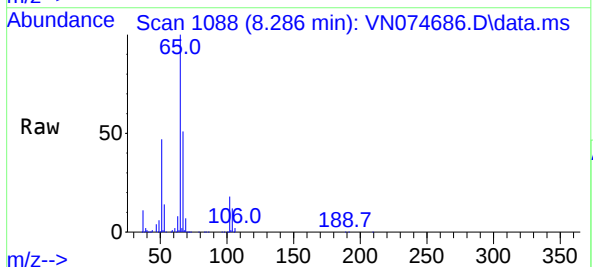


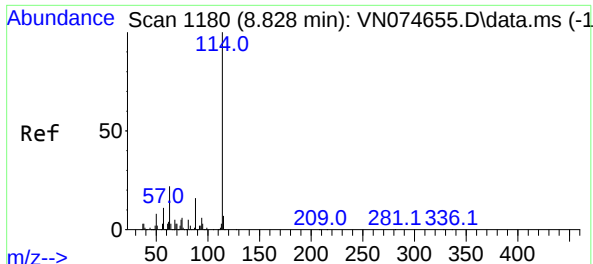
Tgt Ion: 56 Resp: 15961
Ion Ratio Lower Upper
56 100
69 85.3 27.8 41.8#
84 114.5 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 53.334 ug/l
RT: 8.286 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

Tgt Ion: 65 Resp: 649968
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.8

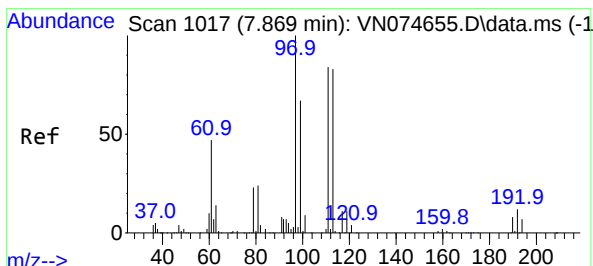
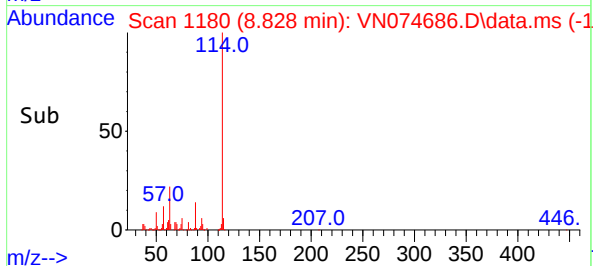
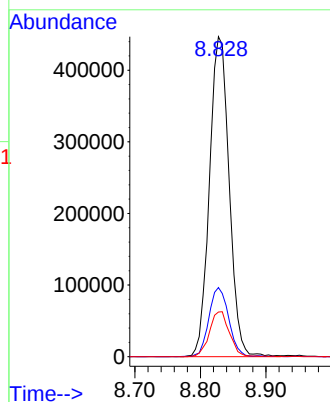
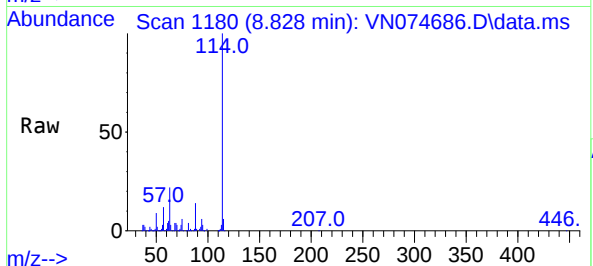




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.828 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

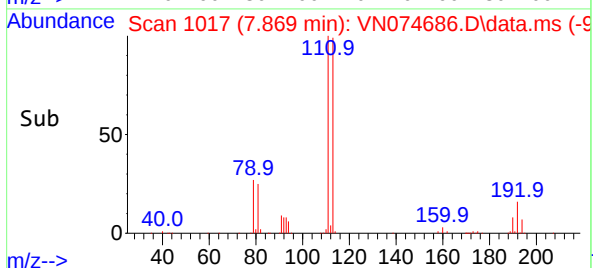
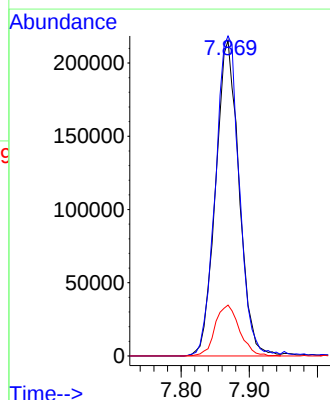
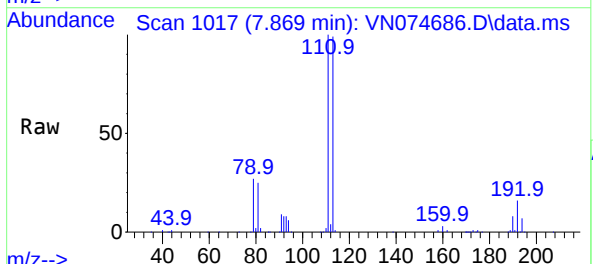
Instrument :
MSVOA_N
ClientSampleId :

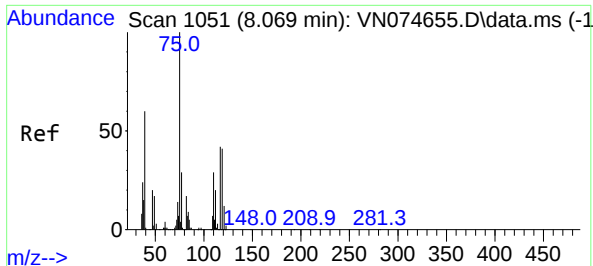
Tgt Ion:114 Resp: 933674
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.0
88 13.9 0.0 32.6



#35
Dibromofluoromethane
Concen: 52.129 ug/l
RT: 7.869 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

Tgt Ion:113 Resp: 515164
Ion Ratio Lower Upper
113 100
111 103.4 81.4 122.0
192 16.7 17.0 25.6#





