

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091622\
 Data File : VN074529.D
 Acq On : 16 Sep 2022 23:42
 Operator : JC\MD
 Sample : N4549-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-46

Quant Time: Sep 17 06:17:22 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)

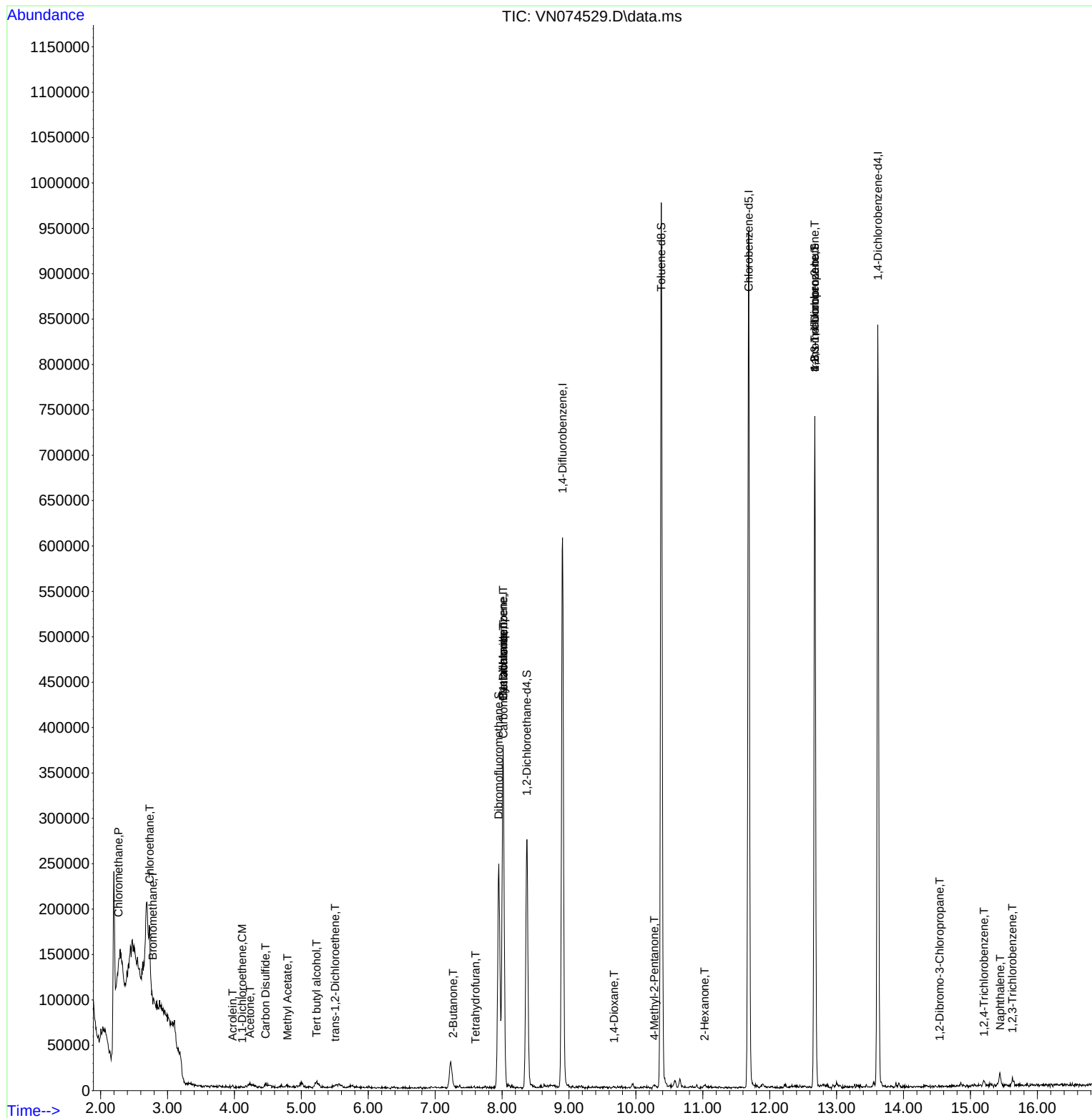
Internal Standards						
1) Pentafluorobenzene	8.016	168	259669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	505886	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	475688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	190420	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	209276	47.499	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.000%		
35) Dibromofluoromethane	7.951	113	166328	49.495	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.980%		
50) Toluene-d8	10.380	98	629628	48.447	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.900%		
62) 4-Bromofluorobenzene	12.674	95	222456	49.977	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.960%		
Target Compounds						Qvalue
3) Chloromethane	2.269	50	2274	0.734	ug/l #	77
5) Bromomethane	2.781	94	693	0.258	ug/l #	74
6) Chloroethane	2.734	64	45068	12.970	ug/l #	54
11) Tert butyl alcohol	5.228	59	3916	2.728	ug/l #	72
12) 1,1-Dichloroethene	4.116	96	326	0.778	ug/l #	1
13) Acrolein	3.975	56	864	1.648	ug/l #	77
16) Acetone	4.234	43	6275	2.226	ug/l #	79
17) Carbon Disulfide	4.463	76	5412	0.577	ug/l #	75
18) Methyl Acetate	4.793	43	4536	0.518	ug/l #	60
21) trans-1,2-Dichloroethene	5.504	96	341	0.519	ug/l #	14
25) 2-Butanone	7.269	43	1347	0.288	ug/l #	45
29) Tetrahydrofuran	7.604	42	1014	0.329	ug/l #	29
31) Cyclohexane	8.016	56	9389	1.201	ug/l #	41
36) 1,1-Dichloropropene	8.016	75	25613	4.306	ug/l #	46
38) Carbon Tetrachloride	8.022	117	28927	5.267	ug/l #	18
49) 1,4-Dioxane	9.675	88	165	1.345	ug/l #	1
51) 4-Methyl-2-Pentanone	10.275	43	1967	0.209	ug/l	100
59) 2-Hexanone	11.027	43	3440	0.480	ug/l	76
76) 1,2,3-Trichloropropane	12.674	75	135118	23.053	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	135118	49.755	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.539	75	501	0.290	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.204	180	1511	0.399	ug/l	65
95) Naphthalene	15.445	128	11288	2.260	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.627	180	1405	1.686	ug/l #	37

