

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091622\
 Data File : VN074541.D
 Acq On : 17 Sep 2022 04:33
 Operator : JC\MD
 Sample : N4549-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-57

Quant Time: Sep 17 06:19:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

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

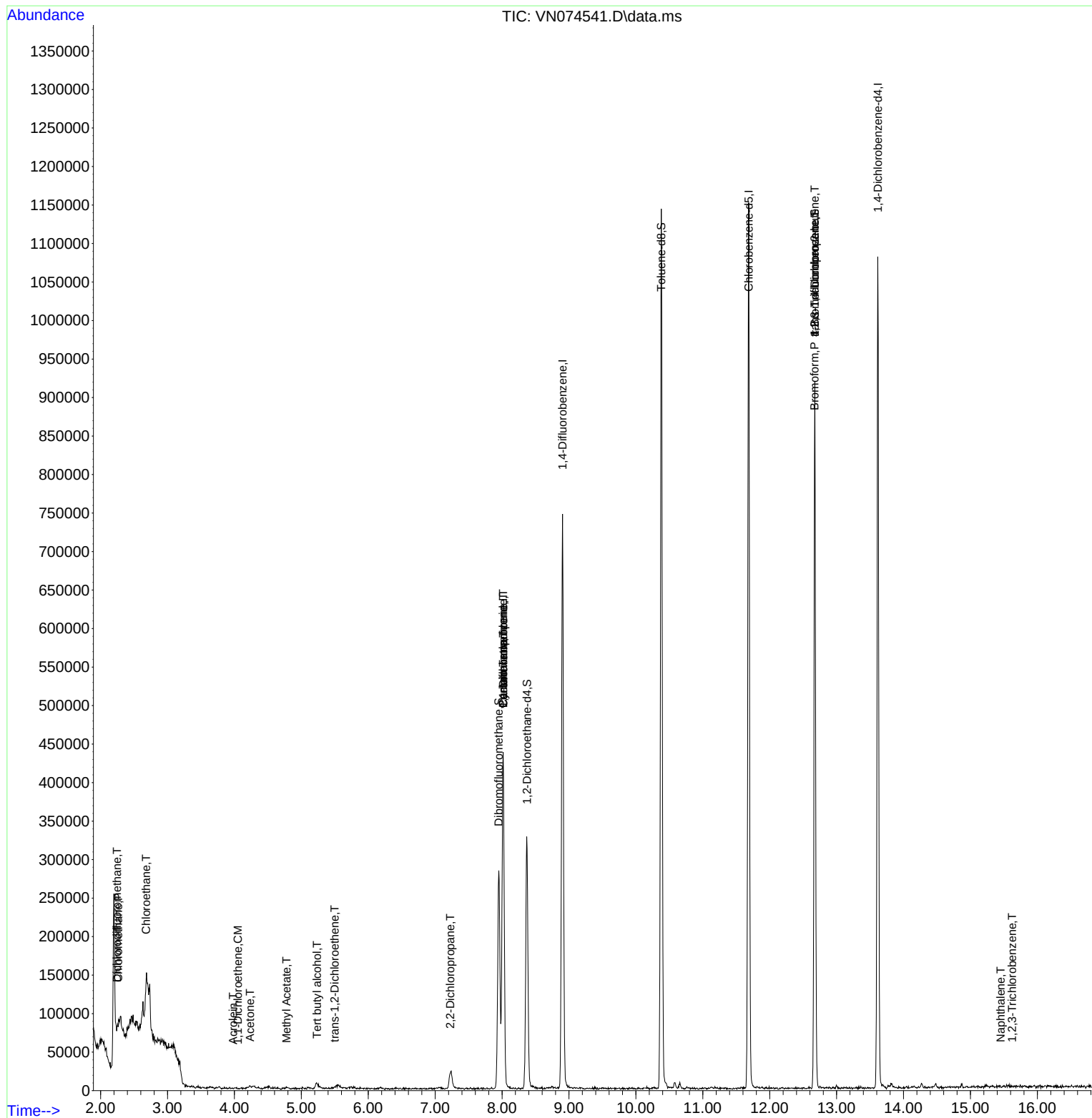
Internal Standards						
1) Pentafluorobenzene	8.016	168	307440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	602165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	585672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	258394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	246235	47.203	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.400%
35) Dibromofluoromethane	7.951	113	201224	50.305	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.620%
50) Toluene-d8	10.380	98	732287	47.337	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.680%
62) 4-Bromofluorobenzene	12.674	95	270170	50.992	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.980%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.246	85	882	0.264	ug/l #	43
3) Chloromethane	2.263	50	1932	0.600	ug/l #	54
6) Chloroethane	2.681	64	27600	6.709	ug/l #	42
11) Tert butyl alcohol	5.234	59	4036	2.375	ug/l #	72
12) 1,1-Dichloroethene	4.051	96	216	0.737	ug/l #	1
13) Acrolein	3.981	56	277	0.446	ug/l #	72
16) Acetone	4.234	43	5344	1.601	ug/l #	74
18) Methyl Acetate	4.781	43	3729	0.360	ug/l #	67
21) trans-1,2-Dichloroethene	5.498	96	181	0.469	ug/l #	1
26) 2,2-Dichloropropane	7.228	77	2172	0.260	ug/l #	53
28) Bromochloromethane	7.381	49	62	Below Cal	#	8
31) Cyclohexane	8.016	56	10136	1.095	ug/l #	45
36) 1,1-Dichloropropene	8.016	75	30724	4.339	ug/l #	45
38) Carbon Tetrachloride	8.016	117	34726	5.312	ug/l #	17
71) Bromoform	12.669	173	1777	0.453	ug/l #	28
76) 1,2,3-Trichloropropane	12.674	75	159704	20.080	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	159704	43.338	ug/l #	10
95) Naphthalene	15.451	128	274	1.601	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.621	180	61	1.348	ug/l #	12

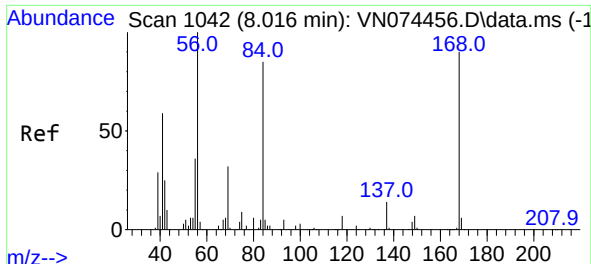
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

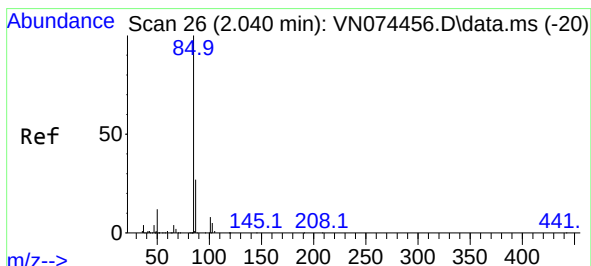
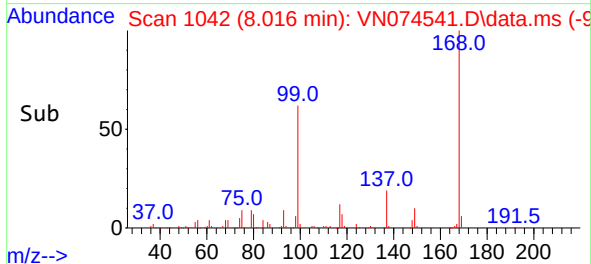
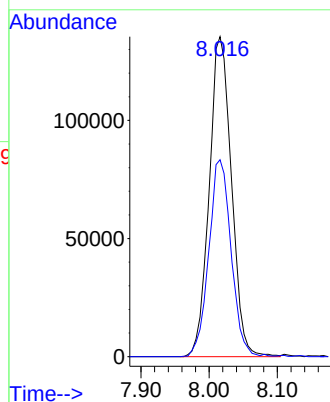
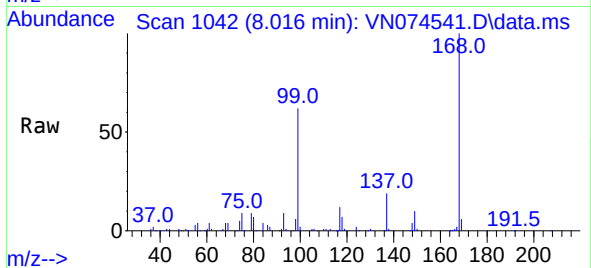




