

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074662.D
 Acq On : 30 Sep 2022 12:56
 Operator : JC\MD
 Sample : VN0930WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBL01

Quant Time: Oct 03 02:05:01 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)

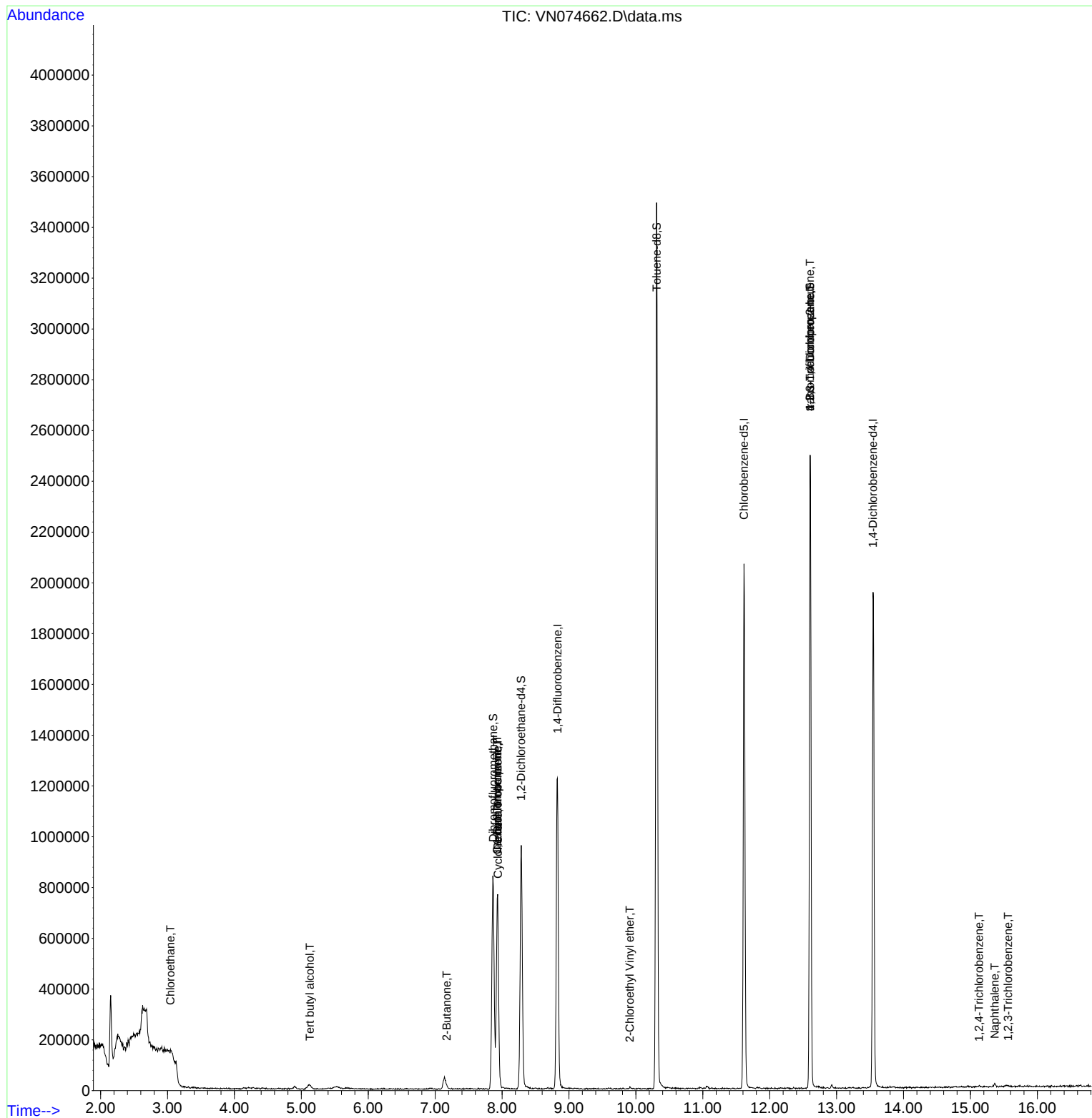
Internal Standards						
1) Pentafluorobenzene	7.934	168	546276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	1062428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	1071677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.545	152	480819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	711978	52.004	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.000%			
35) Dibromofluoromethane	7.869	113	583692	51.905	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.820%			
50) Toluene-d8	10.310	98	2275399	48.104	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.200%			
62) 4-Bromofluorobenzene	12.604	95	766744	51.121	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.240%			
Target Compounds						
					Qvalue	
6) Chloroethane	3.046	64	68729	3.681	ug/l #	52
8) Diethyl Ether	3.604	74	104	Below Cal	#	1
11) Tert butyl alcohol	5.128	59	16470	4.505	ug/l #	74
13) Acrolein	3.887	56	255	Below Cal	#	1
16) Acetone	4.140	43	2133	Below Cal	#	67
20) Methylene Chloride	4.893	84	5943	Below Cal	#	85
25) 2-Butanone	7.175	43	10040	0.797	ug/l #	75
31) Cyclohexane	7.939	56	17862	0.803	ug/l #	76
36) 1,1-Dichloropropene	7.928	75	54087	3.003	ug/l #	45
38) Carbon Tetrachloride	7.928	117	56073	3.399	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.910	63	2327	0.245	ug/l	95
74) N-amyl acetate	12.263	43	539	Below Cal	#	55
75) 1,1,2,2-Tetrachloroethane	12.716	83	502	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.604	75	444981	40.986	ug/l #	1
77) Bromobenzene	12.727	156	165	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.604	75	444981	77.338	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.127	180	2127	0.261	ug/l #	69
94) Hexachlorobutadiene	15.221	225	164	Below Cal	#	47
95) Naphthalene	15.362	128	10284	0.322	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.562	180	1980	0.244	ug/l	97

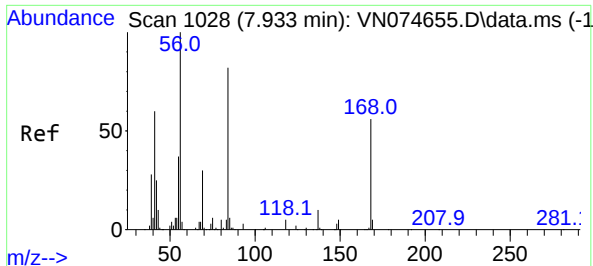
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 03 02:05:01 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: 7.934 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN074662.D

Acq: 30 Sep 2022 12:56

Instrument :

MSVOA_N

ClientSampleId :

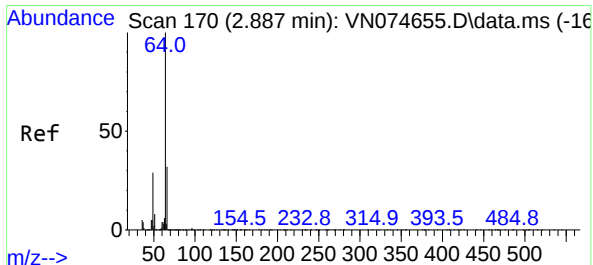
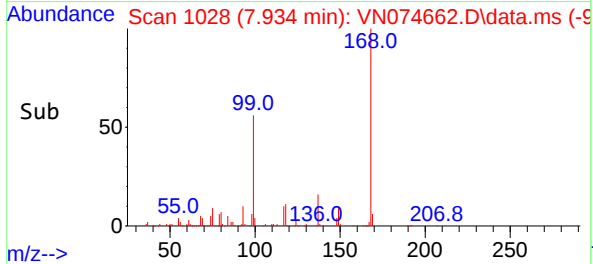
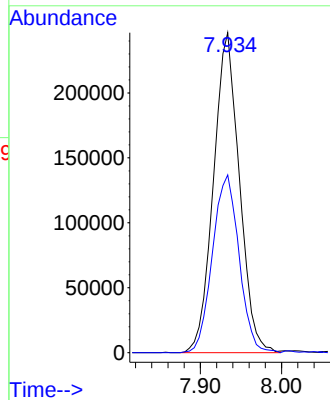
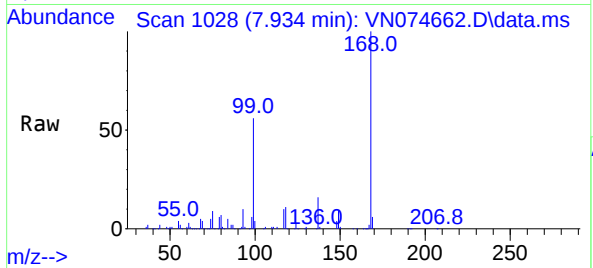
VN0930WBL01

