

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091622\
 Data File : VN074532.D
 Acq On : 17 Sep 2022 00:54
 Operator : JC\MD
 Sample : N4549-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-49

Quant Time: Sep 17 06:17:58 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)

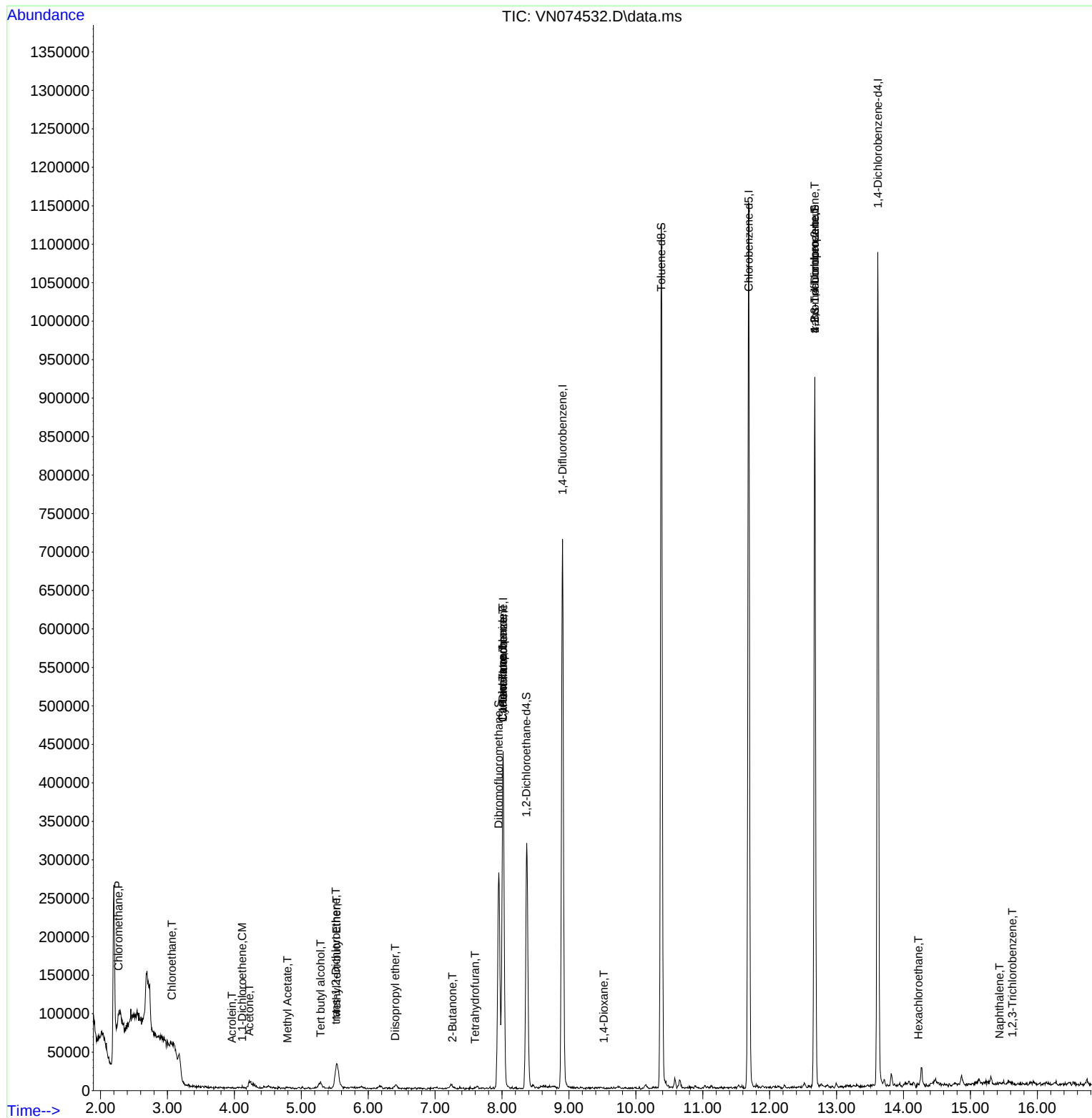
Internal Standards						
1) Pentafluorobenzene	8.016	168	307825	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	586268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	580585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	255830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	240445	46.036	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.080%
35) Dibromofluoromethane	7.951	113	202796	52.073	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.140%
50) Toluene-d8	10.381	98	732083	48.607	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.220%
62) 4-Bromofluorobenzene	12.674	95	275172	53.344	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.680%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	3031	0.794	ug/l	93
6) Chloroethane	3.063	64	4324	1.050	ug/l #	65
11) Tert butyl alcohol	5.287	59	12750	7.494	ug/l #	88
12) 1,1-Dichloroethene	4.116	96	515	0.810	ug/l #	1
13) Acrolein	3.963	56	162	0.261	ug/l #	16
16) Acetone	4.222	43	9817	2.937	ug/l	99
18) Methyl Acetate	4.793	43	3586	0.345	ug/l #	48
19) Methyl tert-butyl Ether	5.528	73	46389	2.715	ug/l	91
21) trans-1,2-Dichloroethene	5.516	96	359	0.509	ug/l #	1
22) Diisopropyl ether	6.404	45	6087	0.313	ug/l #	67
25) 2-Butanone	7.257	43	1668	0.301	ug/l #	77
28) Bromochloromethane	7.592	49	53	Below Cal	#	8
29) Tetrahydrofuran	7.598	42	1009	0.277	ug/l #	35
31) Cyclohexane	8.010	56	10127	1.092	ug/l #	65
36) 1,1-Dichloropropene	8.010	75	29614	4.296	ug/l #	47
38) Carbon Tetrachloride	8.010	117	34005	5.343	ug/l #	17
49) 1,4-Dioxane	9.522	88	79	0.556	ug/l #	1
76) 1,2,3-Trichloropropane	12.674	75	165988	21.079	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	165988	45.495	ug/l #	10
90) Hexachloroethane	14.221	117	1223	0.270	ug/l #	9
95) Naphthalene	15.433	128	2024	1.678	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.627	180	111	1.357	ug/l #	1

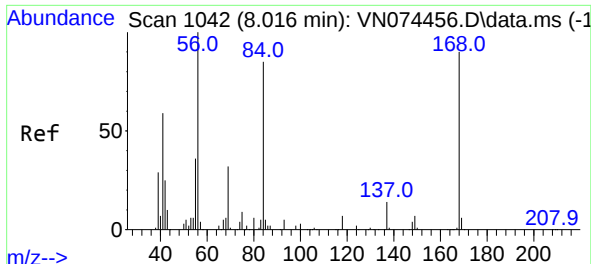
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

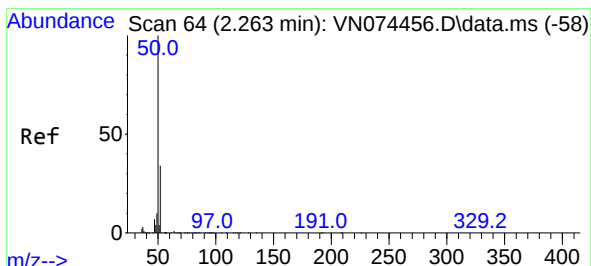
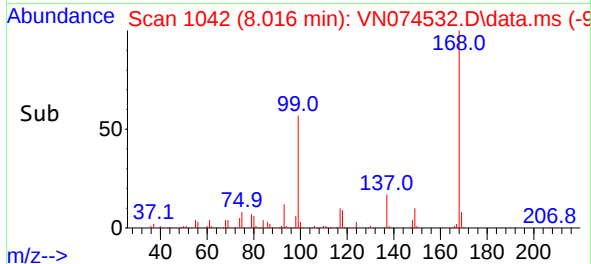
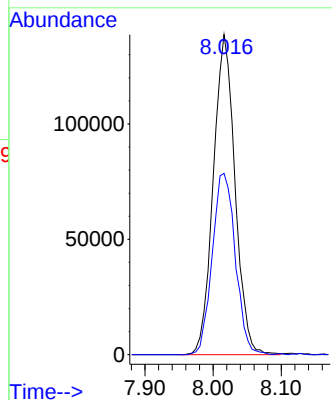
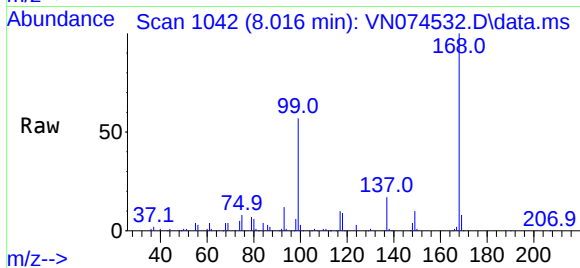