#36

1,1-Dichloropropene

Concen: 2.853 ug/l

RT: 7.933 min Scan# 1028

Delta R.T. -0.136 min

Lab File: VN074686.D

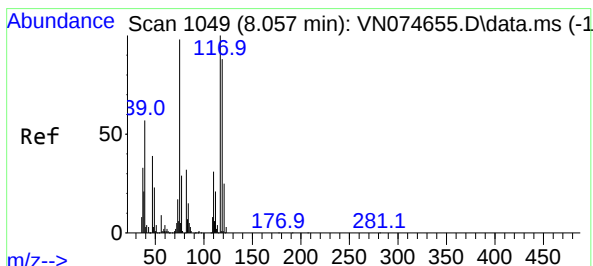
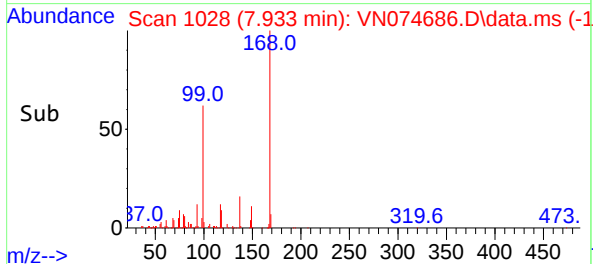
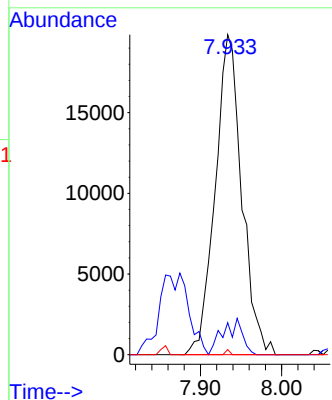
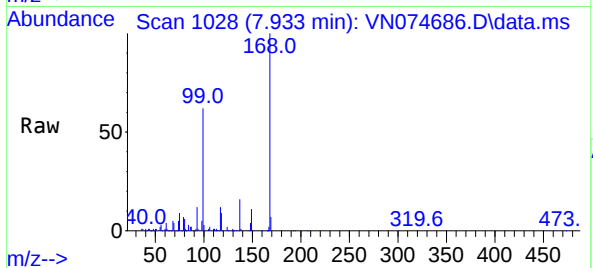
Acq: 01 Oct 2022 03:35

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 75	Resp: 45157
Ion Ratio	Lower Upper
75	100
110	8.3 18.3 54.8#
77	0.3 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 3.612 ug/l

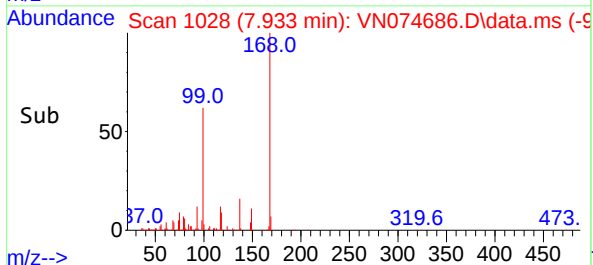
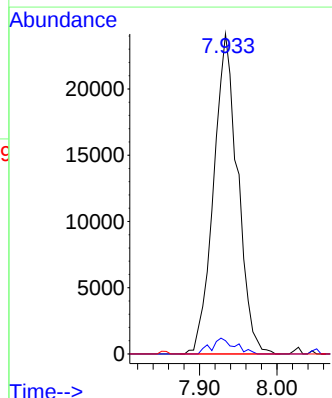
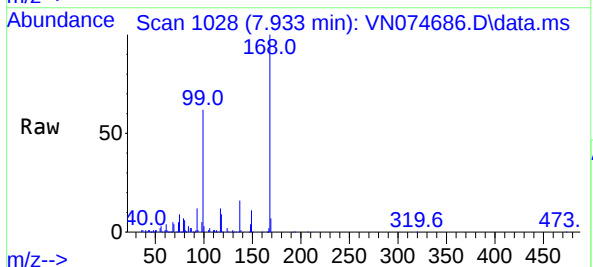
RT: 7.933 min Scan# 1028

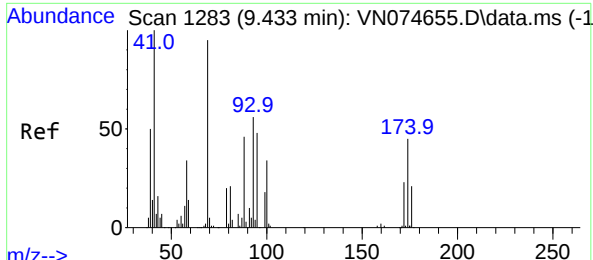
Delta R.T. -0.124 min

Lab File: VN074686.D

Acq: 01 Oct 2022 03:35

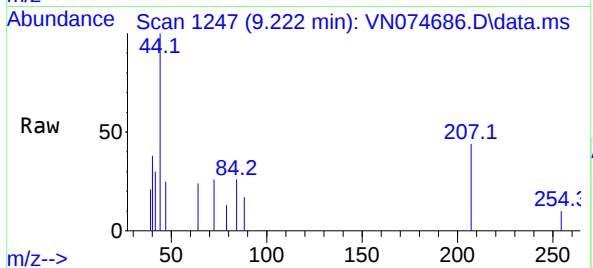
Tgt Ion: 117	Resp: 52369
Ion Ratio	Lower Upper
117	100
119	4.2 75.8 113.8#
121	0.0 24.6 37.0#



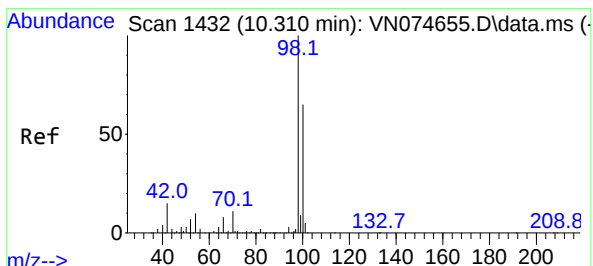
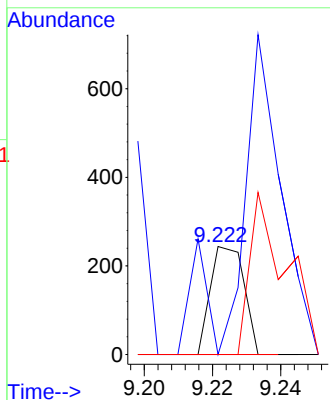
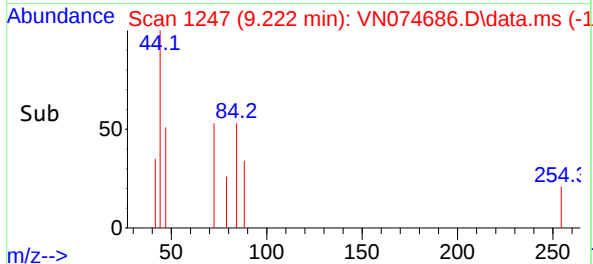


#49
1,4-Dioxane
Concen: 0.571 ug/l
RT: 9.222 min Scan# 11
Delta R.T. -0.211 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

Instrument :
MSVOA_N
ClientSampleId :