Tgt Ion:168 Resp: 546276

Ion Ratio Lower Upper

168 100

99 55.6 42.3 63.5



#6

Chloroethane

Concen: 3.681 ug/l

RT: 3.046 min Scan# 197

Delta R.T. 0.159 min

Lab File: VN074662.D

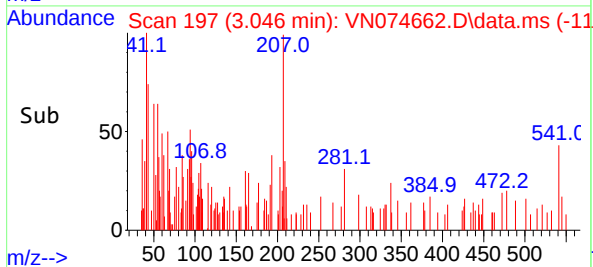
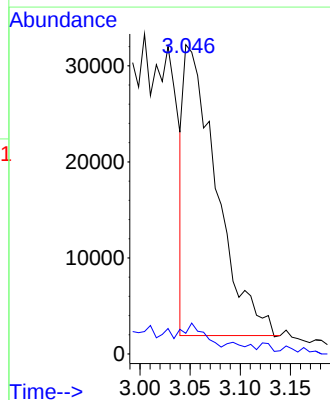
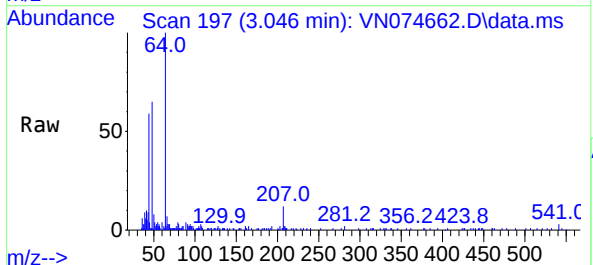
Acq: 30 Sep 2022 12:56

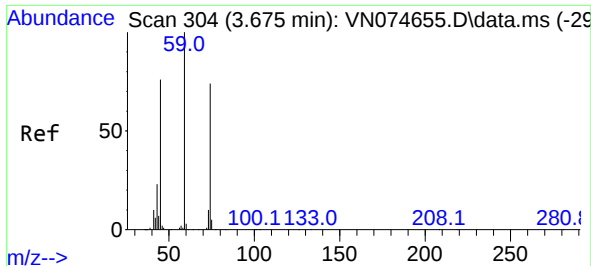
Tgt Ion: 64 Resp: 68729

Ion Ratio Lower Upper

64 100

66 6.0 26.2 39.4#

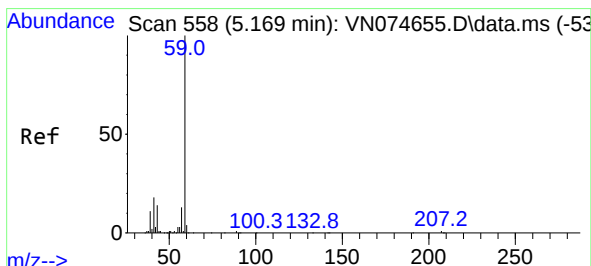
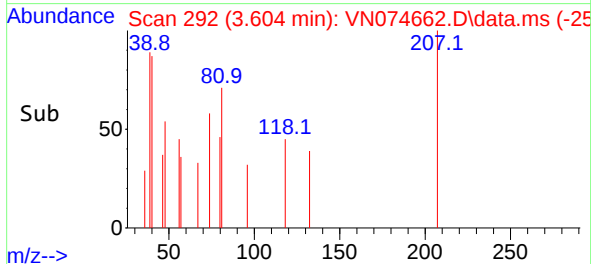
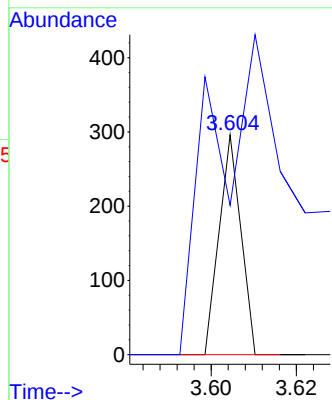
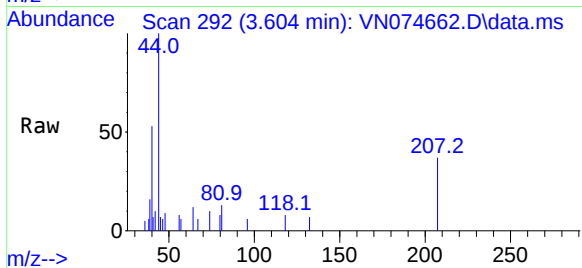




#8
Diethyl Ether
Concen: Below Cal
RT: 3.604 min Scan# 292
Delta R.T. -0.071 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

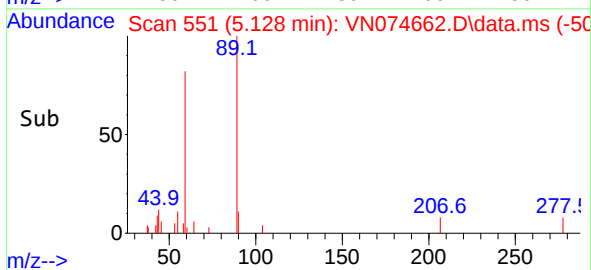
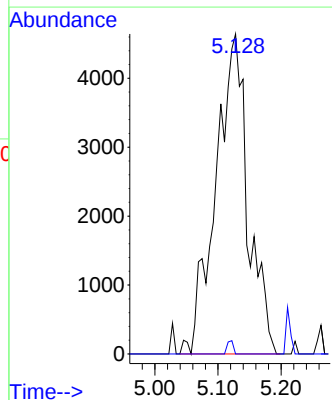
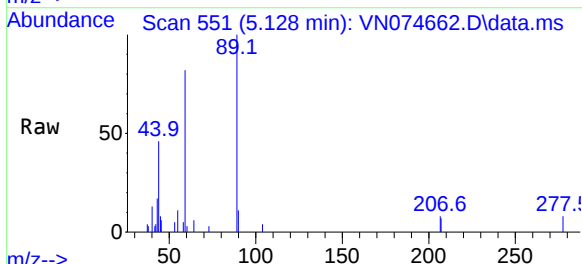
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL01

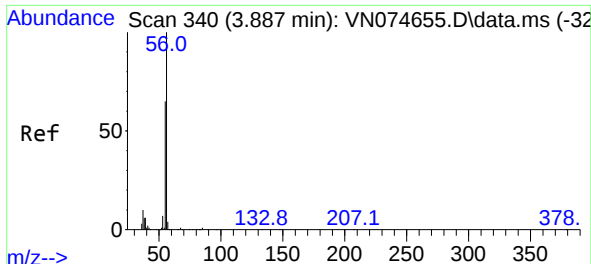
Tgt Ion: 74 Resp: 104
Ion Ratio Lower Upper
74 100
45 614.4 42.9 128.5#



#11
Tert butyl alcohol
Concen: 4.505 ug/l
RT: 5.128 min Scan# 551
Delta R.T. -0.041 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

Tgt Ion: 59 Resp: 16470
Ion Ratio Lower Upper
59 100
57 0.8 8.3 12.5#

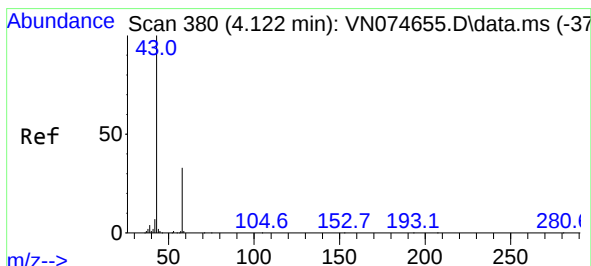
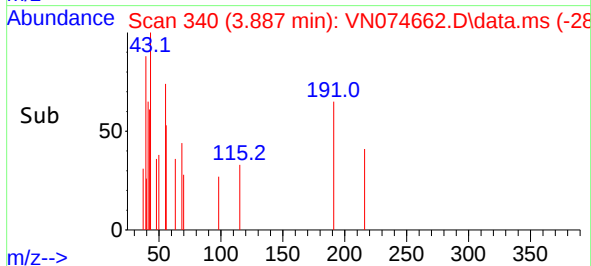
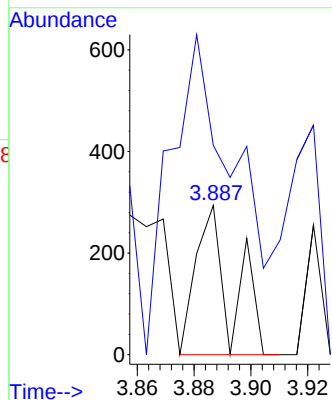
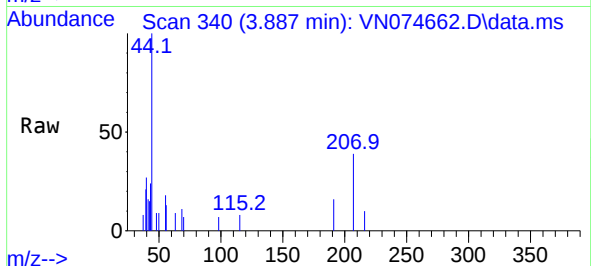




