

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100522\
 Data File : VN074745.D
 Acq On : 05 Oct 2022 18:24
 Operator : JC\MD
 Sample : VN1005WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBL01

Quant Time: Oct 06 07:39:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

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

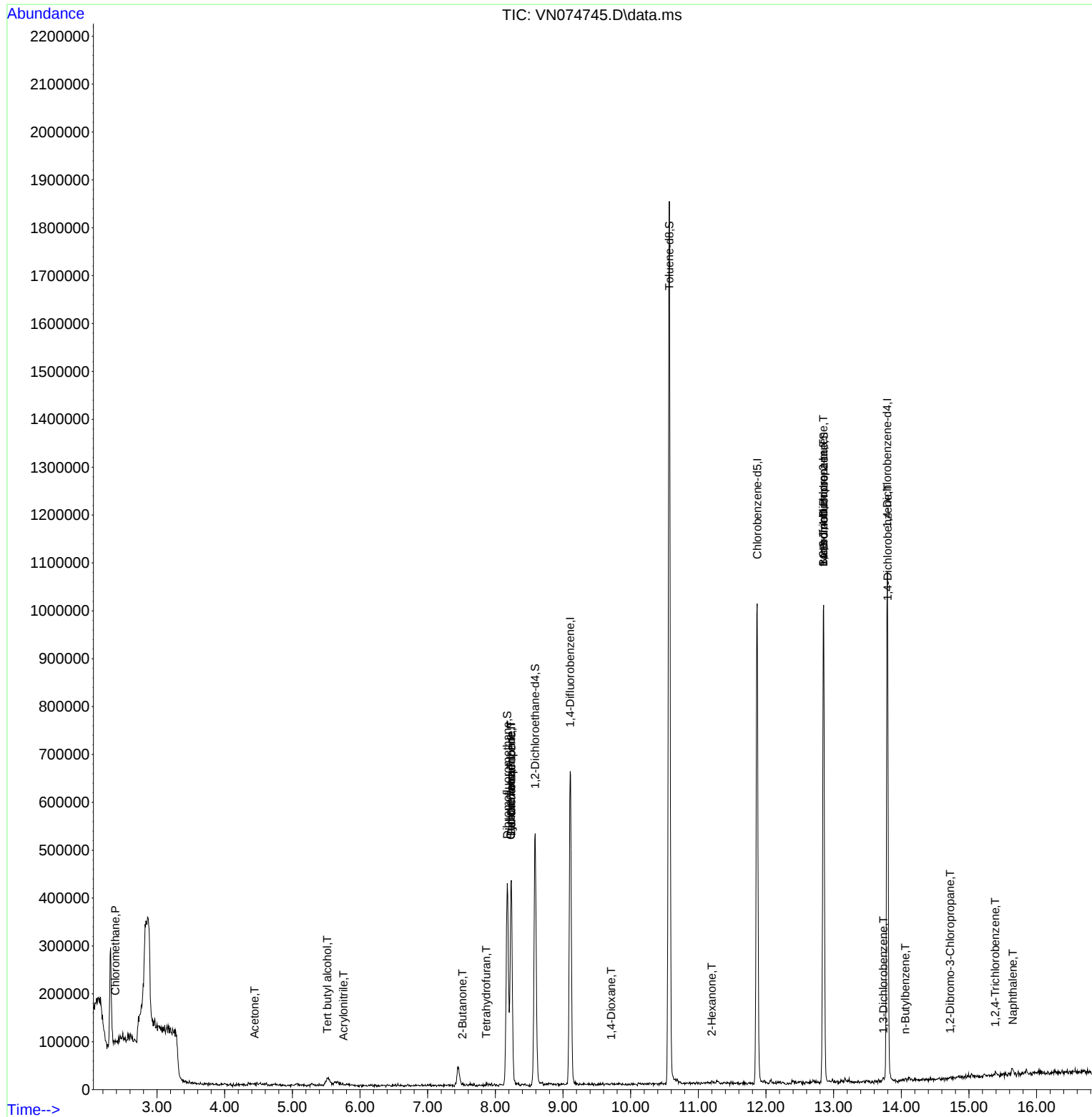
Internal Standards						
1) Pentafluorobenzene	8.235	168	305210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	578343	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	572874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	271828	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	386993	53.513	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.020%			
35) Dibromofluoromethane	8.177	113	306541	52.460	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.920%			
50) Toluene-d8	10.571	98	1259900	50.249	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.500%			
62) 4-Bromofluorobenzene	12.853	95	328309	43.075	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.140%			
Target Compounds					Qvalue	
3) Chloromethane	2.383	50	2472	0.266	ug/l	95
11) Tert butyl alcohol	5.518	59	8585	3.545	ug/l #	83
13) Acrolein	4.206	56	835	Below Cal	#	35
15) Acrylonitrile	5.753	53	1190	0.225	ug/l #	29
16) Acetone	4.442	43	890	0.217	ug/l #	44
20) Methylene Chloride	5.289	84	1525	Below Cal	#	52
25) 2-Butanone	7.512	43	1522	0.205	ug/l #	48
29) Tetrahydrofuran	7.865	42	2106	0.406	ug/l #	89
31) Cyclohexane	8.230	56	10144	0.812	ug/l #	50
36) 1,1-Dichloropropene	8.235	75	27684	2.927	ug/l #	43
38) Carbon Tetrachloride	8.230	117	33041	3.704	ug/l #	17
49) 1,4-Dioxane	9.712	88	107	0.513	ug/l #	1
59) 2-Hexanone	11.200	43	4178	0.366	ug/l	87
71) Bromoform	12.847	173	3130	0.640	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.947	83	1115	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.847	75	189284	23.330	ug/l #	1
77) Bromobenzene	12.976	156	139	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.847	75	189284	45.455	ug/l #	14
87) 1,3-Dichlorobenzene	13.735	146	2240	0.216	ug/l	74
88) 1,4-Dichlorobenzene	13.800	146	2687	0.274	ug/l #	1
89) n-Butylbenzene	14.059	91	4041	0.227	ug/l	84
92) 1,2-Dibromo-3-Chloropr...	14.723	75	447	0.206	ug/l #	3
93) 1,2,4-Trichlorobenzene	15.388	180	1306	0.299	ug/l #	18
95) Naphthalene	15.647	128	12468	0.660	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.835	180	1181	Below Cal	#	12

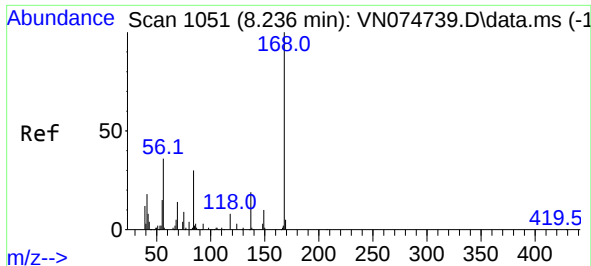
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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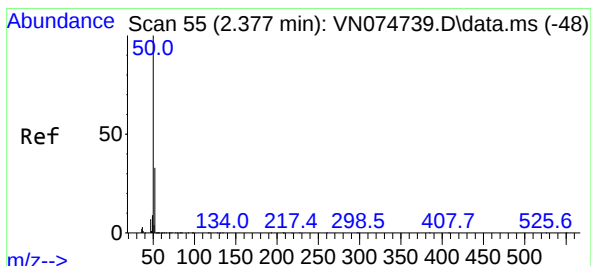
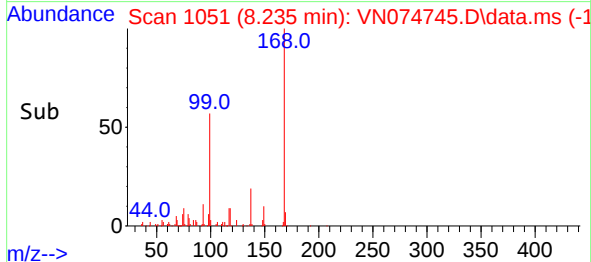
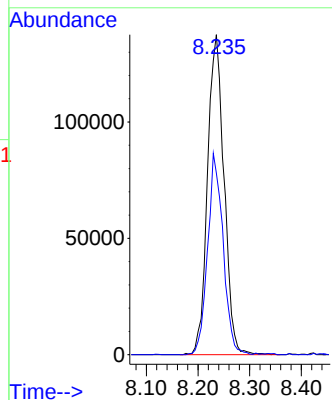
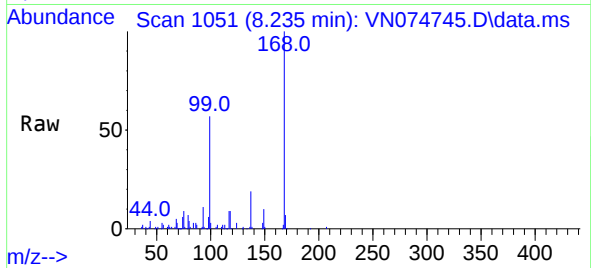




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

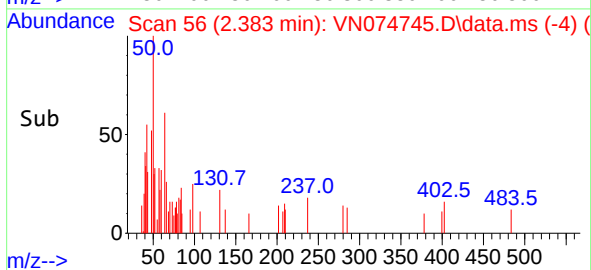
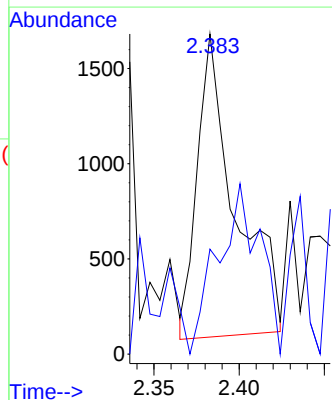
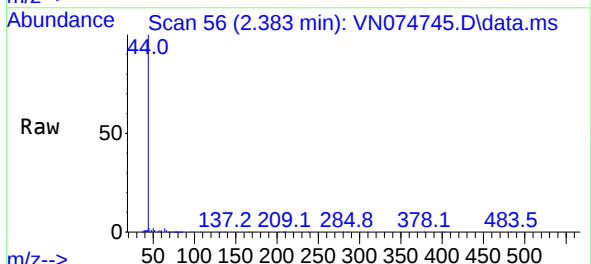
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBL01