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

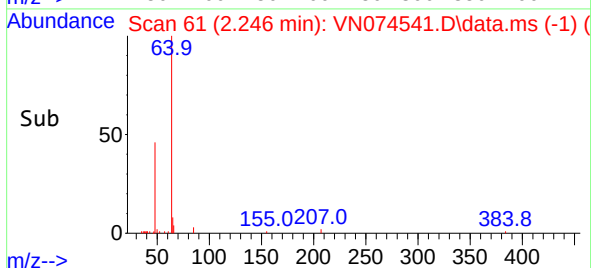
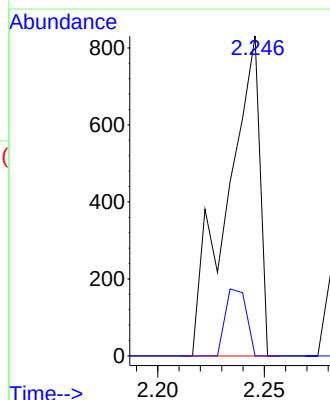
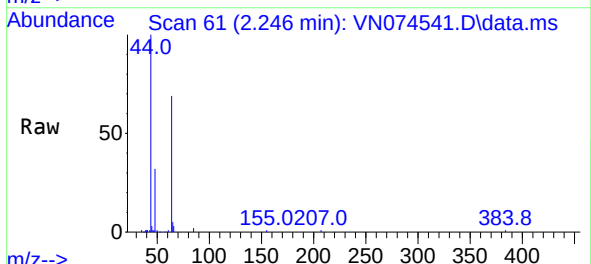
Instrument :
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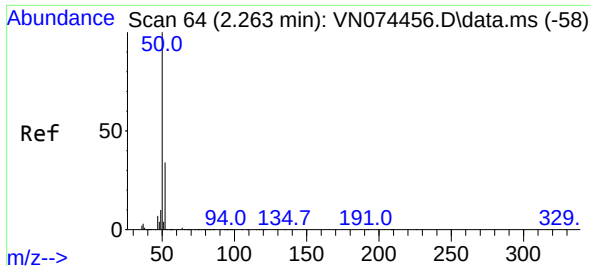
Tgt Ion:168 Resp: 307440
Ion Ratio Lower Upper
168 100
99 61.6 42.3 63.5



#2
Dichlorodifluoromethane
Concen: 0.264 ug/l
RT: 2.246 min Scan# 61
Delta R.T. 0.206 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

Tgt Ion: 85 Resp: 882
Ion Ratio Lower Upper
85 100
87 0.0 15.7 47.1#

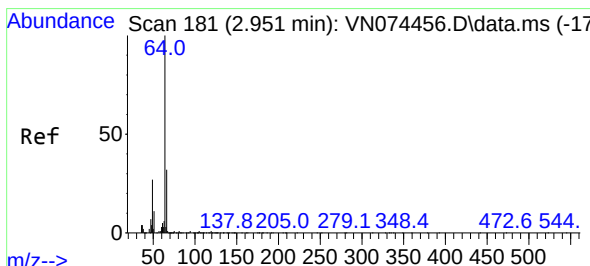
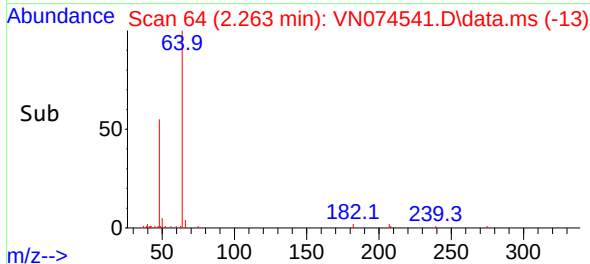
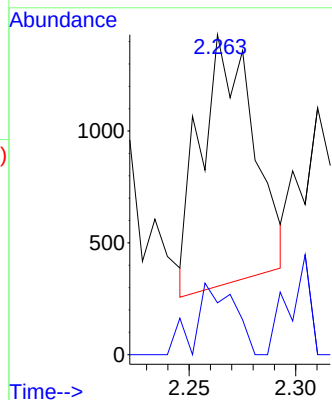
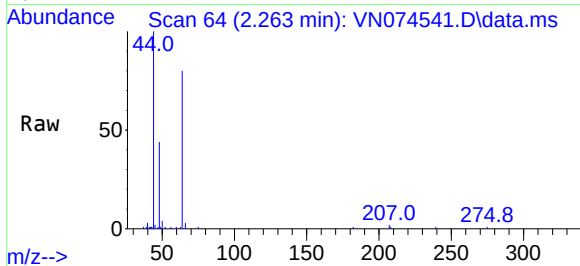




#3
Chloromethane
Concen: 0.600 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

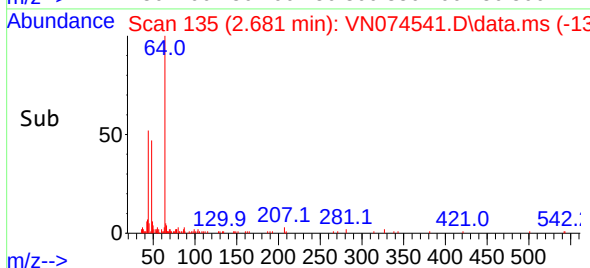
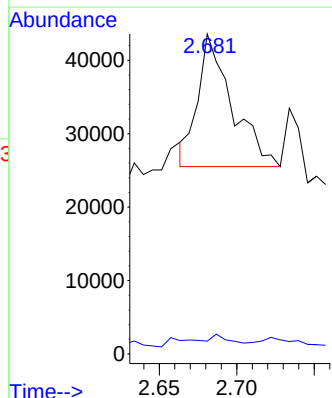
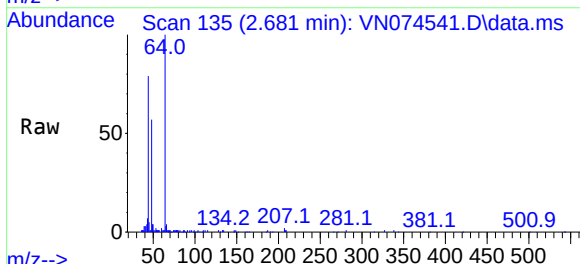
Instrument :
MSVOA_N
ClientSampleId :
MW-57

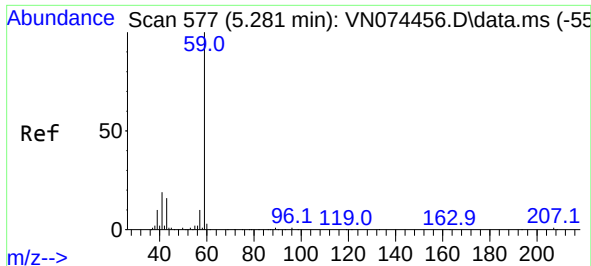
Tgt Ion: 50 Resp: 1932
Ion Ratio Lower Upper
50 100
52 6.6 25.7 38.5#



#6
Chloroethane
Concen: 6.709 ug/l
RT: 2.681 min Scan# 135
Delta R.T. -0.270 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