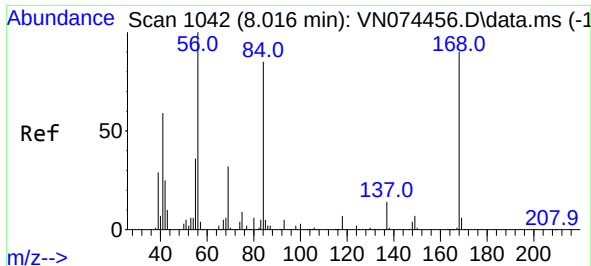
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091622\
Data File : VN074529.D
Acq On : 16 Sep 2022 23:42
Operator : JC\MD
Sample : N4549-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-46

Quant Time: Sep 17 06:17:22 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

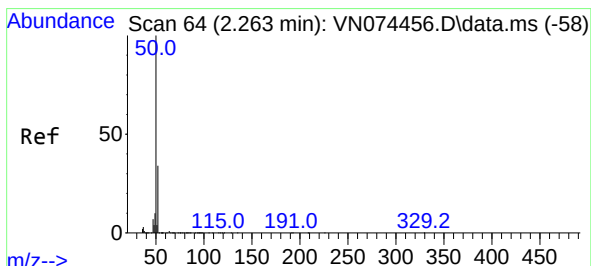
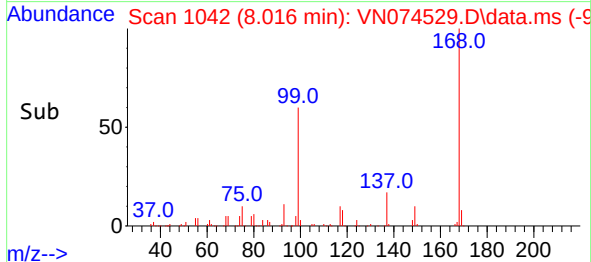
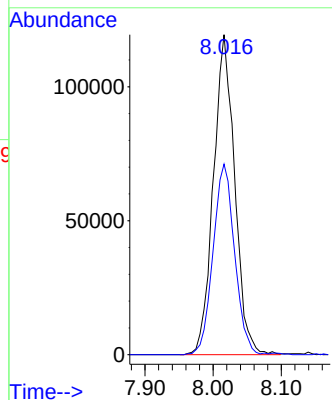
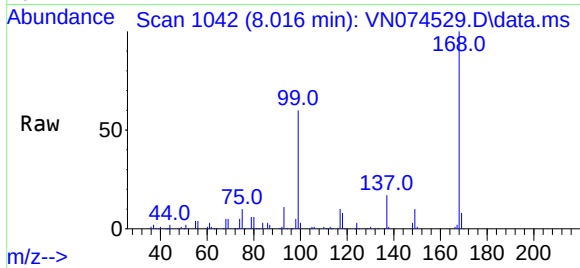




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

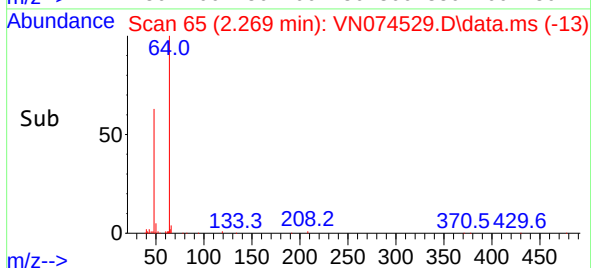
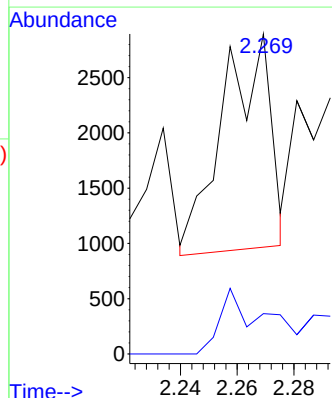
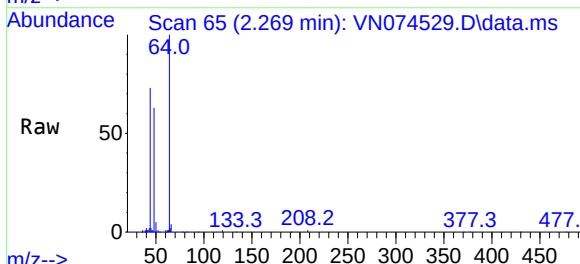
Instrument :
MSVOA_N
ClientSampleId :
MW-46