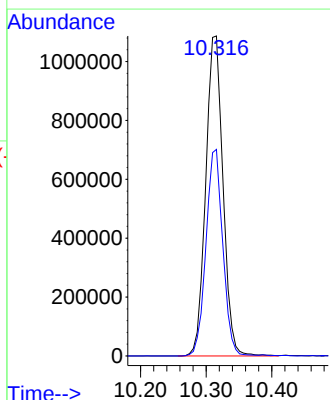
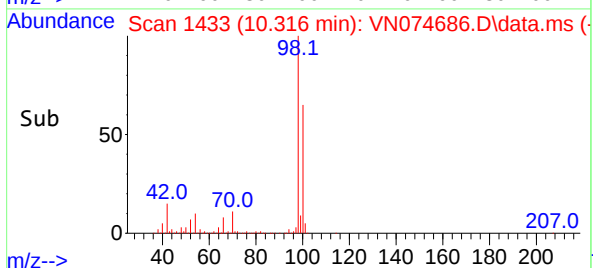
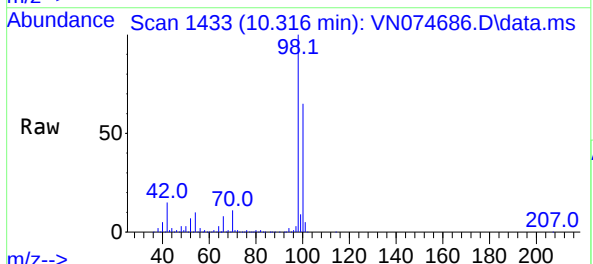


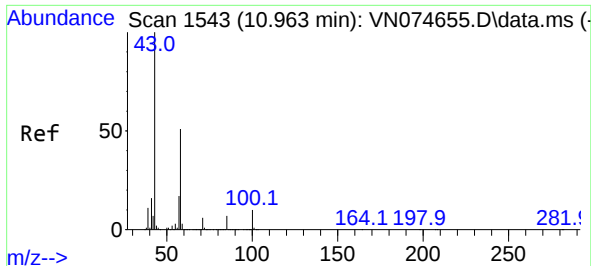
Tgt Ion: 88 Resp: 168
Ion Ratio Lower Upper
88 100
43 360.7 20.2 30.4#
58 158.9 54.2 81.4#



#50
Toluene-d8
Concen: 47.872 ug/l
RT: 10.316 min Scan# 1433
Delta R.T. 0.006 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

Tgt Ion: 98 Resp: 1989970
Ion Ratio Lower Upper
98 100
100 62.9 52.6 78.8

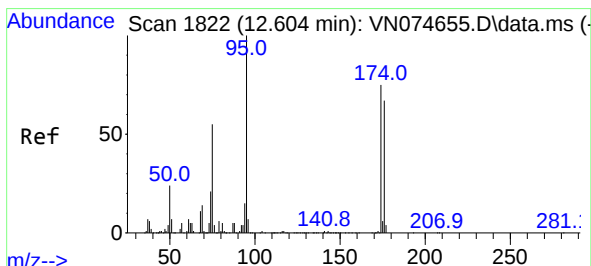
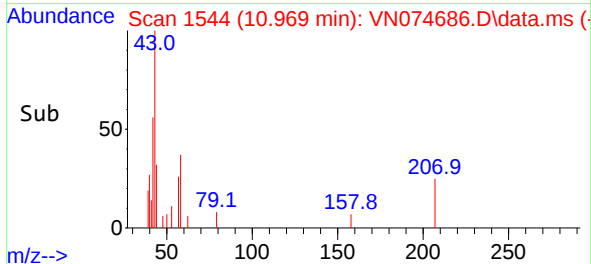
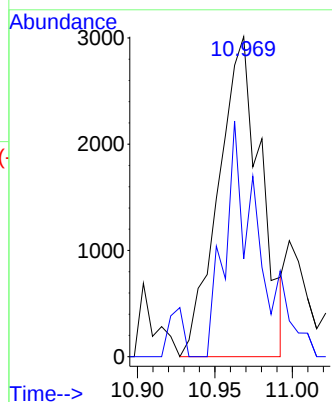
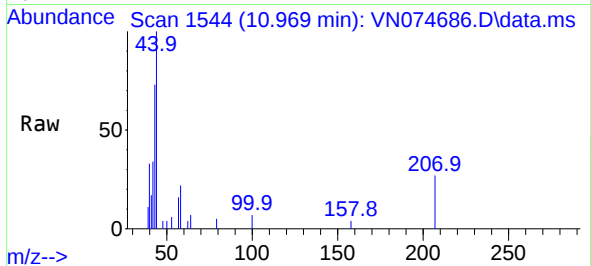




#59
2-Hexanone
Concen: 0.319 ug/l
RT: 10.969 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

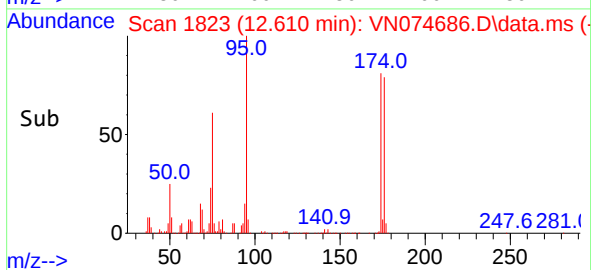
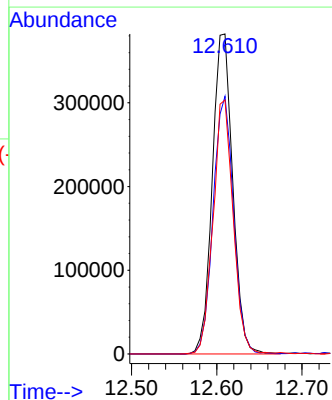
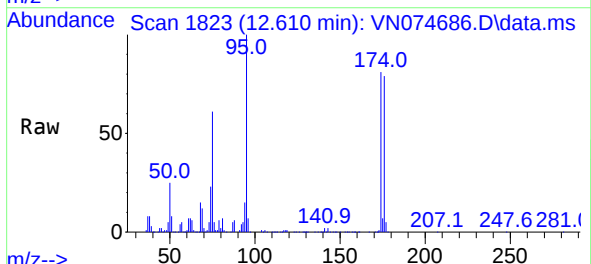
Instrument :
MSVOA_N
ClientSampleId :

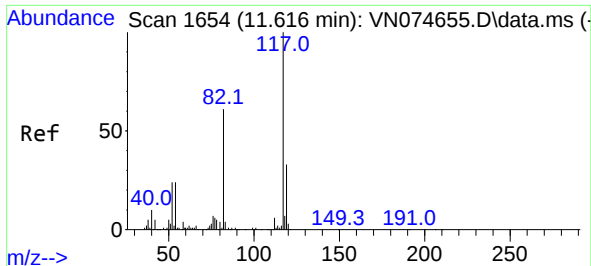
Tgt Ion: 43 Resp: 5721
Ion Ratio Lower Upper
43 100
58 58.2 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 48.344 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