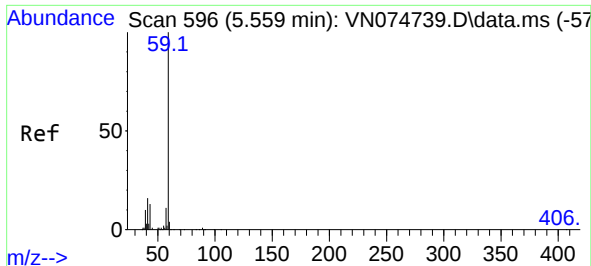
Tgt Ion:168 Resp: 305210
Ion Ratio Lower Upper
168 100
99 56.8 42.8 64.2



#3
Chloromethane
Concen: 0.266 ug/l
RT: 2.383 min Scan# 56
Delta R.T. 0.006 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

Tgt Ion: 50 Resp: 2472
Ion Ratio Lower Upper
50 100
52 36.3 26.7 40.1

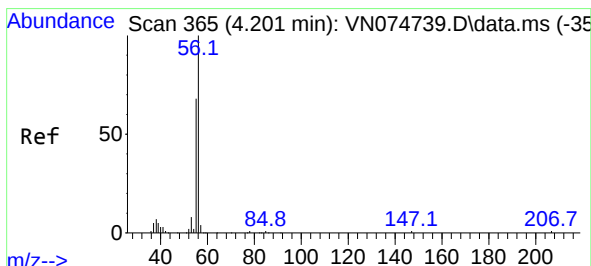
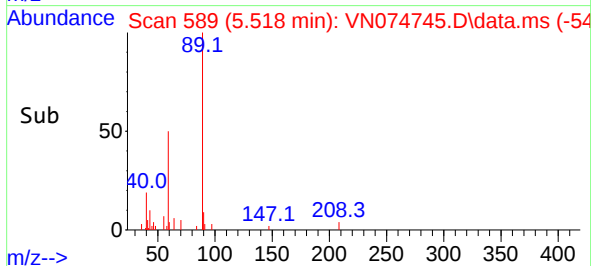
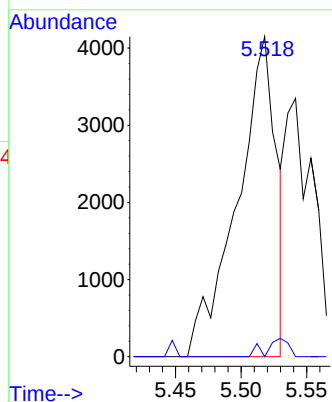
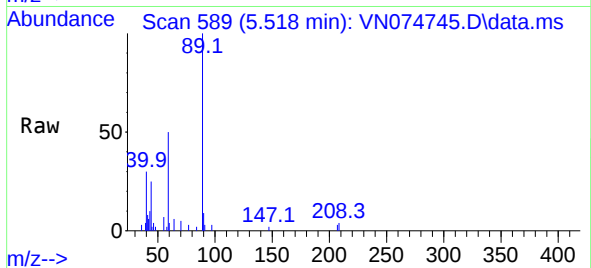




#11
Tert butyl alcohol
Concen: 3.545 ug/l
RT: 5.518 min Scan# 51
Delta R.T. -0.041 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

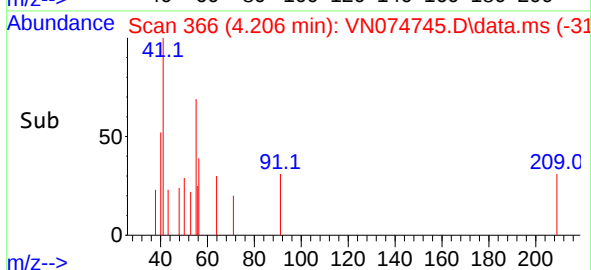
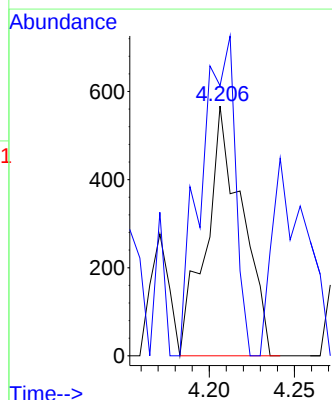
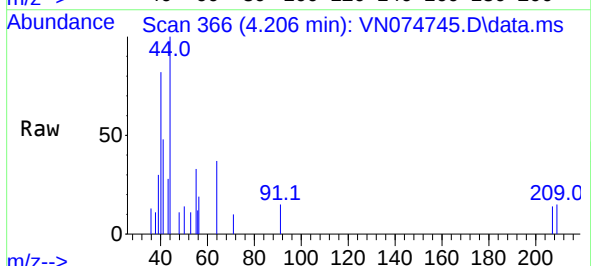
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ClientSampleId :
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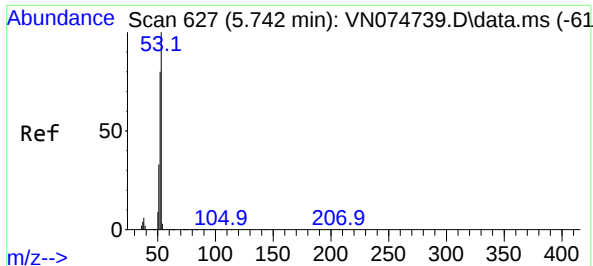
Tgt Ion: 59 Resp: 8585
Ion Ratio Lower Upper
59 100
57 3.2 7.7 11.5#



#13
Acrolein
Concen: Below Cal
RT: 4.206 min Scan# 366
Delta R.T. 0.005 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

Tgt Ion: 56 Resp: 835
Ion Ratio Lower Upper
56 100
55 121.1 54.9 82.3#

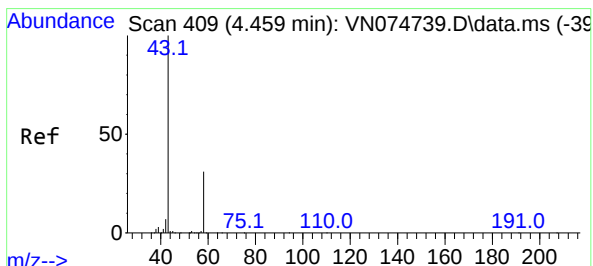
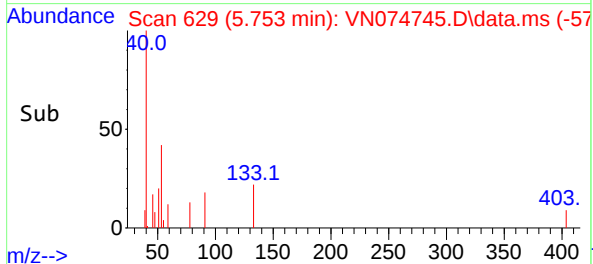
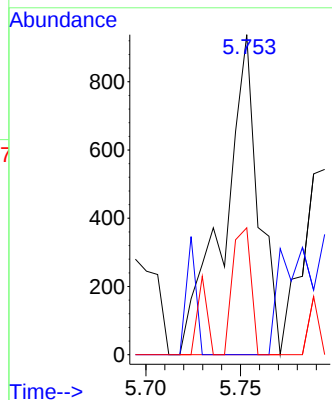
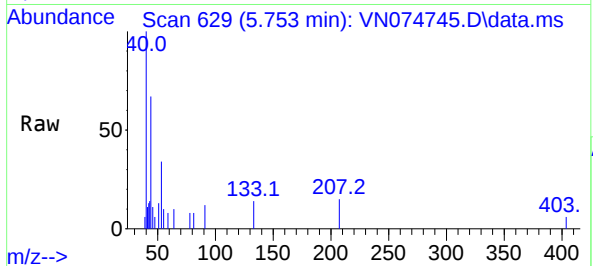




#15
Acrylonitrile
Concen: 0.225 ug/l
RT: 5.753 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

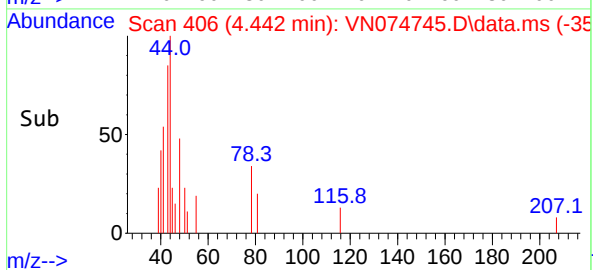
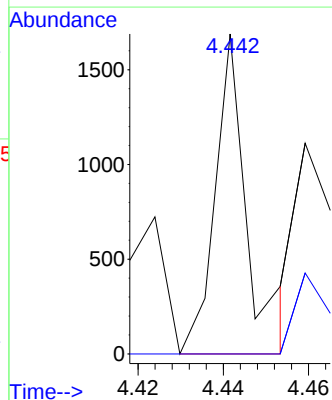
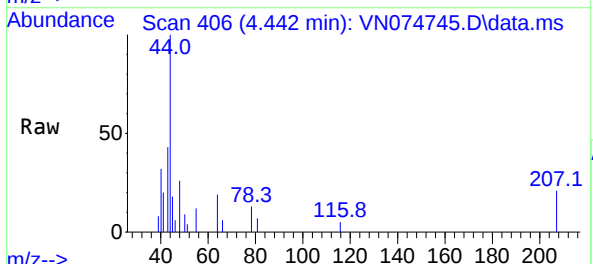
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBL01

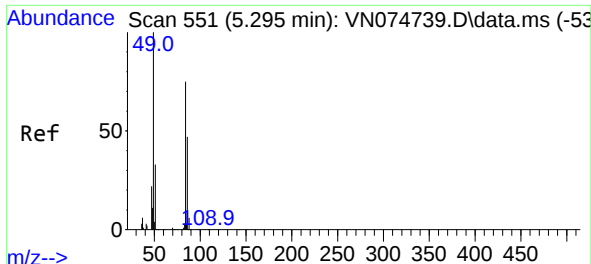
Tgt Ion: 53 Resp: 1190
Ion Ratio Lower Upper
53 100
52 0.0 64.3 96.5#
51 21.0 27.5 41.3#