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

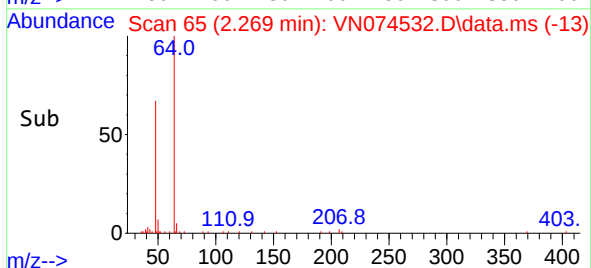
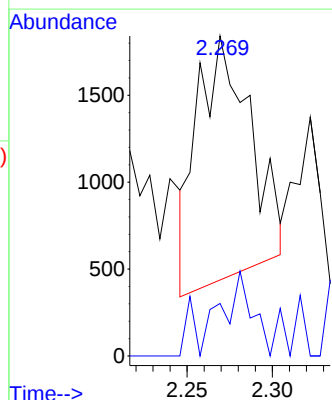
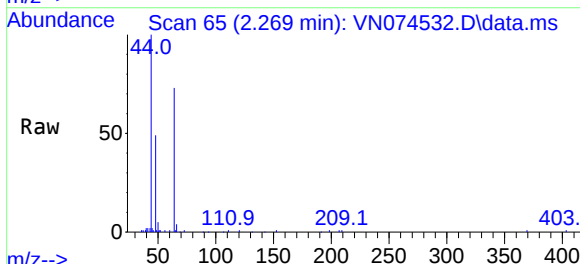
Instrument :
MSVOA_N
ClientSampleId :
MW-49

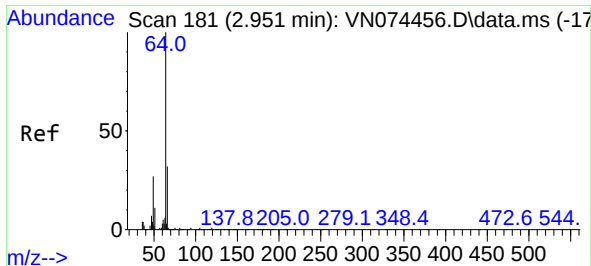
Tgt Ion:168 Resp: 307825
Ion Ratio Lower Upper
168 100
99 56.7 42.3 63.5



#3
Chloromethane
Concen: 0.794 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

Tgt Ion: 50 Resp: 3031
Ion Ratio Lower Upper
50 100
52 28.0 25.7 38.5

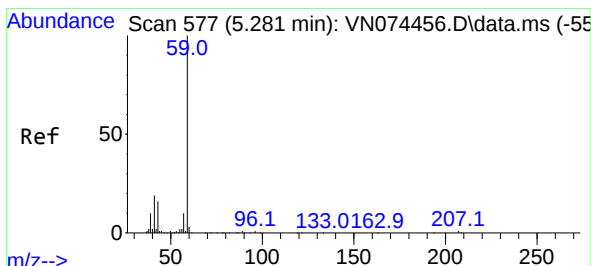
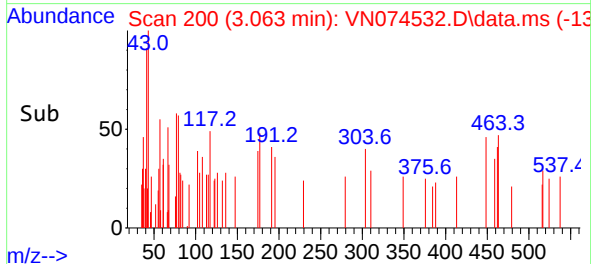
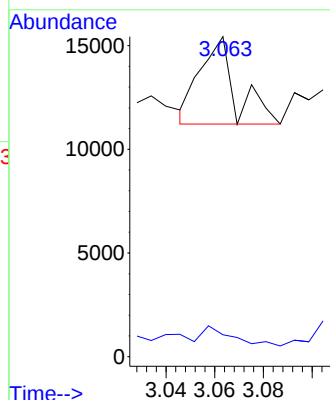
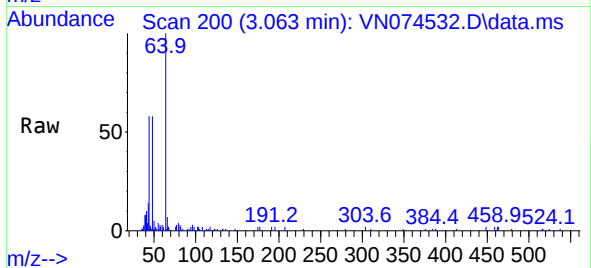




#6
Chloroethane
Concen: 1.050 ug/l
RT: 3.063 min Scan# 20
Delta R.T. 0.112 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

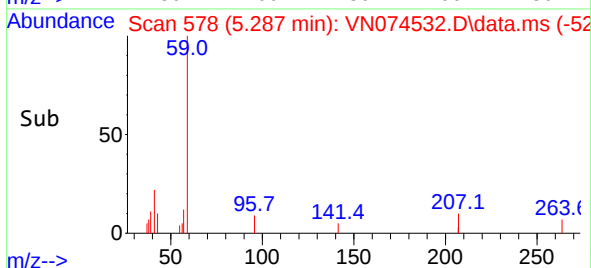
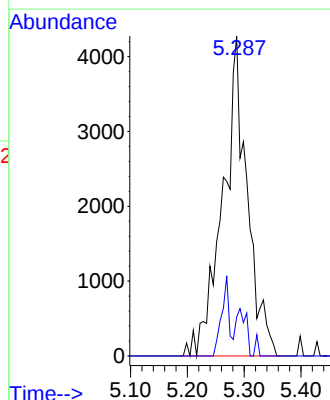
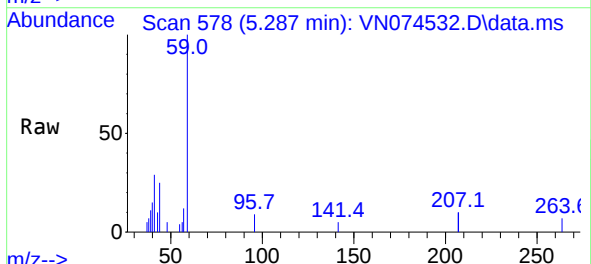
Instrument :
MSVOA_N
ClientSampleId :
MW-49

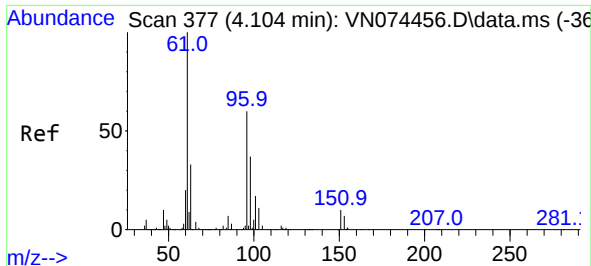
Tgt Ion: 64 Resp: 4324
Ion Ratio Lower Upper
64 100
66 12.9 26.2 39.4#



#11
Tert butyl alcohol
Concen: 7.494 ug/l
RT: 5.287 min Scan# 578
Delta R.T. 0.006 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

Tgt Ion: 59 Resp: 12750
Ion Ratio Lower Upper
59 100
57 6.0 8.3 12.5#

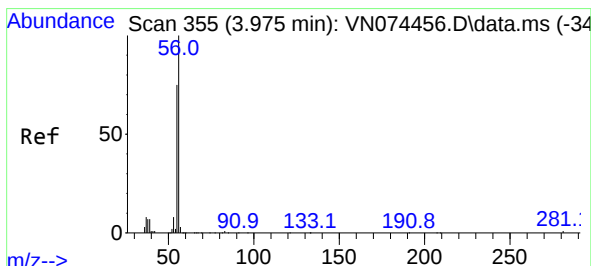
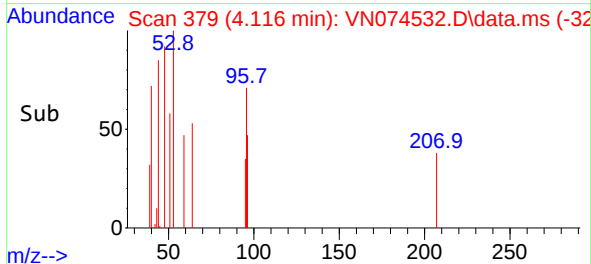
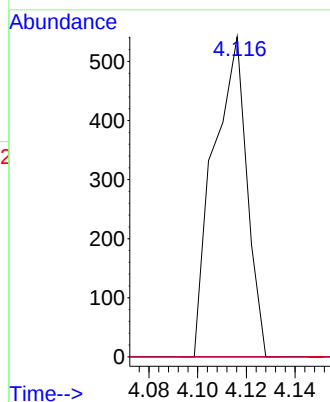
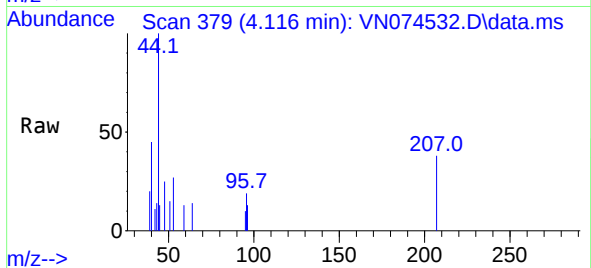




#12
1,1-Dichloroethene
Concen: 0.810 ug/l
RT: 4.116 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