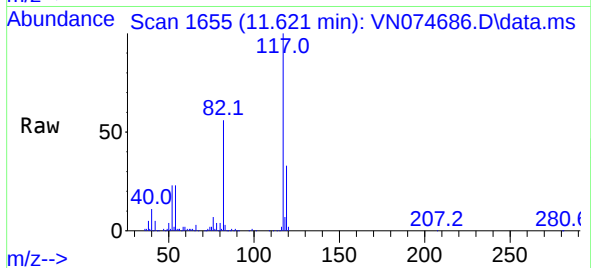
Tgt Ion: 95 Resp: 637223
Ion Ratio Lower Upper
95 100
174 80.6 0.0 167.6
176 78.0 0.0 163.4



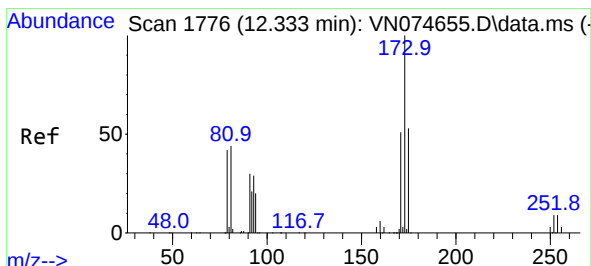
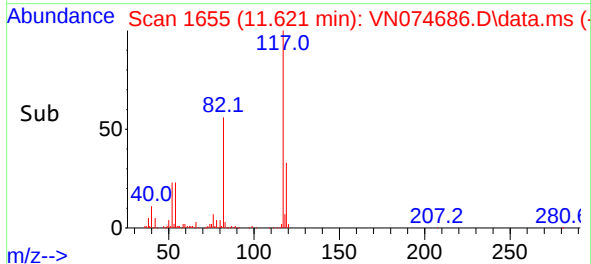
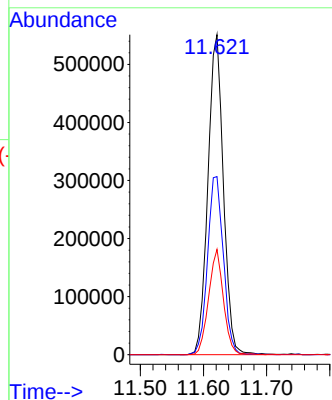


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.621 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

Instrument :
MSVOA_N
ClientSampleId :

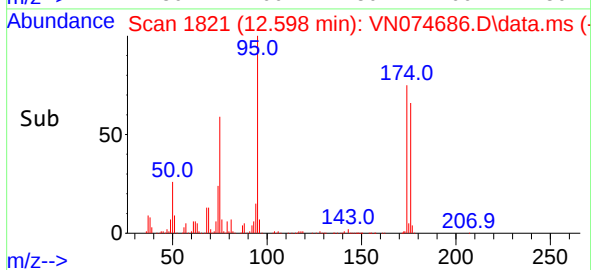
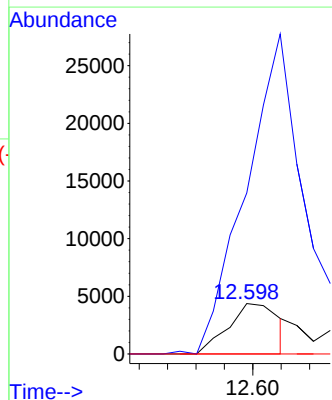
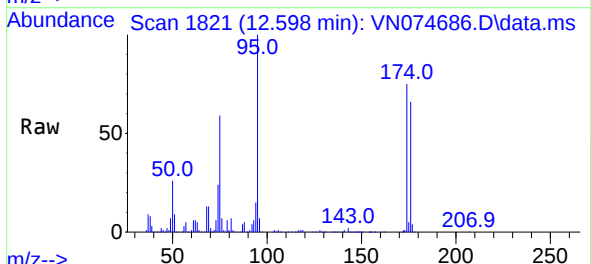


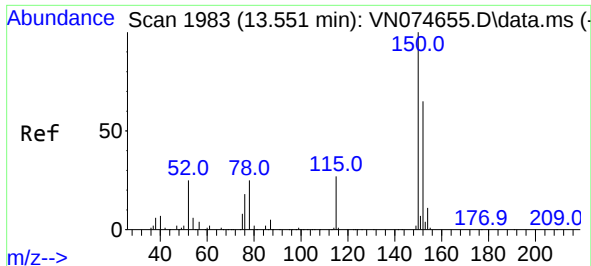
Tgt Ion:117 Resp: 940337
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.2
119 32.9 25.4 38.0



#71
Bromoform
Concen: 0.672 ug/l
RT: 12.598 min Scan# 1821
Delta R.T. 0.265 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

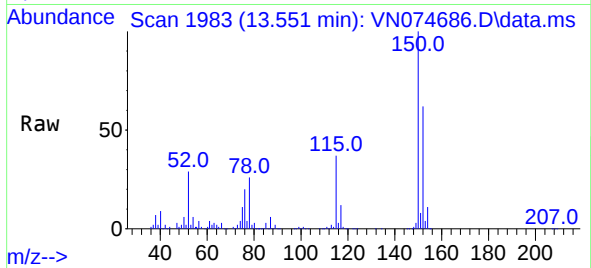
Tgt Ion:173 Resp: 5409
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



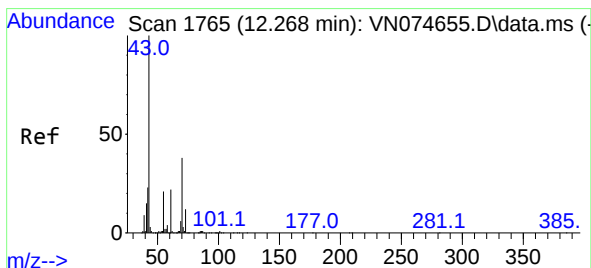
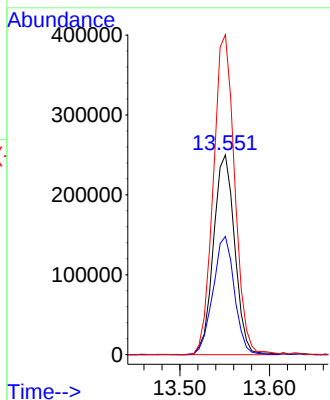
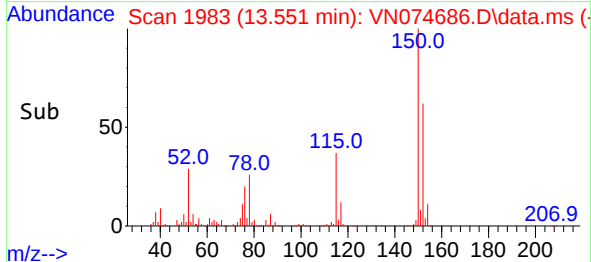