#16
Acetone
Concen: 0.217 ug/l
RT: 4.442 min Scan# 406
Delta R.T. -0.018 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

Tgt Ion: 43 Resp: 890
Ion Ratio Lower Upper
43 100
58 0.0 24.9 37.3#

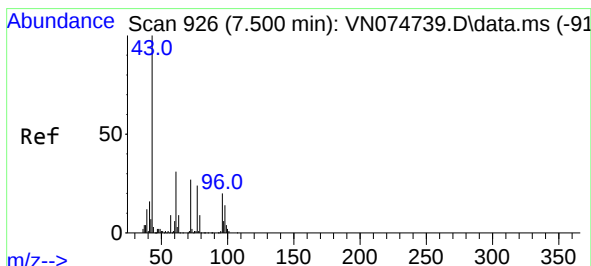
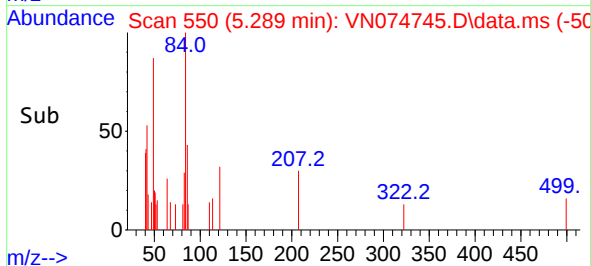
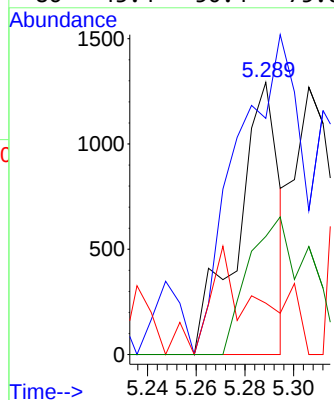
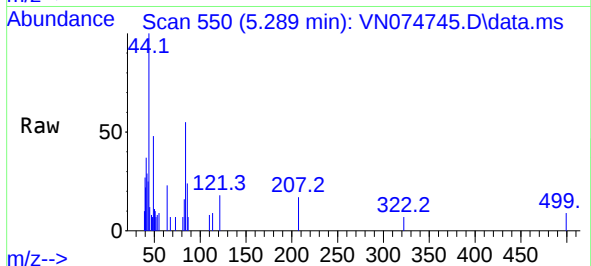




#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 511
Delta R.T. -0.006 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

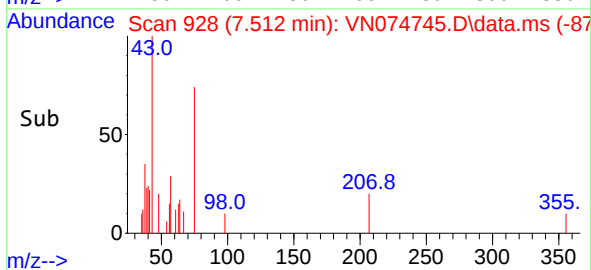
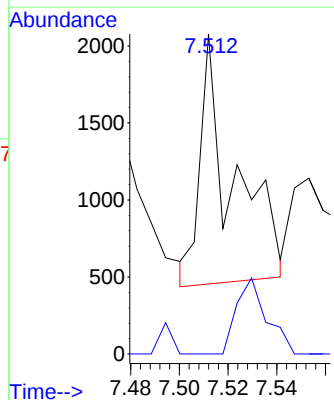
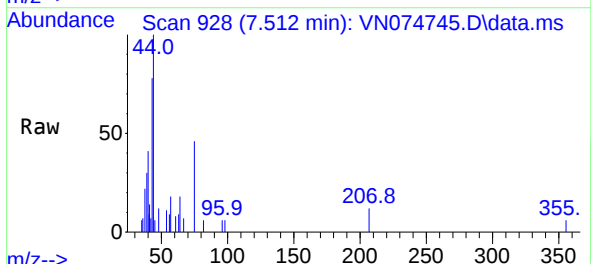
Instrument :
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ClientSampleId :
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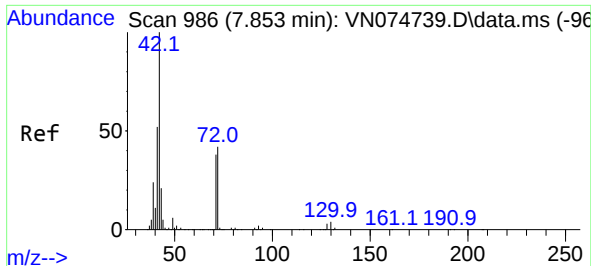
Tgt Ion: 84 Resp: 1525
Ion Ratio Lower Upper
84 100
49 67.9 107.4 161.0#
51 7.0 35.1 52.7#
86 43.4 50.4 75.6#



#25
2-Butanone
Concen: 0.205 ug/l
RT: 7.512 min Scan# 928
Delta R.T. 0.012 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

Tgt Ion: 43 Resp: 1522
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#

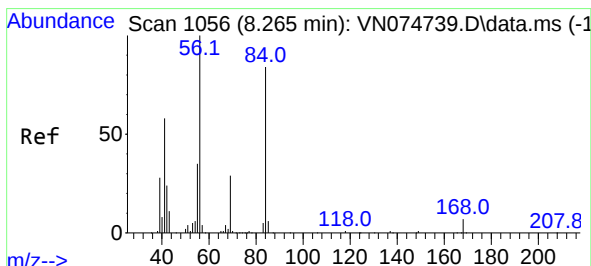
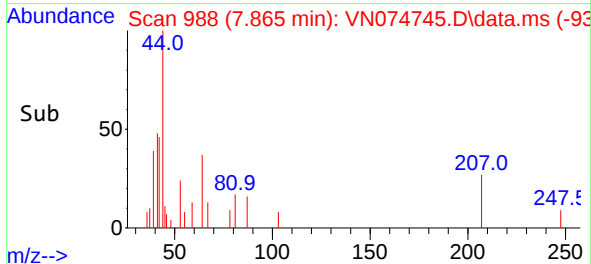
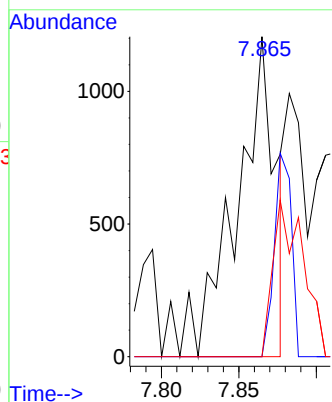
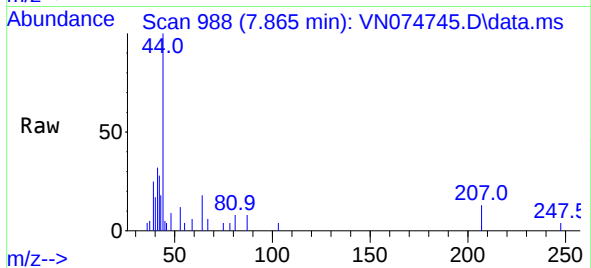




#29
Tetrahydrofuran
Concen: 0.406 ug/l
RT: 7.865 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

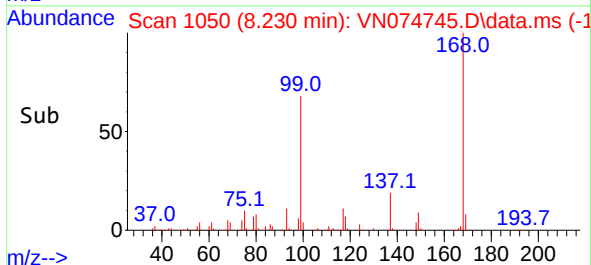
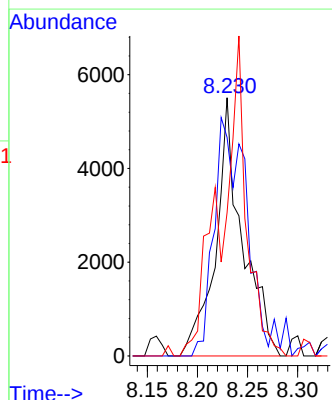
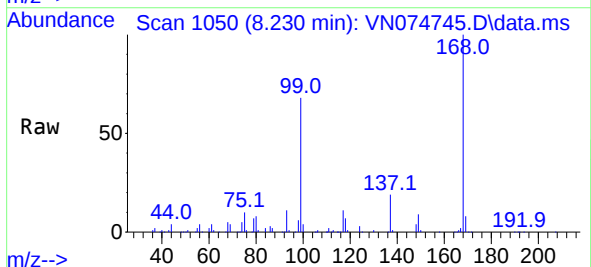
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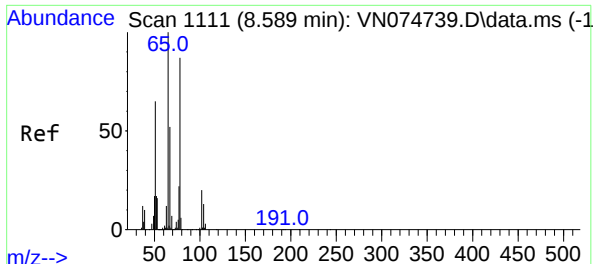
Tgt Ion: 42 Resp: 2106
Ion Ratio Lower Upper
42 100
72 27.9 33.0 49.6#
71 37.9 30.4 45.6



#31
Cyclohexane
Concen: 0.812 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

Tgt Ion: 56 Resp: 10144
Ion Ratio Lower Upper
56 100
69 84.6 23.1 34.7#
84 55.5 67.1 100.7#