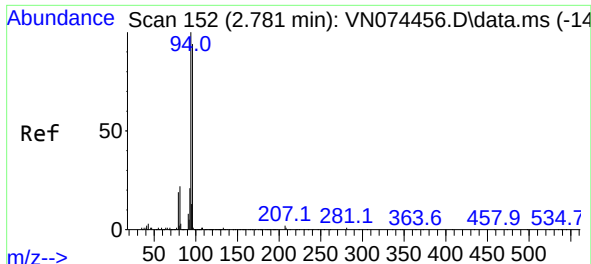
Tgt Ion:168 Resp: 259669
Ion Ratio Lower Upper
168 100
99 59.5 42.3 63.5



#3
Chloromethane
Concen: 0.734 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

Tgt Ion: 50 Resp: 2274
Ion Ratio Lower Upper
50 100
52 19.1 25.7 38.5#

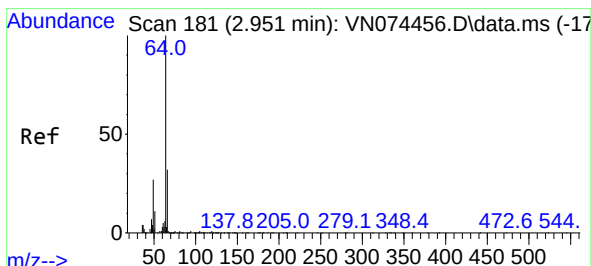
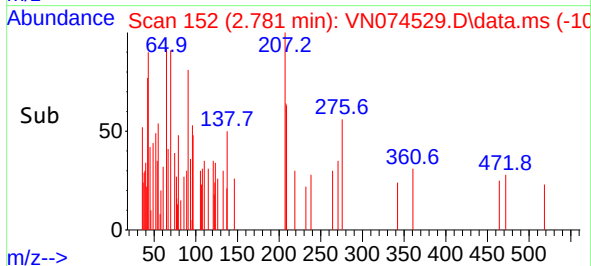
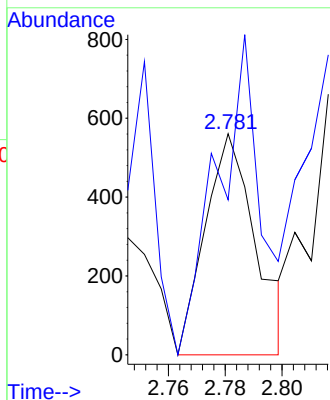
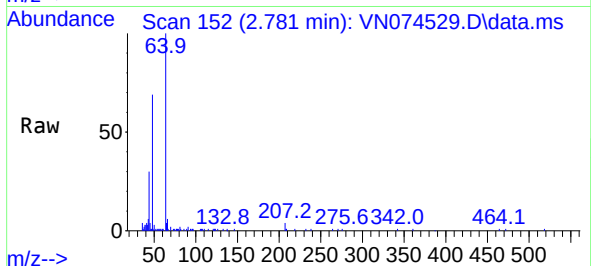




#5
Bromomethane
Concen: 0.258 ug/l
RT: 2.781 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

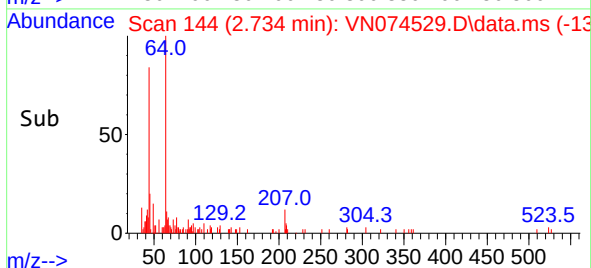
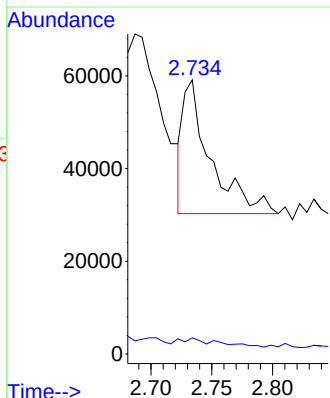
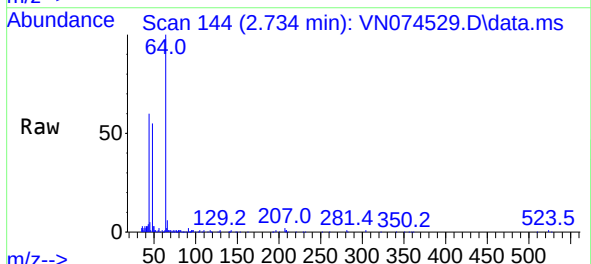
Instrument :
MSVOA_N
ClientSampleId :
MW-46