#13
Acrolein
Concen: Below Cal
RT: 3.887 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

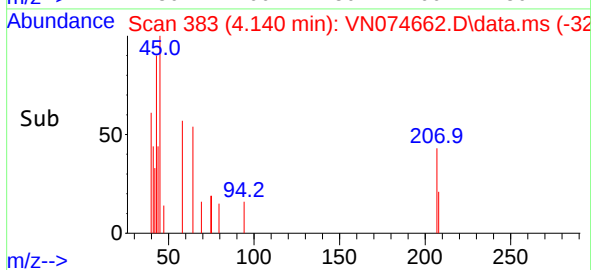
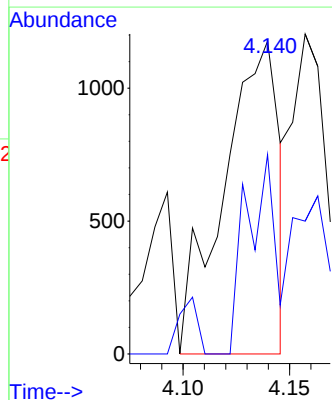
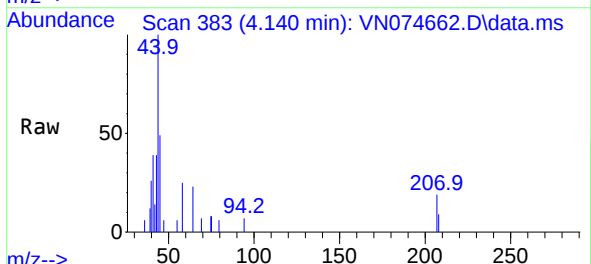
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL01

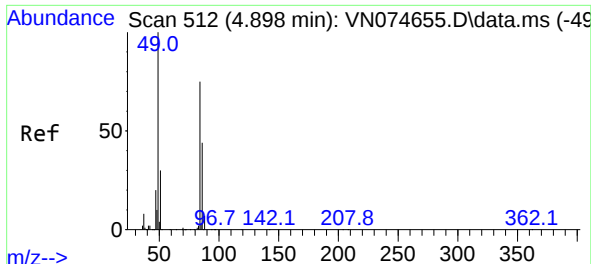
Tgt Ion: 56 Resp: 255
Ion Ratio Lower Upper
56 100
55 384.7 54.8 82.2#



#16
Acetone
Concen: Below Cal
RT: 4.140 min Scan# 383
Delta R.T. 0.018 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

Tgt Ion: 43 Resp: 2133
Ion Ratio Lower Upper
43 100
58 51.0 26.0 39.0#

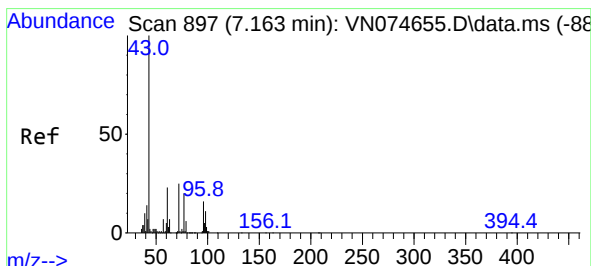
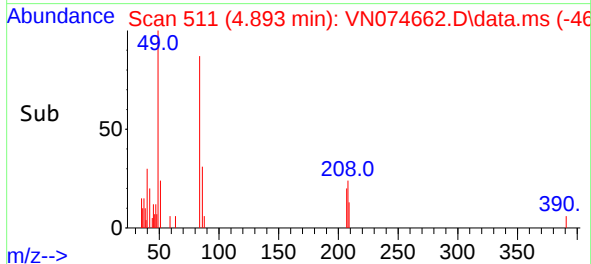
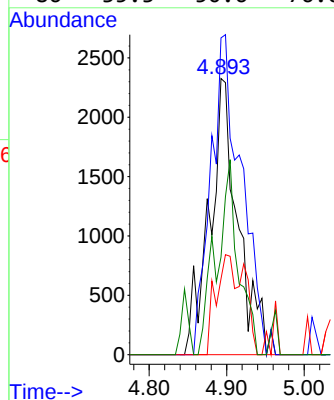
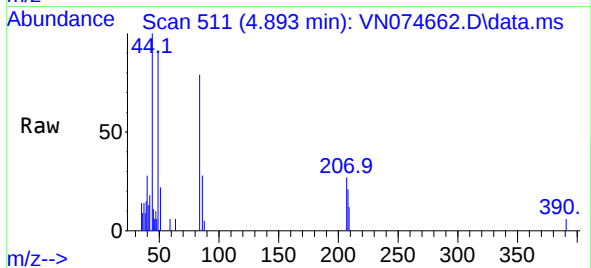




#20
Methylene Chloride
Concen: Below Cal
RT: 4.893 min Scan# 511
Delta R.T. -0.005 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

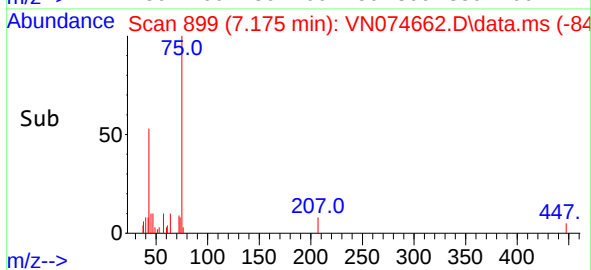
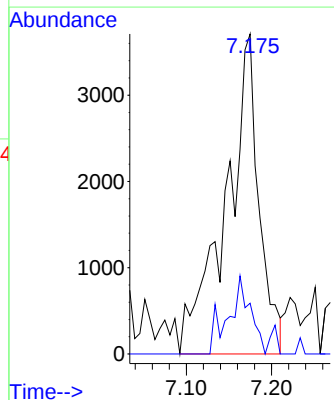
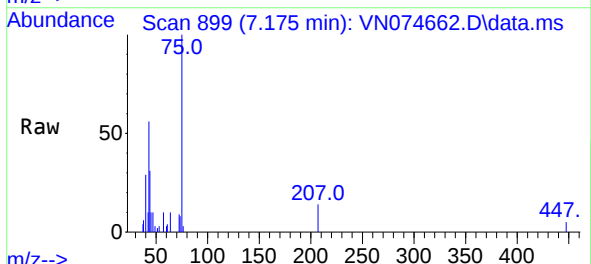
Instrument :
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ClientSampleId :
VN0930WBL01

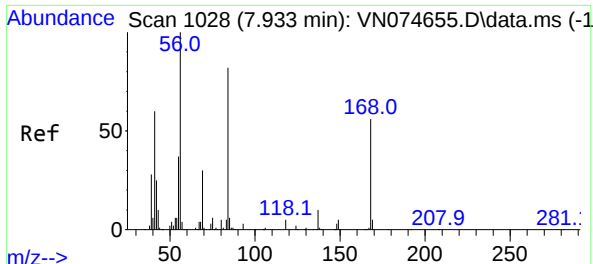
Tgt Ion: 84 Resp: 5943
Ion Ratio Lower Upper
84 100
49 114.7 88.3 132.5
51 27.5 28.2 42.2#
86 35.3 50.6 76.0#



#25
2-Butanone
Concen: 0.797 ug/l
RT: 7.175 min Scan# 899
Delta R.T. 0.012 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