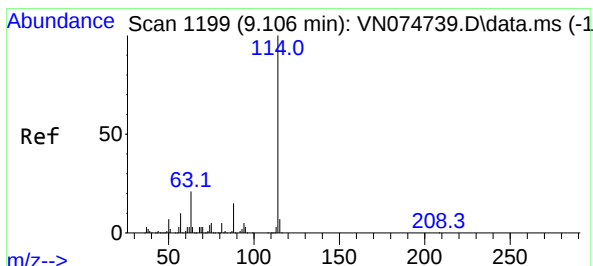
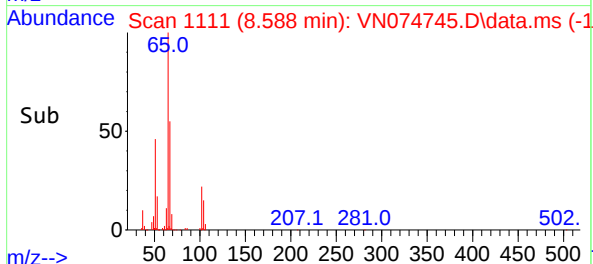
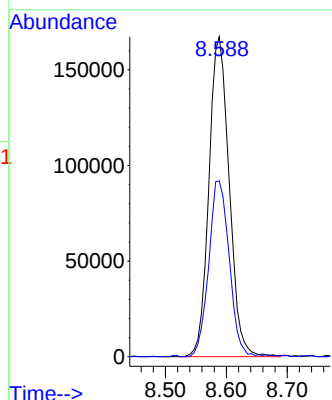
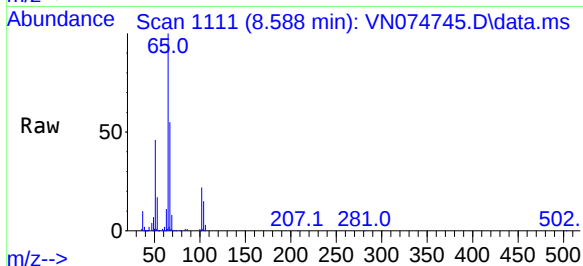




#33
1,2-Dichloroethane-d4
Concen: 53.513 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

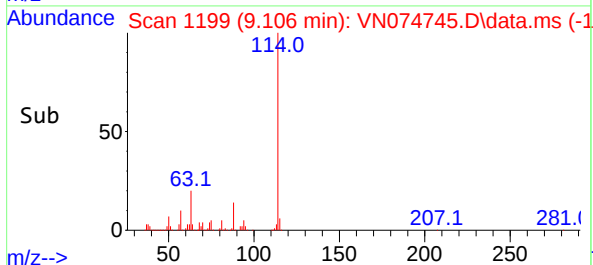
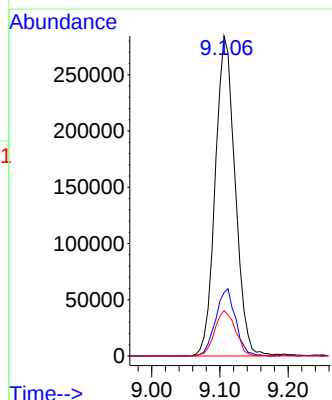
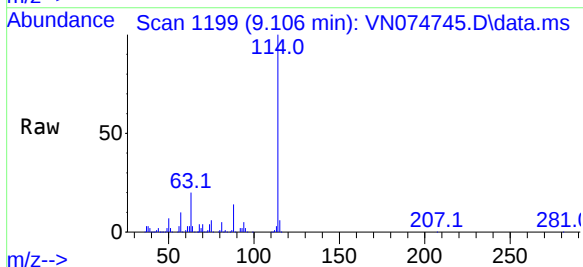
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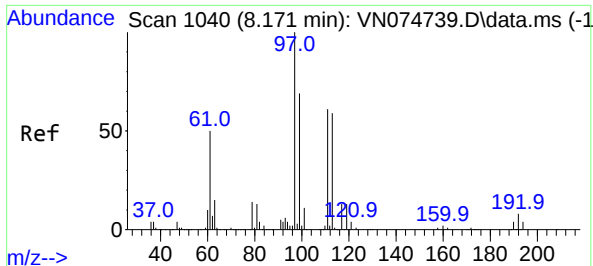
Tgt Ion: 65 Resp: 386993
Ion Ratio Lower Upper
65 100
67 55.5 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

Tgt Ion:114 Resp: 578343
Ion Ratio Lower Upper
114 100
63 19.8 0.0 41.2
88 14.2 0.0 30.2

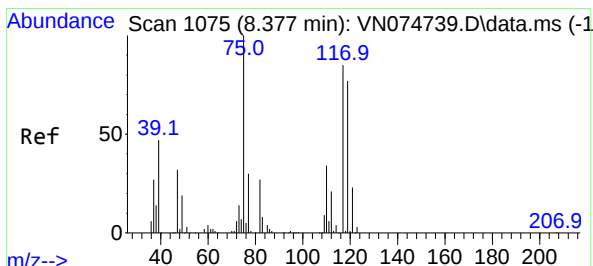
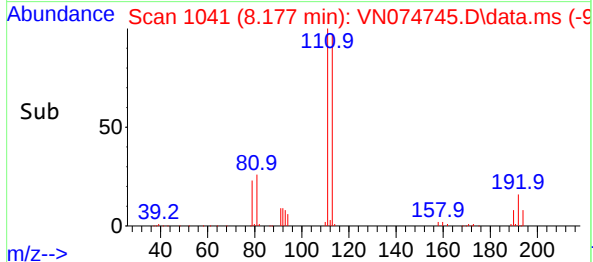
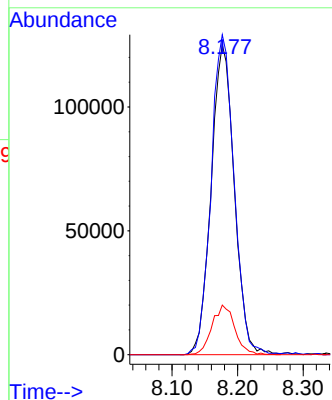
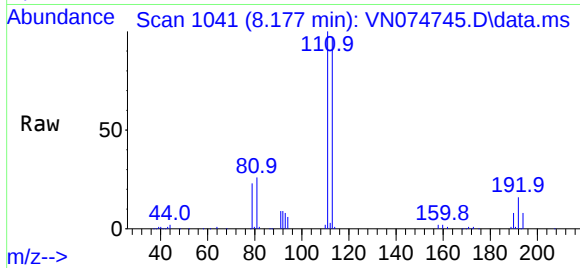




#35
Dibromofluoromethane
Concen: 52.460 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

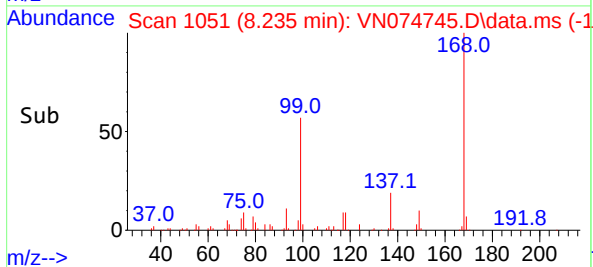
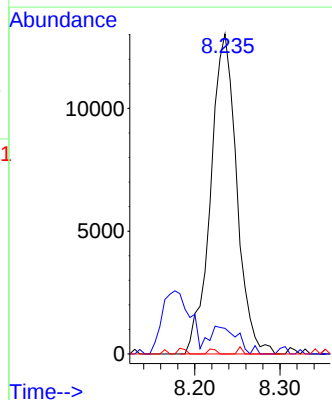
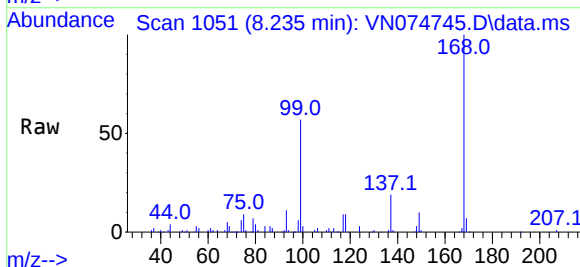
Instrument :
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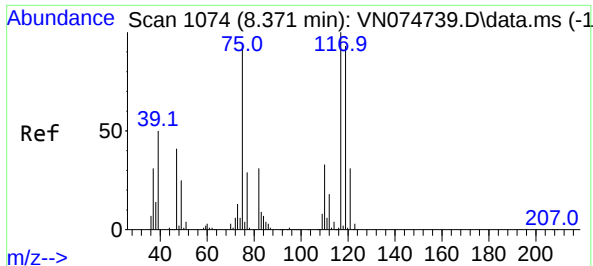
Tgt Ion:113 Resp: 306541
Ion Ratio Lower Upper
113 100
111 102.3 83.0 124.6
192 15.8 12.6 18.8



#36
1,1-Dichloropropene
Concen: 2.927 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

Tgt Ion: 75 Resp: 27684
Ion Ratio Lower Upper
75 100
110 0.0 17.2 51.5#
77 0.4 24.3 36.5#

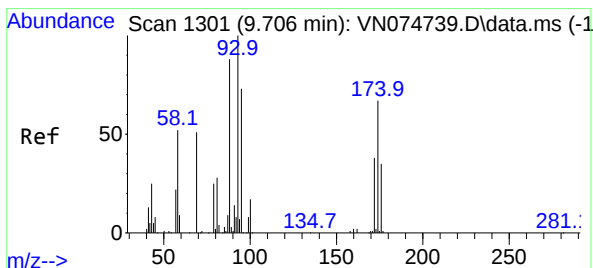
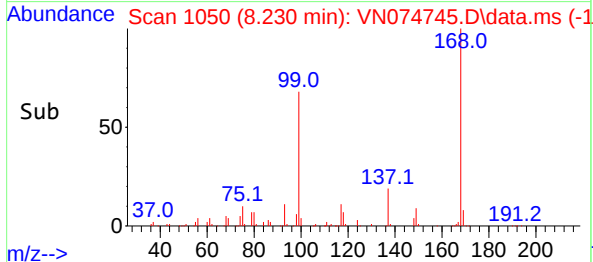
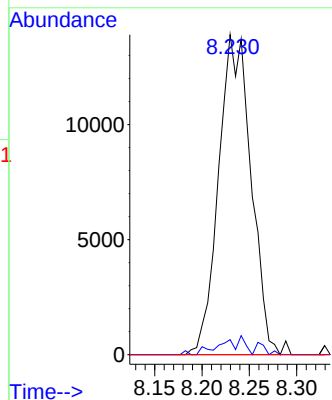
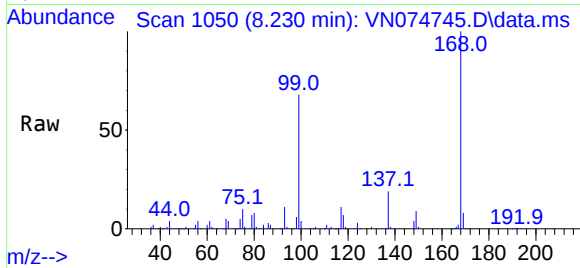