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

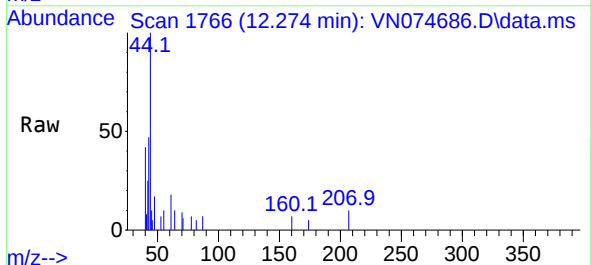
Instrument :
MSVOA_N
ClientSampleId :



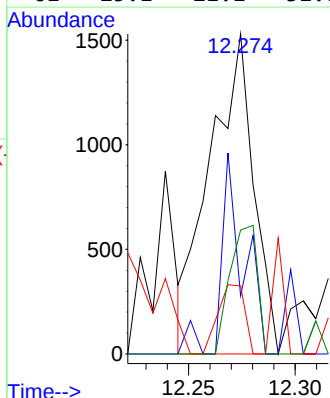
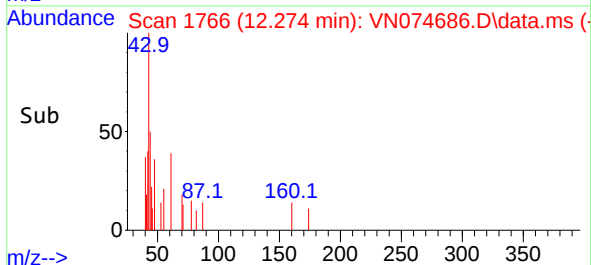
Tgt Ion:152 Resp: 411665
Ion Ratio Lower Upper
152 100
115 59.7 28.9 86.7
150 161.3 0.0 356.2

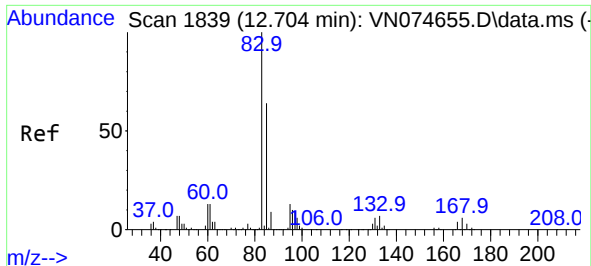


#74
N-ethyl acetate
Concen: Below Cal
RT: 12.274 min Scan# 1766
Delta R.T. 0.006 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35



Tgt Ion: 43 Resp: 2193
Ion Ratio Lower Upper
43 100
70 31.6 39.0 58.4#
55 13.1 21.1 31.7#
61 25.1 21.1 31.7

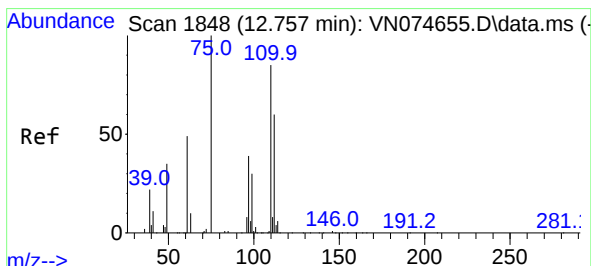
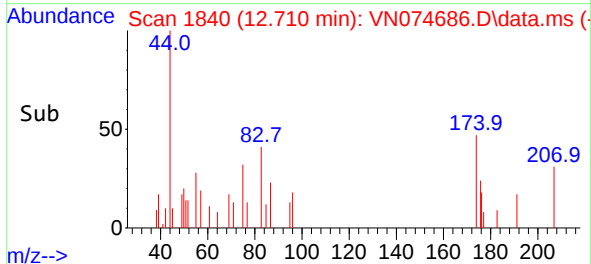
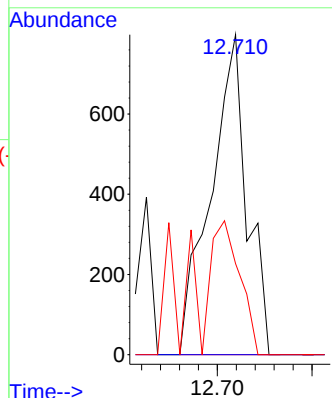
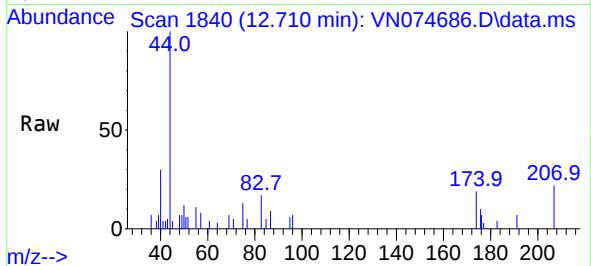




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.710 min Scan# 1840
Delta R.T. 0.006 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

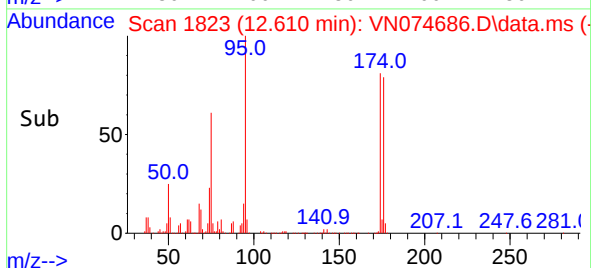
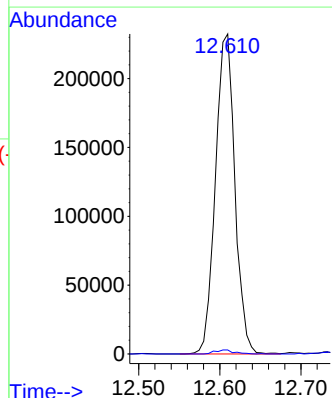
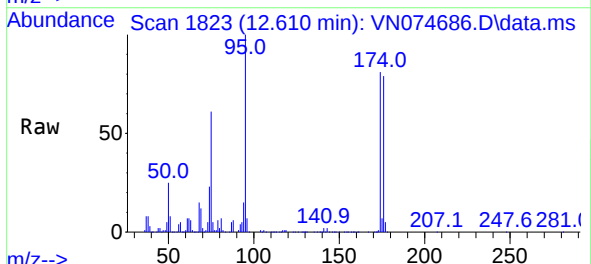
Instrument :
MSVOA_N
ClientSampleId :

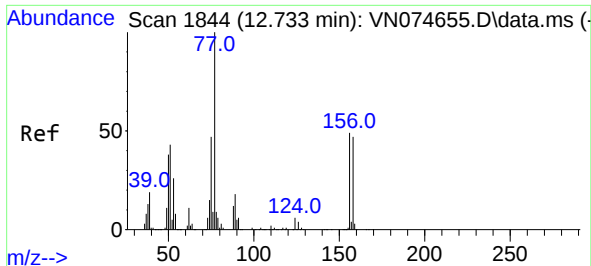
Tgt Ion: 83 Resp: 1061
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 33.4 32.3 96.9