Tgt Ion: 64 Resp: 27600
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

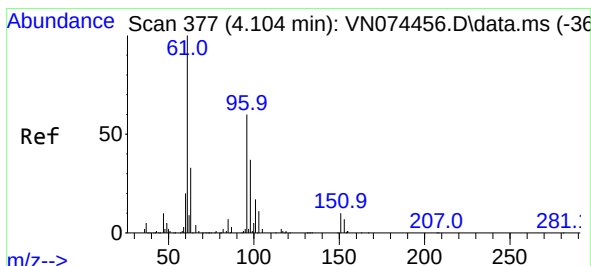
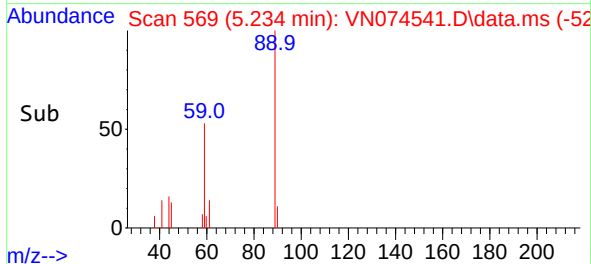
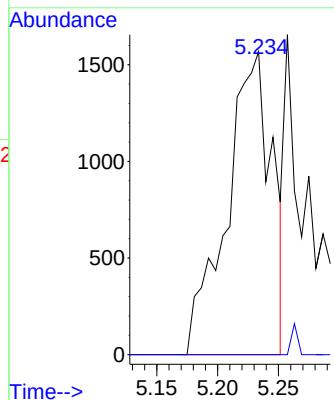
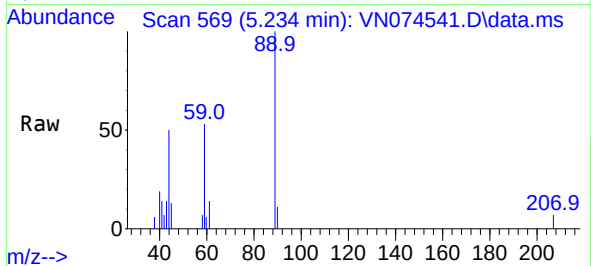




#11
Tert butyl alcohol
Concen: 2.375 ug/l
RT: 5.234 min Scan# 509
Delta R.T. -0.047 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

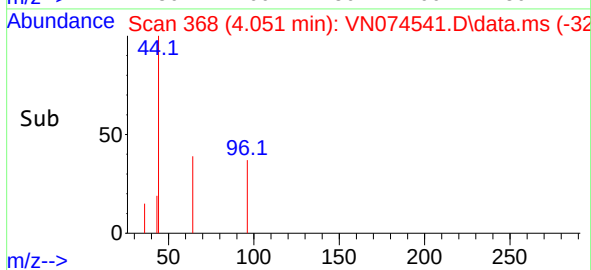
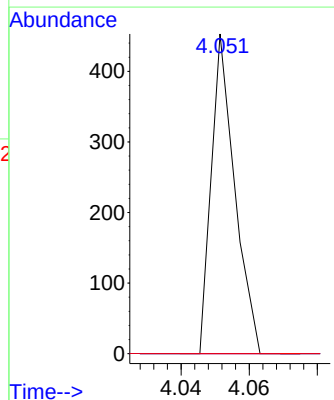
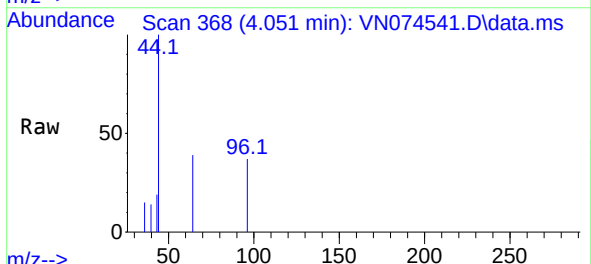
Instrument :
MSVOA_N
ClientSampleId :
MW-57

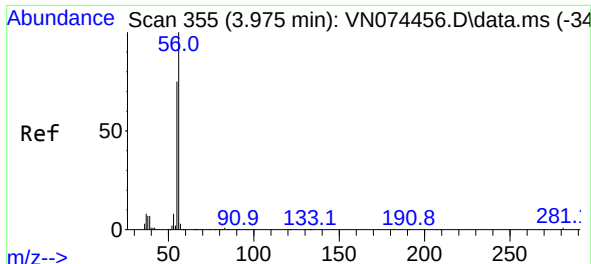
Tgt Ion: 59 Resp: 4036
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.737 ug/l
RT: 4.051 min Scan# 368
Delta R.T. -0.053 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

Tgt Ion: 96 Resp: 216
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#

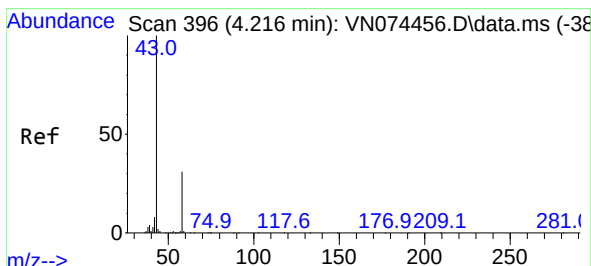
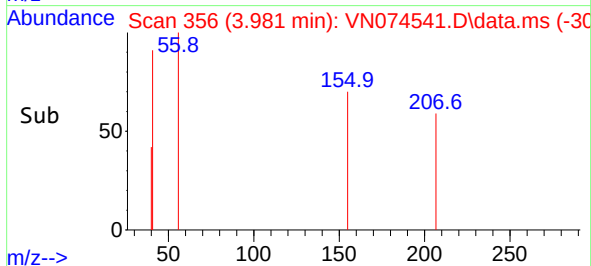
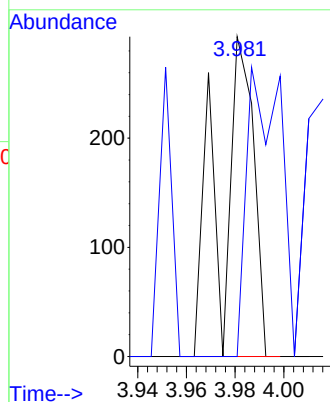
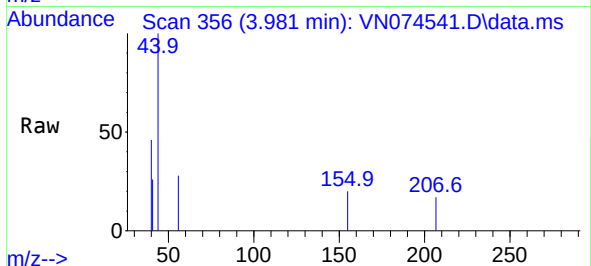




#13
Acrolein
Concen: 0.446 ug/l
RT: 3.981 min Scan# 355
Delta R.T. 0.006 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

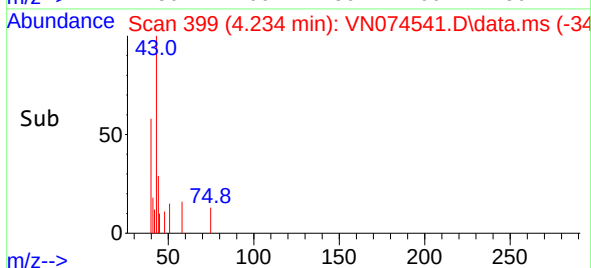
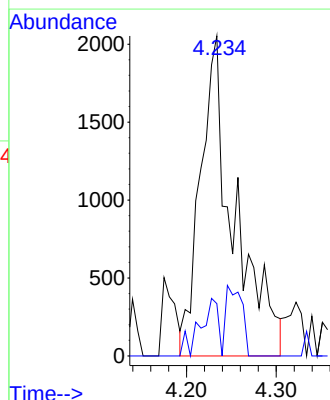
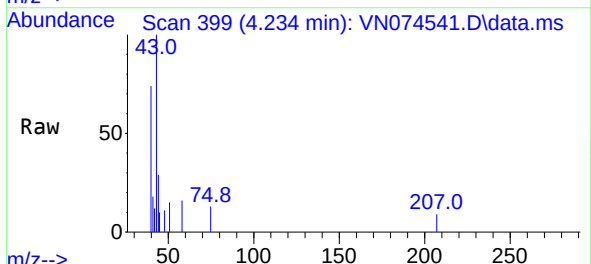
Instrument :
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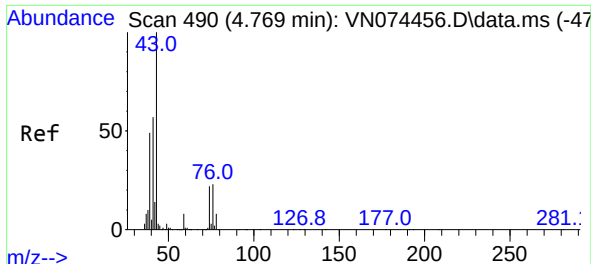
Tgt Ion: 56 Resp: 277
Ion Ratio Lower Upper
56 100
55 91.3 54.8 82.2#