Tgt Ion: 43 Resp: 10040
Ion Ratio Lower Upper
43 100
72 15.9 23.7 35.5#

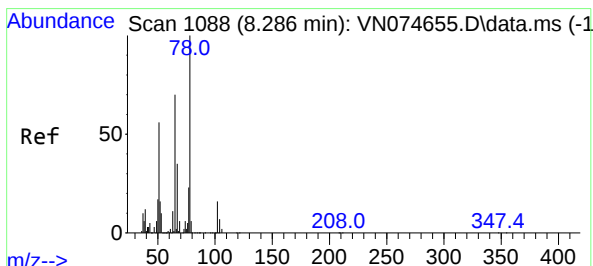
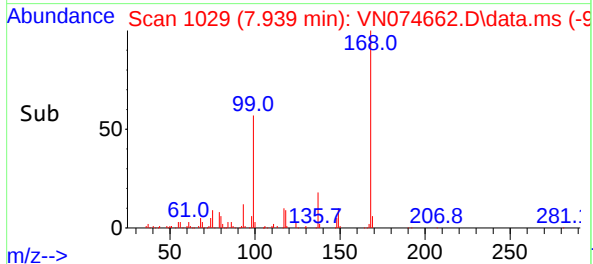
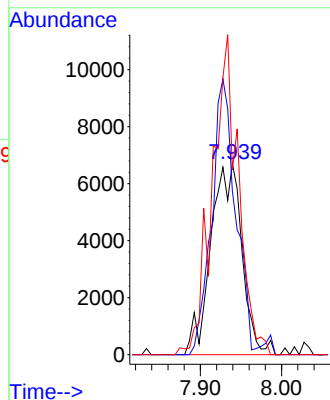
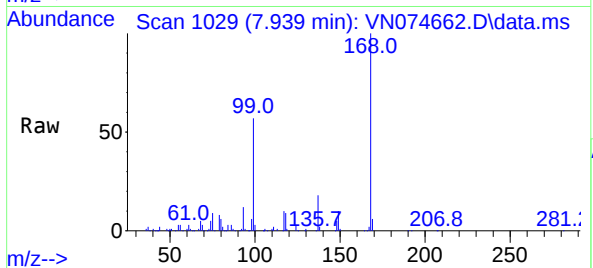




#31
Cyclohexane
Concen: 0.803 ug/l
RT: 7.939 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

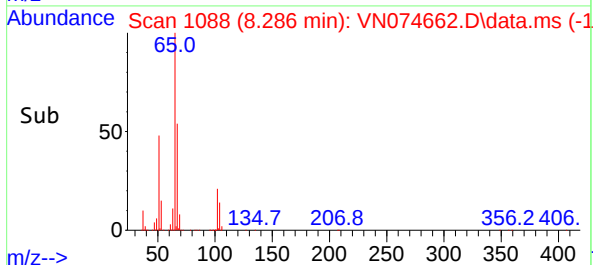
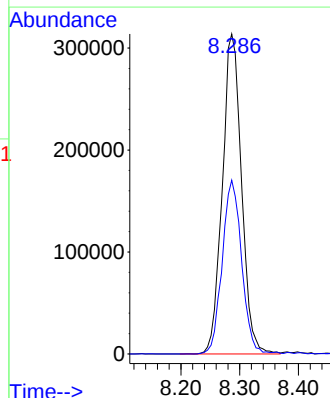
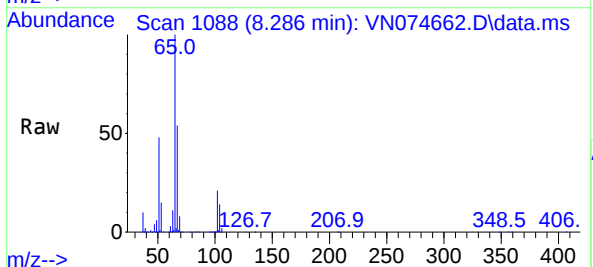
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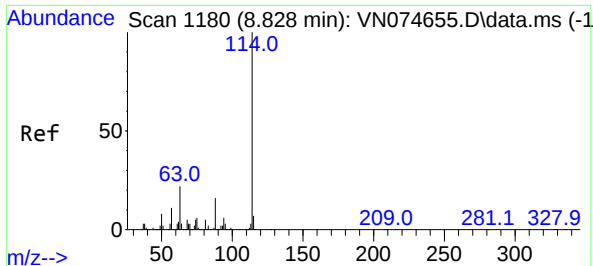
Tgt Ion: 56 Resp: 17862
Ion Ratio Lower Upper
56 100
69 85.6 27.8 41.8#
84 96.6 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 52.004 ug/l
RT: 8.286 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

Tgt Ion: 65 Resp: 711978
Ion Ratio Lower Upper
65 100
67 55.0 0.0 104.8

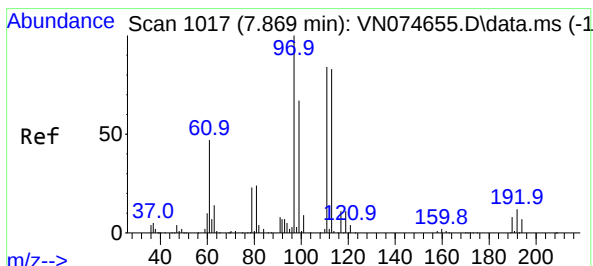
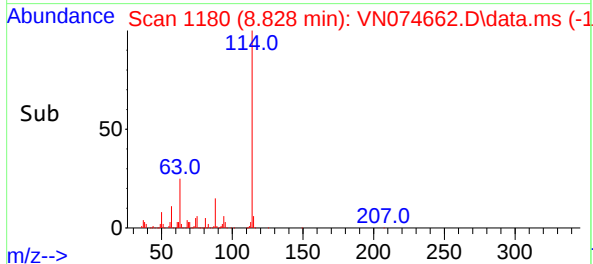
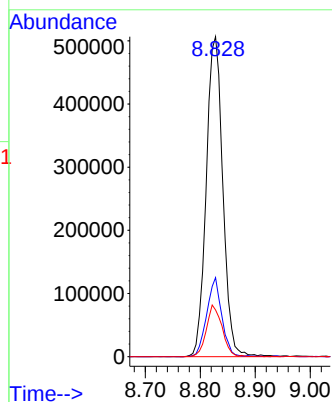
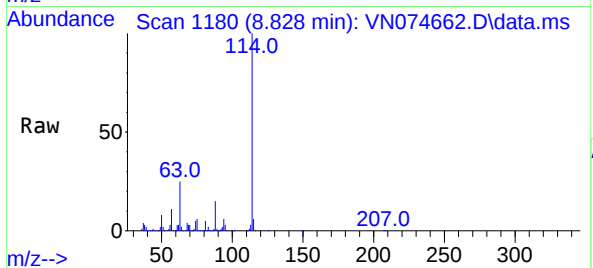




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.828 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

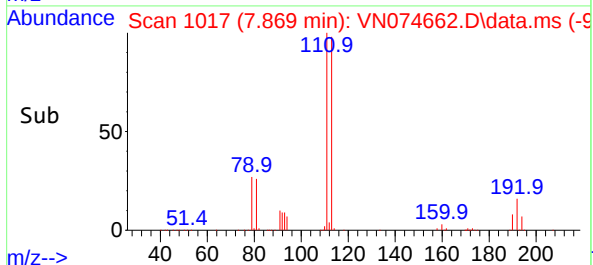
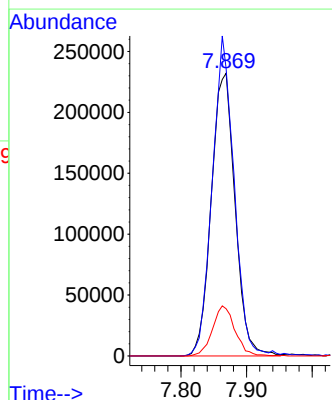
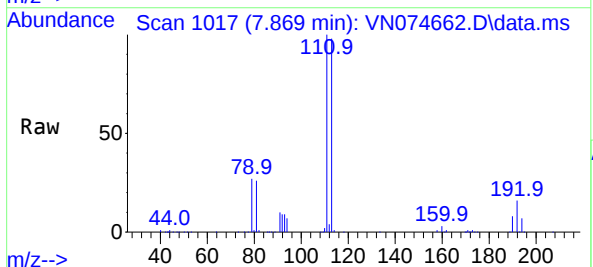
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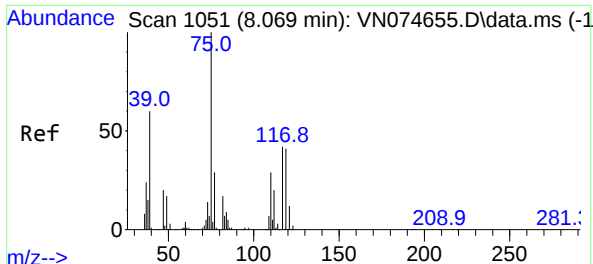
Tgt Ion:114 Resp: 1062428
Ion Ratio Lower Upper
114 100
63 24.7 0.0 40.0
88 14.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.905 ug/l
RT: 7.869 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

Tgt Ion:113 Resp: 583692
Ion Ratio Lower Upper
113 100
111 104.4 81.4 122.0
192 16.8 17.0 25.6#

