

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091622\
 Data File : VN074536.D
 Acq On : 17 Sep 2022 02:31
 Operator : JC\MD
 Sample : N4549-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-52

Quant Time: Sep 17 06:18:44 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)

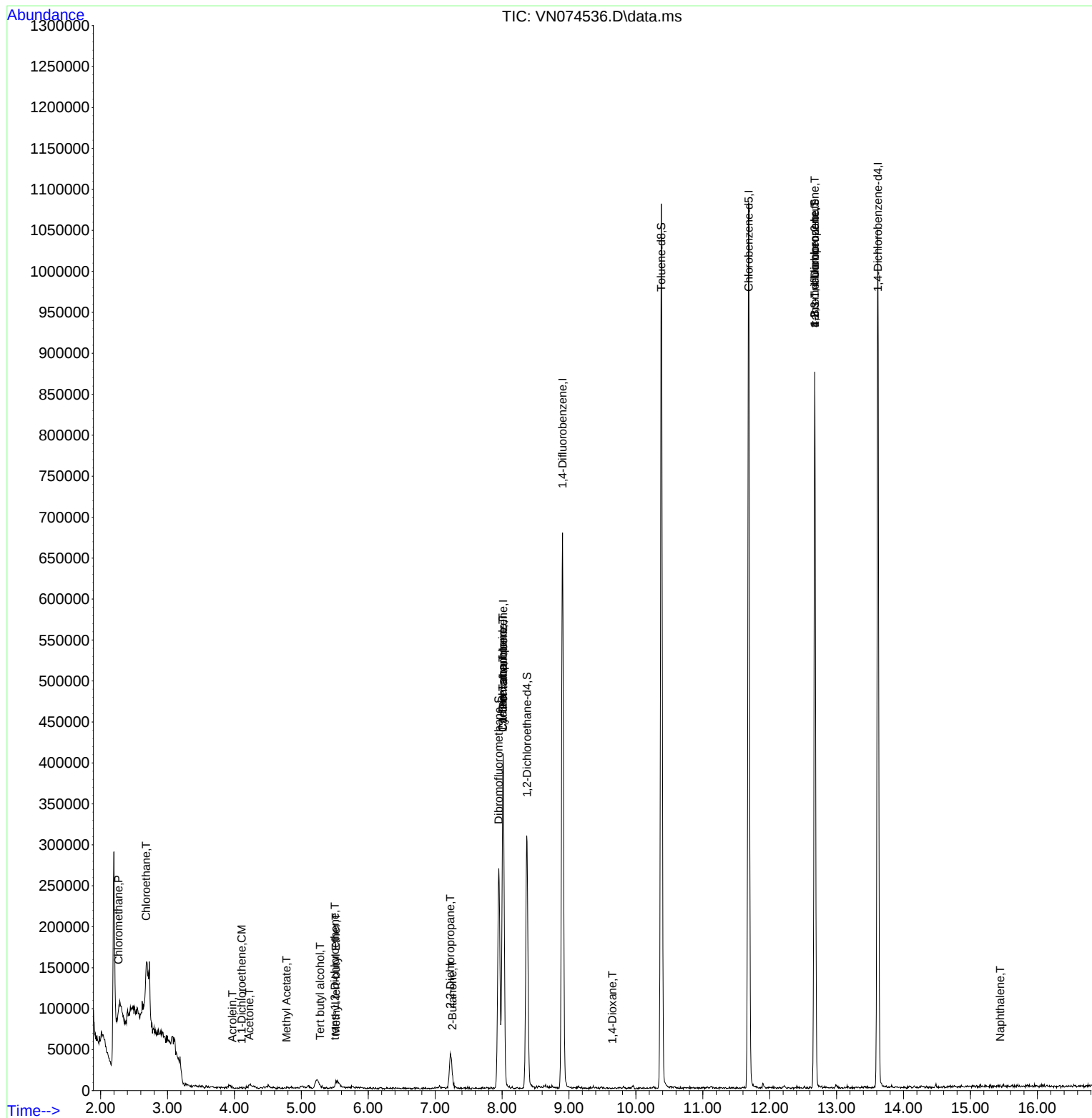
Internal Standards						
1) Pentafluorobenzene	8.016	168	291031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	554700	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	552312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	241585	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	227281	46.027	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.060%
35) Dibromofluoromethane	7.951	113	187640	50.923	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.840%
50) Toluene-d8	10.380	98	680331	47.741	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.480%
62) 4-Bromofluorobenzene	12.674	95	264432	54.179	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	108.360%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	2372	0.701	ug/l	97
6) Chloroethane	2.681	64	26554	6.819	ug/l #	66
11) Tert butyl alcohol	5.281	59	3295	2.048	ug/l #	77
12) 1,1-Dichloroethene	4.110	96	75	0.704	ug/l #	1
13) Acrolein	3.969	56	148	0.252	ug/l #	16
16) Acetone	4.222	43	6668	2.110	ug/l	92
18) Methyl Acetate	4.781	43	2775	0.283	ug/l	94
19) Methyl tert-butyl Ether	5.516	73	5550	0.344	ug/l #	70
21) trans-1,2-Dichloroethene	5.504	96	349	0.511	ug/l #	1
25) 2-Butanone	7.257	43	1483	0.283	ug/l #	45
26) 2,2-Dichloropropane	7.228	77	1853	0.234	ug/l #	53
28) Bromochloromethane	7.310	49	61	Below Cal	#	8
31) Cyclohexane	8.010	56	9801	1.118	ug/l #	54
36) 1,1-Dichloropropene	8.010	75	27440	4.207	ug/l #	52
38) Carbon Tetrachloride	8.010	117	31283	5.195	ug/l #	15
49) 1,4-Dioxane	9.651	88	99	0.736	ug/l #	1
76) 1,2,3-Trichloropropane	12.674	75	153430	20.633	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	153430	44.532	ug/l #	10
95) Naphthalene	15.445	128	1026	1.637	ug/l #	69

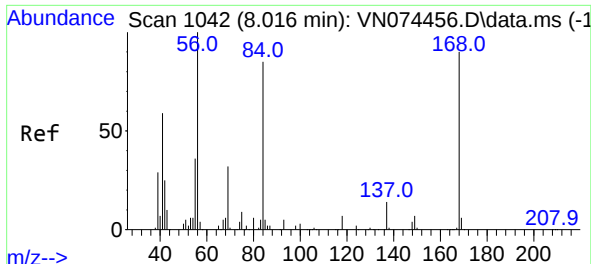
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 17 06:18:44 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

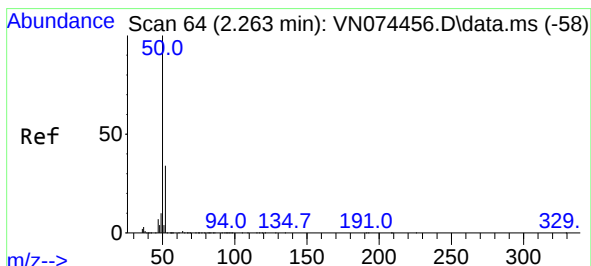
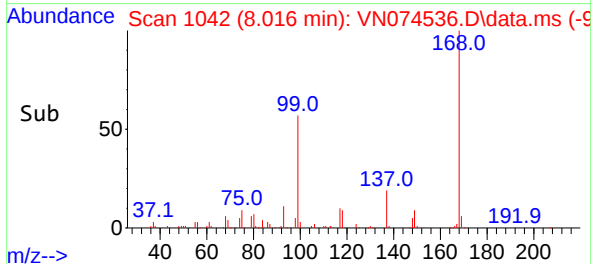
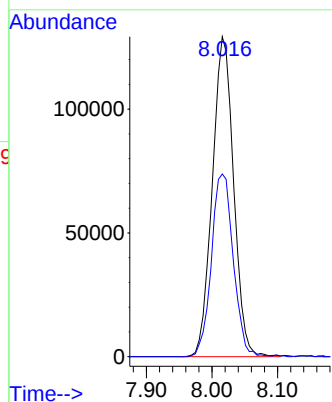
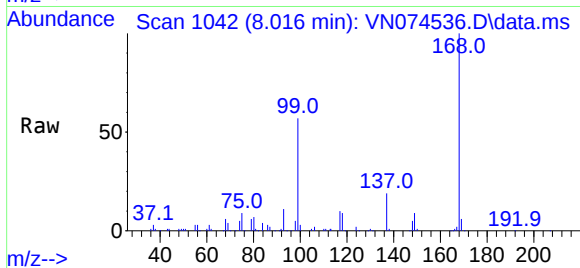