#38
Carbon Tetrachloride
Concen: 3.704 ug/l
RT: 8.230 min Scan# 1074
Delta R.T. -0.141 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

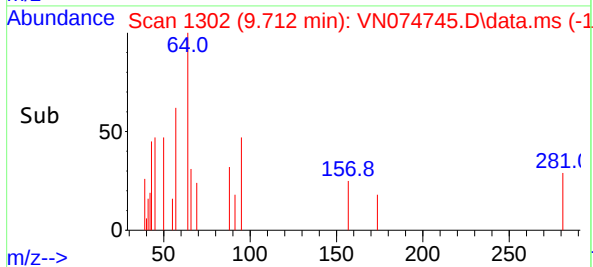
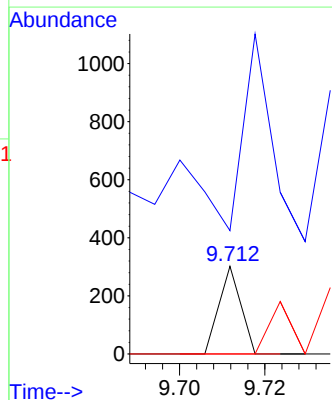
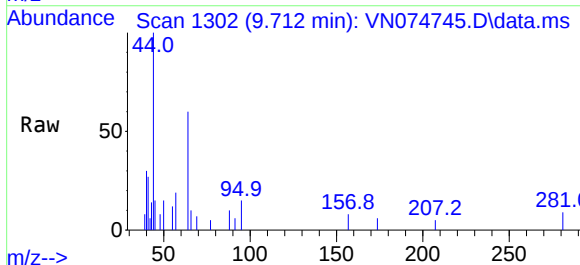
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBL01

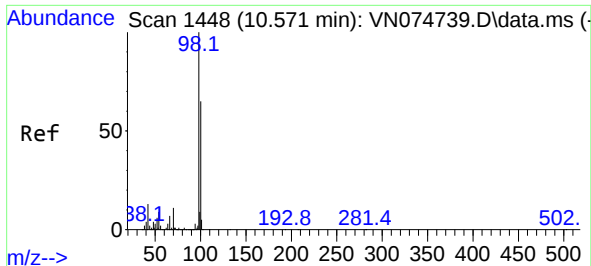
Tgt Ion:117 Resp: 33041
Ion Ratio Lower Upper
117 100
119 4.7 74.3 111.5#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 0.513 ug/l
RT: 9.712 min Scan# 1302
Delta R.T. 0.006 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

Tgt Ion: 88 Resp: 107
Ion Ratio Lower Upper
88 100
43 515.9 23.4 35.2#
58 59.8 54.9 82.3

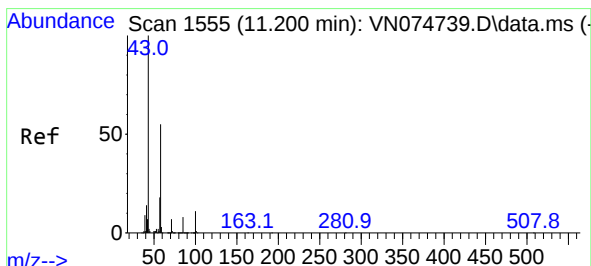
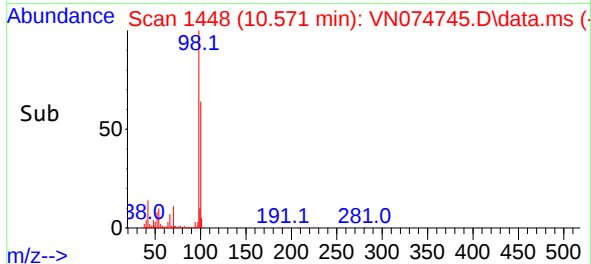
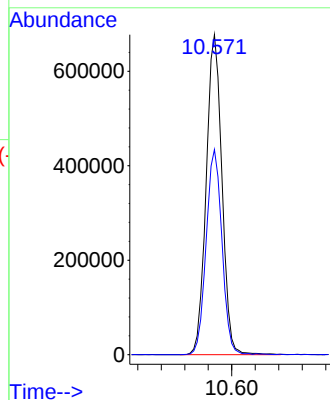
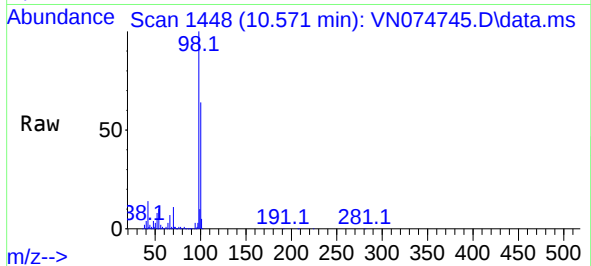




#50
Toluene-d8
Concen: 50.249 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

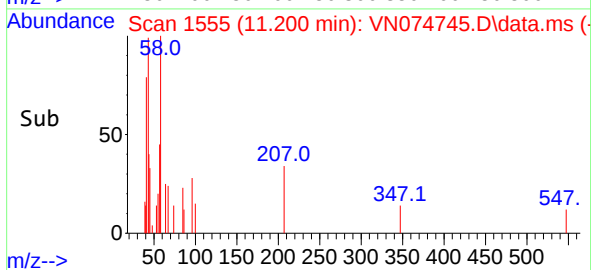
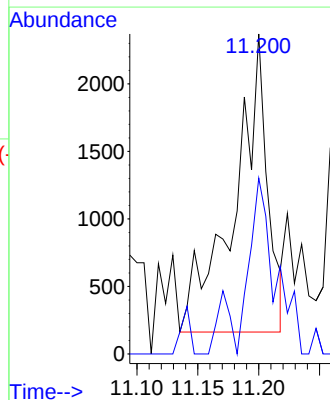
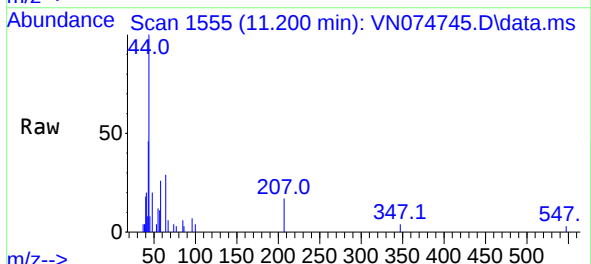
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBL01

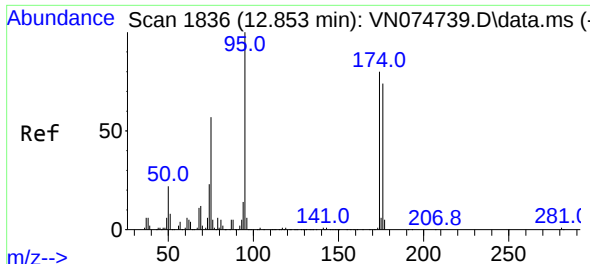
Tgt Ion: 98 Resp: 1259900
Ion Ratio Lower Upper
98 100
100 64.2 50.7 76.1



#59
2-Hexanone
Concen: 0.366 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

Tgt Ion: 43 Resp: 4178
Ion Ratio Lower Upper
43 100
58 45.4 27.3 81.9

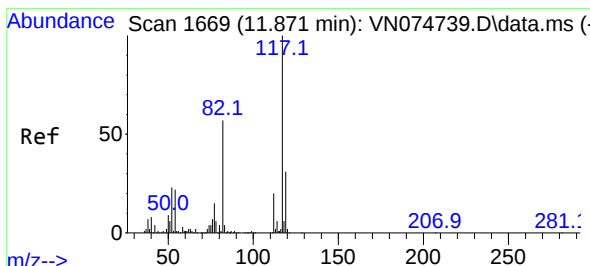
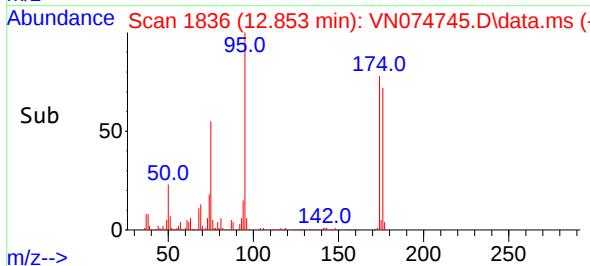
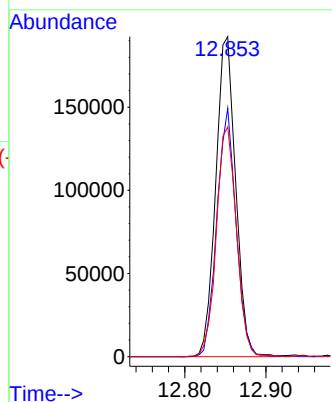
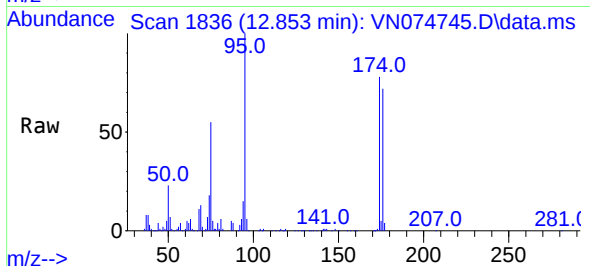




#62
4-Bromofluorobenzene
Concen: 43.075 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