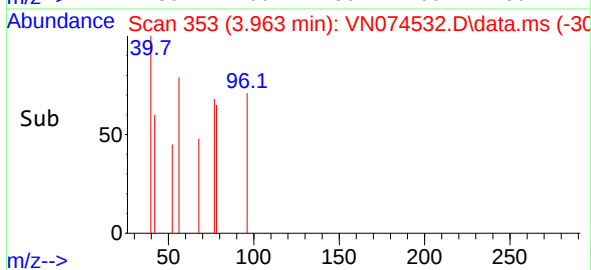
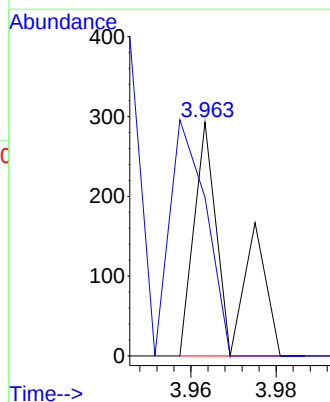
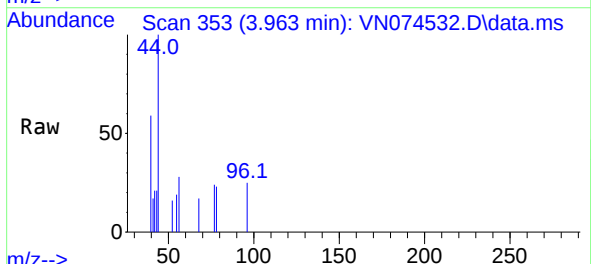
Instrument :
MSVOA_N
ClientSampleId :
MW-49

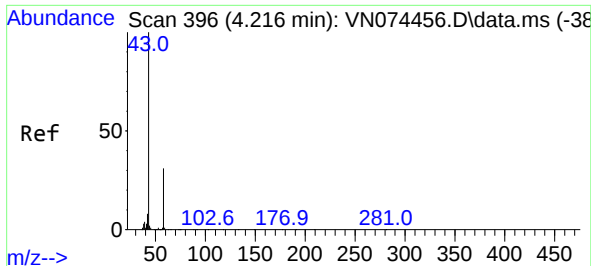
Tgt Ion: 96 Resp: 515
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#



#13
Acrolein
Concen: 0.261 ug/l
RT: 3.963 min Scan# 353
Delta R.T. -0.012 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

Tgt Ion: 56 Resp: 162
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#

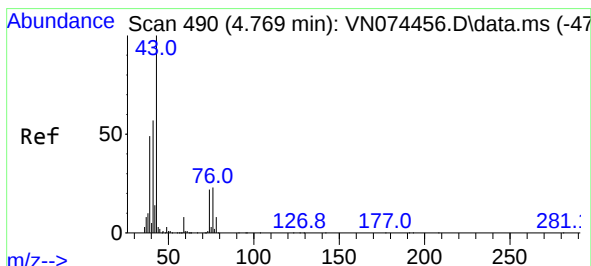
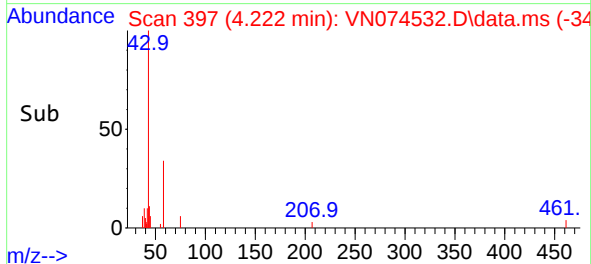
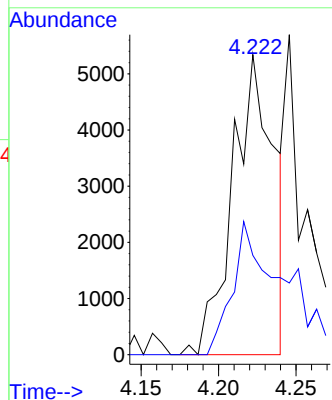
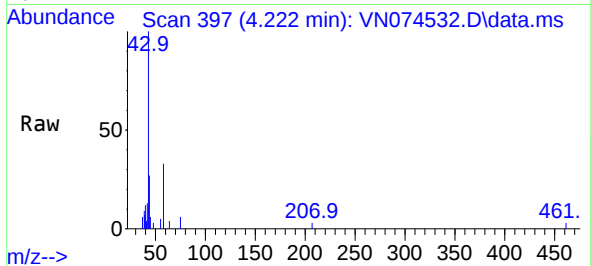




#16
Acetone
Concen: 2.937 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

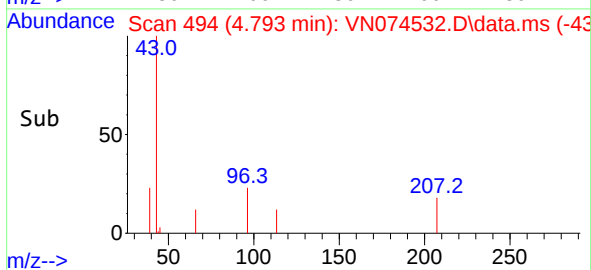
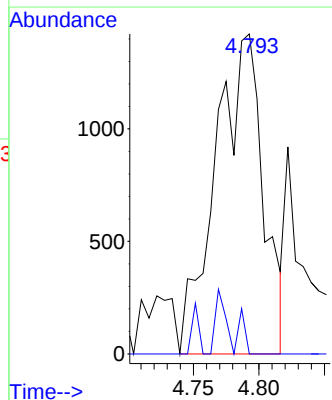
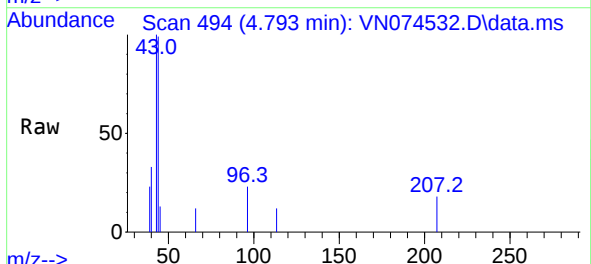
Instrument :
MSVOA_N
ClientSampleId :
MW-49

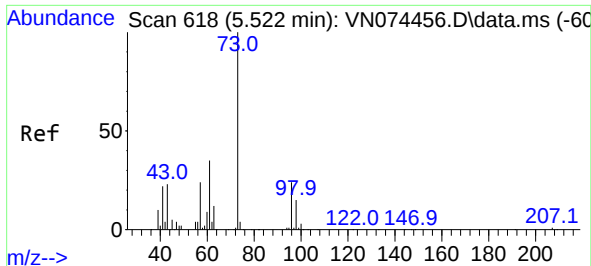
Tgt Ion: 43 Resp: 9817
Ion Ratio Lower Upper
43 100
58 33.1 26.0 39.0



#18
Methyl Acetate
Concen: 0.345 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.024 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

Tgt Ion: 43 Resp: 3586
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

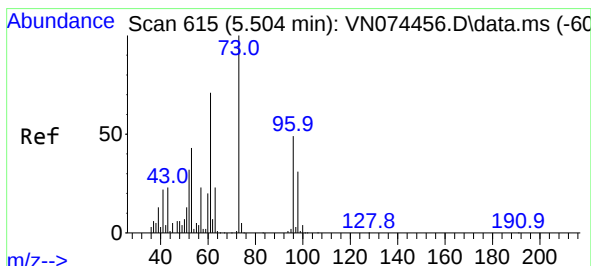
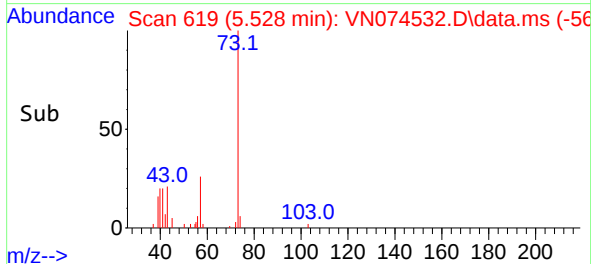
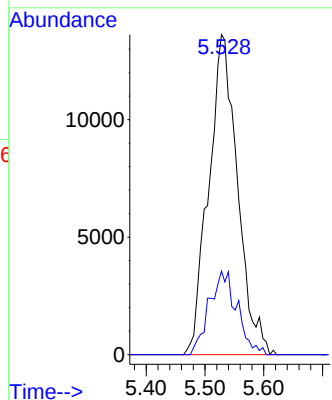
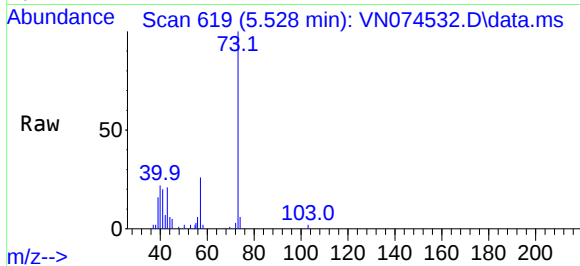