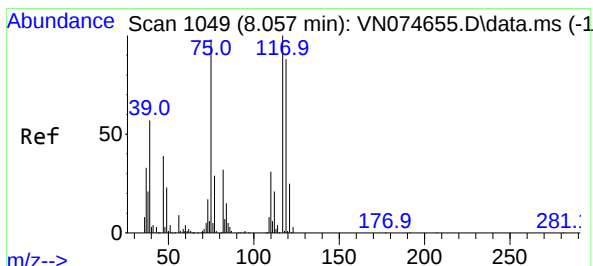
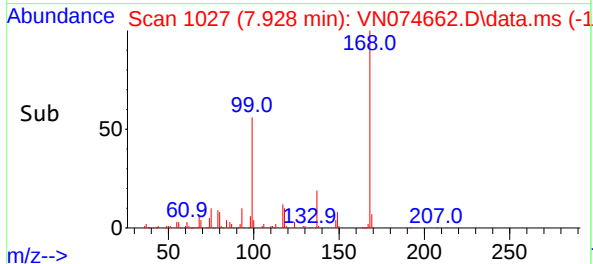
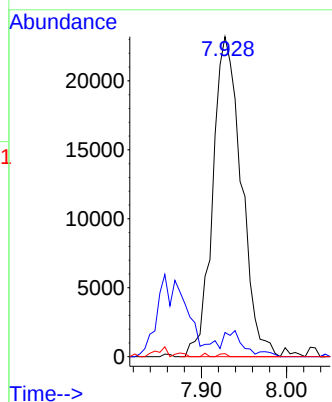
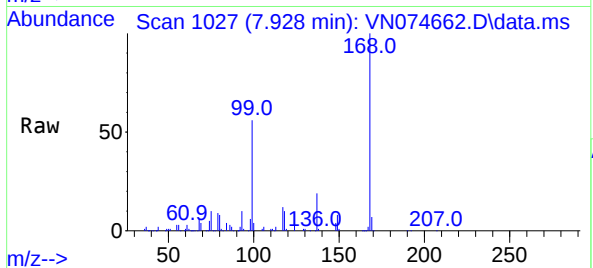




#36
1,1-Dichloropropene
Concen: 3.003 ug/l
RT: 7.928 min Scan# 1027
Delta R.T. -0.141 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

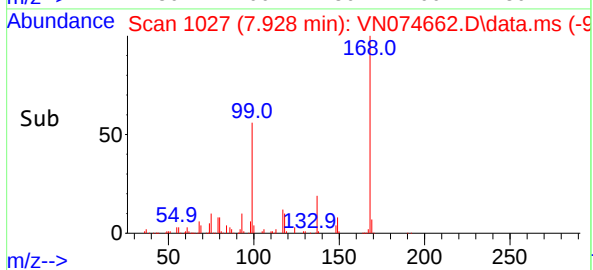
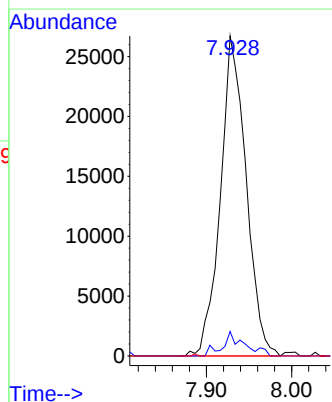
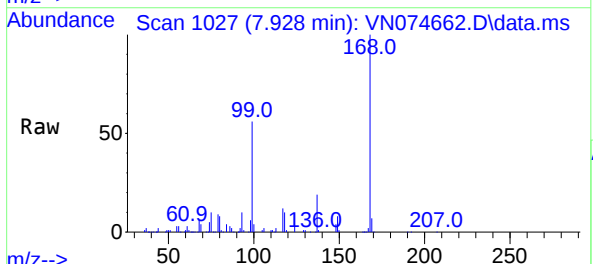
Instrument :
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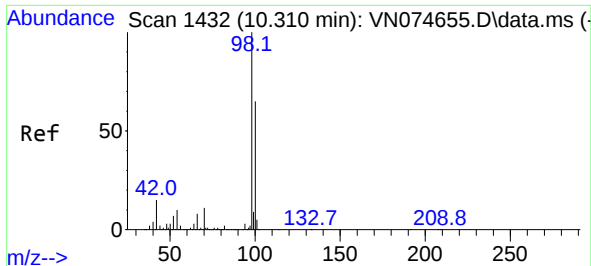
Tgt Ion: 75 Resp: 54087
Ion Ratio Lower Upper
75 100
110 4.1 18.3 54.8#
77 0.3 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 3.399 ug/l
RT: 7.928 min Scan# 1027
Delta R.T. -0.129 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

Tgt Ion: 117 Resp: 56073
Ion Ratio Lower Upper
117 100
119 7.7 75.8 113.8#
121 0.0 24.6 37.0#

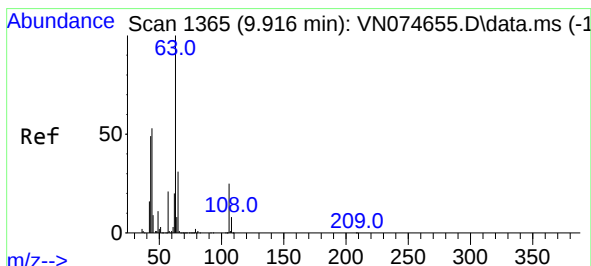
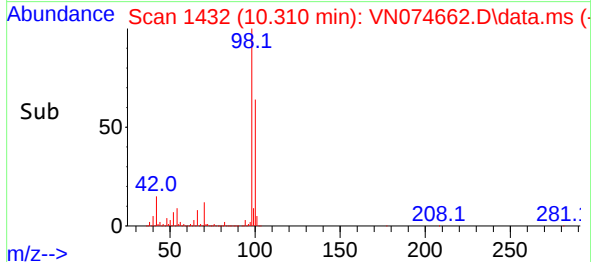
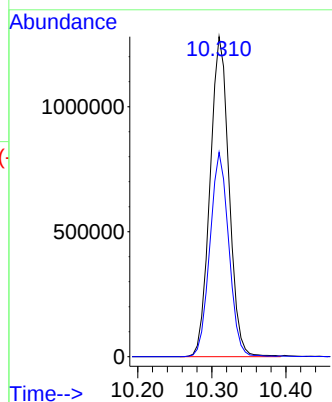
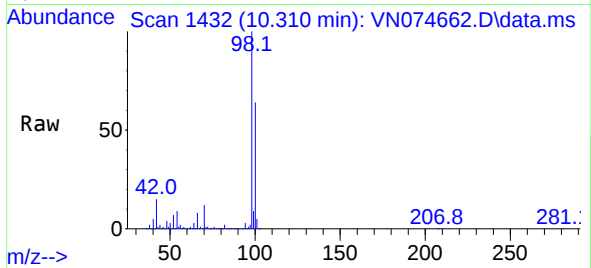




#50
Toluene-d8
Concen: 48.104 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

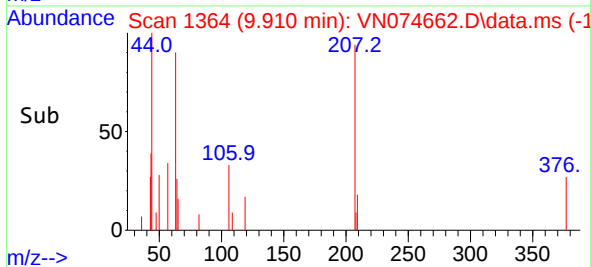
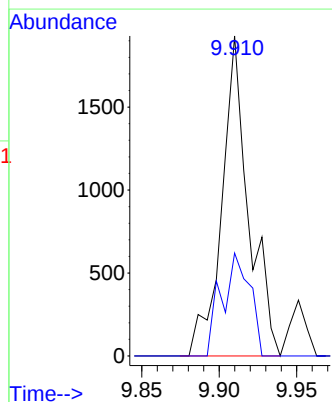
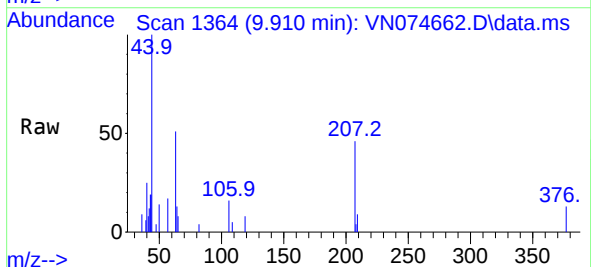
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL01

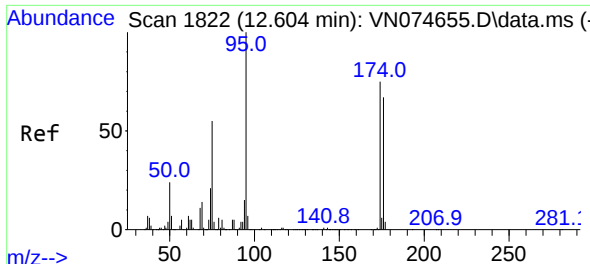
Tgt Ion: 98 Resp: 2275399
Ion Ratio Lower Upper
98 100
100 63.5 52.6 78.8