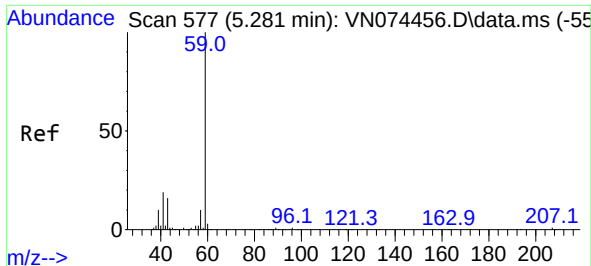
Tgt Ion: 94 Resp: 693
Ion Ratio Lower Upper
94 100
96 70.1 76.0 114.0#



#6
Chloroethane
Concen: 12.970 ug/l
RT: 2.734 min Scan# 144
Delta R.T. -0.217 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

Tgt Ion: 64 Resp: 45068
Ion Ratio Lower Upper
64 100
66 6.7 26.2 39.4#

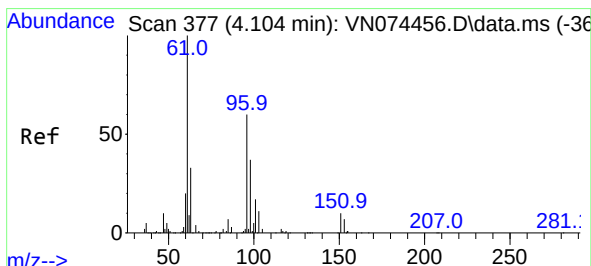
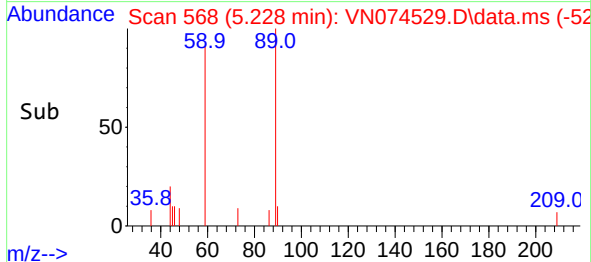
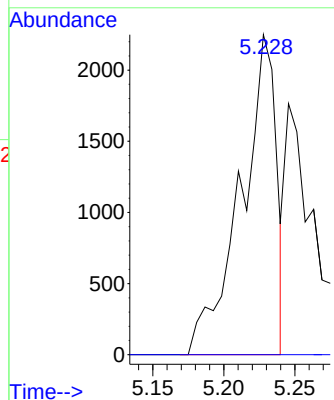
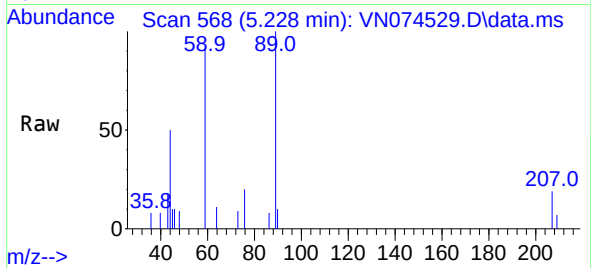




#11
Tert butyl alcohol
Concen: 2.728 ug/l
RT: 5.228 min Scan# 51
Delta R.T. -0.053 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

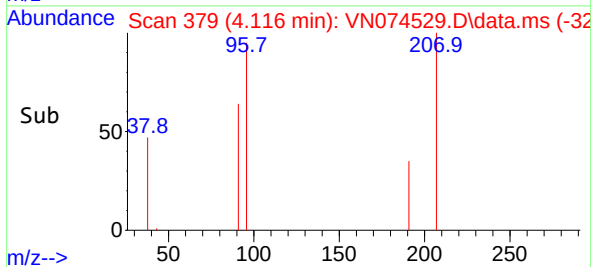
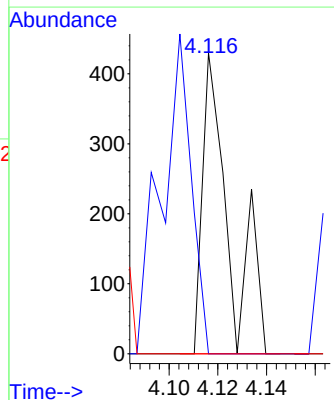
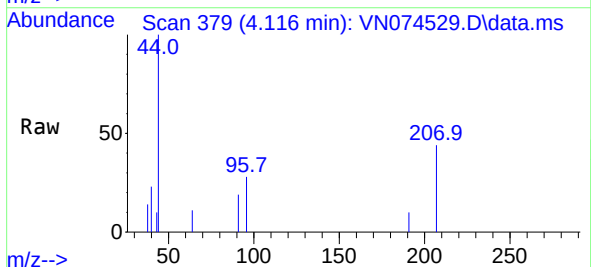
Instrument :
MSVOA_N
ClientSampleId :
MW-46