#19
Methyl tert-butyl Ether
Concen: 2.715 ug/l
RT: 5.528 min Scan# 618
Delta R.T. 0.006 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

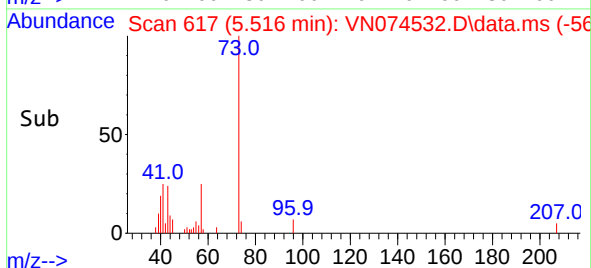
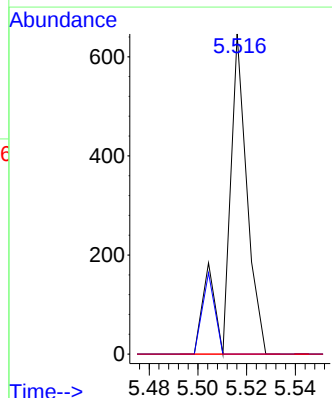
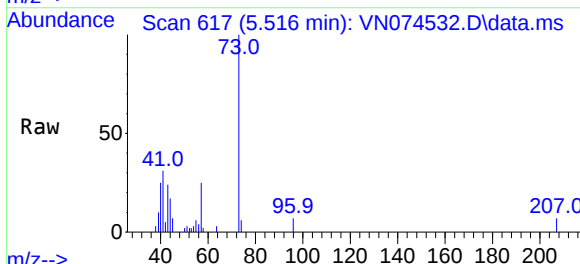
Instrument :
MSVOA_N
ClientSampleId :
MW-49

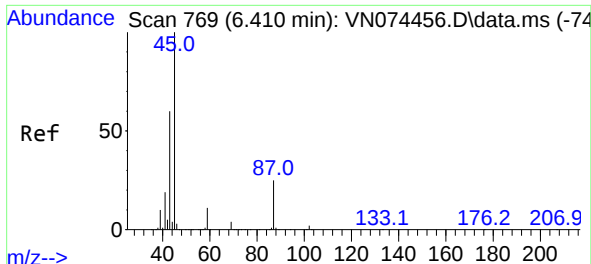
Tgt Ion: 73 Resp: 46389
Ion Ratio Lower Upper
73 100
57 26.1 17.6 26.4



#21
trans-1,2-Dichloroethene
Concen: 0.509 ug/l
RT: 5.516 min Scan# 617
Delta R.T. 0.012 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

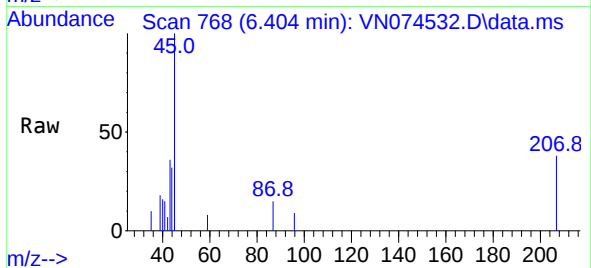
Tgt Ion: 96 Resp: 359
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 0.0 50.3 75.5#





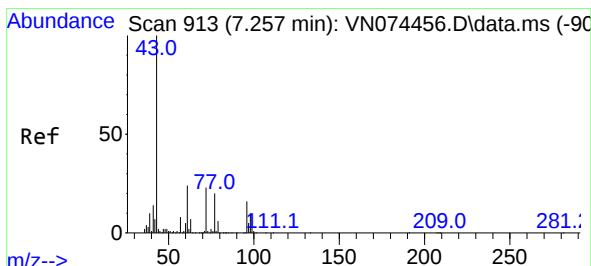
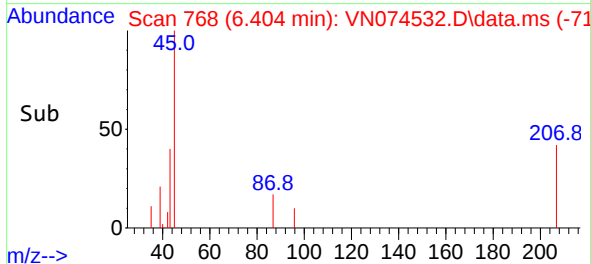
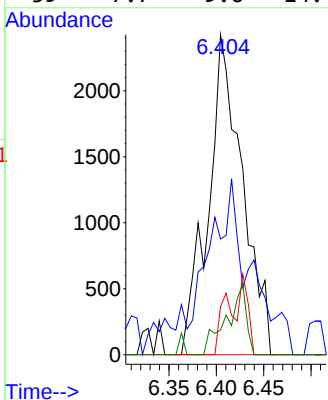
#22
Diisopropyl ether
Concen: 0.313 ug/l
RT: 6.404 min Scan# 768
Delta R.T. -0.006 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

Instrument :
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Tgt Ion: 45 Resp: 6087

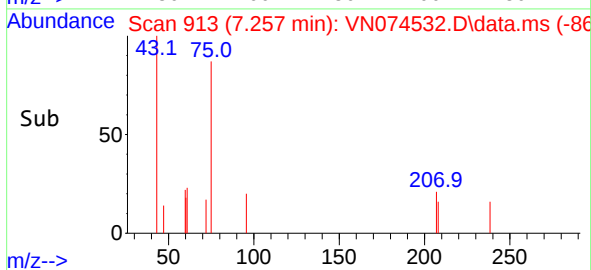
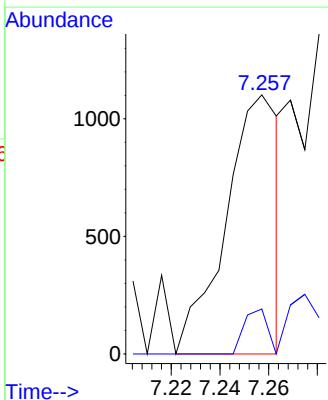
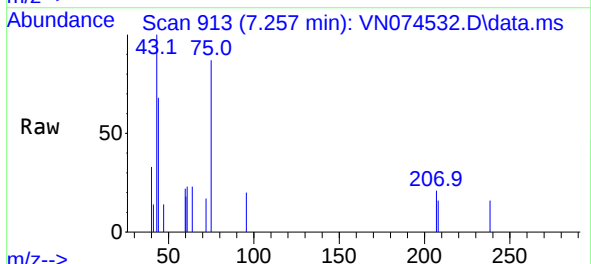
Ion	Ratio	Lower	Upper
45	100		
43	28.5	46.6	70.0#
87	15.0	24.3	36.5#
59	7.7	9.6	14.4#

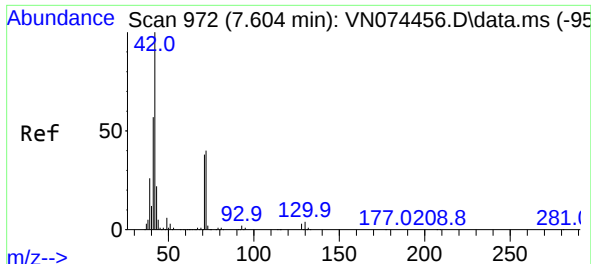


#25
2-Butanone
Concen: 0.301 ug/l
RT: 7.257 min Scan# 913
Delta R.T. 0.000 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

Tgt Ion: 43 Resp: 1668

Ion	Ratio	Lower	Upper
43	100		
72	17.3	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.277 ug/l

RT: 7.598 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN074532.D

Acq: 17 Sep 2022 00:54

Instrument :

MSVOA_N

ClientSampleId :

MW-49

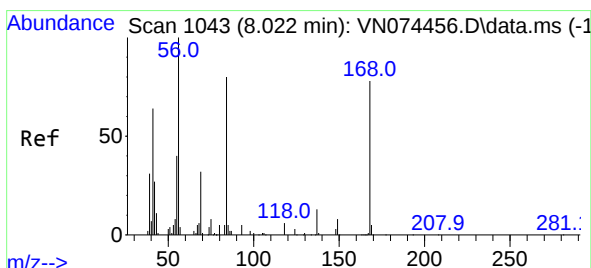
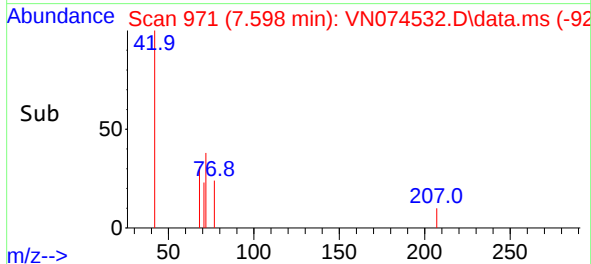
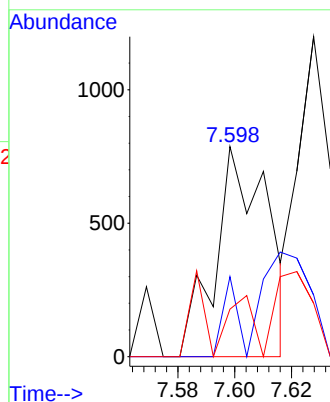
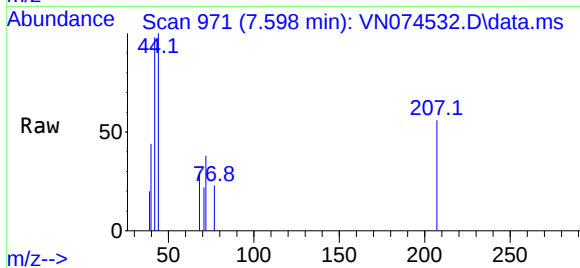
Tgt Ion: 42 Resp: 1009

Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 8.0 36.6 55.0#



#31

Cyclohexane

Concen: 1.092 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN074532.D

Acq: 17 Sep 2022 00:54

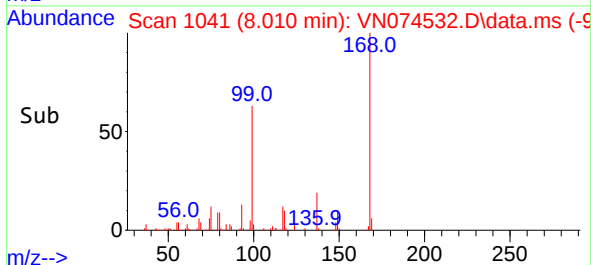
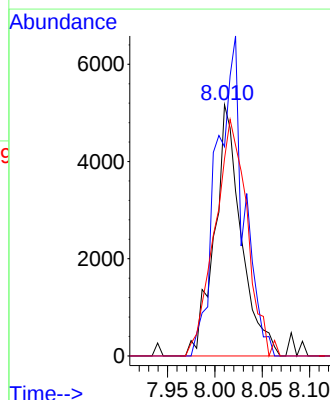
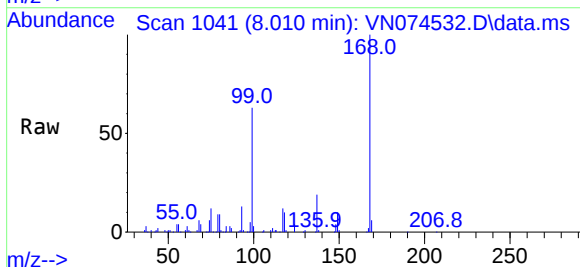
Tgt Ion: 56 Resp: 10127

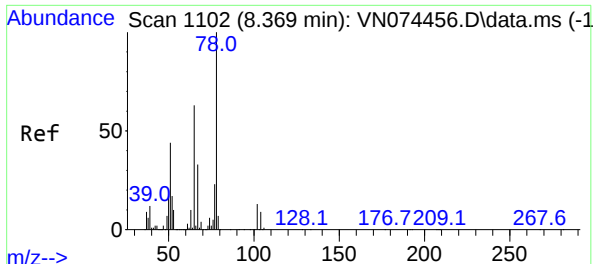
Ion Ratio Lower Upper

56 100

69 83.3 27.8 41.8#

84 78.5 76.9 115.3

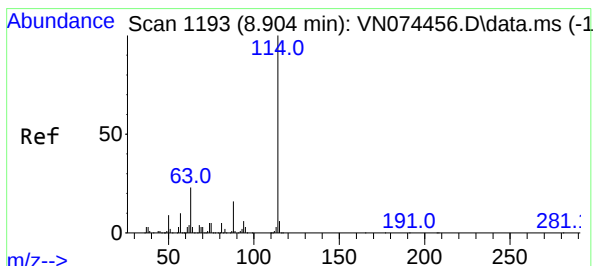
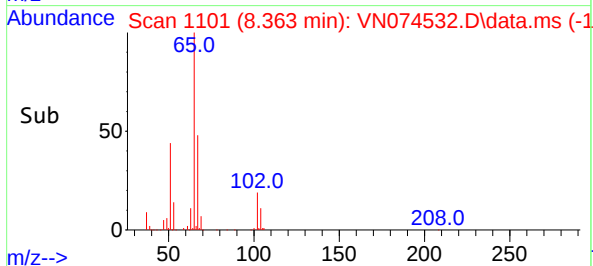
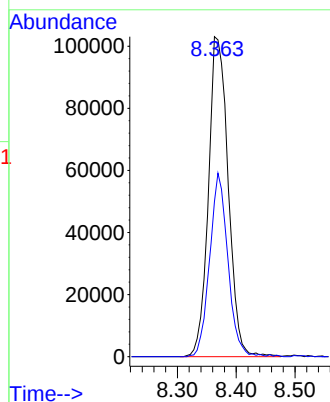
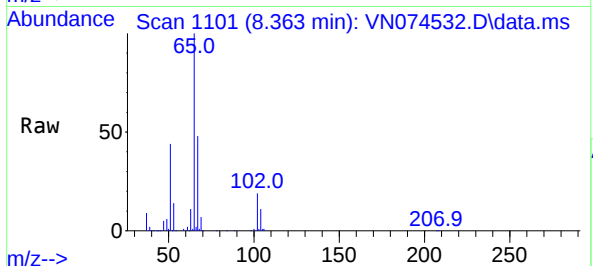




#33
1,2-Dichloroethane-d4
Concen: 46.036 ug/l
RT: 8.363 min Scan# 1102
Delta R.T. -0.006 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

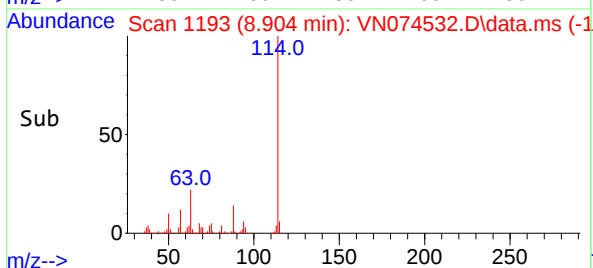
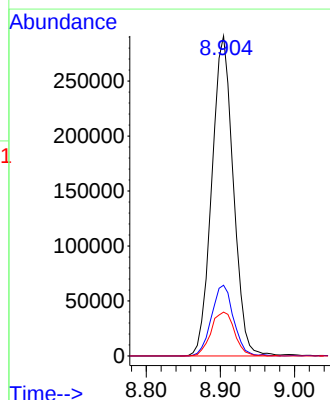
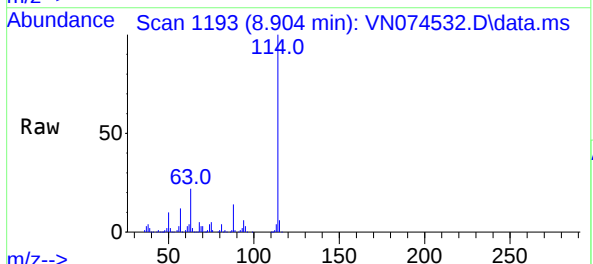
Instrument :
MSVOA_N
ClientSampleId :
MW-49

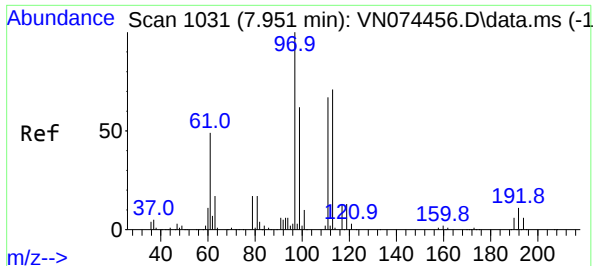
Tgt Ion: 65 Resp: 240445
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

Tgt Ion: 114 Resp: 586268
Ion Ratio Lower Upper
114 100
63 22.1 0.0 40.0
88 13.7 0.0 32.6

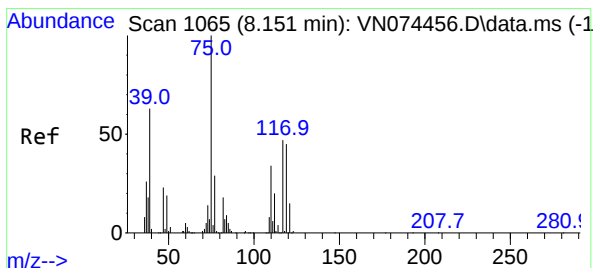
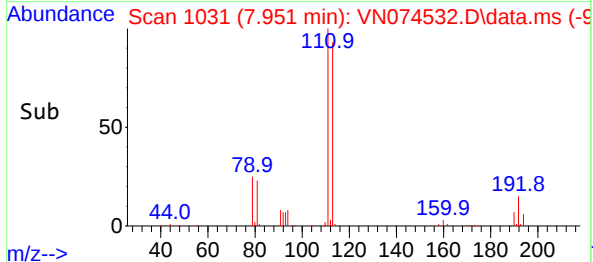
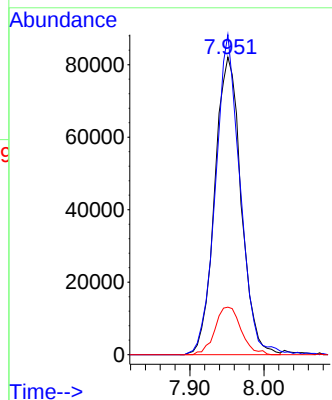
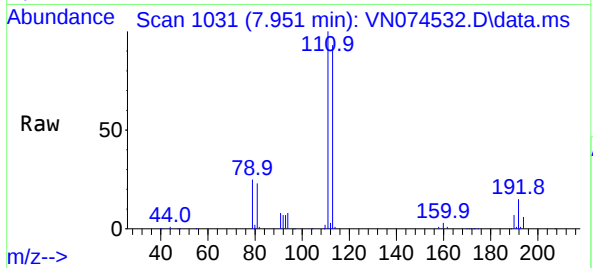