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074536.D
Acq: 17 Sep 2022 02:31

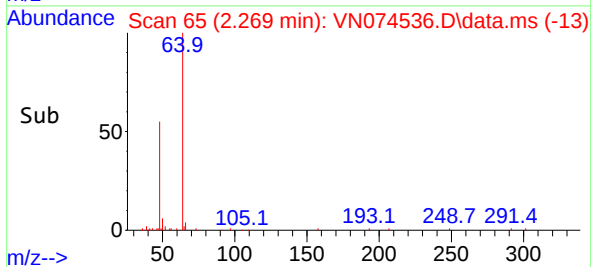
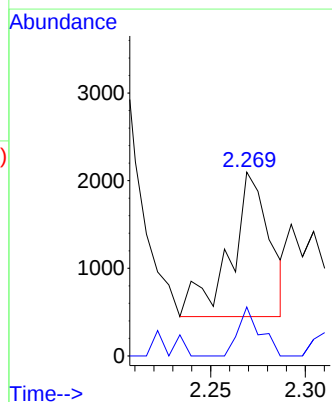
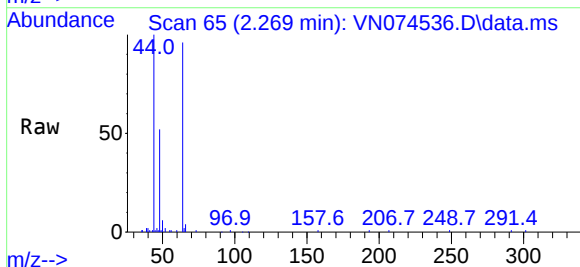
Instrument :
MSVOA_N
ClientSampleId :
MW-52

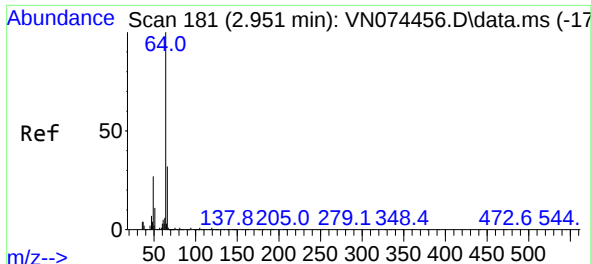
Tgt Ion:168 Resp: 291031
Ion Ratio Lower Upper
168 100
99 57.1 42.3 63.5



#3
Chloromethane
Concen: 0.701 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN074536.D
Acq: 17 Sep 2022 02:31

Tgt Ion: 50 Resp: 2372
Ion Ratio Lower Upper
50 100
52 33.9 25.7 38.5

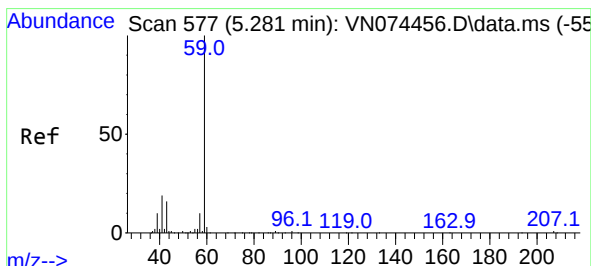
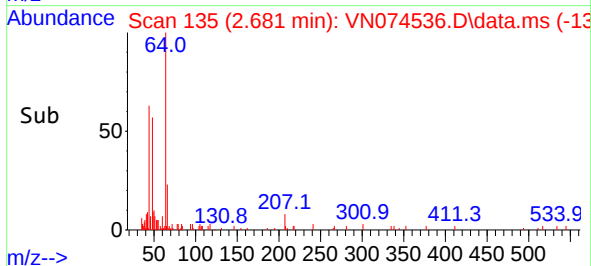
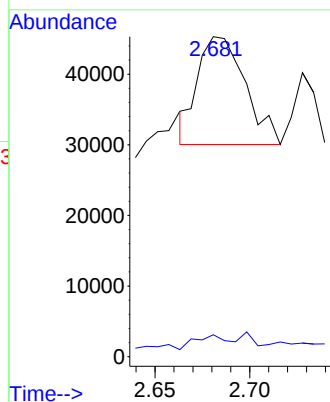
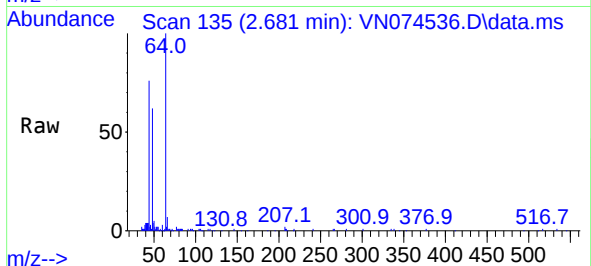




#6
Chloroethane
Concen: 6.819 ug/l
RT: 2.681 min Scan# 11
Delta R.T. -0.270 min
Lab File: VN074536.D
Acq: 17 Sep 2022 02:31

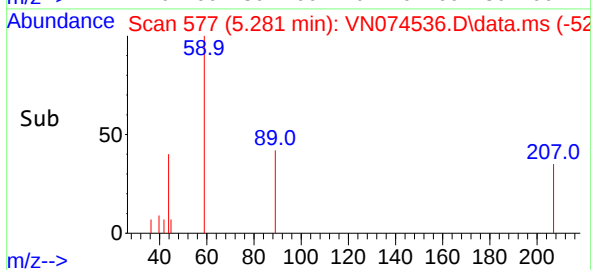
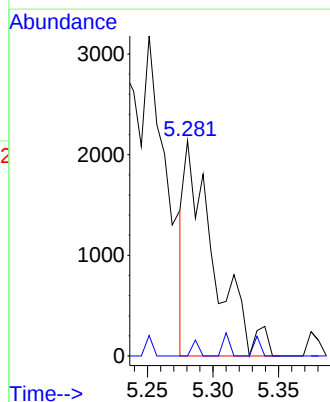
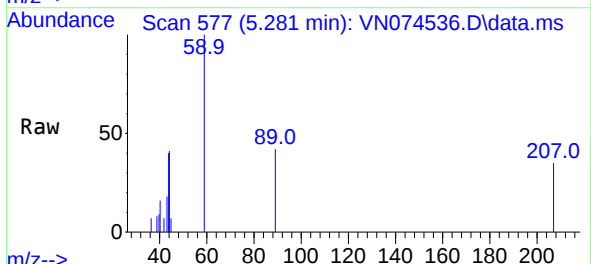
Instrument :
MSVOA_N
ClientSampleId :
MW-52

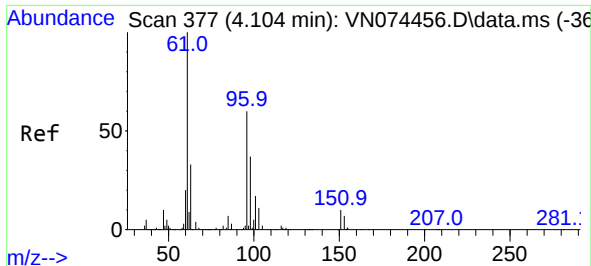
Tgt Ion: 64 Resp: 26554
Ion Ratio Lower Upper
64 100
66 13.8 26.2 39.4#



#11
Tert butyl alcohol
Concen: 2.048 ug/l
RT: 5.281 min Scan# 577
Delta R.T. -0.000 min
Lab File: VN074536.D
Acq: 17 Sep 2022 02:31