#58
2-Chloroethyl Vinyl ether
Concen: 0.245 ug/l
RT: 9.910 min Scan# 1364
Delta R.T. -0.006 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

Tgt Ion: 63 Resp: 2327
Ion Ratio Lower Upper
63 100
106 33.5 24.6 36.8

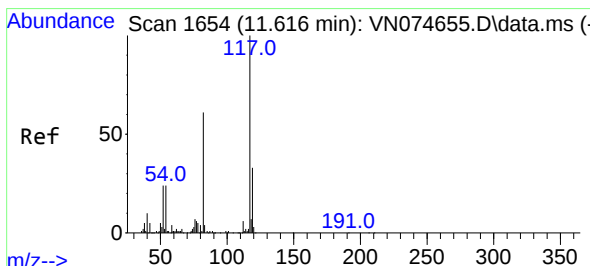
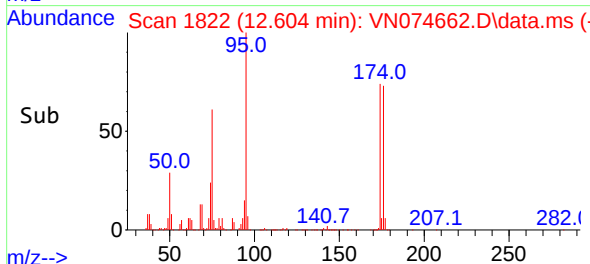
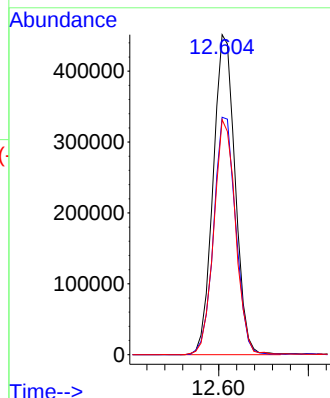
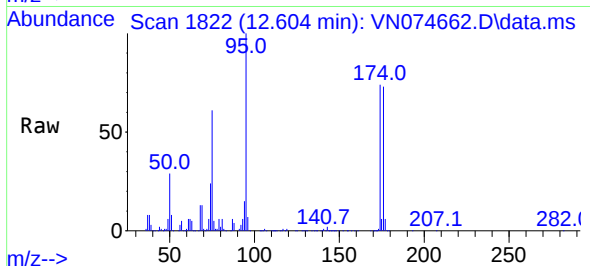




#62
4-Bromofluorobenzene
Concen: 51.121 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

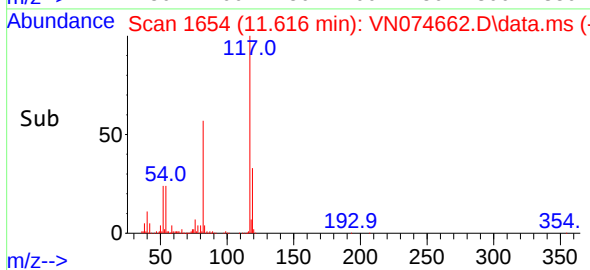
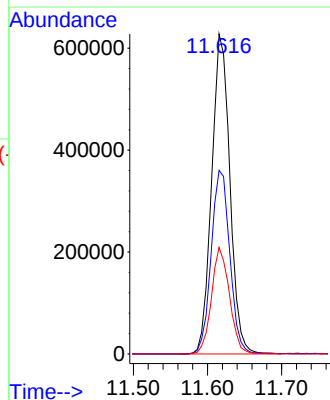
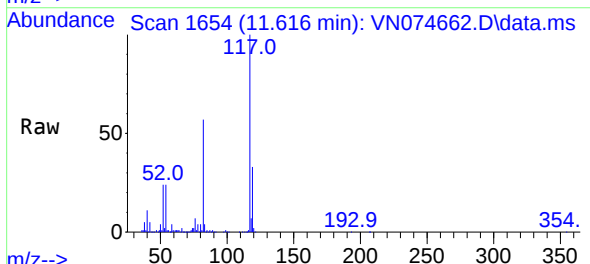
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL01

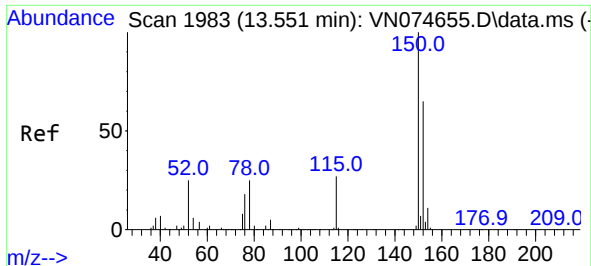
Tgt Ion: 95 Resp: 766744
Ion Ratio Lower Upper
95 100
174 74.3 0.0 167.6
176 72.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.616 min Scan# 1654
Delta R.T. -0.000 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

Tgt Ion: 117 Resp: 1071677
Ion Ratio Lower Upper
117 100
82 57.3 44.2 66.2
119 33.3 25.4 38.0

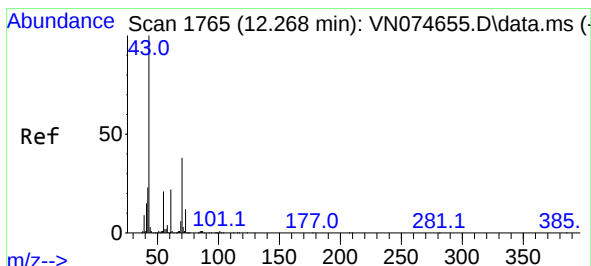
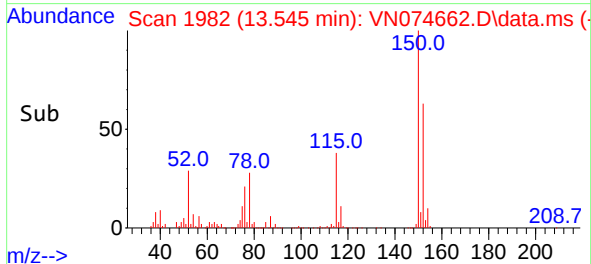
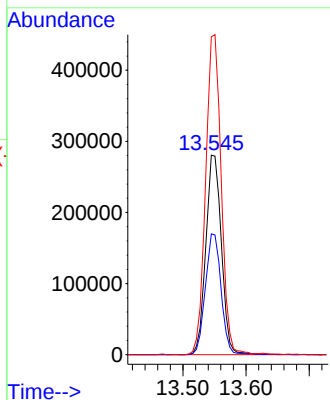
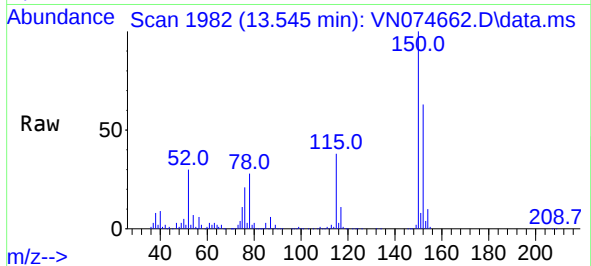




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.545 min Scan# 1982
Delta R.T. -0.006 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

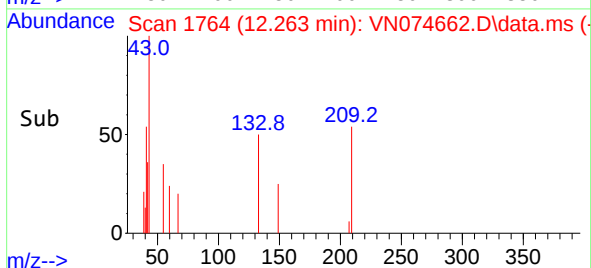
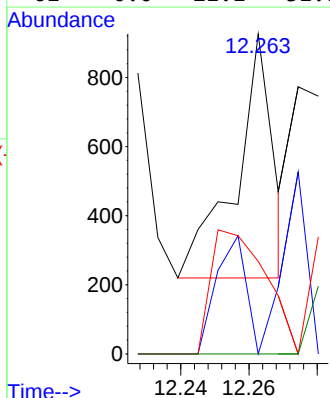
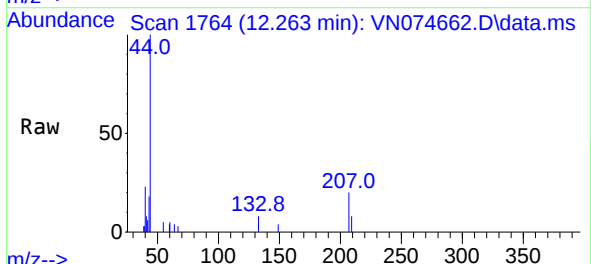
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL01