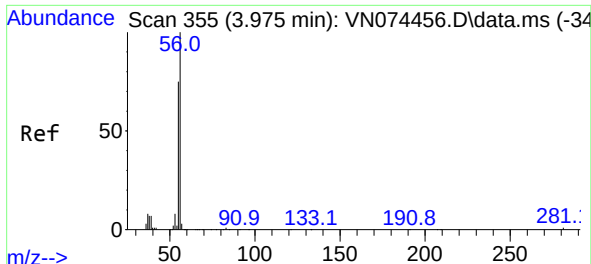
Tgt Ion: 59 Resp: 3916
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.778 ug/l
RT: 4.116 min Scan# 379
Delta R.T. 0.012 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

Tgt Ion: 96 Resp: 326
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#

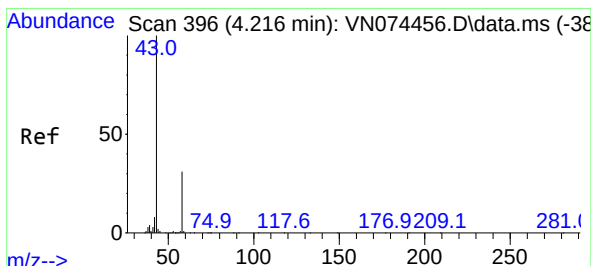
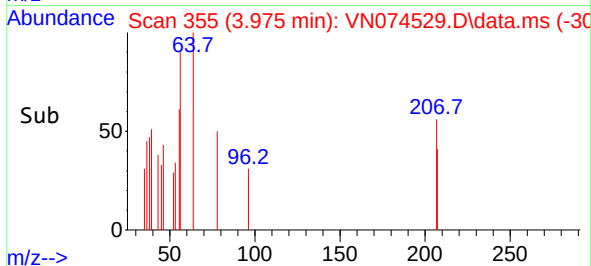
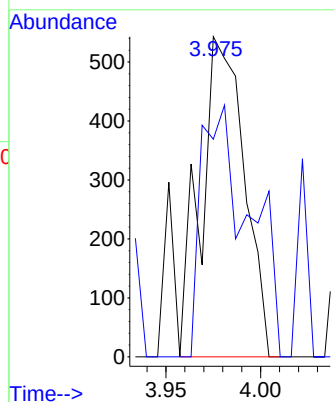
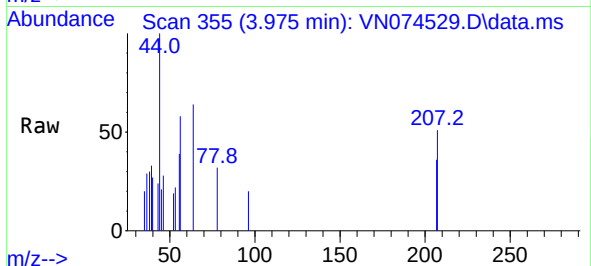




#13
Acrolein
Concen: 1.648 ug/l
RT: 3.975 min Scan# 311
Delta R.T. 0.000 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

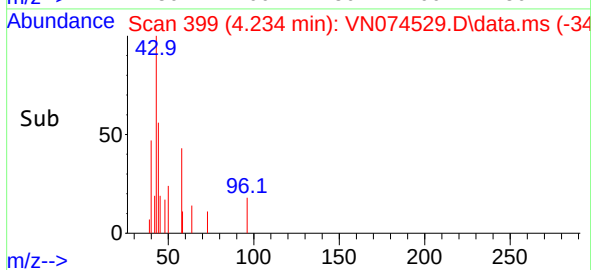
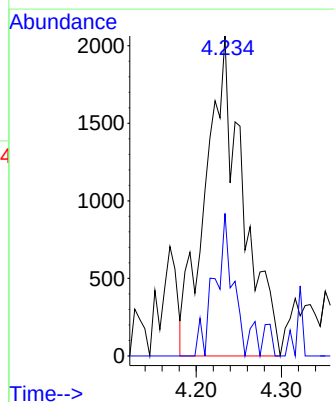
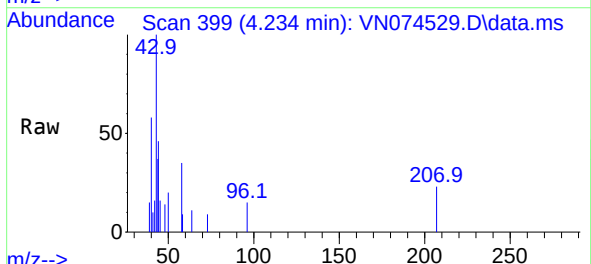
Instrument :
MSVOA_N
ClientSampleId :
MW-46