Tgt Ion: 59 Resp: 3295
Ion Ratio Lower Upper
59 100
57 1.7 8.3 12.5#

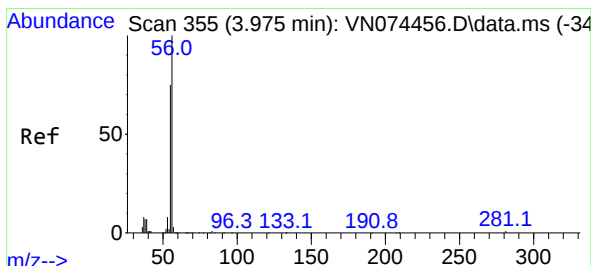
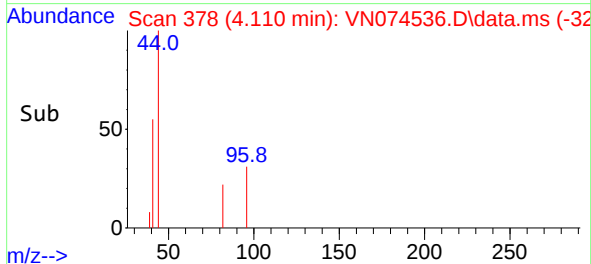
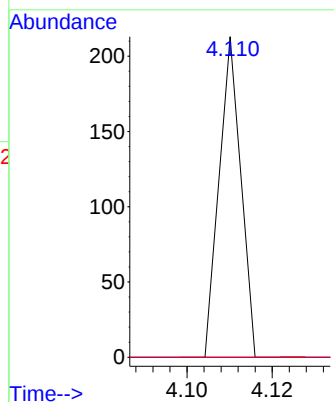
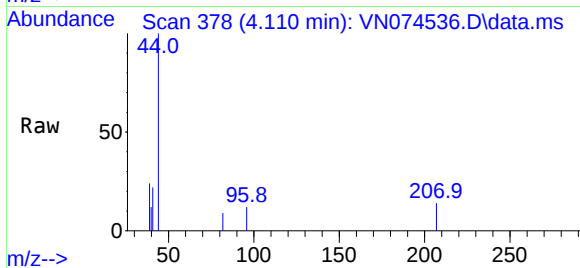




#12
1,1-Dichloroethene
Concen: 0.704 ug/l
RT: 4.110 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN074536.D
Acq: 17 Sep 2022 02:31

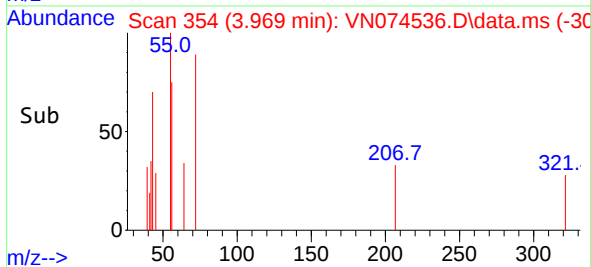
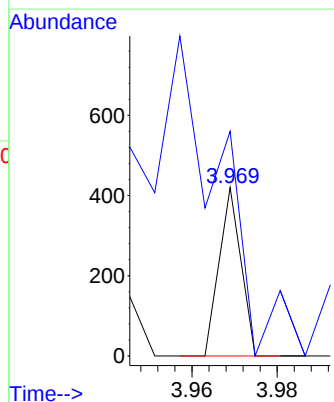
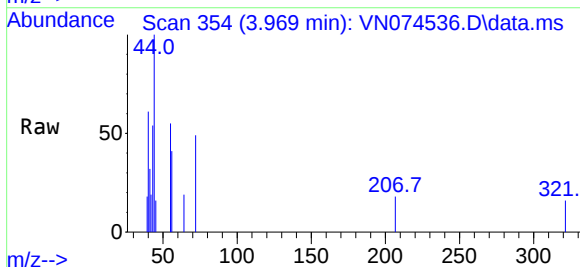
Instrument :
MSVOA_N
ClientSampleId :
MW-52

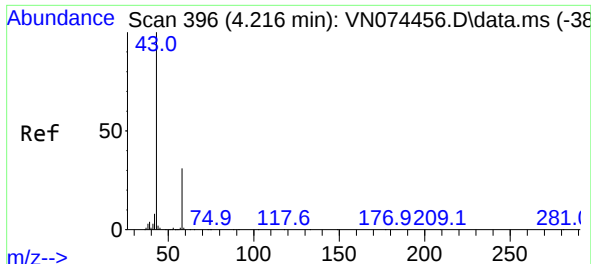
Tgt Ion: 96 Resp: 75
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#



#13
Acrolein
Concen: 0.252 ug/l
RT: 3.969 min Scan# 354
Delta R.T. -0.006 min
Lab File: VN074536.D
Acq: 17 Sep 2022 02:31

Tgt Ion: 56 Resp: 148
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#

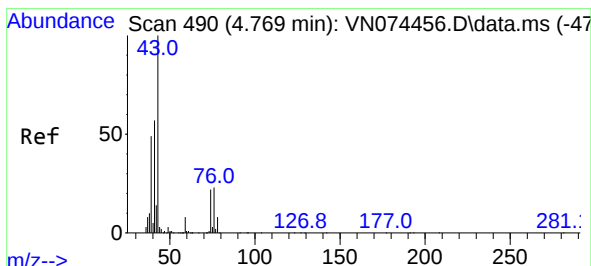
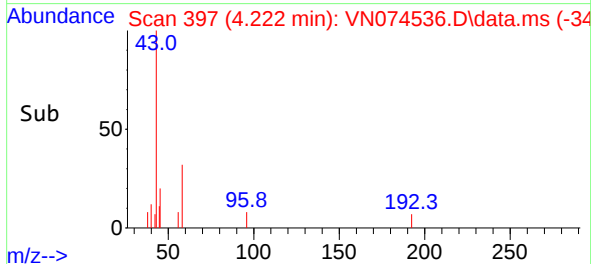
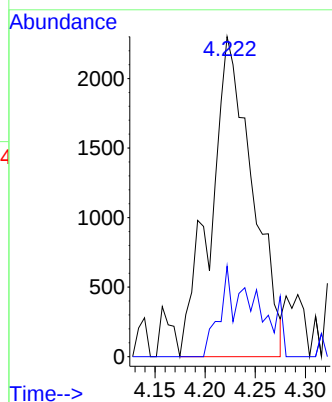
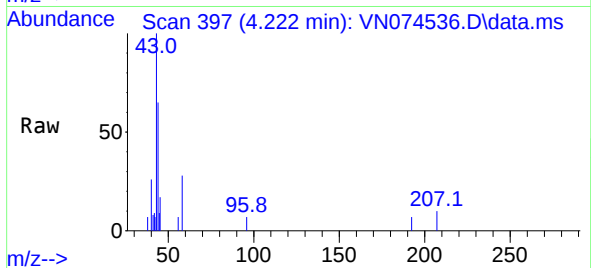




#16
Acetone
Concen: 2.110 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074536.D
Acq: 17 Sep 2022 02:31

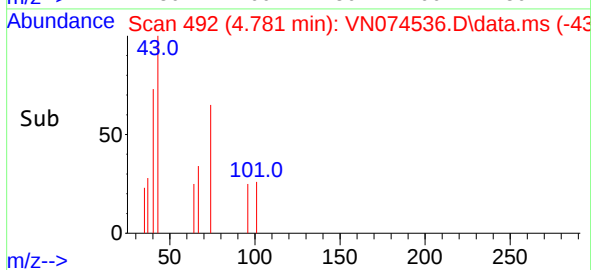
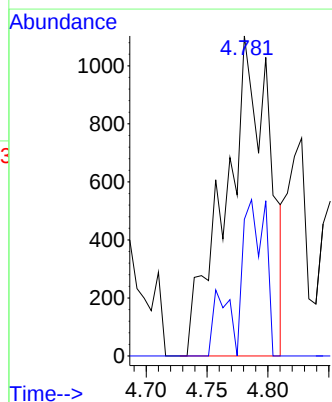
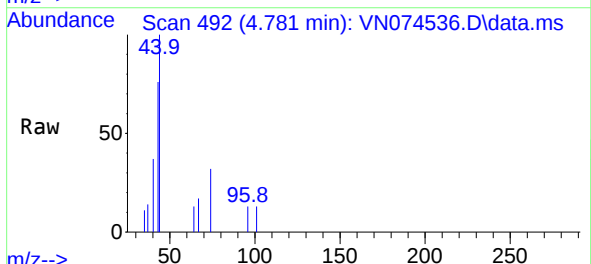
Instrument :
MSVOA_N
ClientSampleId :
MW-52