#35
Dibromofluoromethane
Concen: 52.073 ug/l
RT: 7.951 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

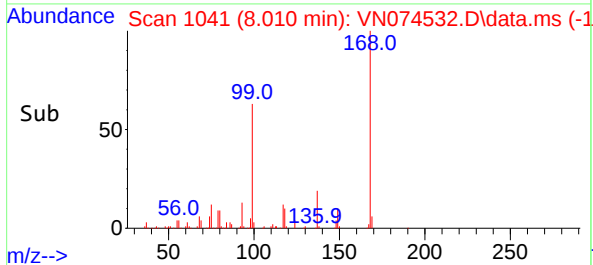
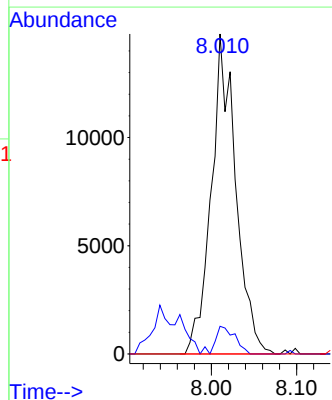
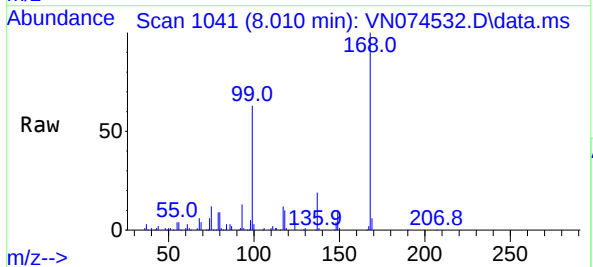
Instrument :
MSVOA_N
ClientSampleId :
MW-49

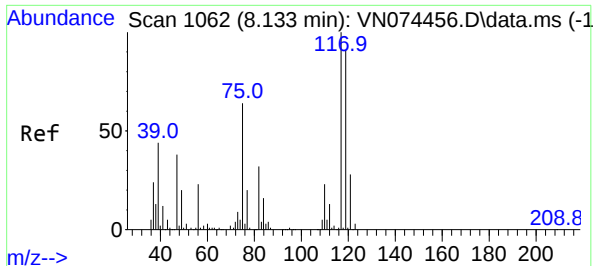
Tgt Ion:113 Resp: 202796
Ion Ratio Lower Upper
113 100
111 100.7 81.4 122.0
192 15.9 17.0 25.6#



#36
1,1-Dichloropropene
Concen: 4.296 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.141 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

Tgt Ion: 75 Resp: 29614
Ion Ratio Lower Upper
75 100
110 6.5 18.3 54.8#
77 0.0 25.1 37.7#

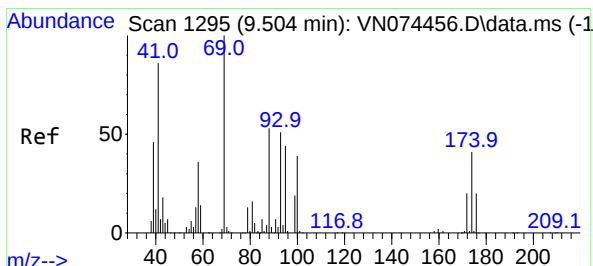
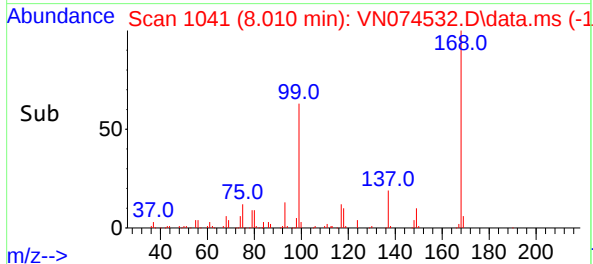
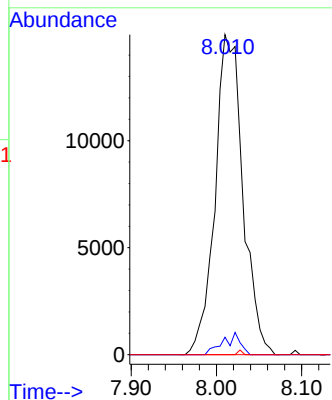
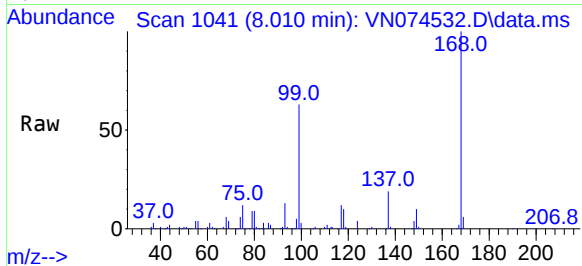




#38
Carbon Tetrachloride
Concen: 5.343 ug/l
RT: 8.010 min Scan# 117
Delta R.T. -0.123 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

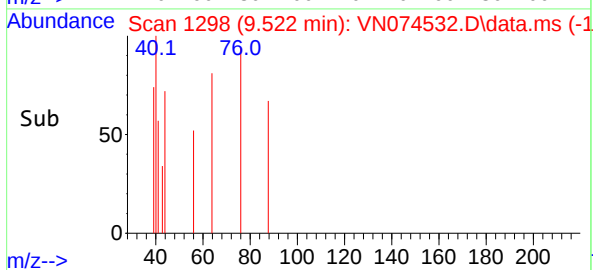
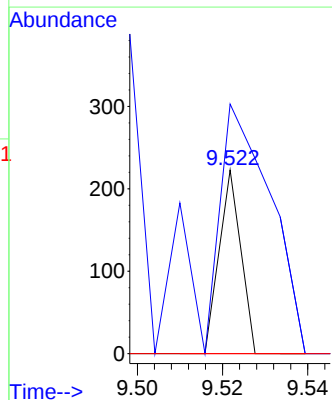
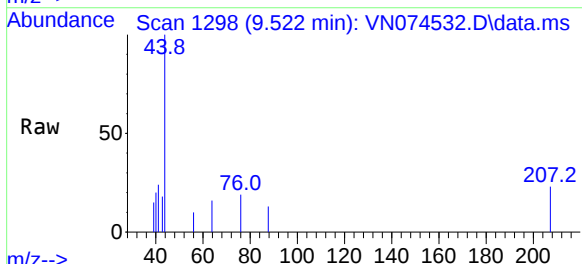
Instrument :
MSVOA_N
ClientSampleId :
MW-49

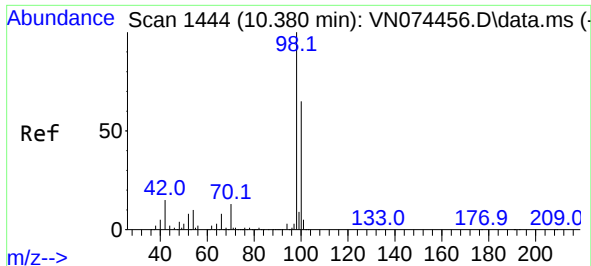
Tgt Ion:117 Resp: 34005
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.8#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 0.556 ug/l
RT: 9.522 min Scan# 1298
Delta R.T. 0.018 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

Tgt Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
43 315.2 20.2 30.4#
58 0.0 54.2 81.4#

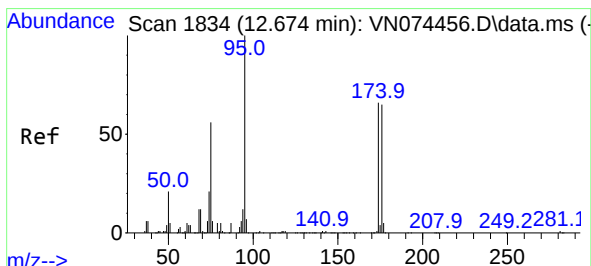
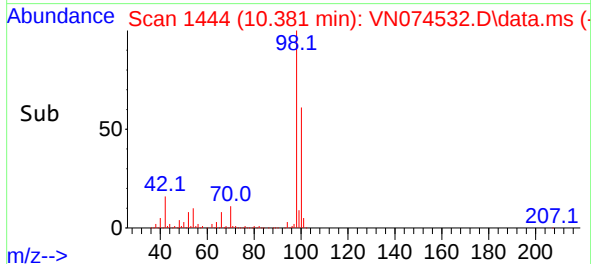
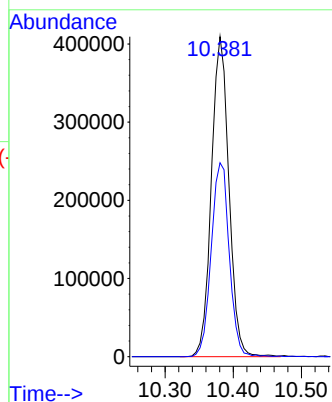
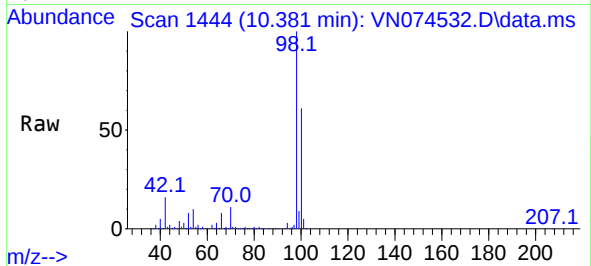