#16
Acetone
Concen: 1.601 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.018 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

Tgt Ion: 43 Resp: 5344
Ion Ratio Lower Upper
43 100
58 17.7 26.0 39.0#

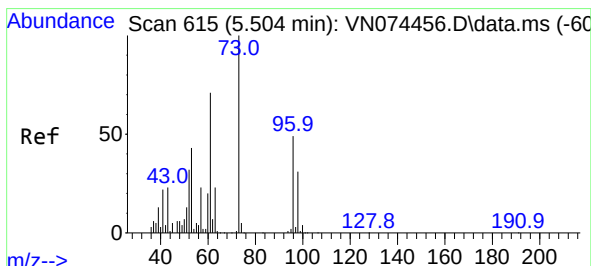
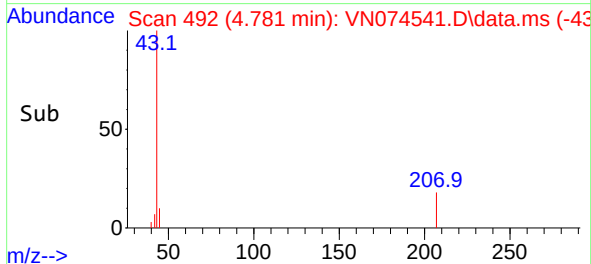
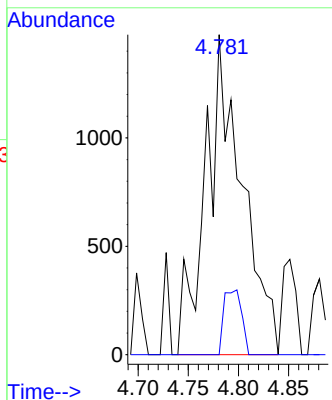
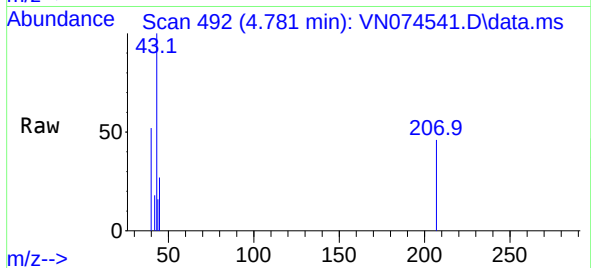




#18
Methyl Acetate
Concen: 0.360 ug/l
RT: 4.781 min Scan# 491
Delta R.T. 0.012 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

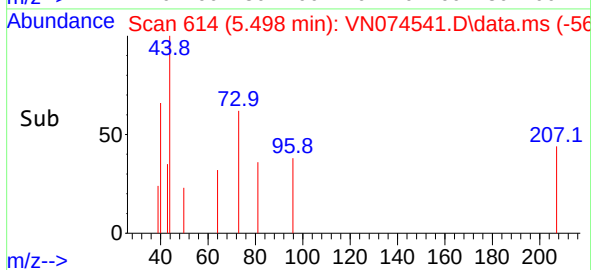
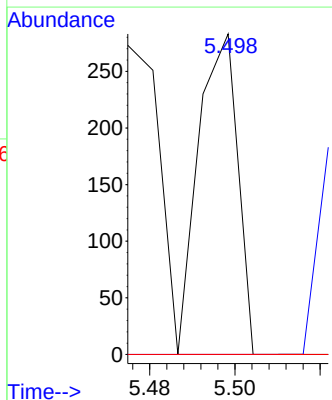
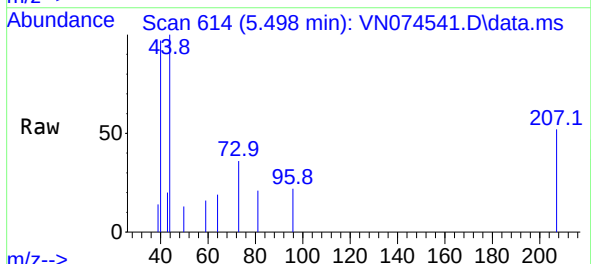
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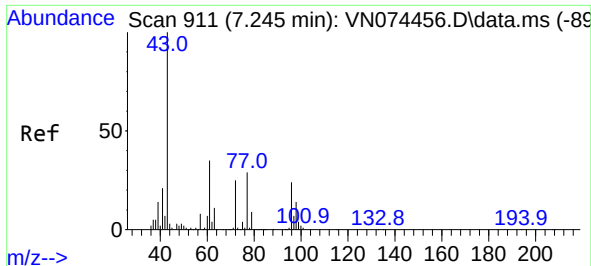
Tgt Ion: 43 Resp: 3729
Ion Ratio Lower Upper
43 100
74 9.8 21.6 32.4#



#21
trans-1,2-Dichloroethene
Concen: 0.469 ug/l
RT: 5.498 min Scan# 614
Delta R.T. -0.006 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

Tgt Ion: 96 Resp: 181
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 0.0 50.3 75.5#

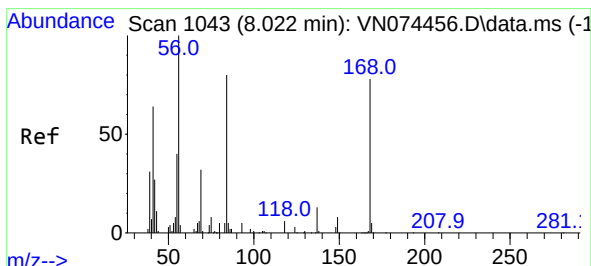
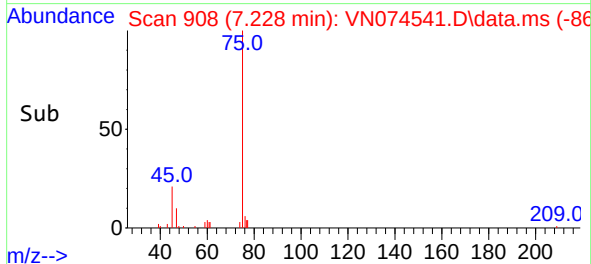
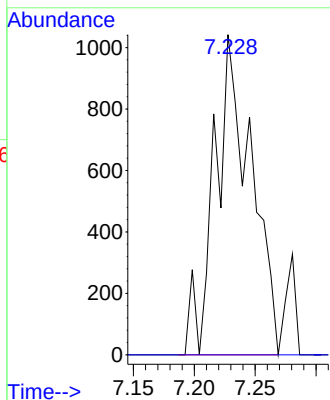
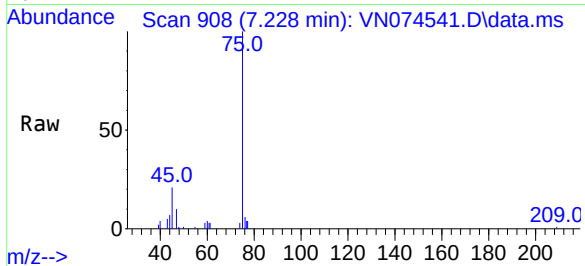




#26
2,2-Dichloropropane
Concen: 0.260 ug/l
RT: 7.228 min Scan# 90
Delta R.T. -0.017 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