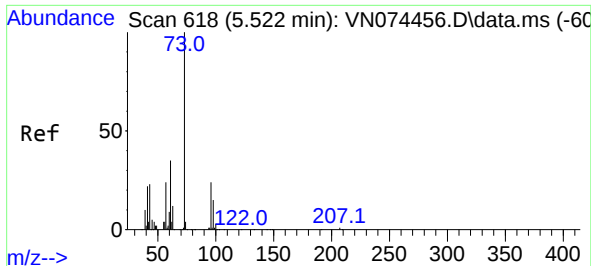
Tgt Ion: 43 Resp: 6668
Ion Ratio Lower Upper
43 100
58 28.2 26.0 39.0



#18
Methyl Acetate
Concen: 0.283 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.012 min
Lab File: VN074536.D
Acq: 17 Sep 2022 02:31

Tgt Ion: 43 Resp: 2775
Ion Ratio Lower Upper
43 100
74 24.0 21.6 32.4





#19

Methyl tert-butyl Ether

Concen: 0.344 ug/l

RT: 5.516 min Scan# 618

Delta R.T. -0.006 min

Lab File: VN074536.D

Acq: 17 Sep 2022 02:31

Instrument :

MSVOA_N

ClientSampleId :

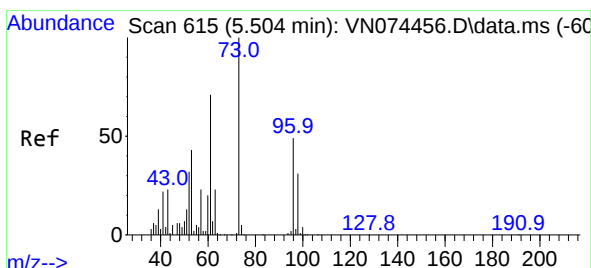
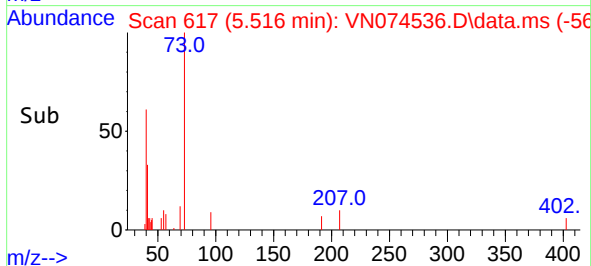
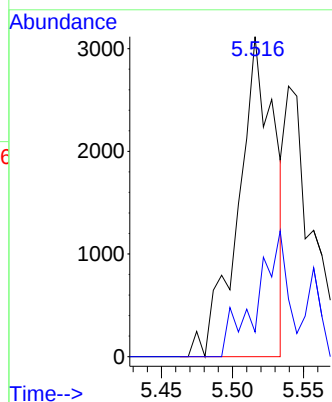
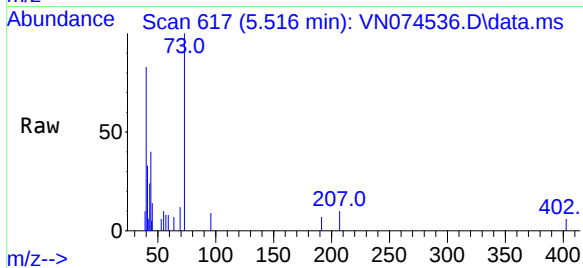
MW-52

Tgt Ion: 73 Resp: 5550

Ion Ratio Lower Upper

73 100

57 7.7 17.6 26.4#



#21

trans-1,2-Dichloroethene

Concen: 0.511 ug/l

RT: 5.504 min Scan# 615

Delta R.T. 0.000 min

Lab File: VN074536.D

Acq: 17 Sep 2022 02:31

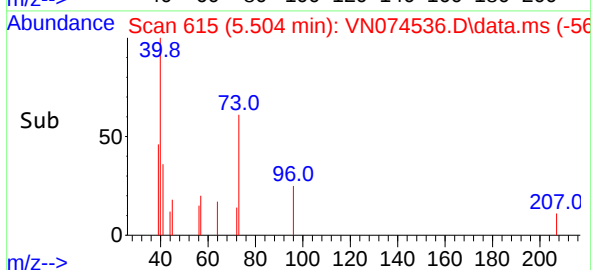
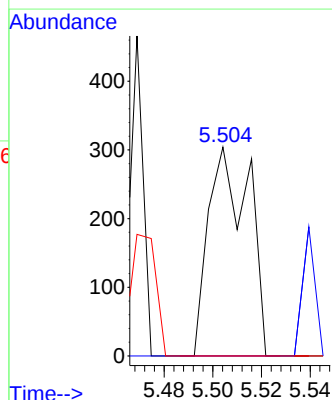
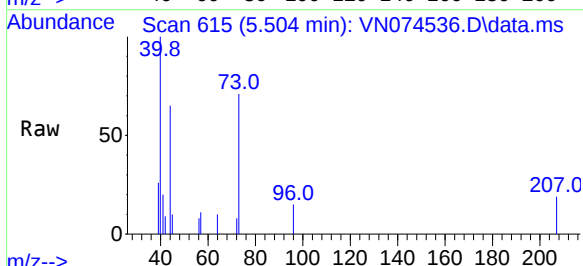
Tgt Ion: 96 Resp: 349

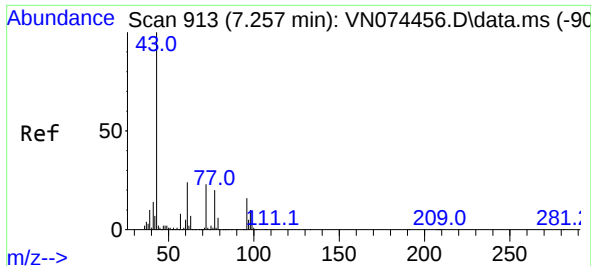
Ion Ratio Lower Upper

96 100

61 0.0 105.8 158.8#

98 0.0 50.3 75.5#

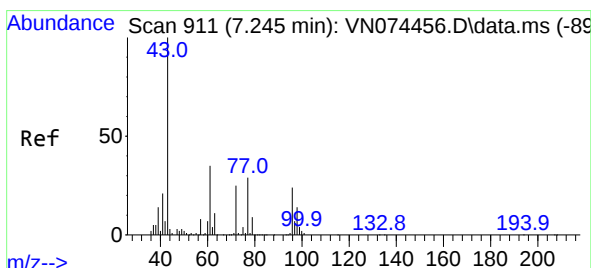
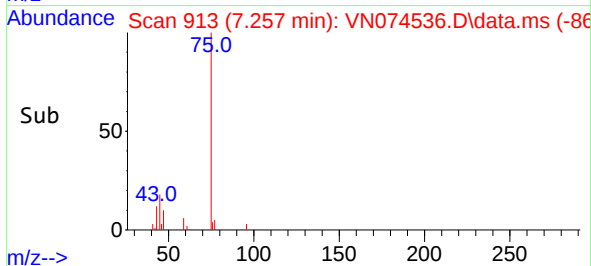
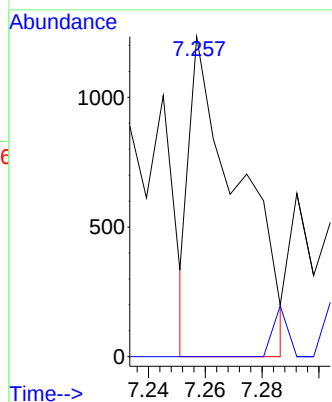
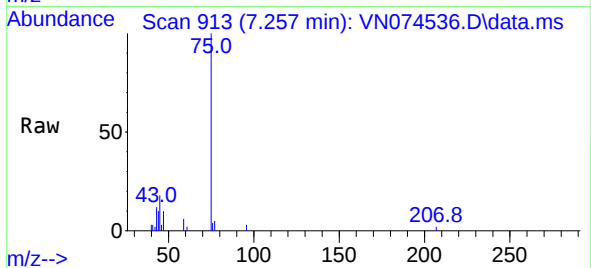




#25
2-Butanone
Concen: 0.283 ug/l
RT: 7.257 min Scan# 913
Delta R.T. -0.000 min
Lab File: VN074536.D
Acq: 17 Sep 2022 02:31