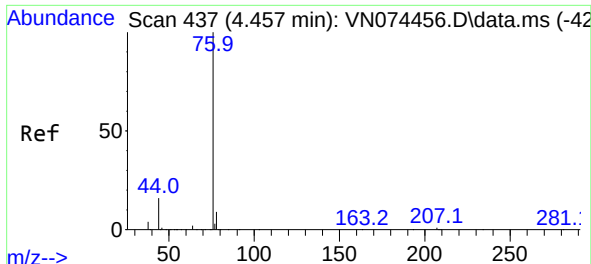
Tgt Ion: 56 Resp: 864
Ion Ratio Lower Upper
56 100
55 87.3 54.8 82.2#



#16
Acetone
Concen: 2.226 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.018 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

Tgt Ion: 43 Resp: 6275
Ion Ratio Lower Upper
43 100
58 44.5 26.0 39.0#

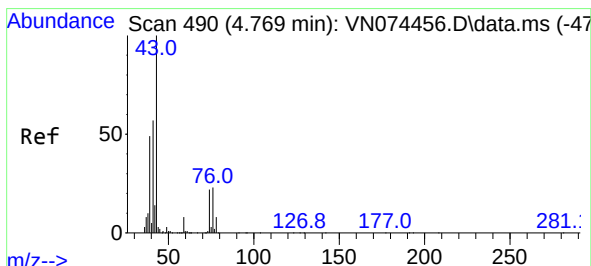
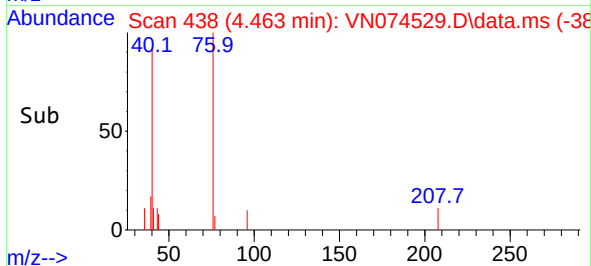
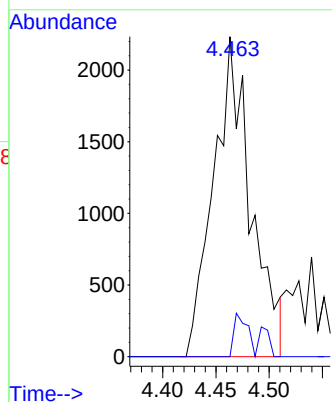
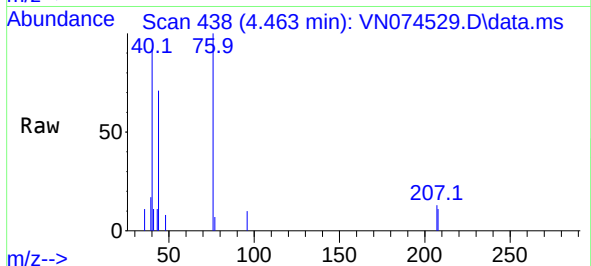




#17
Carbon Disulfide
Concen: 0.577 ug/l
RT: 4.463 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

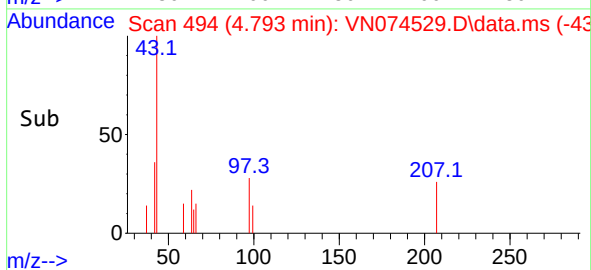
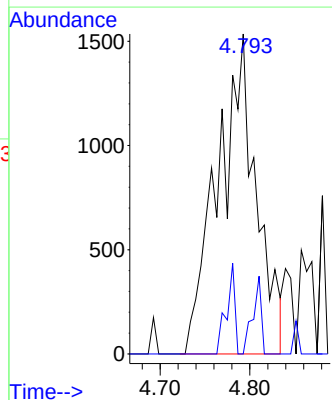
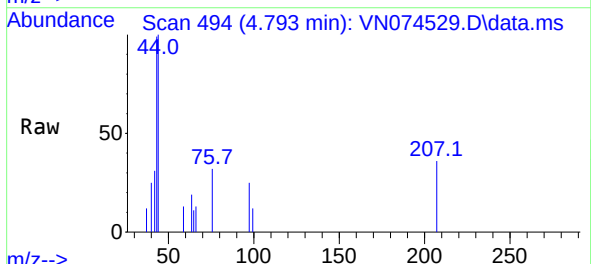
Instrument :
MSVOA_N
ClientSampleId :
MW-46