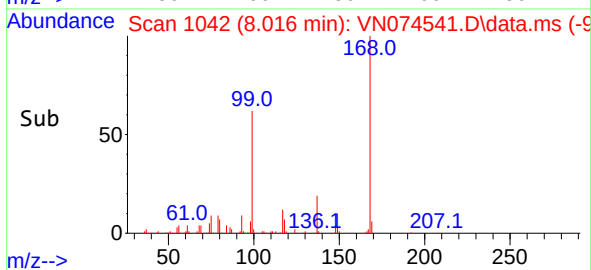
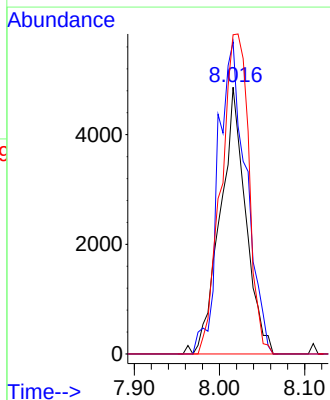
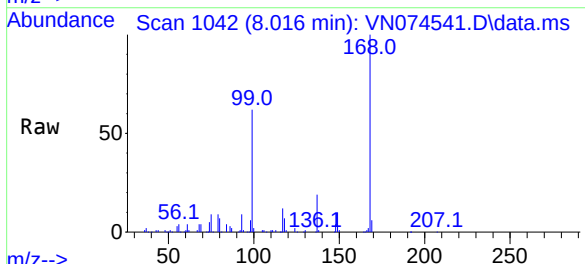
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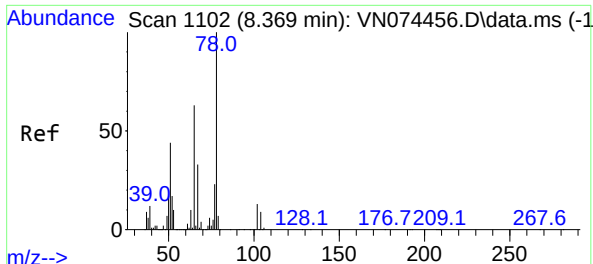
Tgt Ion: 77 Resp: 2172
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.095 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

Tgt Ion: 56 Resp: 10136
Ion Ratio Lower Upper
56 100
69 117.0 27.8 41.8#
84 119.7 76.9 115.3#

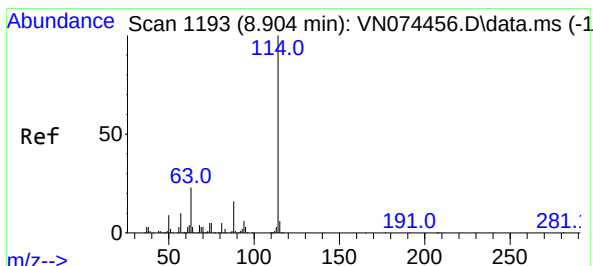
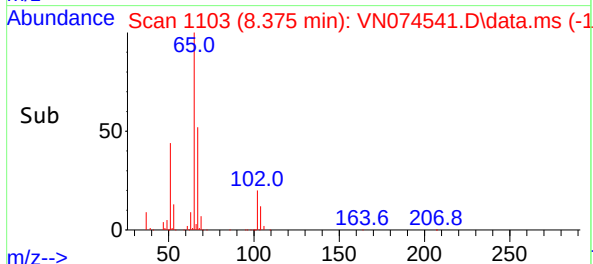
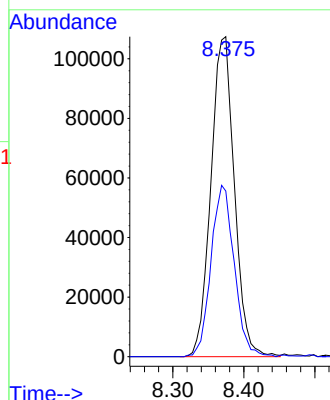
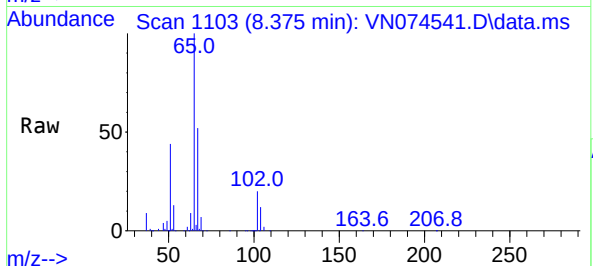




#33
1,2-Dichloroethane-d4
Concen: 47.203 ug/l
RT: 8.375 min Scan# 1102
Delta R.T. 0.006 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

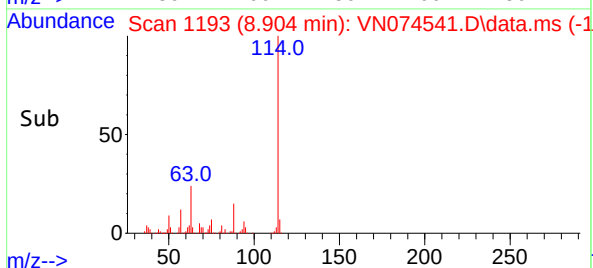
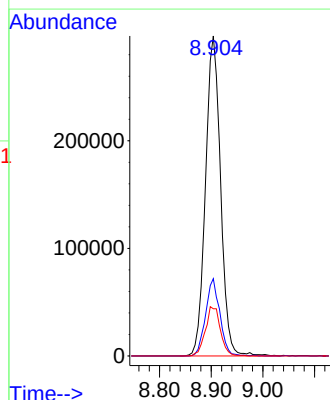
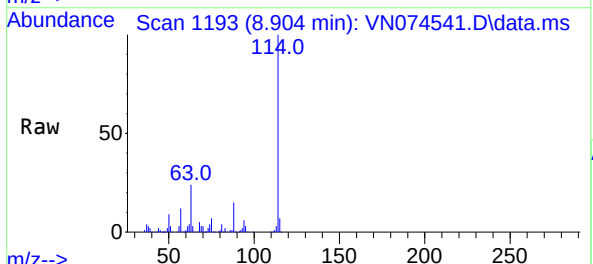
Instrument :
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ClientSampleId :
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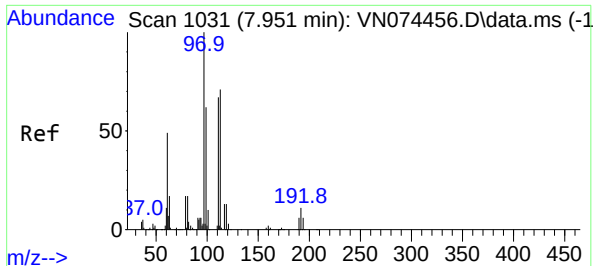
Tgt Ion: 65 Resp: 246235
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

Tgt Ion: 114 Resp: 602165
Ion Ratio Lower Upper
114 100
63 24.1 0.0 40.0
88 14.7 0.0 32.6

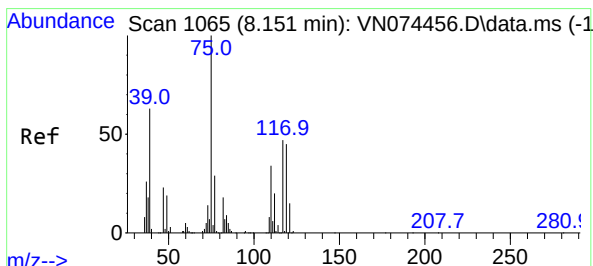
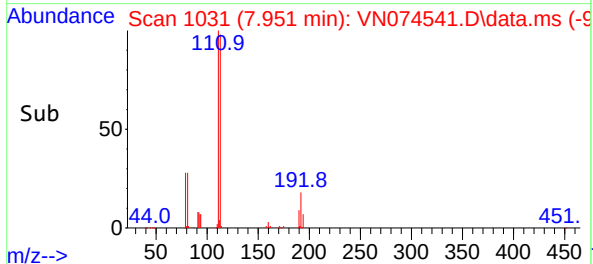
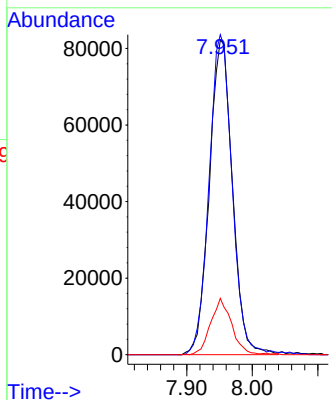
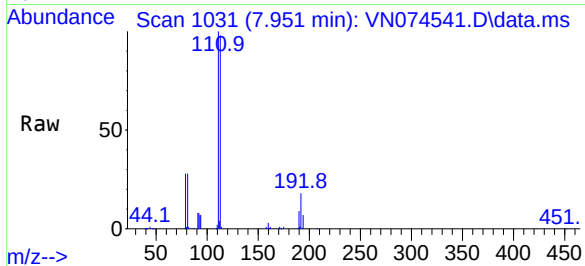