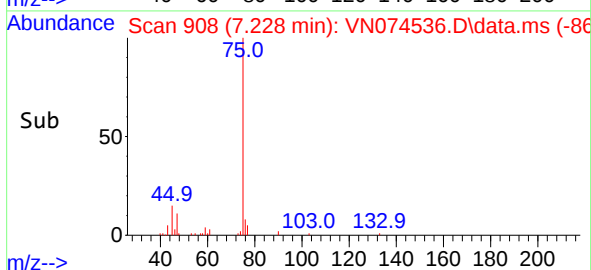
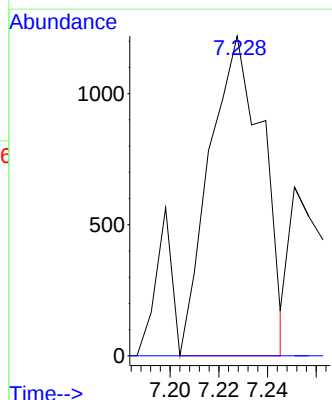
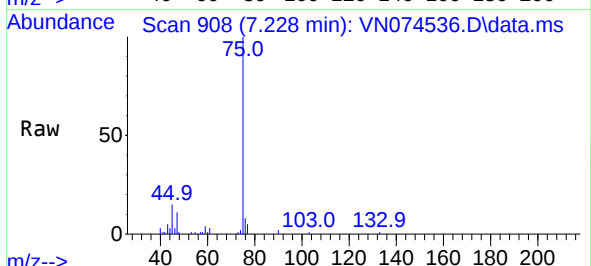
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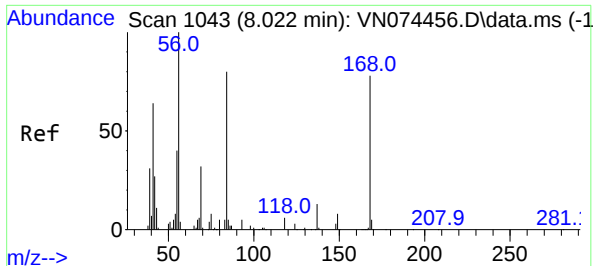
Tgt Ion: 43 Resp: 1483
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.234 ug/l
RT: 7.228 min Scan# 908
Delta R.T. -0.017 min
Lab File: VN074536.D
Acq: 17 Sep 2022 02:31

Tgt Ion: 77 Resp: 1853
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#

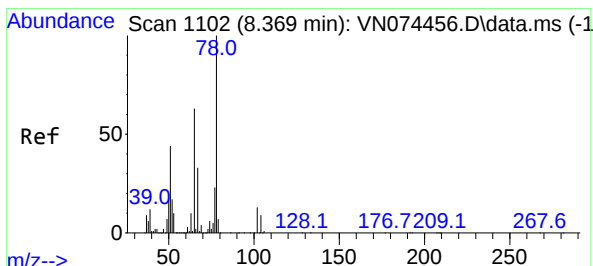
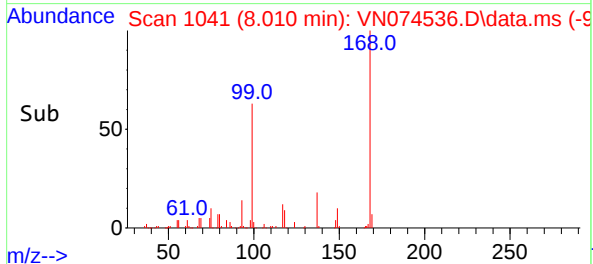
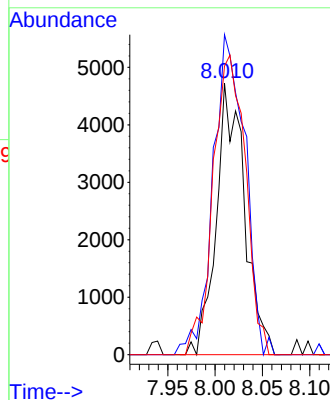
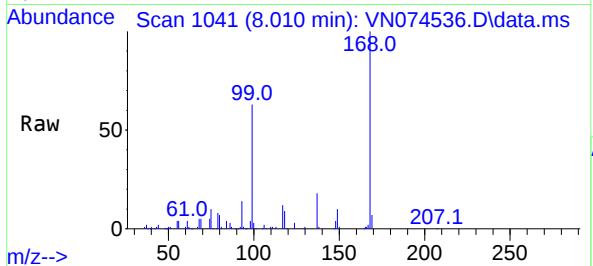




#31
Cyclohexane
Concen: 1.118 ug/l
RT: 8.010 min Scan# 1103
Delta R.T. -0.012 min
Lab File: VN074536.D
Acq: 17 Sep 2022 02:31

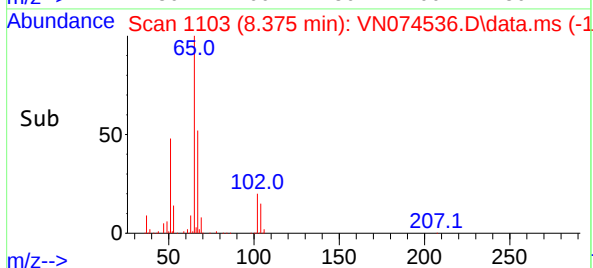
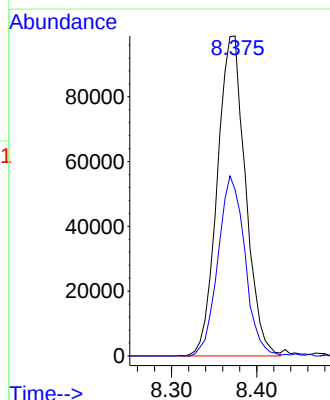
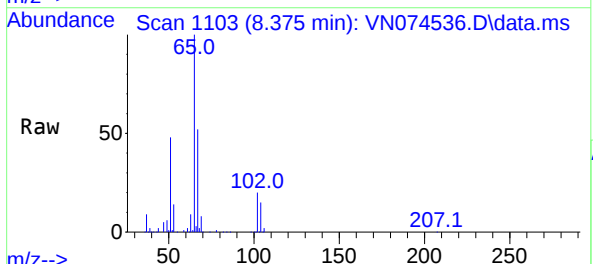
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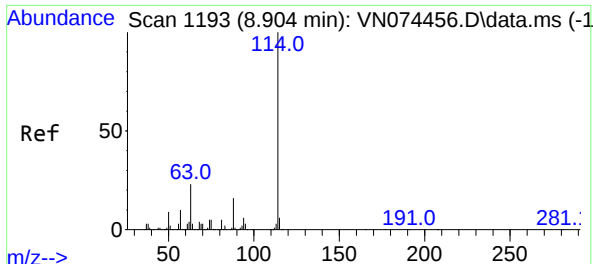
Tgt Ion: 56 Resp: 9801
Ion Ratio Lower Upper
56 100
69 117.9 27.8 41.8#
84 106.3 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 46.027 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074536.D
Acq: 17 Sep 2022 02:31

Tgt Ion: 65 Resp: 227281
Ion Ratio Lower Upper
65 100
67 53.8 0.0 104.8

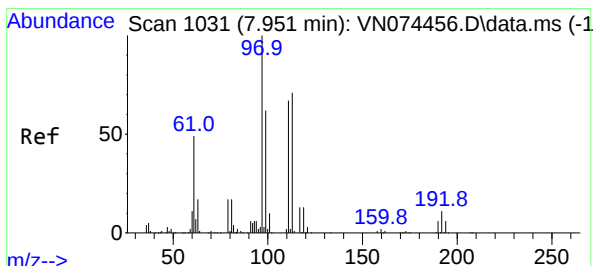
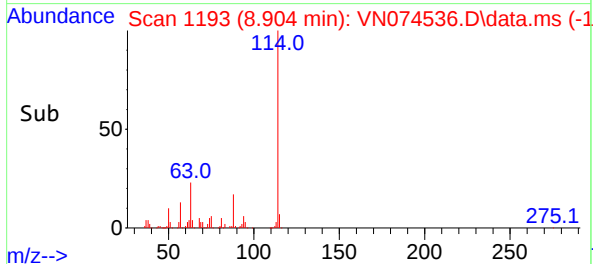
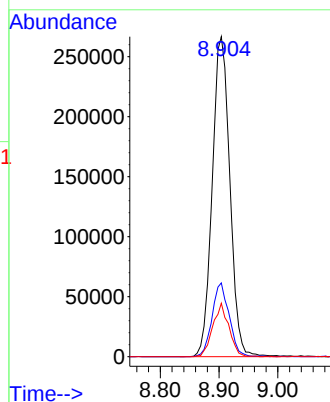
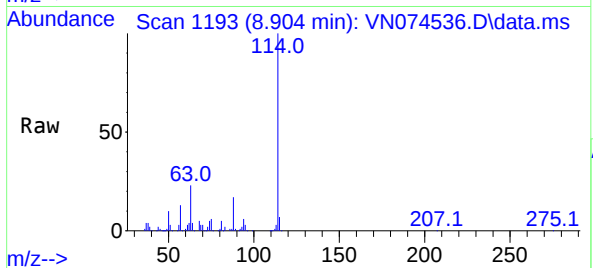