#76
1,2,3-Trichloropropane
Concen: 41.682 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. -0.147 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

Tgt Ion: 75 Resp: 387027
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#

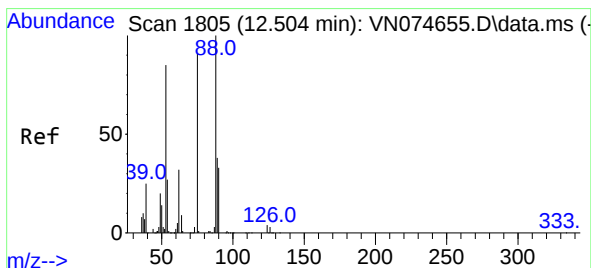
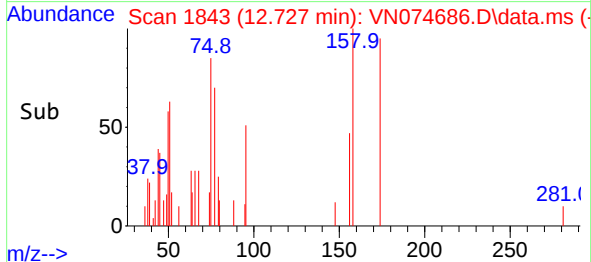
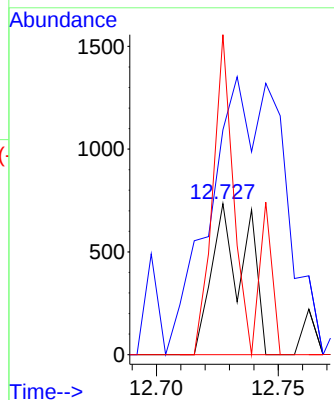
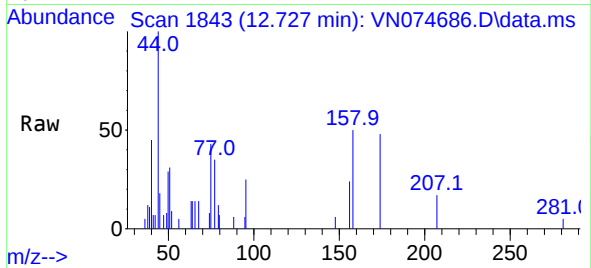




#77
Bromobenzene
Concen: Below Cal
RT: 12.727 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

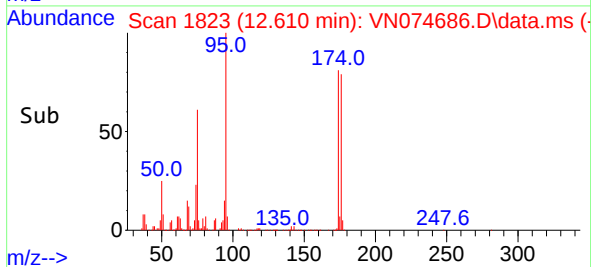
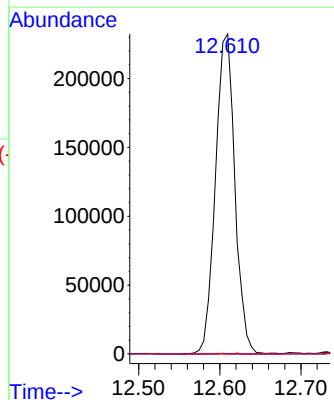
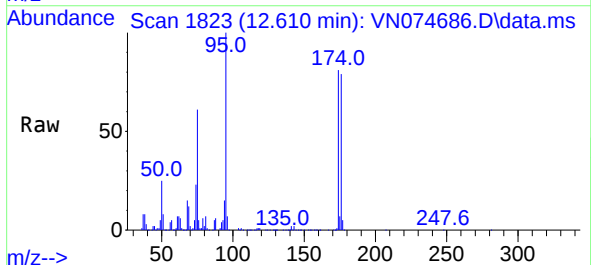
Instrument :
MSVOA_N
ClientSampleId :

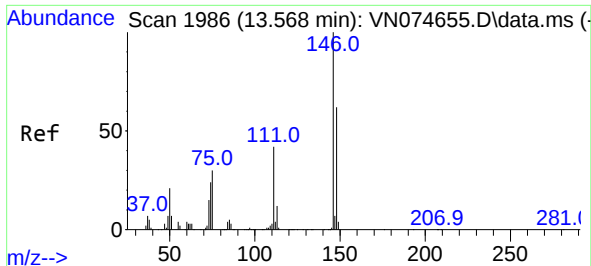
Tgt Ion:156 Resp: 716
Ion Ratio Lower Upper
156 100
77 404.3 100.5 301.5#
158 127.1 48.9 146.6



#81
trans-1,4-Dichloro-2-butene
Concen: 78.565 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. 0.106 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

Tgt Ion: 75 Resp: 387027
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#

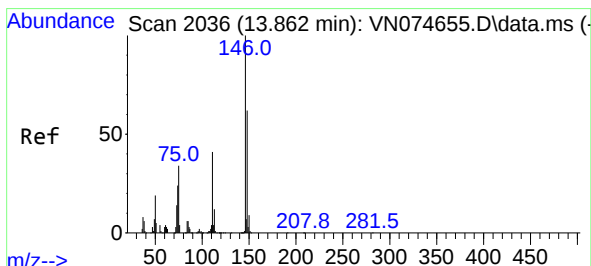
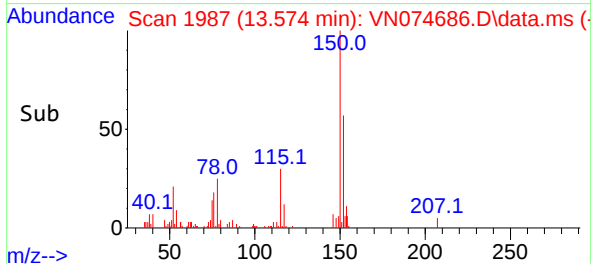
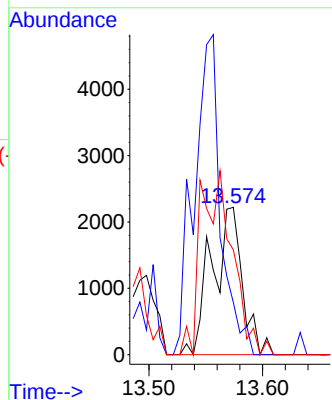
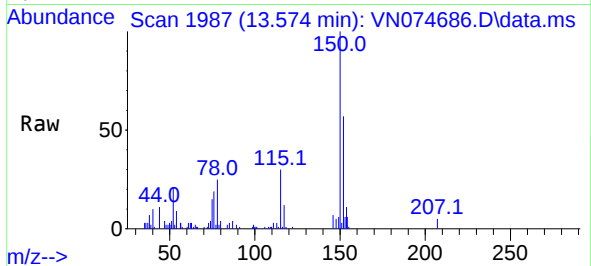