#35
Dibromofluoromethane
Concen: 50.305 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

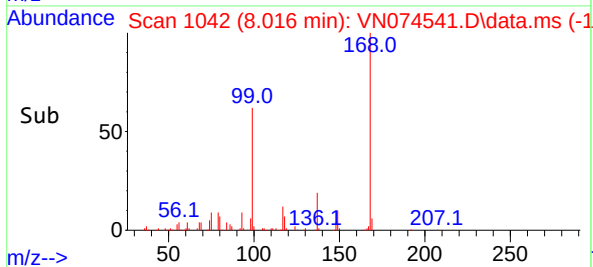
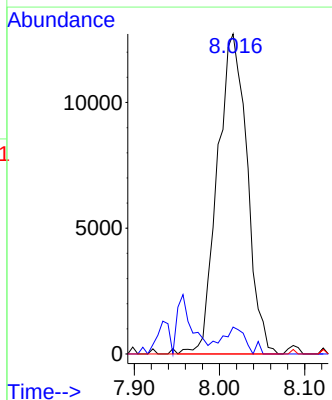
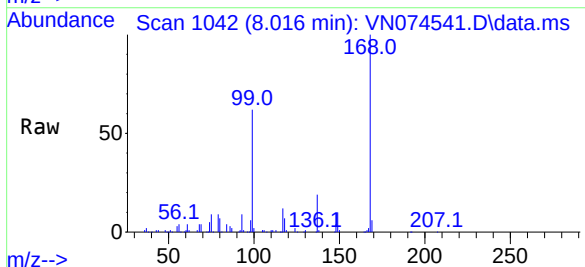
Instrument :
MSVOA_N
ClientSampleId :
MW-57

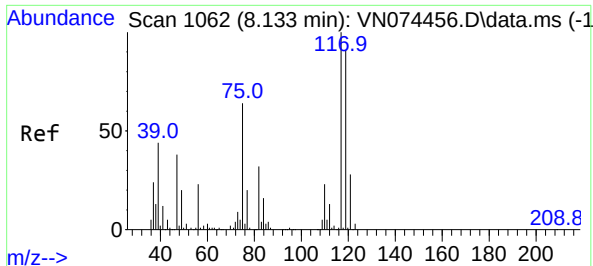
Tgt Ion:113 Resp: 201224
Ion Ratio Lower Upper
113 100
111 101.7 81.4 122.0
192 16.2 17.0 25.6#



#36
1,1-Dichloropropene
Concen: 4.339 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

Tgt Ion: 75 Resp: 30724
Ion Ratio Lower Upper
75 100
110 5.3 18.3 54.8#
77 0.0 25.1 37.7#

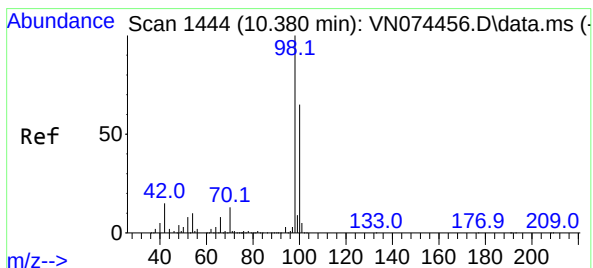
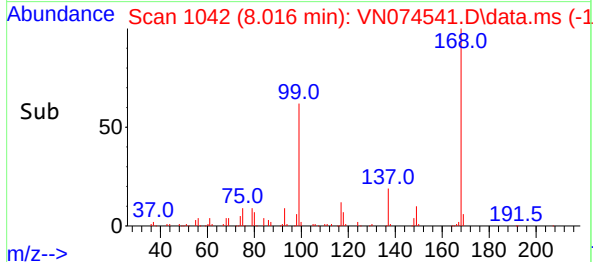
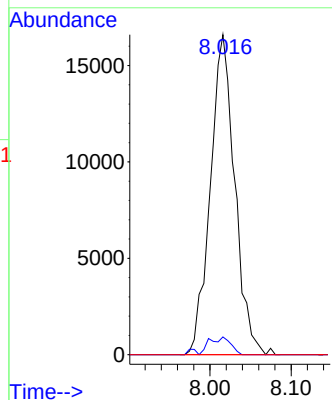
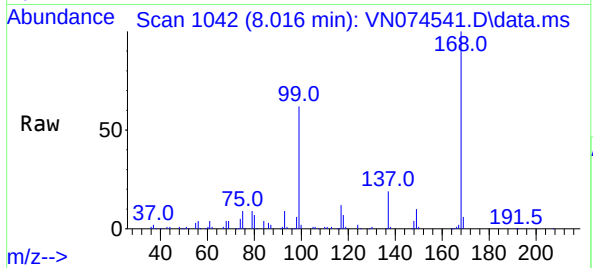




#38
Carbon Tetrachloride
Concen: 5.312 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

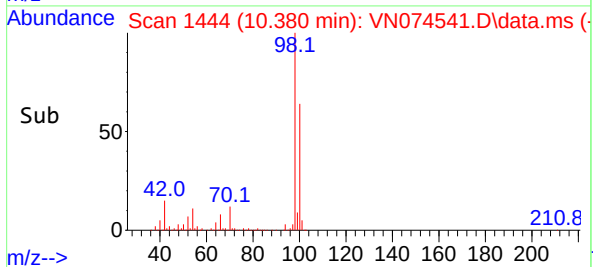
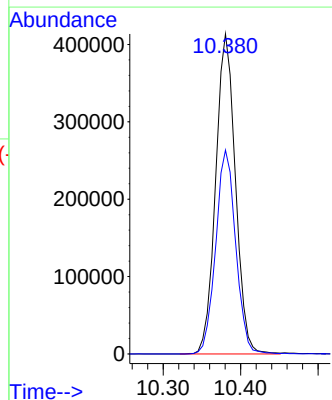
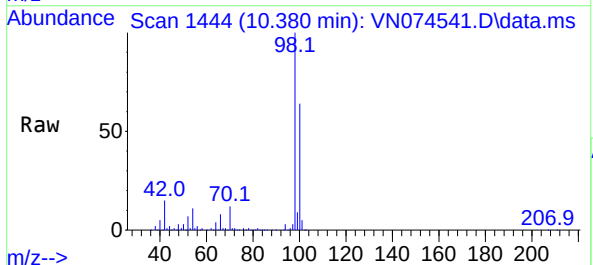
Instrument :
MSVOA_N
ClientSampleId :
MW-57

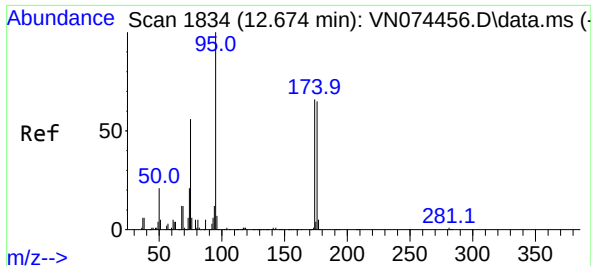
Tgt Ion:117 Resp: 34726
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 47.337 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