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN074536.D
Acq: 17 Sep 2022 02:31

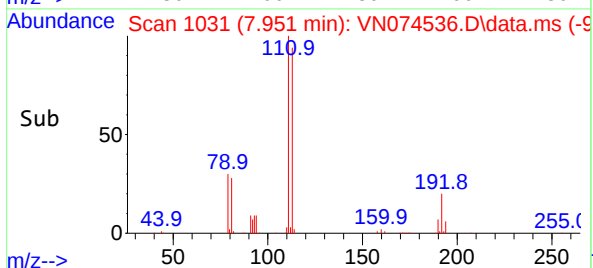
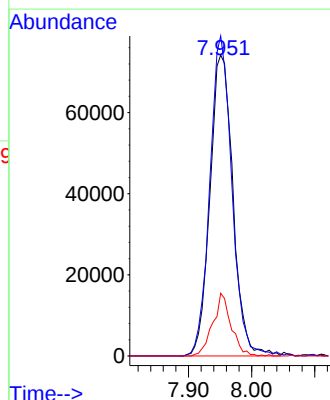
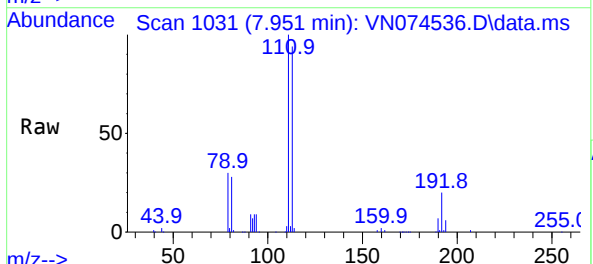
Instrument :
MSVOA_N
ClientSampleId :
MW-52

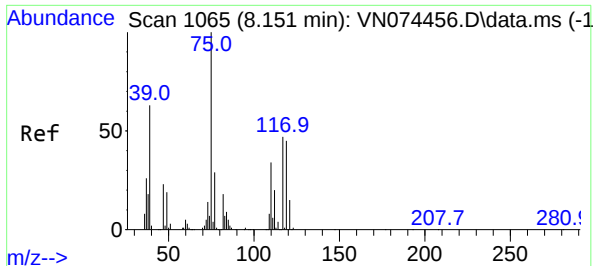
Tgt Ion:114 Resp: 554700
Ion Ratio Lower Upper
114 100
63 23.1 0.0 40.0
88 16.7 0.0 32.6



#35
Dibromofluoromethane
Concen: 50.923 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074536.D
Acq: 17 Sep 2022 02:31

Tgt Ion:113 Resp: 187640
Ion Ratio Lower Upper
113 100
111 102.1 81.4 122.0
192 16.5 17.0 25.6#

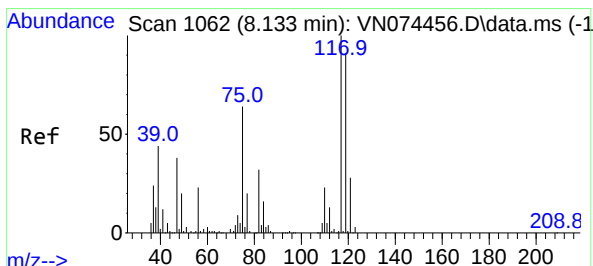
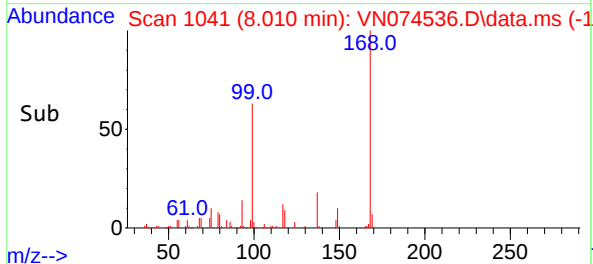
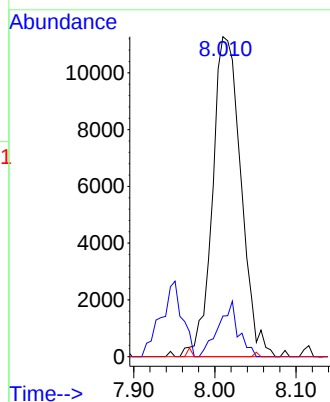
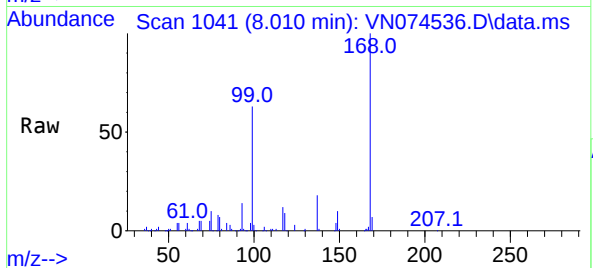




#36
1,1-Dichloropropene
Concen: 4.207 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.141 min
Lab File: VN074536.D
Acq: 17 Sep 2022 02:31

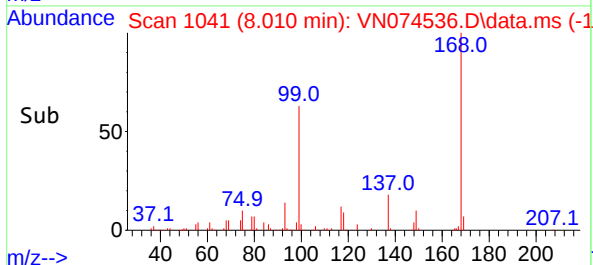
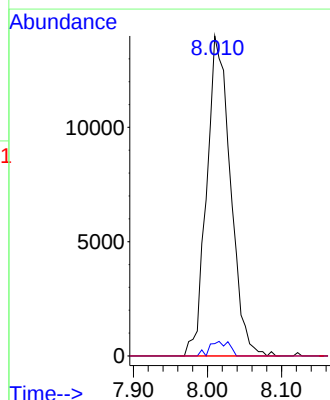
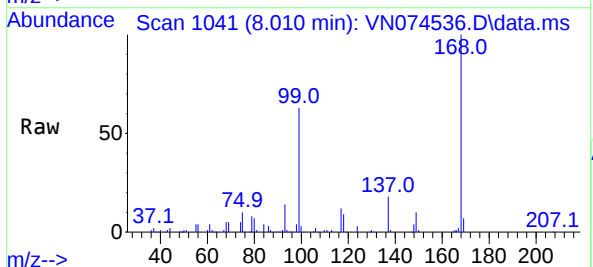
Instrument :
MSVOA_N
ClientSampleId :
MW-52

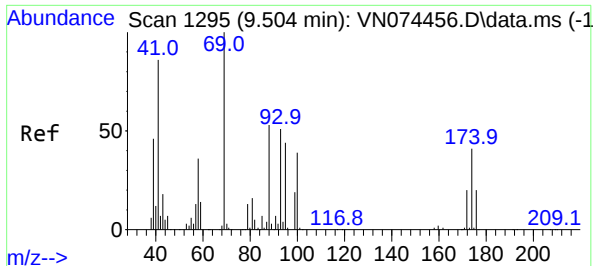
Tgt Ion: 75 Resp: 27440
Ion Ratio Lower Upper
75 100
110 12.2 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.195 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.123 min
Lab File: VN074536.D
Acq: 17 Sep 2022 02:31

Tgt Ion: 117 Resp: 31283
Ion Ratio Lower Upper
117 100
119 3.8 75.8 113.8#
121 0.0 24.6 37.0#