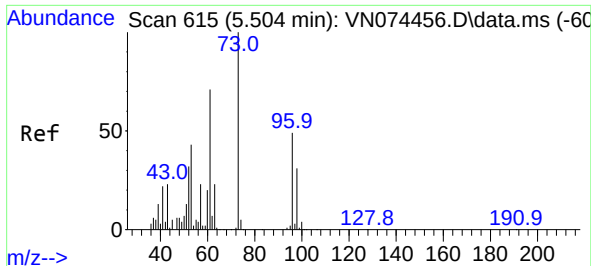
Tgt Ion: 76 Resp: 5412
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.518 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.024 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

Tgt Ion: 43 Resp: 4536
Ion Ratio Lower Upper
43 100
74 6.2 21.6 32.4#

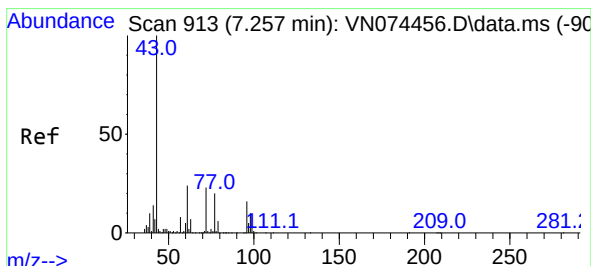
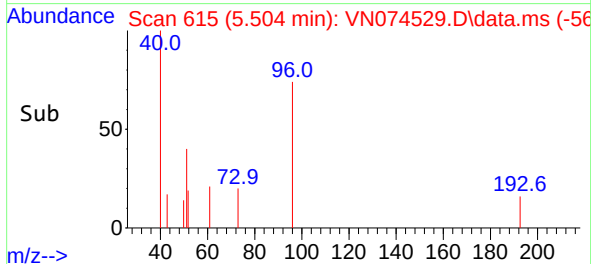
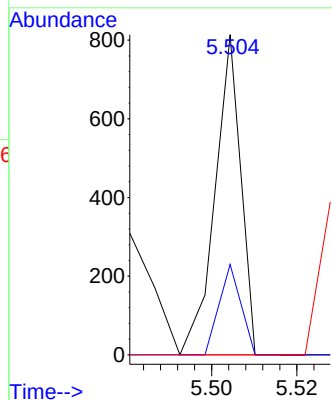
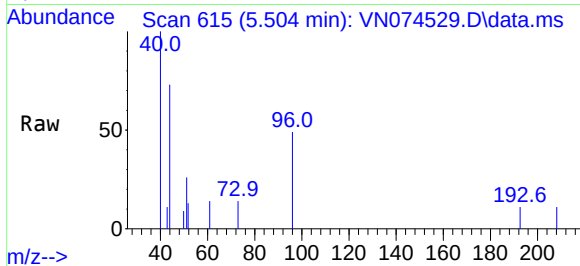




#21
trans-1,2-Dichloroethene
Concen: 0.519 ug/l
RT: 5.504 min Scan# 615
Delta R.T. 0.000 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

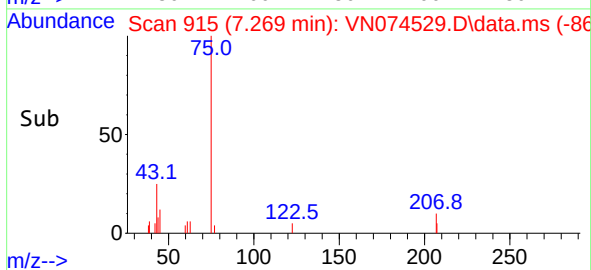
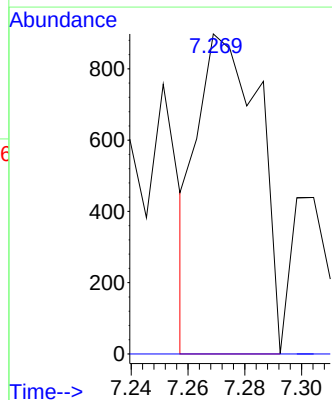
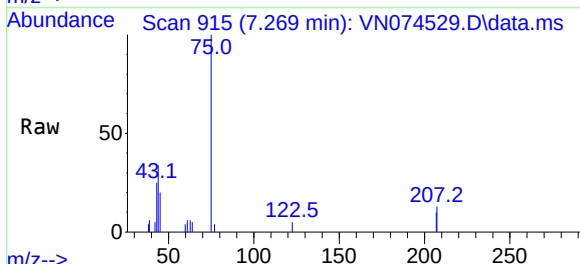
Instrument :
MSVOA_N
ClientSampleId :
MW-46

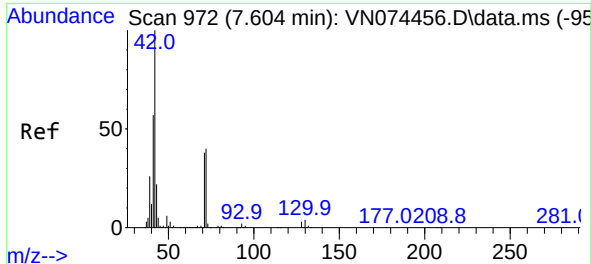
Tgt Ion: 96 Resp: 341
Ion Ratio Lower Upper
96 100
61 28.3 105.8 158.8#
98 0.0 50.3 75.5#