Tgt Ion: 98 Resp: 732287
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8

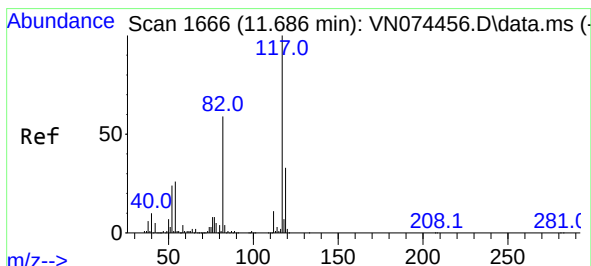
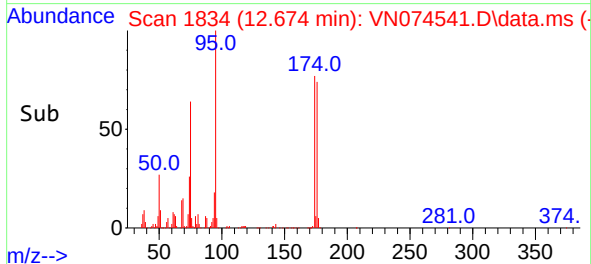
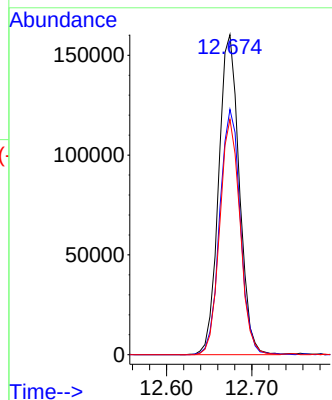
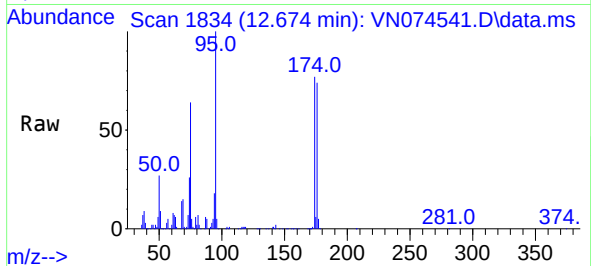




#62
4-Bromofluorobenzene
Concen: 50.992 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

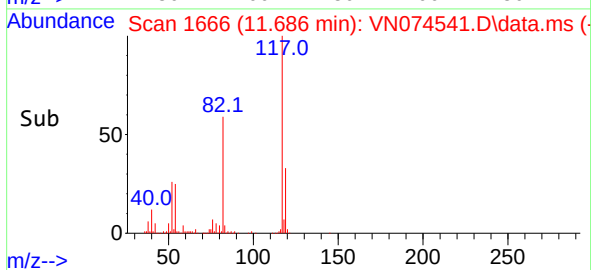
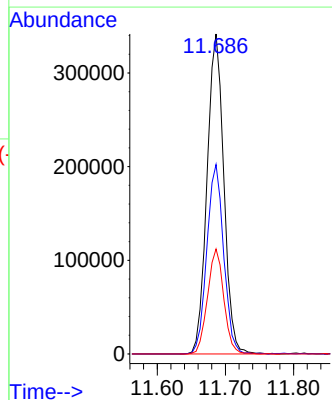
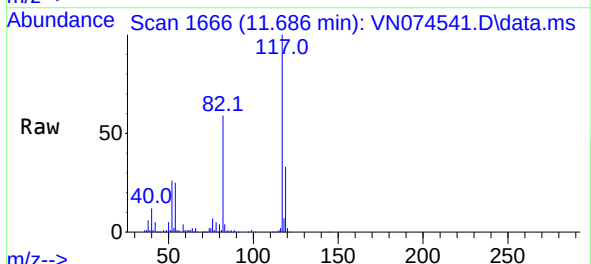
Instrument :
MSVOA_N
ClientSampleId :
MW-57

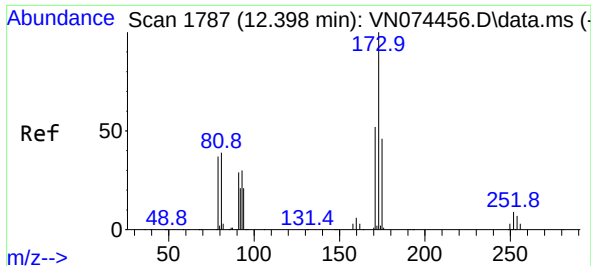
Tgt Ion: 95 Resp: 270170
Ion Ratio Lower Upper
95 100
174 76.5 0.0 167.6
176 72.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

Tgt Ion: 117 Resp: 585672
Ion Ratio Lower Upper
117 100
82 59.2 44.2 66.2
119 32.8 25.4 38.0

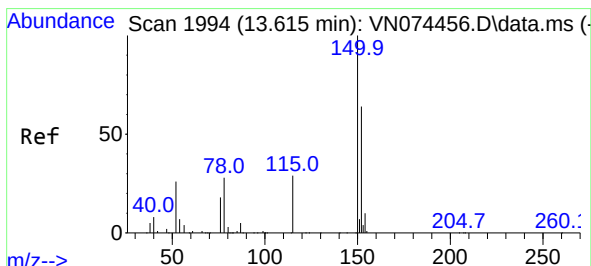
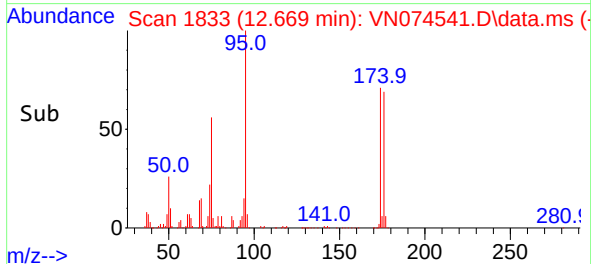
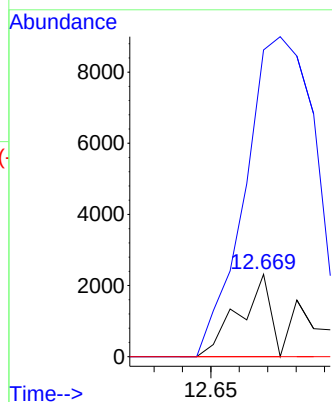
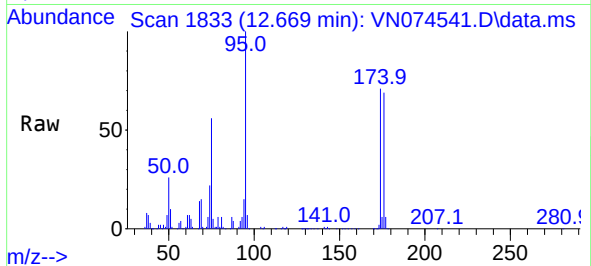




#71
Bromoform
Concen: 0.453 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

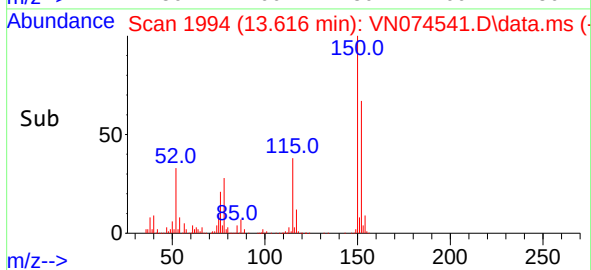
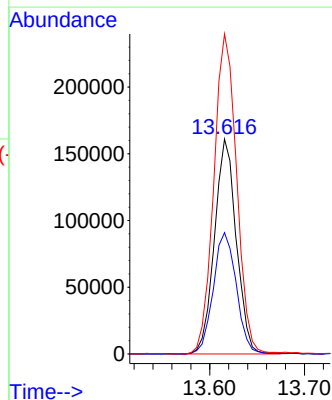
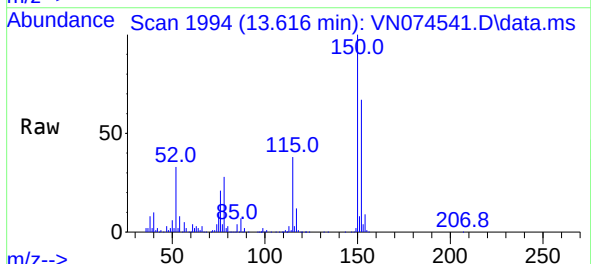
Instrument :
MSVOA_N
ClientSampleId :
MW-57