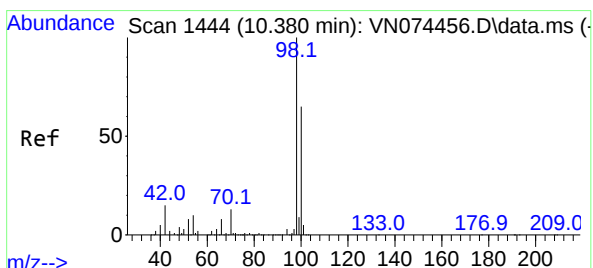
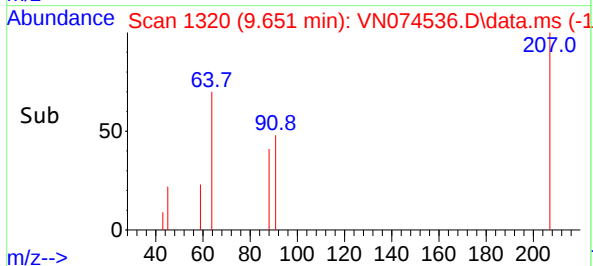
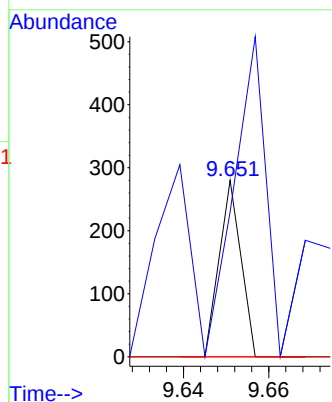
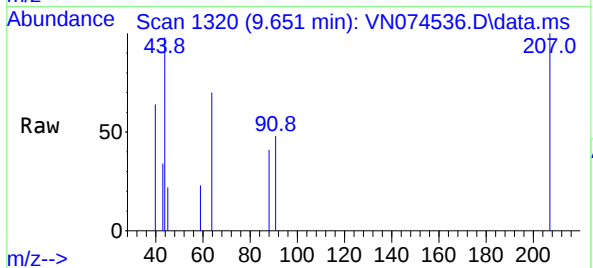




#49
1,4-Dioxane
Concen: 0.736 ug/l
RT: 9.651 min Scan# 11
Delta R.T. 0.147 min
Lab File: VN074536.D
Acq: 17 Sep 2022 02:31

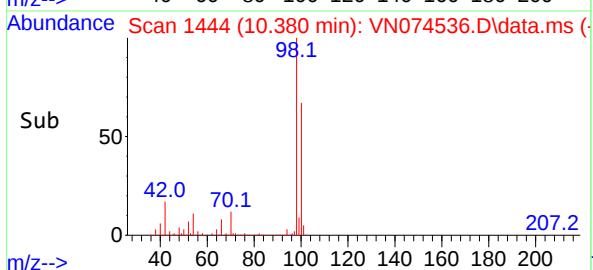
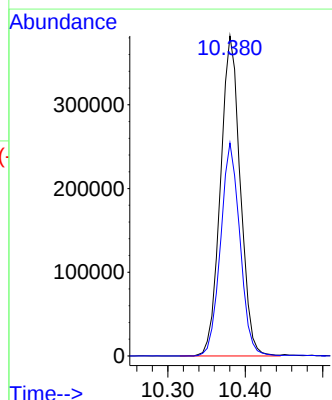
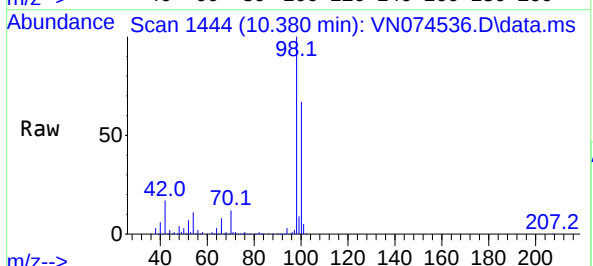
Instrument :
MSVOA_N
ClientSampleId :
MW-52

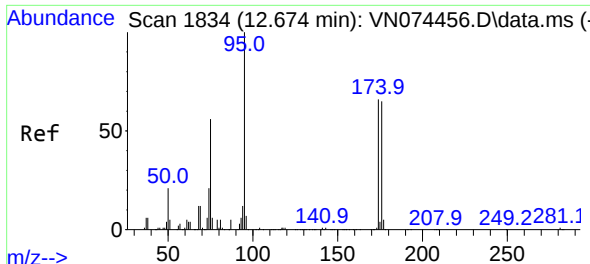
Tgt Ion: 88 Resp: 99
Ion Ratio Lower Upper
88 100
43 389.9 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 47.741 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074536.D
Acq: 17 Sep 2022 02:31

Tgt Ion: 98 Resp: 680331
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8

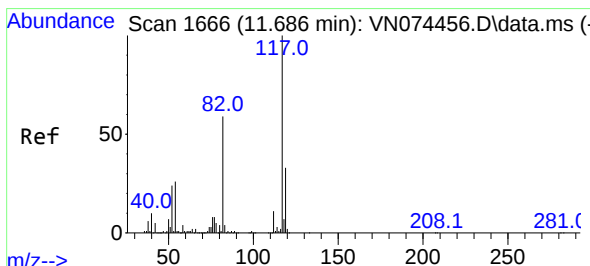
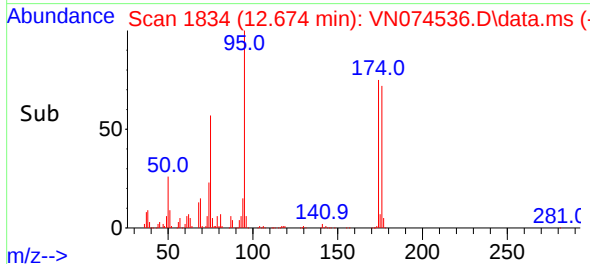
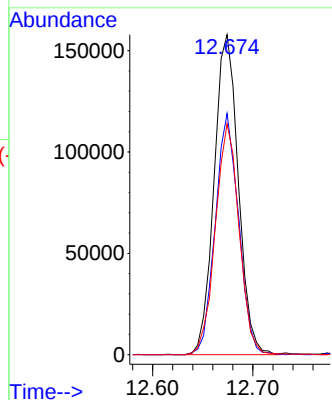
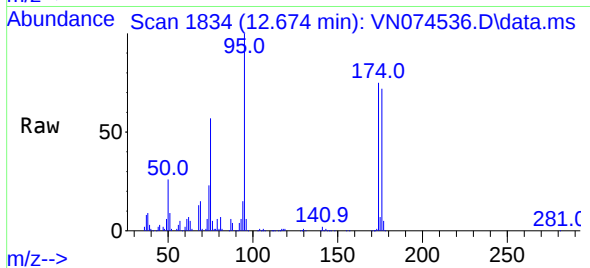




#62
4-Bromofluorobenzene
Concen: 54.179 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074536.D
Acq: 17 Sep 2022 02:31

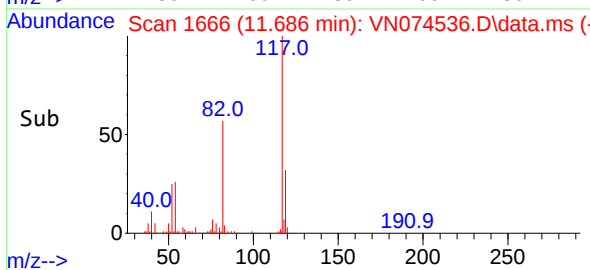
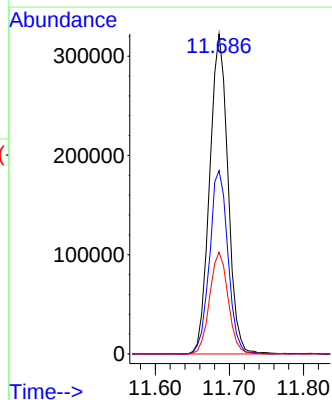
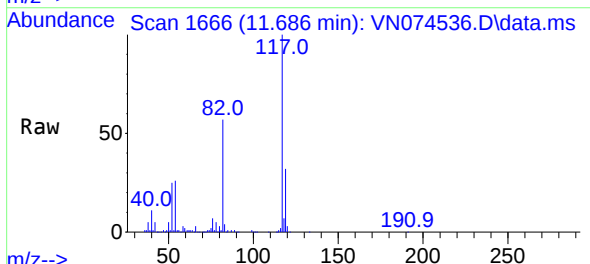
Instrument :
MSVOA_N
ClientSampleId :
MW-52