#88
1,4-Dichlorobenzene
Concen: 0.271 ug/l
RT: 13.574 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

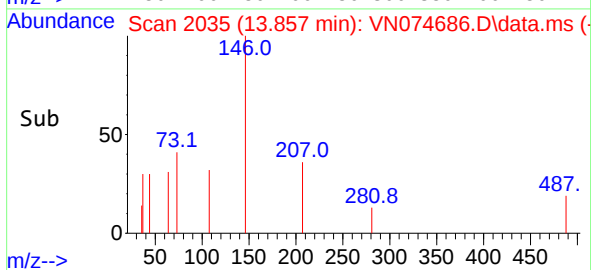
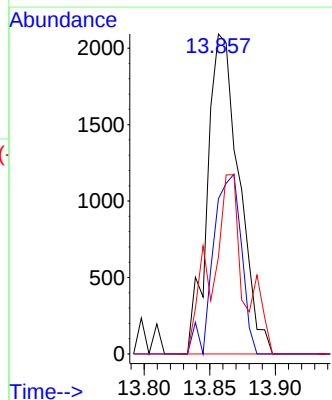
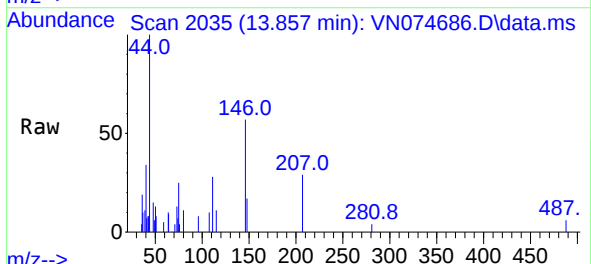
Instrument :
MSVOA_N
ClientSampleId :

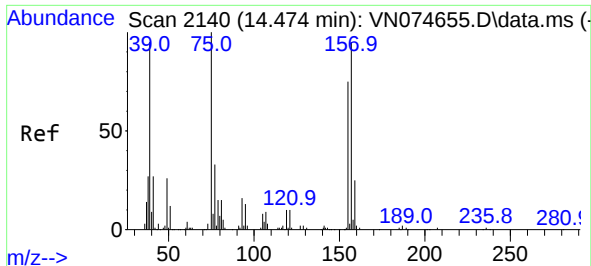
Tgt Ion:146 Resp: 4159
Ion Ratio Lower Upper
146 100
111 0.0 19.1 57.1#
148 0.0 31.4 94.3#



#91
1,2-Dichlorobenzene
Concen: 0.224 ug/l
RT: 13.857 min Scan# 2035
Delta R.T. -0.005 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

Tgt Ion:146 Resp: 3508
Ion Ratio Lower Upper
146 100
111 49.7 20.9 62.8
148 57.5 32.1 96.3

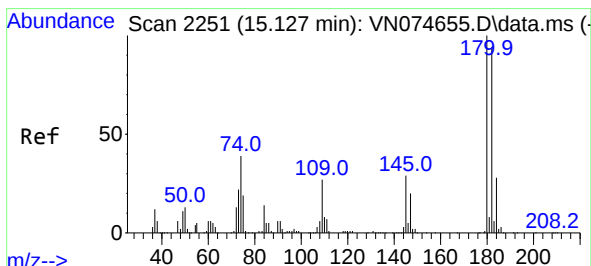
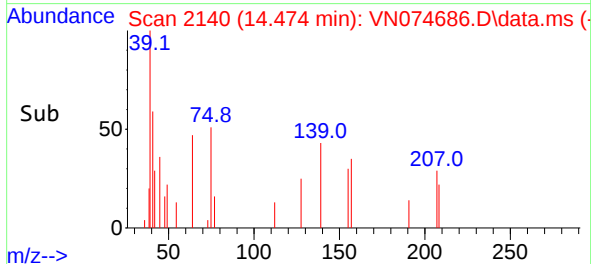
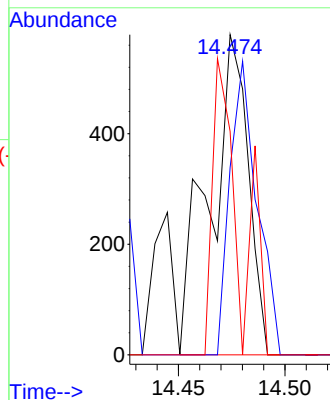
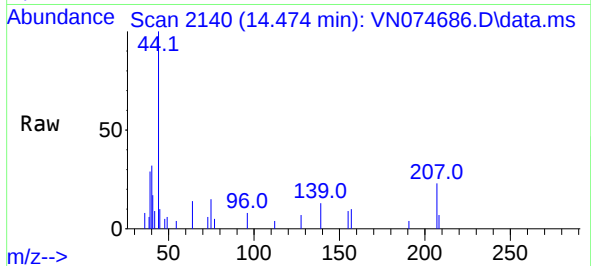




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.246 ug/l
RT: 14.474 min Scan# 2140
Delta R.T. 0.000 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

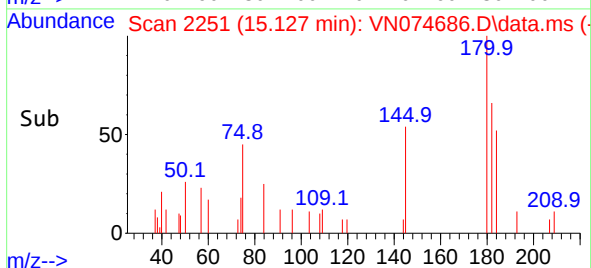
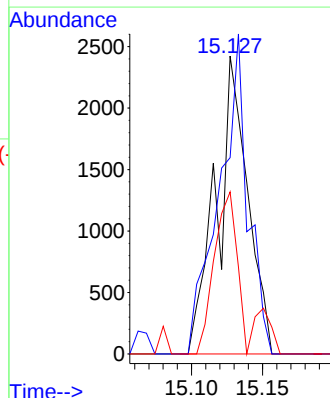
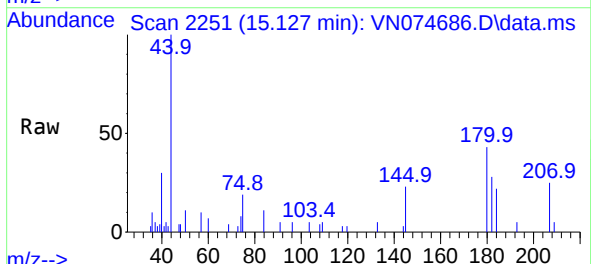
Instrument :
MSVOA_N
ClientSampleId :