#50
Toluene-d8
Concen: 48.607 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

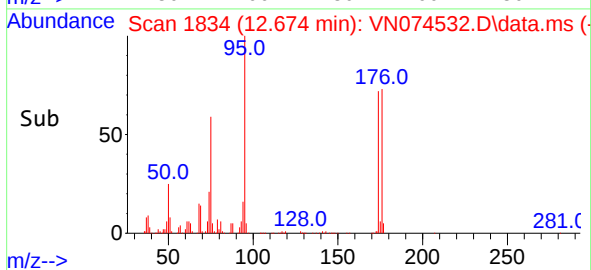
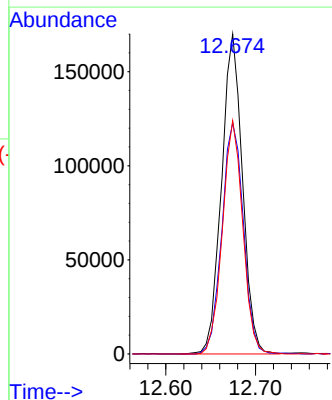
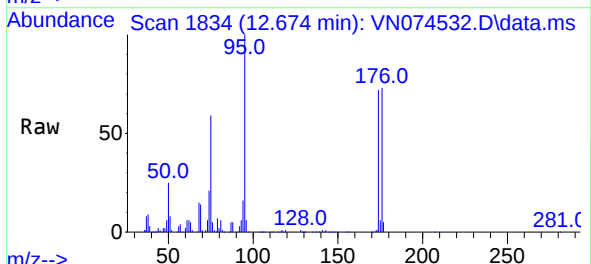
Instrument :
MSVOA_N
ClientSampleId :
MW-49

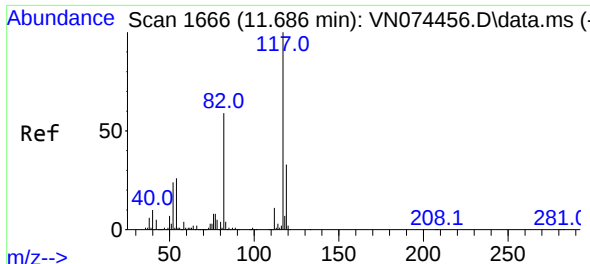
Tgt Ion: 98 Resp: 732083
Ion Ratio Lower Upper
98 100
100 62.4 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 53.344 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

Tgt Ion: 95 Resp: 275172
Ion Ratio Lower Upper
95 100
174 74.3 0.0 167.6
176 71.0 0.0 163.4

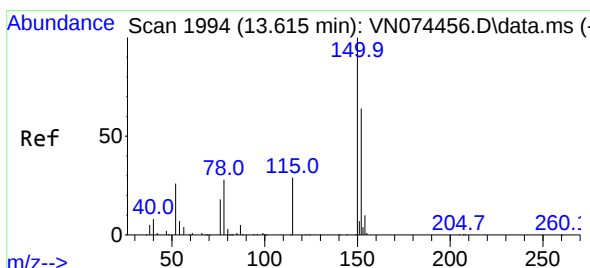
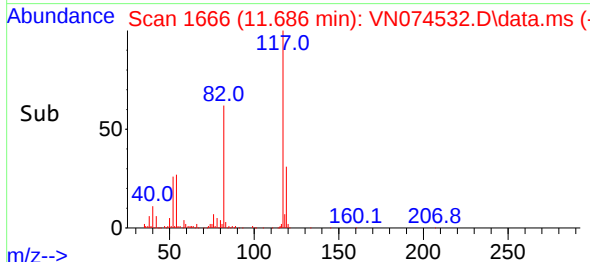
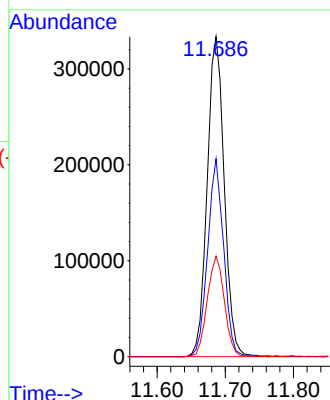
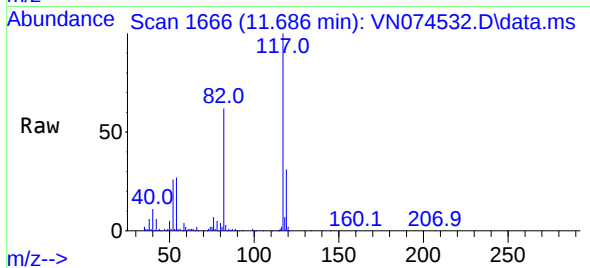




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

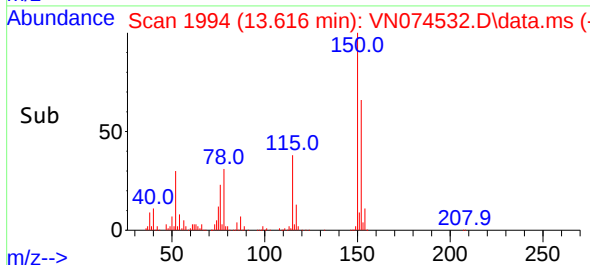
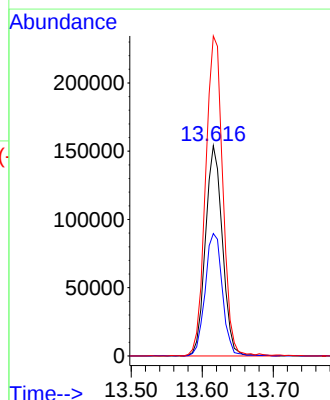
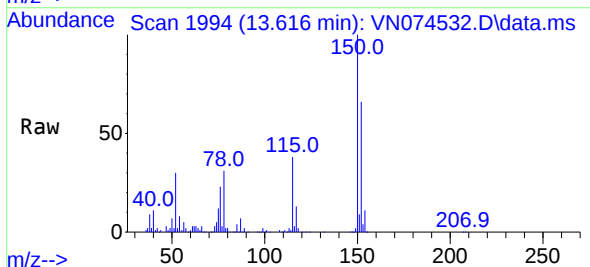
Instrument :
MSVOA_N
ClientSampleId :
MW-49

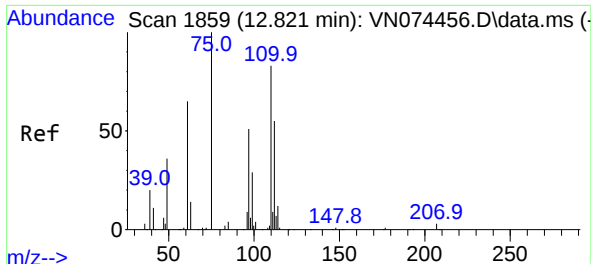
Tgt Ion:	117	Resp:	580585
Ion	Ratio	Lower	Upper
117	100		
82	61.8	44.2	66.2
119	31.4	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

Tgt Ion:	152	Resp:	255830
Ion	Ratio	Lower	Upper
152	100		
115	59.6	28.9	86.7
150	154.1	0.0	356.2