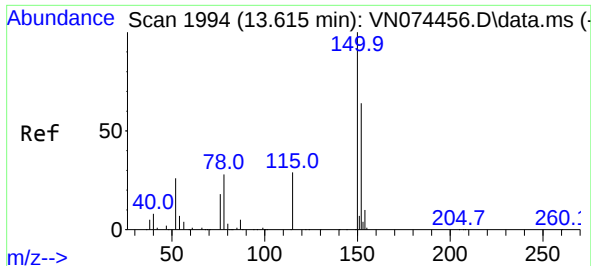
Tgt Ion: 95 Resp: 264432
Ion Ratio Lower Upper
95 100
174 72.8 0.0 167.6
176 70.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074536.D
Acq: 17 Sep 2022 02:31

Tgt Ion: 117 Resp: 552312
Ion Ratio Lower Upper
117 100
82 57.3 44.2 66.2
119 31.8 25.4 38.0

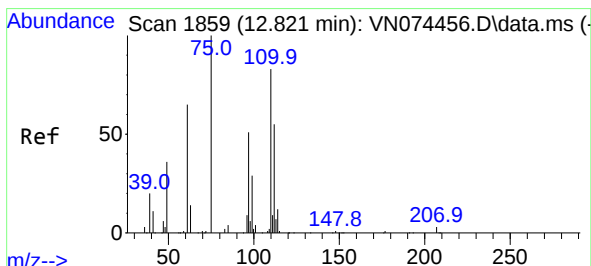
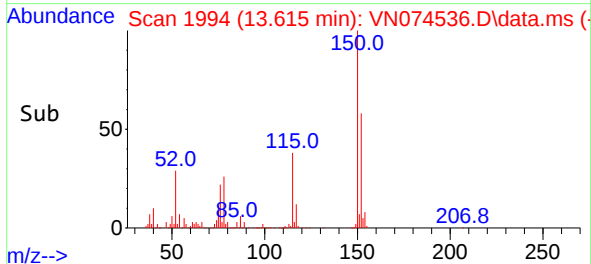
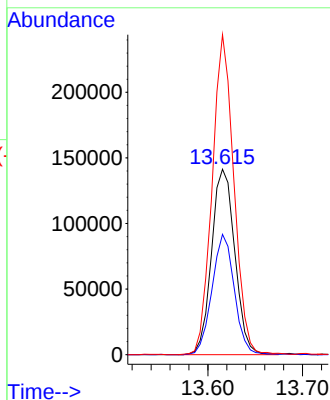
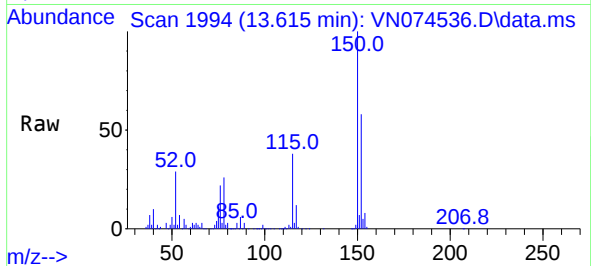




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.615 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: VN074536.D
 Acq: 17 Sep 2022 02:31

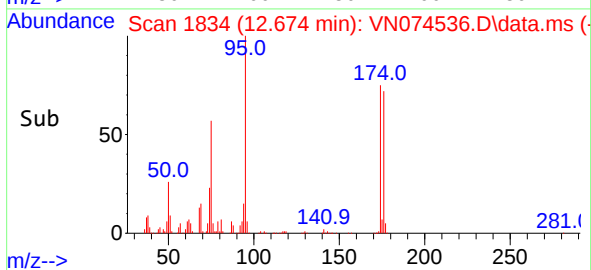
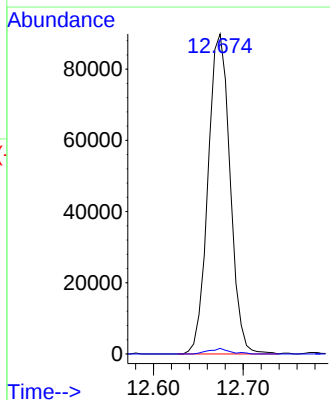
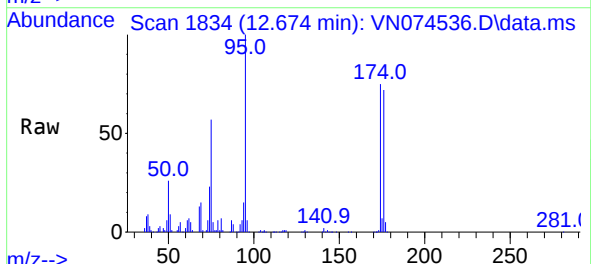
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-52

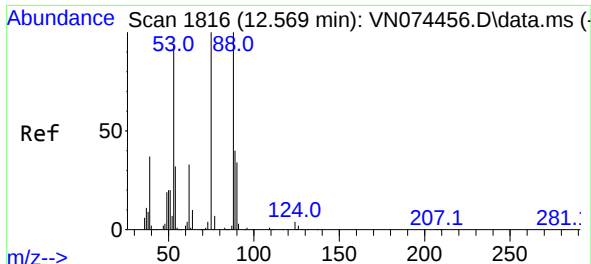
Tgt Ion:152 Resp: 241585
 Ion Ratio Lower Upper
 152 100
 115 62.5 28.9 86.7
 150 161.4 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 20.633 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN074536.D
 Acq: 17 Sep 2022 02:31

Tgt Ion: 75 Resp: 153430
 Ion Ratio Lower Upper
 75 100
 77 1.6 98.5 295.5#

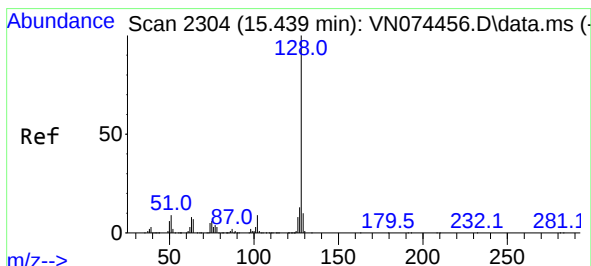
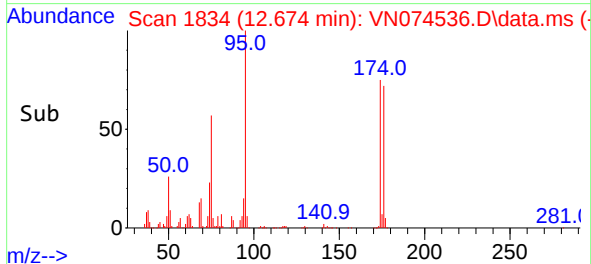
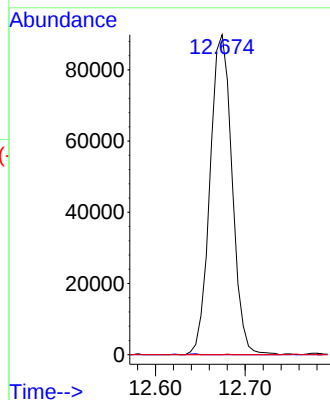
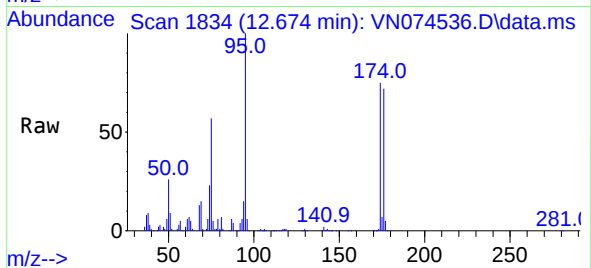




#81
trans-1,4-Dichloro-2-butene
Concen: 44.532 ug/l
RT: 12.674 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN074536.D
Acq: 17 Sep 2022 02:31

Instrument :
MSVOA_N
ClientSampleId :
MW-52

Tgt Ion: 75 Resp: 153430
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 1.637 ug/l
RT: 15.445 min Scan# 2305
Delta R.T. 0.006 min
Lab File: VN074536.D
Acq: 17 Sep 2022 02:31

Tgt Ion:128 Resp: 1026
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