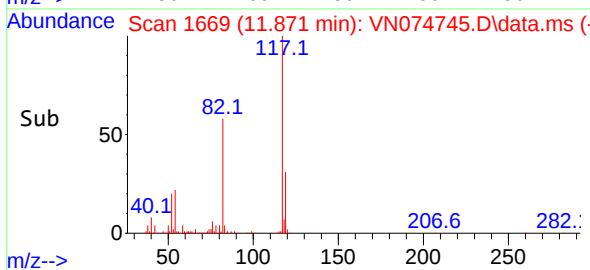
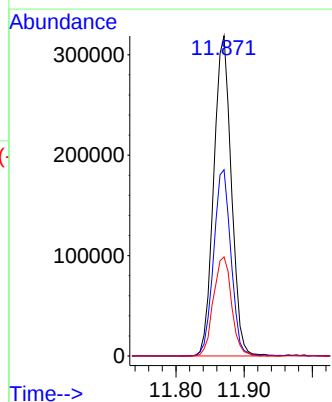
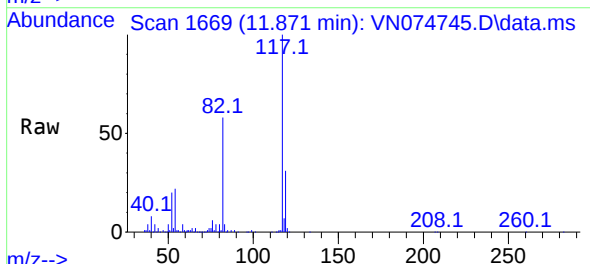
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBL01

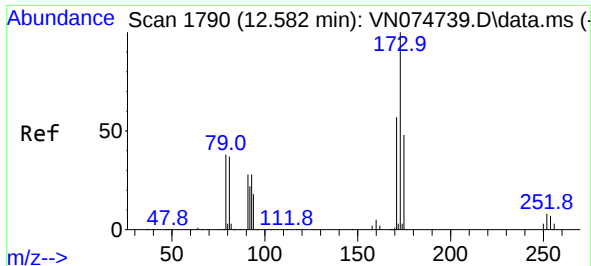
Tgt Ion: 95 Resp: 328309
Ion Ratio Lower Upper
95 100
174 74.9 0.0 149.4
176 72.3 0.0 142.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

Tgt Ion: 117 Resp: 572874
Ion Ratio Lower Upper
117 100
82 58.2 45.4 68.2
119 30.9 25.1 37.7

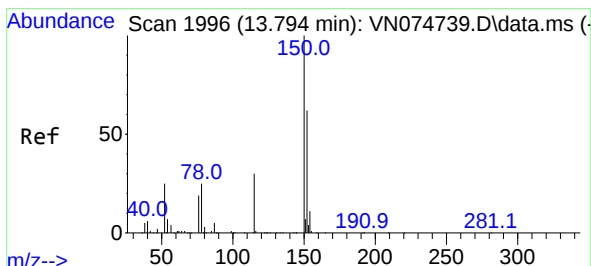
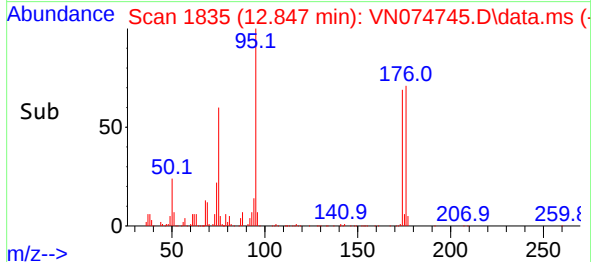
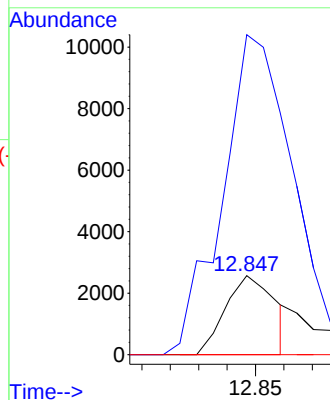
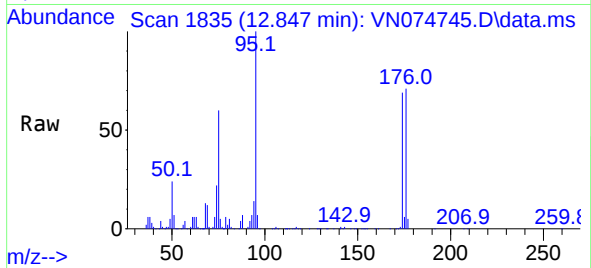




#71
Bromoform
Concen: 0.640 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

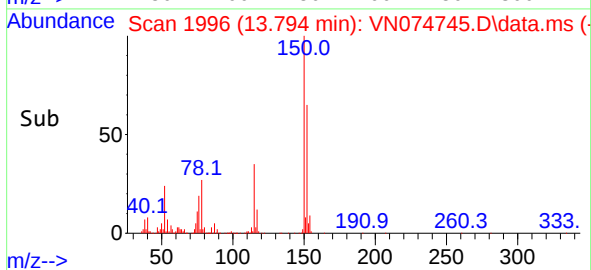
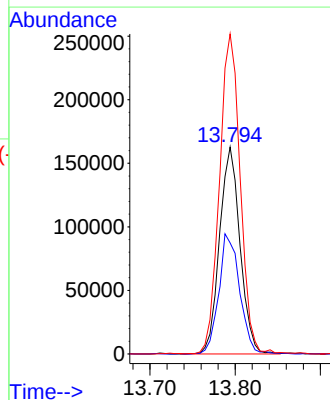
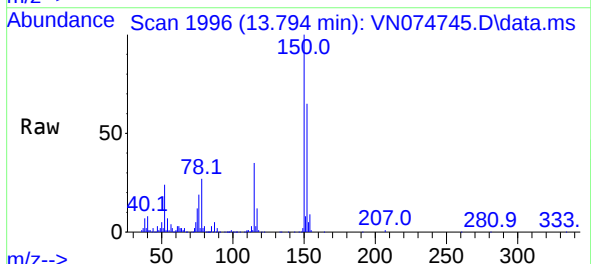
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBL01

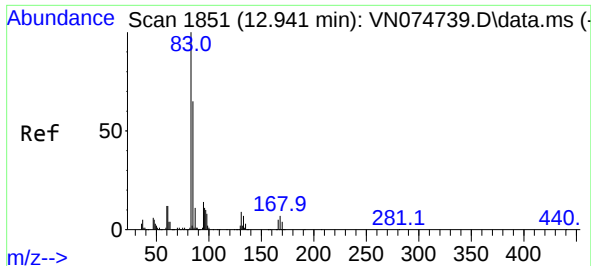
Tgt Ion:173 Resp: 3130
Ion Ratio Lower Upper
173 100
175 464.9 23.9 71.7#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

Tgt Ion:152 Resp: 271828
Ion Ratio Lower Upper
152 100
115 59.1 30.0 90.0
150 157.3 0.0 356.4

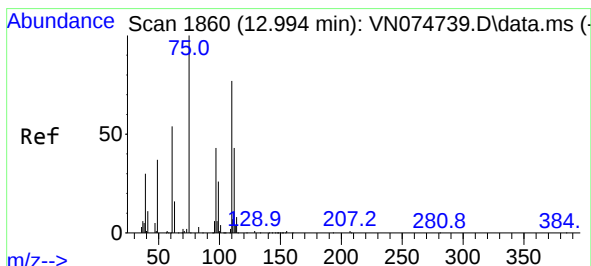
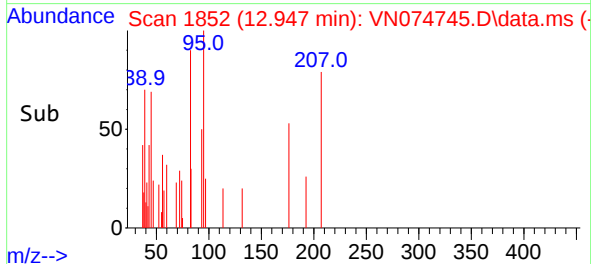
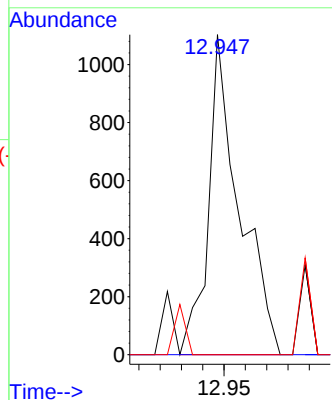
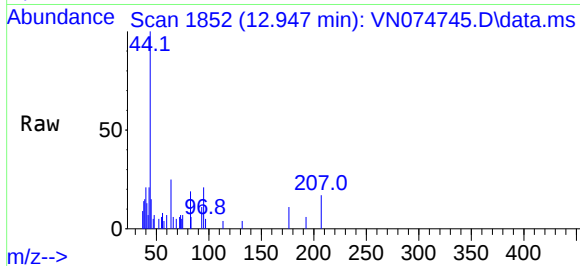




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.947 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

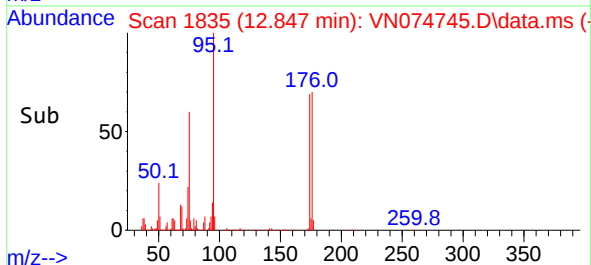
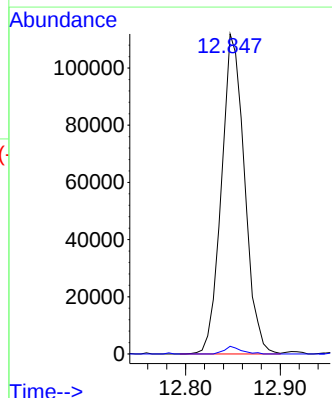
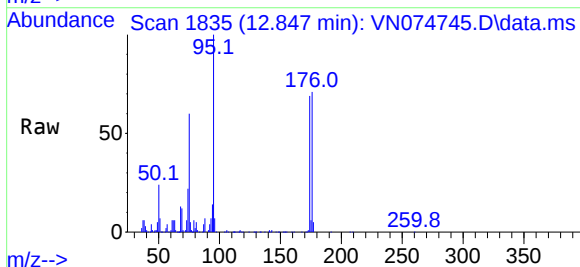
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBL01