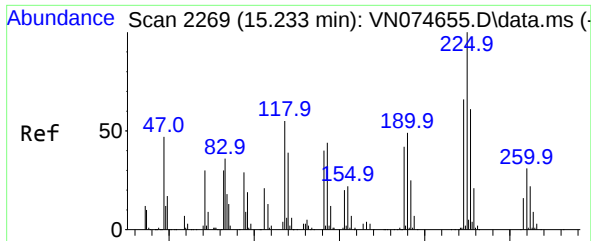
Tgt Ion: 75 Resp: 728
Ion Ratio Lower Upper
75 100
155 64.8 44.9 134.5
157 63.9 59.0 176.8



#93
1,2,4-Trichlorobenzene
Concen: 0.527 ug/l
RT: 15.127 min Scan# 2251
Delta R.T. 0.000 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

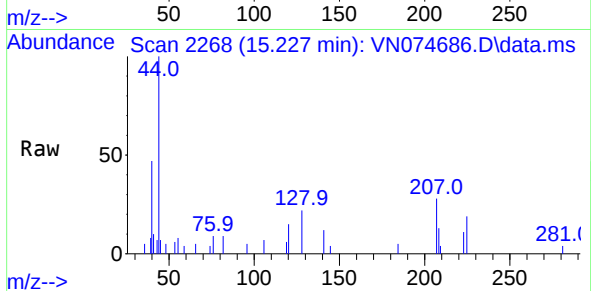
Tgt Ion: 180 Resp: 3680
Ion Ratio Lower Upper
180 100
182 99.3 47.5 142.5
145 39.9 14.5 43.5



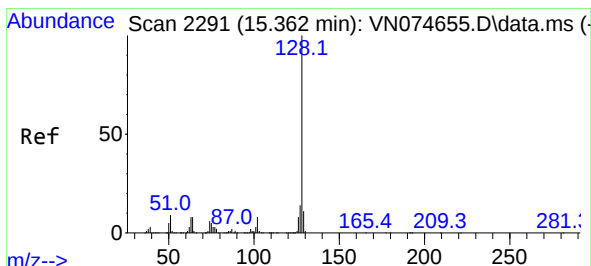
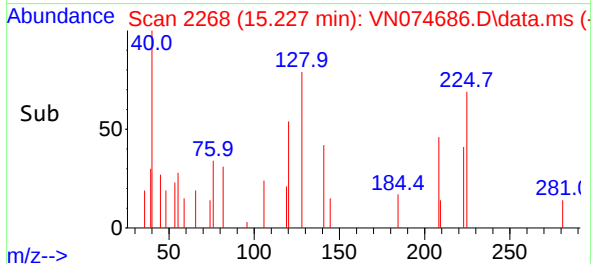
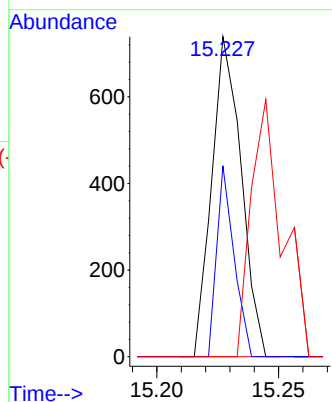


#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.227 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

Instrument :
MSVOA_N
ClientSampleId :

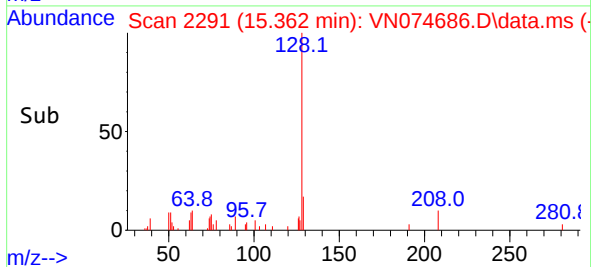
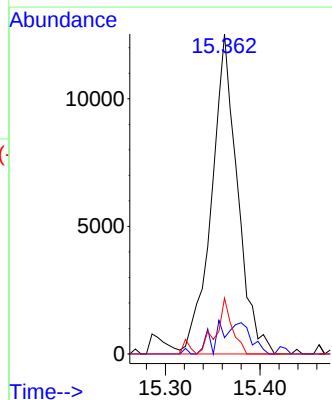
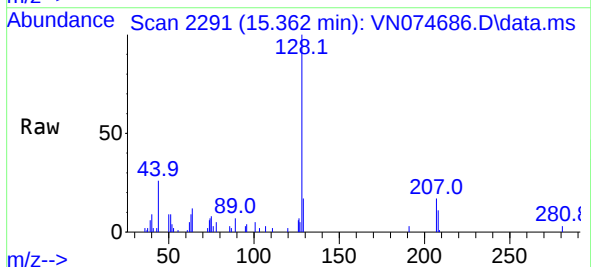


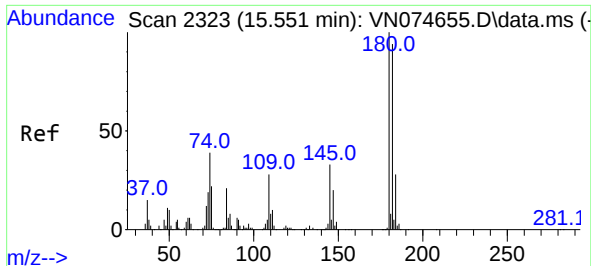
Tgt Ion:	225	Resp:	622
Ion	Ratio	Lower	Upper
225	100		
223	34.9	32.4	97.2
227	85.9	31.8	95.4



#95
Naphthalene
Concen: 0.872 ug/l
RT: 15.362 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VN074686.D
Acq: 01 Oct 2022 03:35

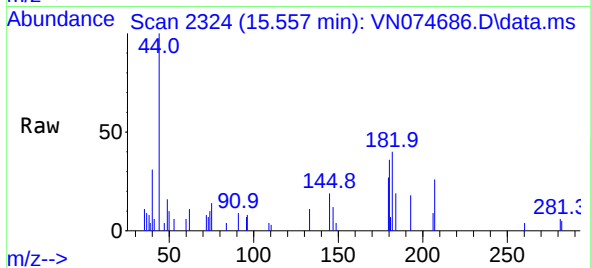
Tgt Ion:	128	Resp:	23849
Ion	Ratio	Lower	Upper
128	100		
127	10.8	10.3	15.5
129	10.4	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.848 ug/l
 RT: 15.557 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: VN074686.D
 Acq: 01 Oct 2022 03:35

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 5899
 Ion Ratio Lower Upper
 180 100
 182 45.5 47.8 143.3#
 145 0.0 15.5 46.5#