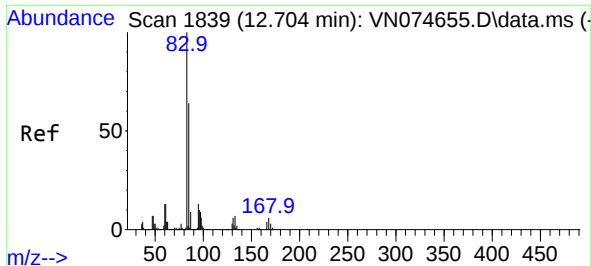
Tgt Ion:152 Resp: 480819
Ion Ratio Lower Upper
152 100
115 61.0 28.9 86.7
150 160.0 0.0 356.2



#74
N-ethyl acetate
Concen: Below Cal
RT: 12.263 min Scan# 1764
Delta R.T. -0.005 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

Tgt Ion: 43 Resp: 539
Ion Ratio Lower Upper
43 100
70 38.2 39.0 58.4#
55 74.6 21.1 31.7#
61 0.0 21.1 31.7#

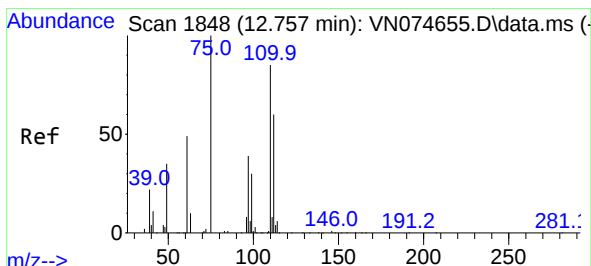
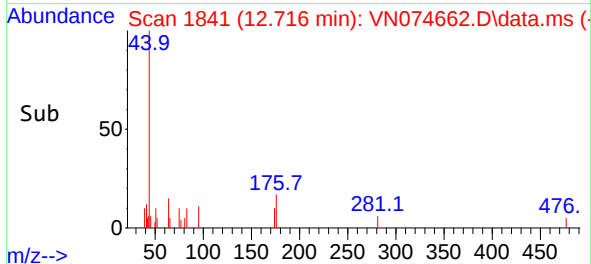
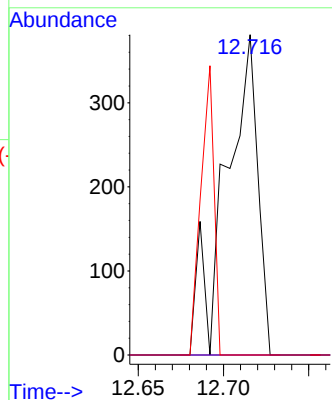
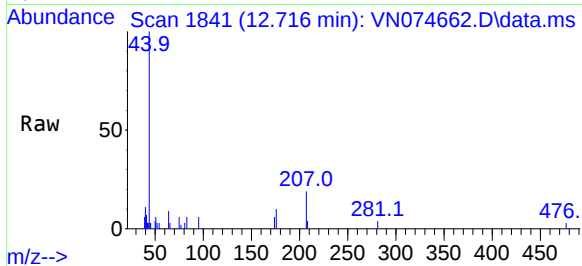




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.716 min Scan# 1821
Delta R.T. 0.012 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

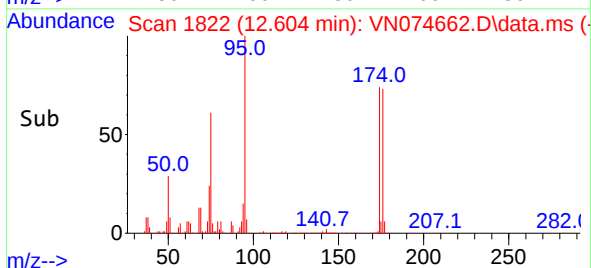
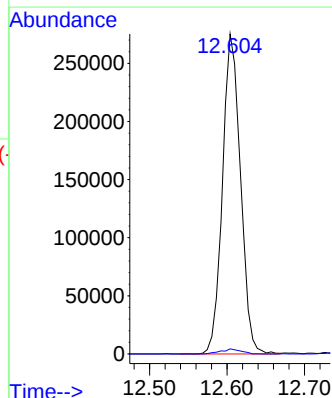
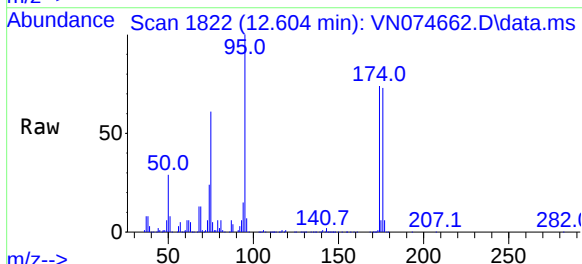
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL01

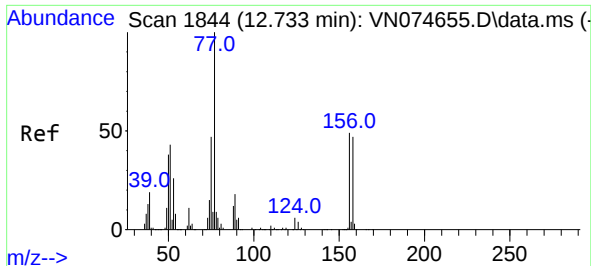
Tgt Ion: 83 Resp: 502
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 40.986 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.153 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

Tgt Ion: 75 Resp: 444981
Ion Ratio Lower Upper
75 100
77 1.7 98.5 295.5#

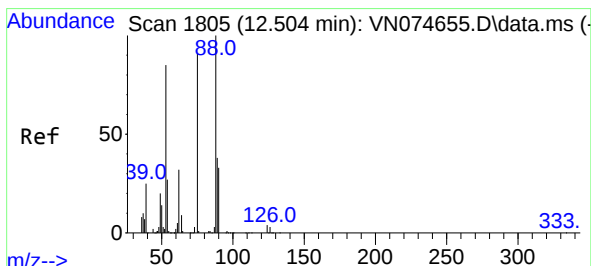
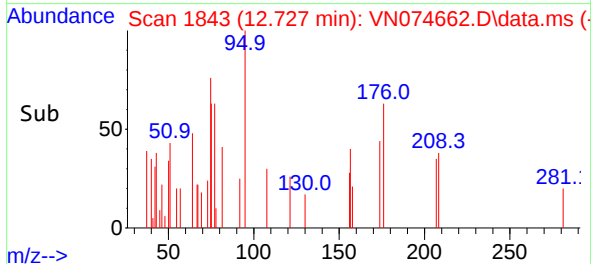
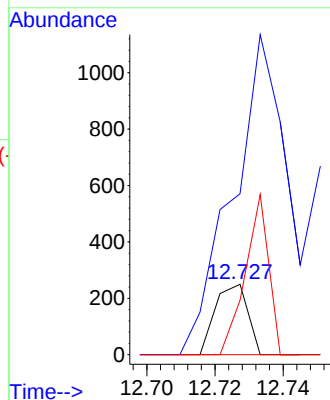
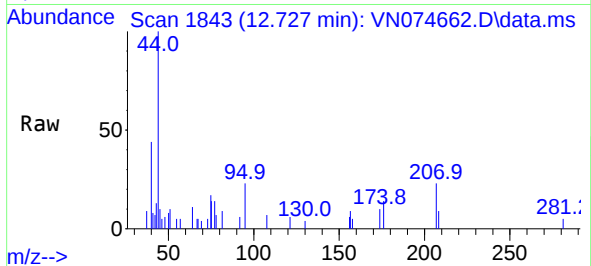




#77
Bromobenzene
Concen: Below Cal
RT: 12.727 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