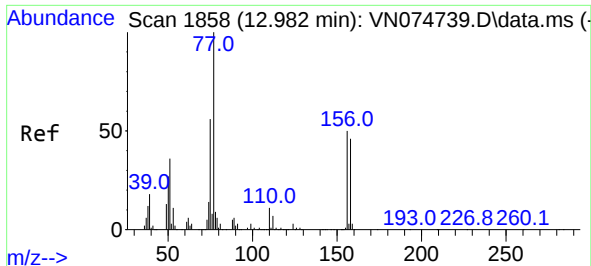
Tgt Ion: 83 Resp: 1115
Ion Ratio Lower Upper
83 100
131 0.0 4.3 12.8#
85 0.0 32.9 98.6#



#76
1,2,3-Trichloropropane
Concen: 23.330 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

Tgt Ion: 75 Resp: 189284
Ion Ratio Lower Upper
75 100
77 1.7 76.9 230.7#

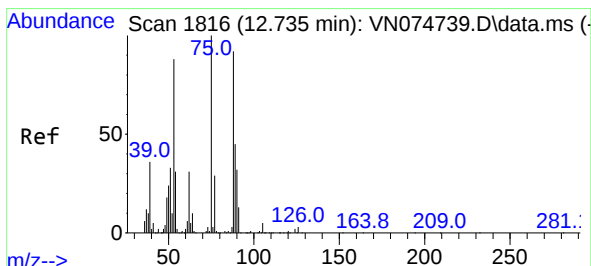
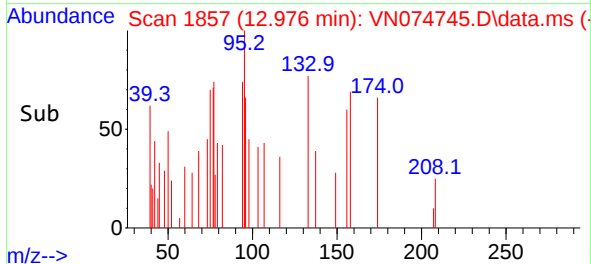
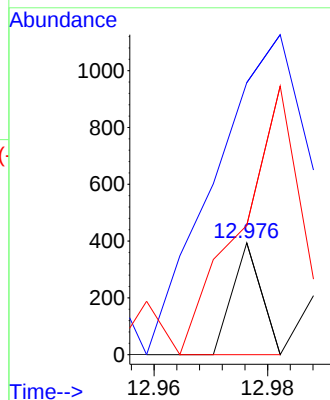
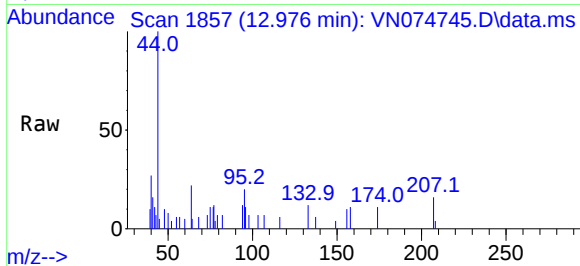




#77
Bromobenzene
Concen: Below Cal
RT: 12.976 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

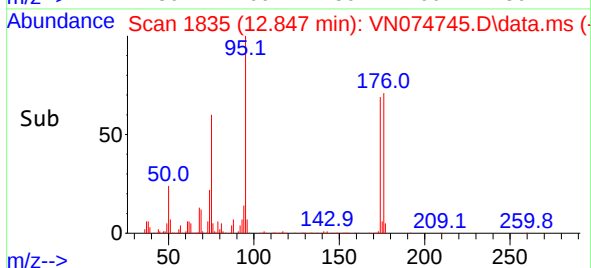
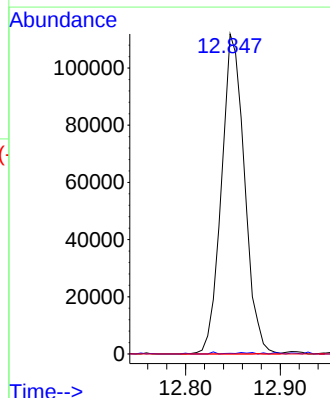
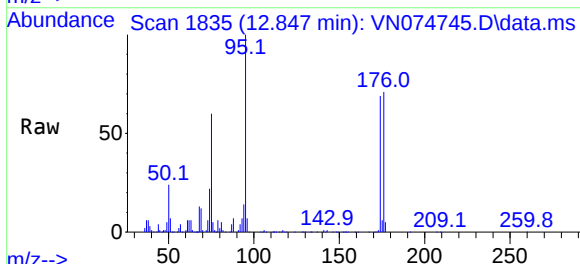
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBL01

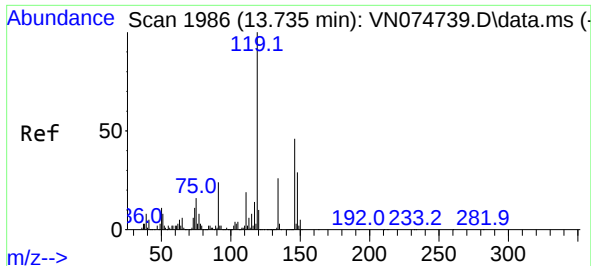
Tgt Ion:156 Resp: 139
Ion Ratio Lower Upper
156 100
77 1174.8 124.7 374.1#
158 794.2 48.3 144.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 45.455 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

Tgt Ion: 75 Resp: 189284
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.0#
89 0.0 32.1 48.1#





#87

1,3-Dichlorobenzene

Concen: 0.216 ug/l

RT: 13.735 min Scan# 1986

Delta R.T. -0.000 min

Lab File: VN074745.D

Acq: 05 Oct 2022 18:24

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBL01

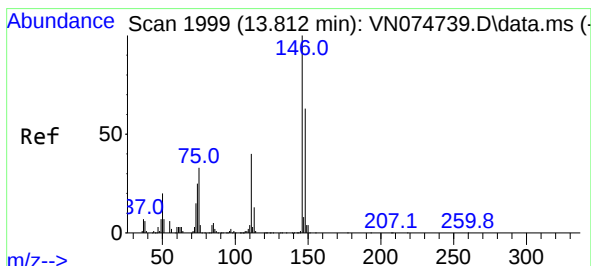
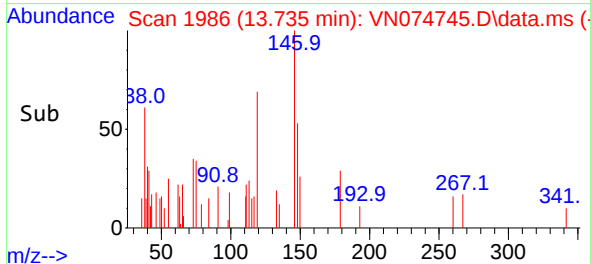
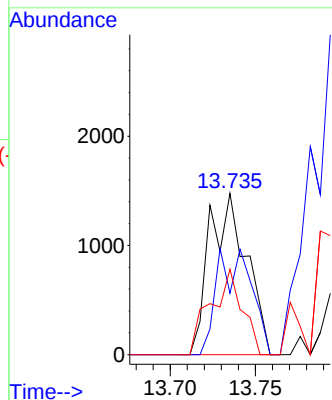
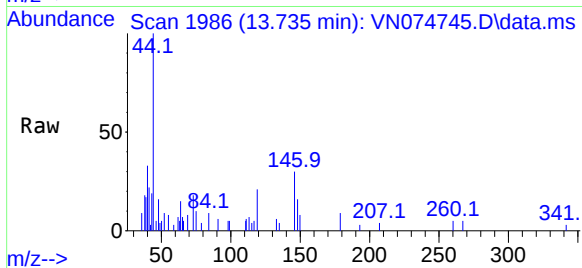
Tgt Ion:146 Resp: 2240

Ion Ratio Lower Upper

146 100

111 60.0 20.8 62.2

148 45.0 31.5 94.5



#88

1,4-Dichlorobenzene

Concen: 0.274 ug/l

RT: 13.800 min Scan# 1997

Delta R.T. -0.012 min

Lab File: VN074745.D

Acq: 05 Oct 2022 18:24

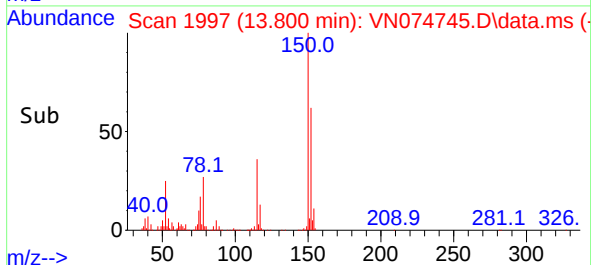
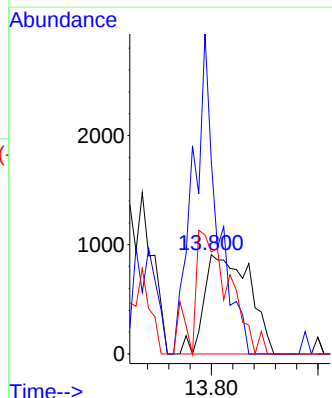
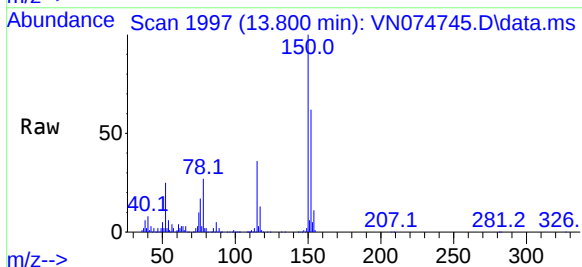
Tgt Ion:146 Resp: 2687