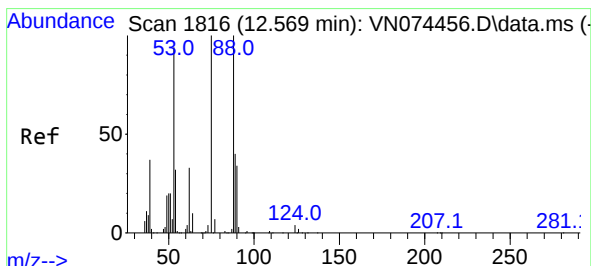
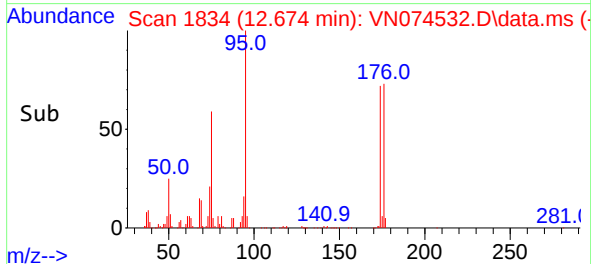
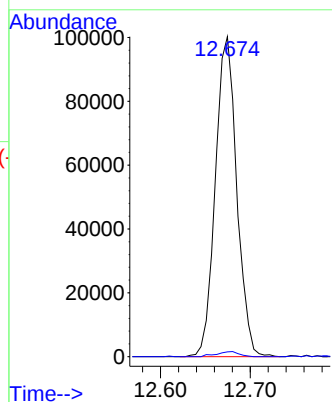
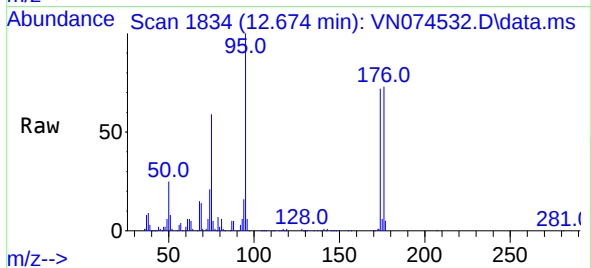




#76
1,2,3-Trichloropropane
Concen: 21.079 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

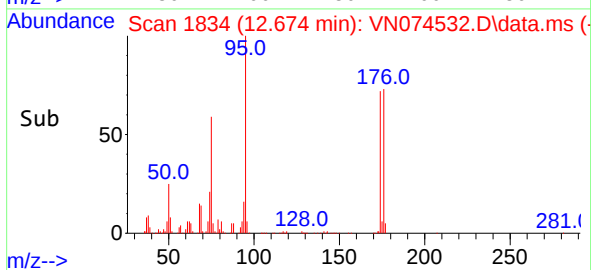
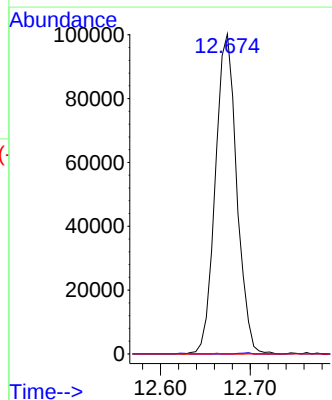
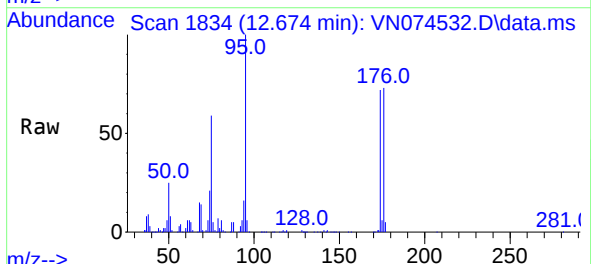
Instrument :
MSVOA_N
ClientSampleId :
MW-49

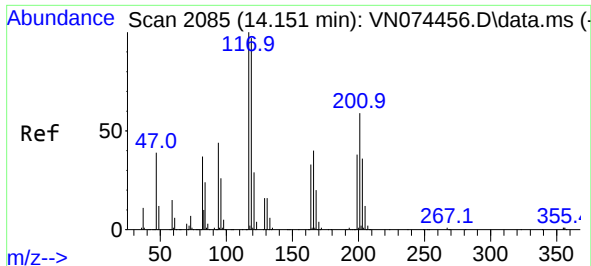
Tgt Ion: 75 Resp: 165988
Ion Ratio Lower Upper
75 100
77 1.7 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 45.495 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

Tgt Ion: 75 Resp: 165988
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#

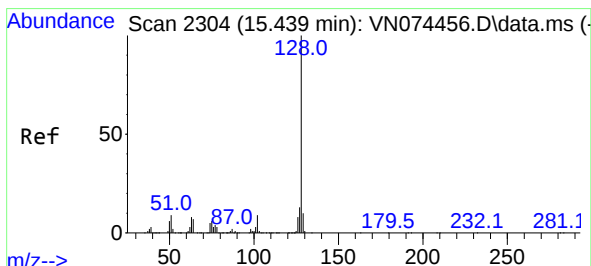
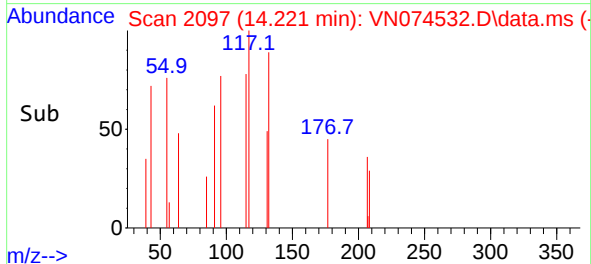
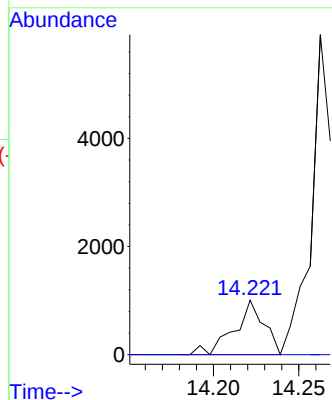
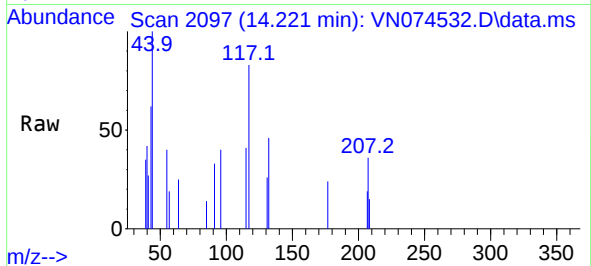




#90
Hexachloroethane
Concen: 0.270 ug/l
RT: 14.221 min Scan# 2085
Delta R.T. 0.070 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

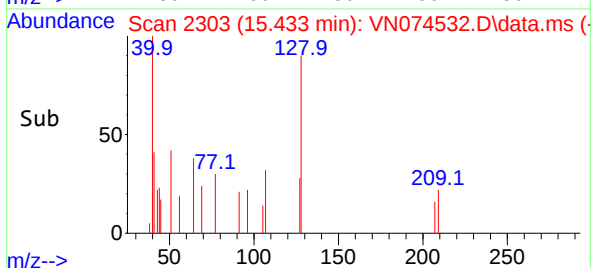
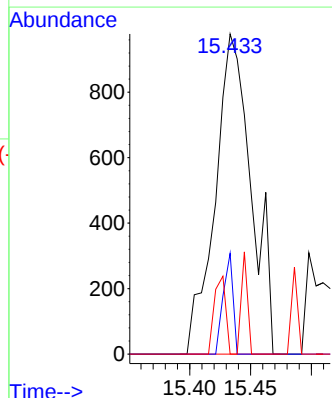
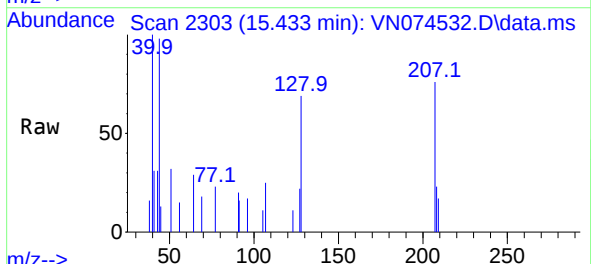
Instrument :
MSVOA_N
ClientSampleId :
MW-49

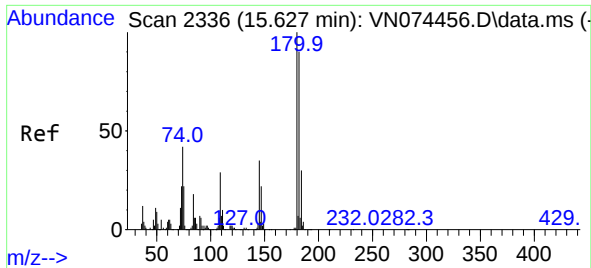
Tgt Ion:117 Resp: 1223
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#95
Naphthalene
Concen: 1.678 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. -0.006 min
Lab File: VN074532.D
Acq: 17 Sep 2022 00:54

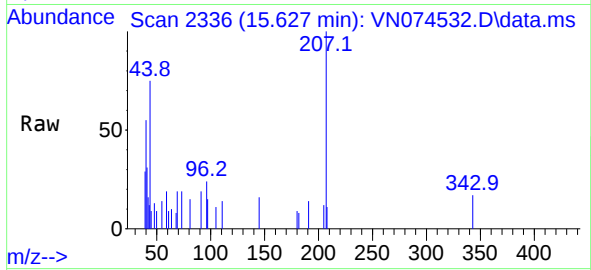
Tgt Ion:128 Resp: 2024
Ion Ratio Lower Upper
128 100
127 8.4 10.3 15.5#
129 7.6 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.357 ug/l
 RT: 15.627 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN074532.D
 Acq: 17 Sep 2022 00:54

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-49



Tgt Ion:180 Resp: 111

Ion	Ratio	Lower	Upper
180	100		
182	173.0	47.8	143.3#
145	147.7	15.5	46.5#