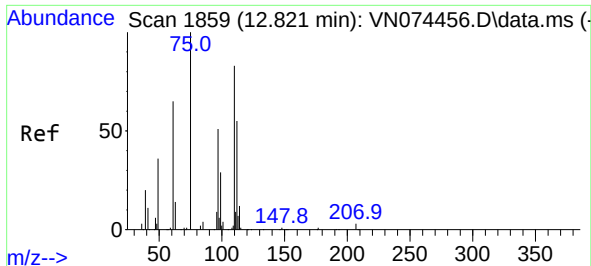
Tgt Ion:173 Resp: 1777
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

Tgt Ion:152 Resp: 258394
Ion Ratio Lower Upper
152 100
115 59.6 28.9 86.7
150 156.3 0.0 356.2

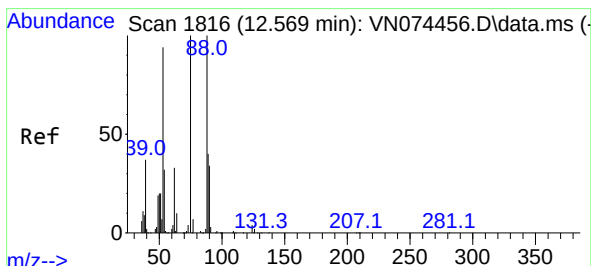
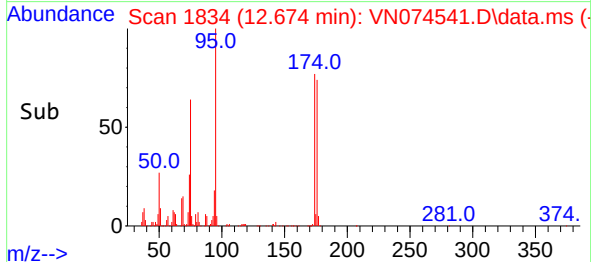
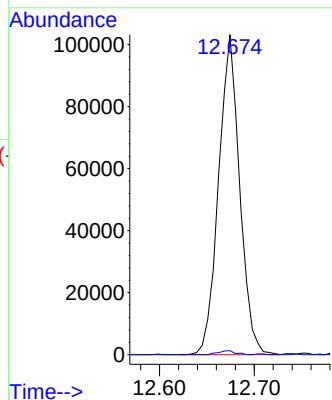
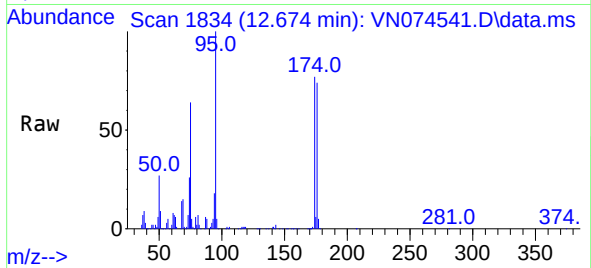




#76
1,2,3-Trichloropropane
Concen: 20.080 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

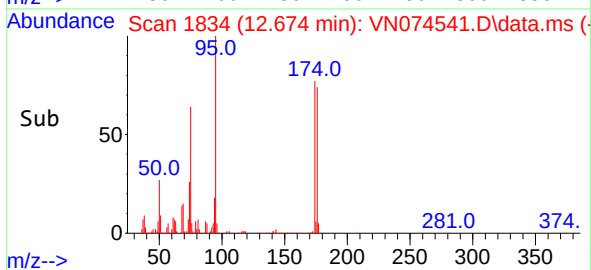
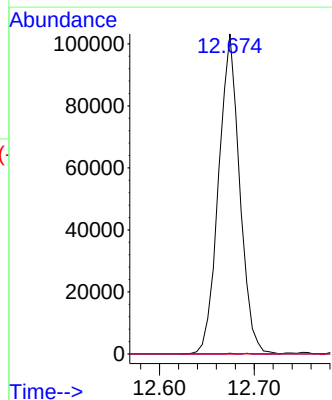
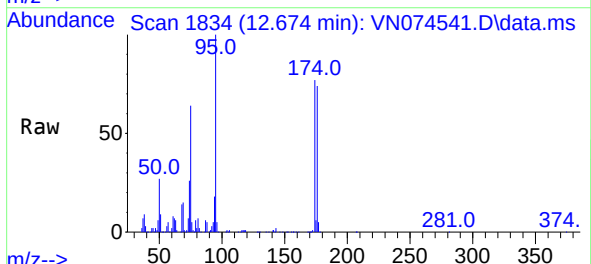
Instrument :
MSVOA_N
ClientSampleId :
MW-57

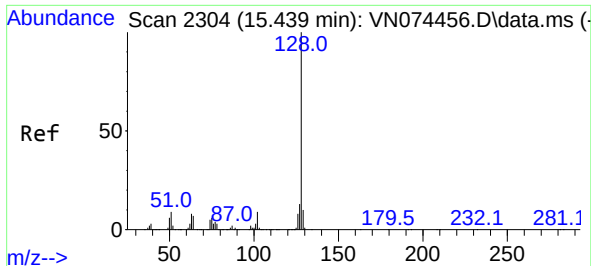
Tgt Ion: 75 Resp: 159704
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 43.338 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

Tgt Ion: 75 Resp: 159704
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

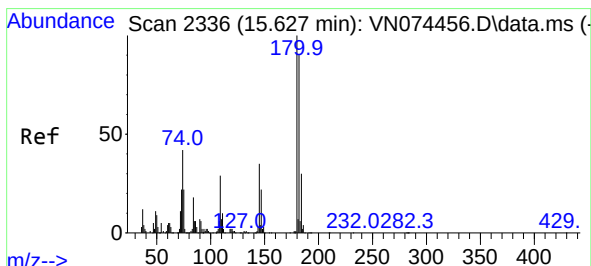
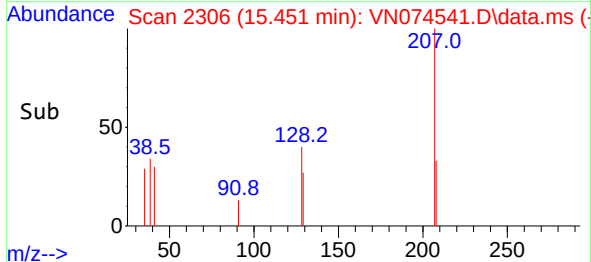
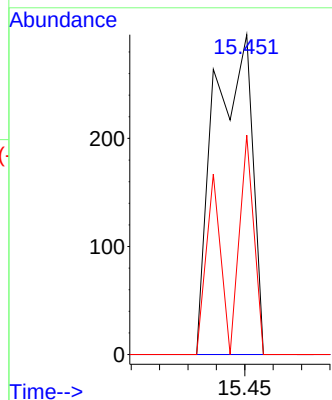
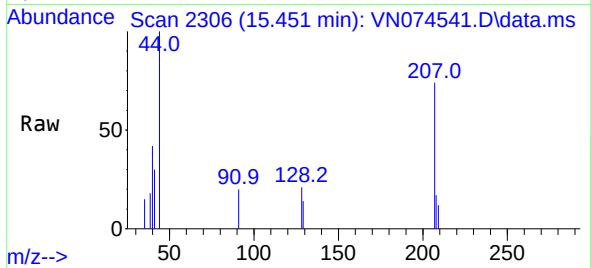




#95
Naphthalene
Concen: 1.601 ug/l
RT: 15.451 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

Instrument :
MSVOA_N
ClientSampleId :
MW-57

Tgt Ion:128 Resp: 274
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 21.5 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.348 ug/l
RT: 15.621 min Scan# 2335
Delta R.T. -0.006 min
Lab File: VN074541.D
Acq: 17 Sep 2022 04:33

Tgt Ion:180 Resp: 61
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 0.0 15.5 46.5#