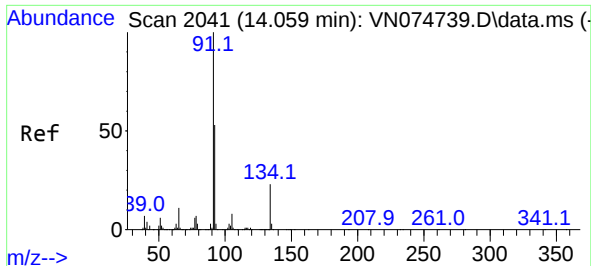
Ion Ratio Lower Upper

146 100

111 171.0 19.9 59.6#

148 97.5 31.8 95.4#

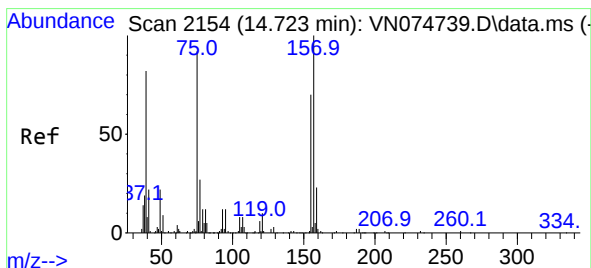
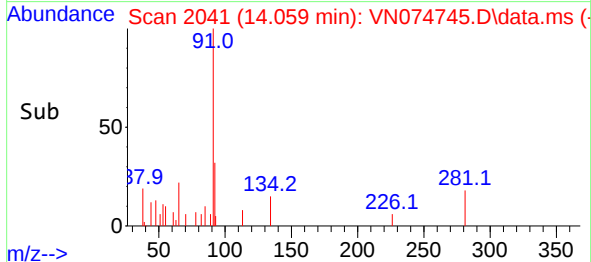
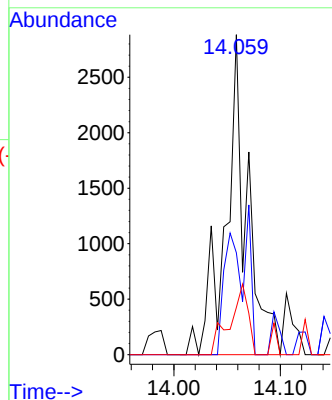
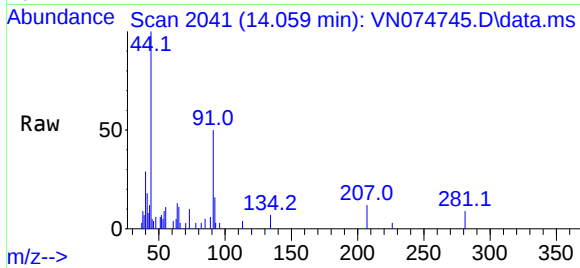




#89
n-Butylbenzene
Concen: 0.227 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

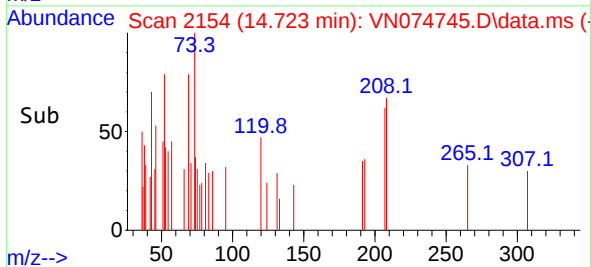
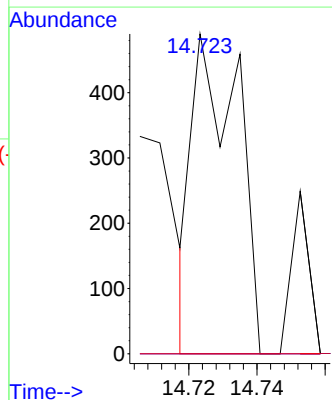
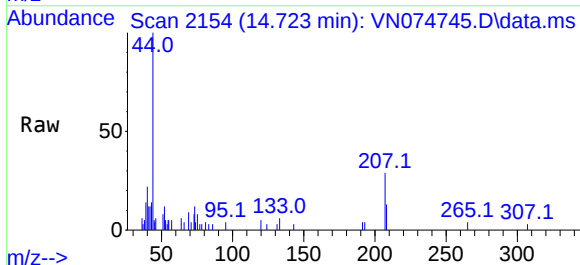
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBL01

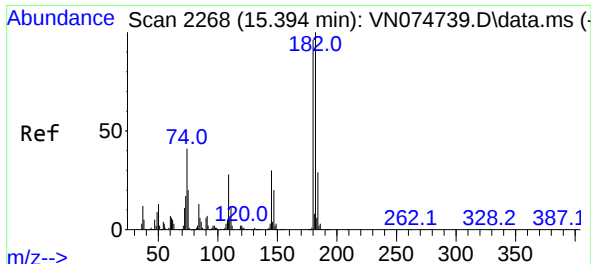
Tgt Ion: 91 Resp: 4041
Ion Ratio Lower Upper
91 100
92 40.2 26.7 80.0
134 19.0 11.9 35.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.206 ug/l
RT: 14.723 min Scan# 2154
Delta R.T. 0.000 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

Tgt Ion: 75 Resp: 447
Ion Ratio Lower Upper
75 100
155 0.0 40.3 120.8#
157 0.0 51.3 153.9#

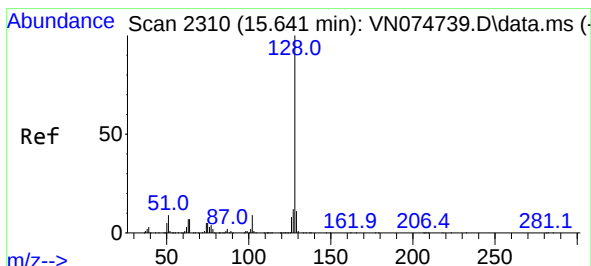
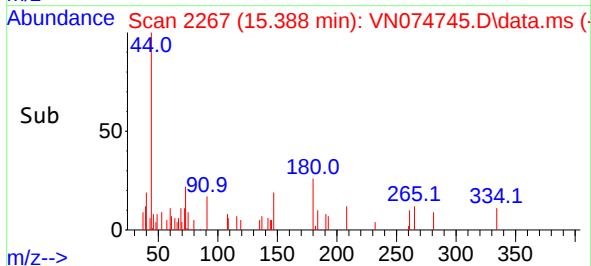
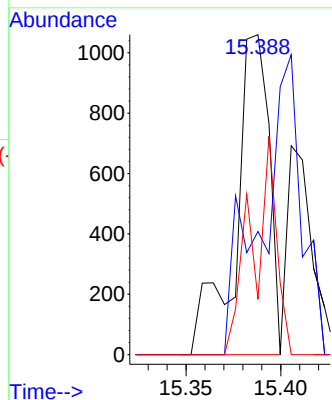
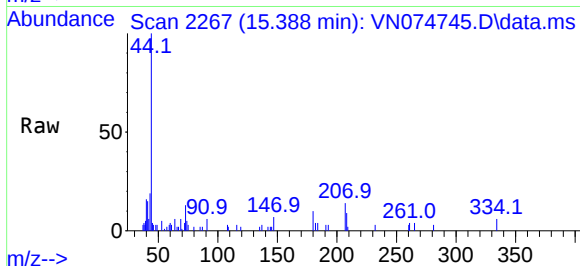




#93
1,2,4-Trichlorobenzene
Concen: 0.299 ug/l
RT: 15.388 min Scan# 211
Delta R.T. -0.006 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

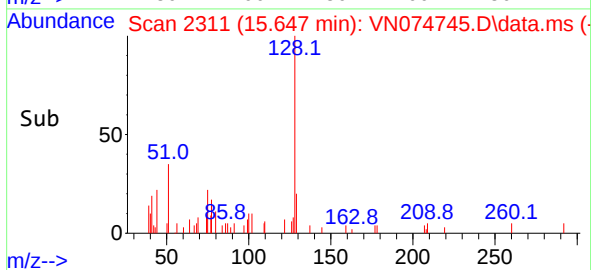
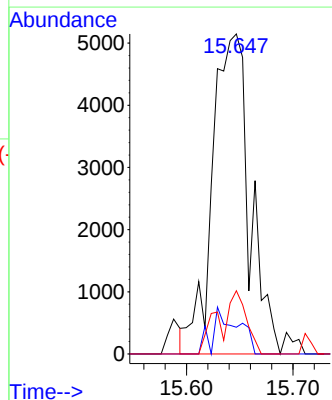
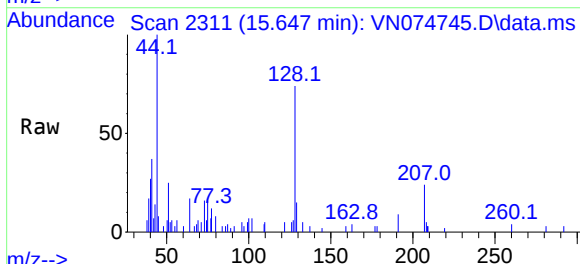
Instrument :
MSVOA_N
ClientSampleId :
VN1005WBL01

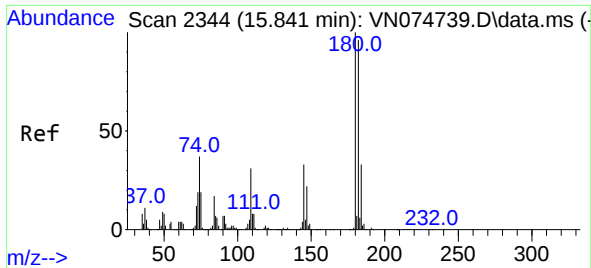
Tgt Ion:180 Resp: 1306
Ion Ratio Lower Upper
180 100
182 0.0 48.5 145.5#
145 49.4 16.1 48.3#



#95
Naphthalene
Concen: 0.660 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN074745.D
Acq: 05 Oct 2022 18:24

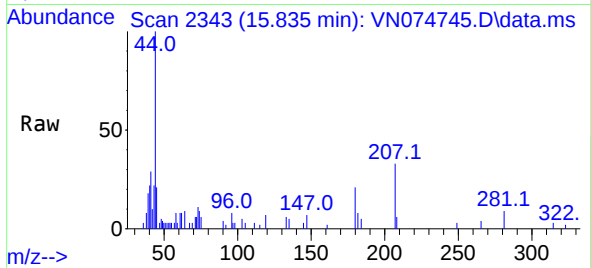
Tgt Ion:128 Resp: 12468
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 9.3 9.0 13.4





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN074745.D
 Acq: 05 Oct 2022 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBL01



Tgt Ion:180 Resp: 1181
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 142.0#
 145 0.0 17.1 51.2#