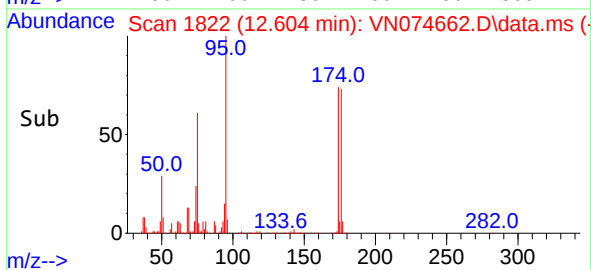
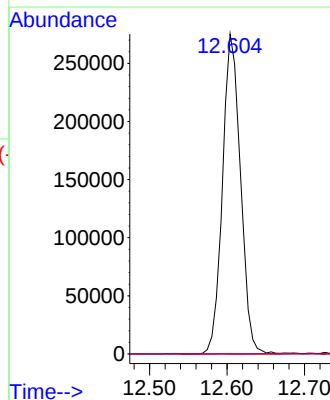
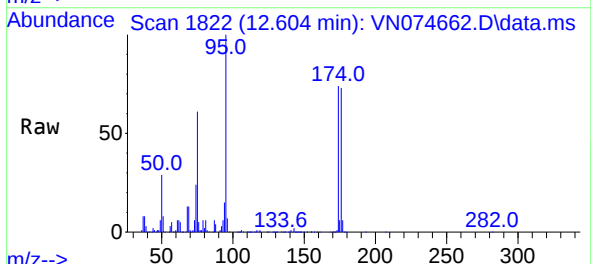
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL01

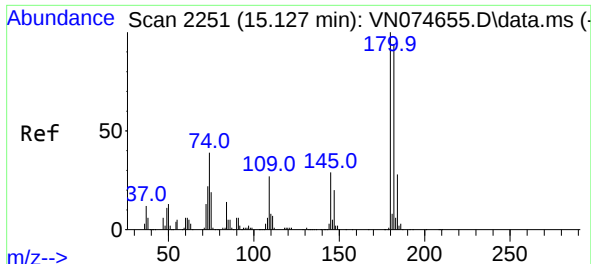
Tgt Ion:156 Resp: 165
Ion Ratio Lower Upper
156 100
77 929.1 100.5 301.5#
158 163.0 48.9 146.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.338 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.100 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

Tgt Ion: 75 Resp: 444981
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

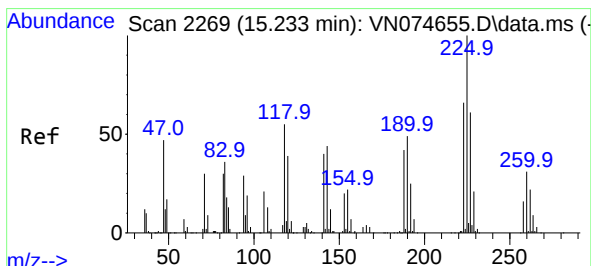
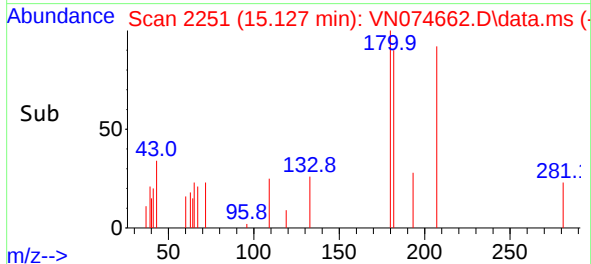
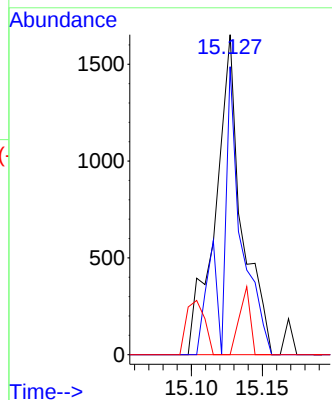
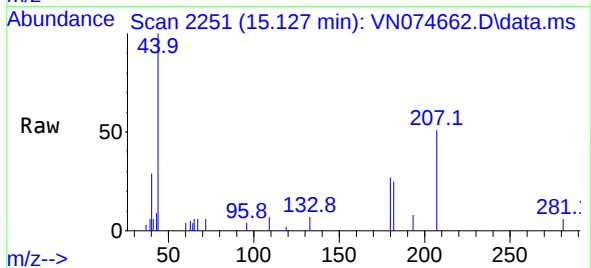




#93
1,2,4-Trichlorobenzene
Concen: 0.261 ug/l
RT: 15.127 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

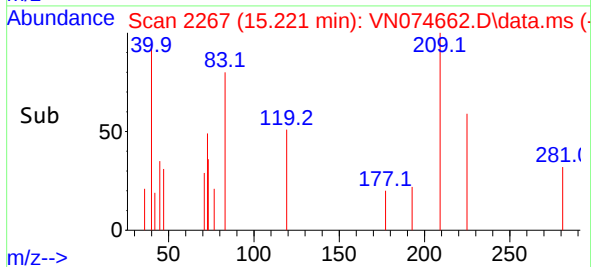
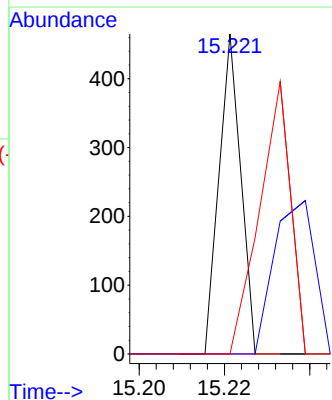
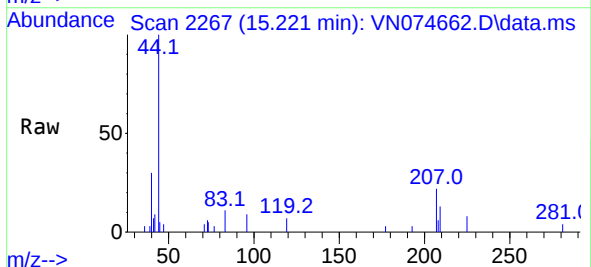
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL01

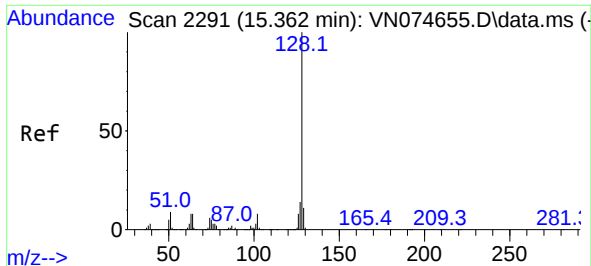
Tgt Ion:180 Resp: 2127
Ion Ratio Lower Upper
180 100
182 66.3 47.5 142.5
145 8.8 14.5 43.5#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.221 min Scan# 2267
Delta R.T. -0.012 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

Tgt Ion:225 Resp: 164
Ion Ratio Lower Upper
225 100
223 89.6 32.4 97.2
227 121.3 31.8 95.4#

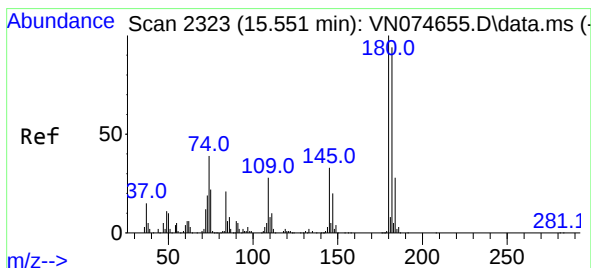
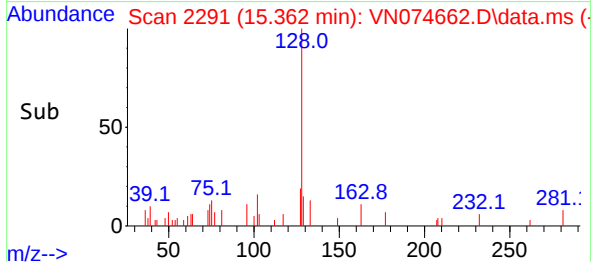
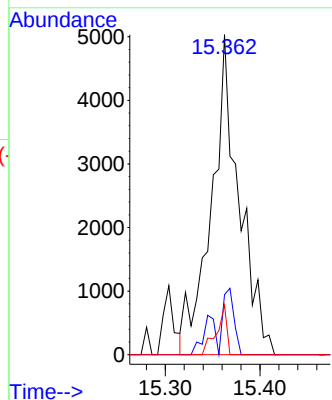
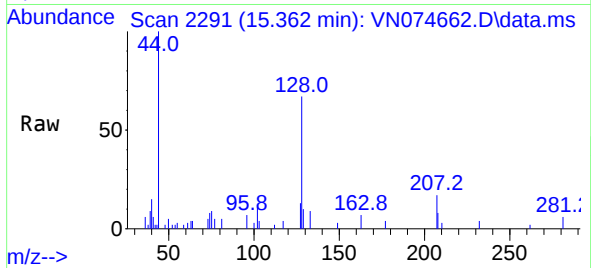




#95
Naphthalene
Concen: 0.322 ug/l
RT: 15.362 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	5.7	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.244 ug/l
RT: 15.562 min Scan# 2325
Delta R.T. 0.011 min
Lab File: VN074662.D
Acq: 30 Sep 2022 12:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.8	143.3
145	27.5	15.5	46.5