#25
2-Butanone
Concen: 0.288 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

Tgt Ion: 43 Resp: 1347
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.329 ug/l

RT: 7.604 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN074529.D

Acq: 16 Sep 2022 23:42

Instrument :

MSVOA_N

ClientSampleId :

MW-46

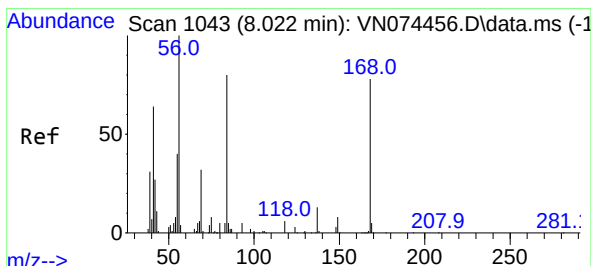
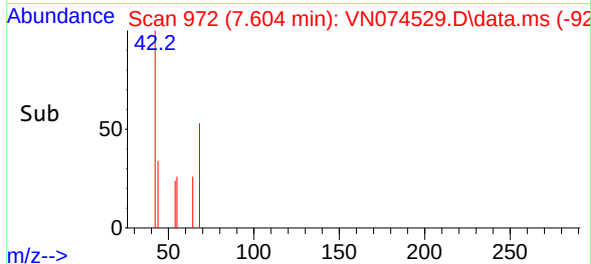
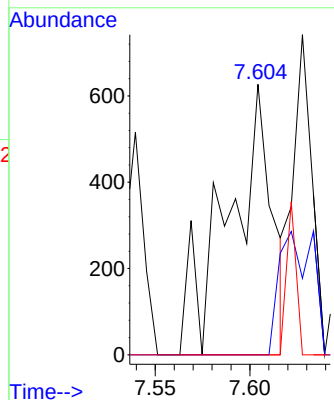
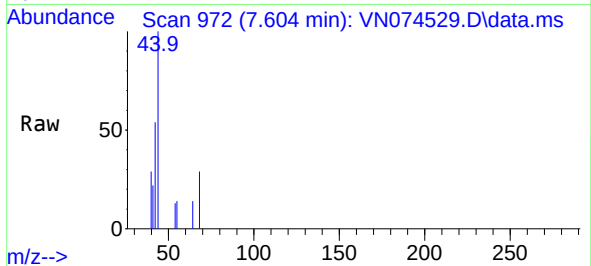
Tgt Ion: 42 Resp: 1014

Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 0.0 36.6 55.0#



#31

Cyclohexane

Concen: 1.201 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN074529.D

Acq: 16 Sep 2022 23:42

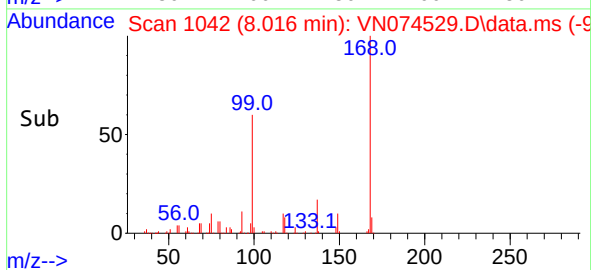
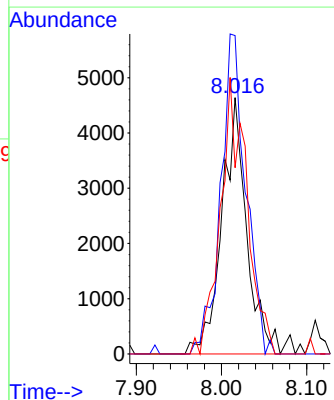
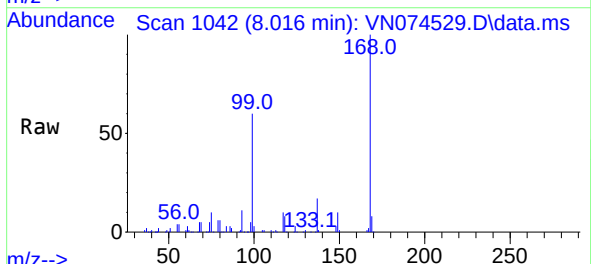
Tgt Ion: 56 Resp: 9389

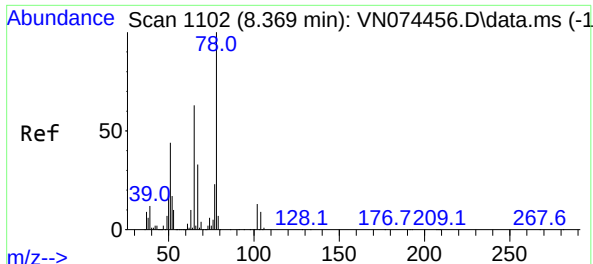
Ion Ratio Lower Upper

56 100

69 124.2 27.8 41.8#

84 72.7 76.9 115.3#

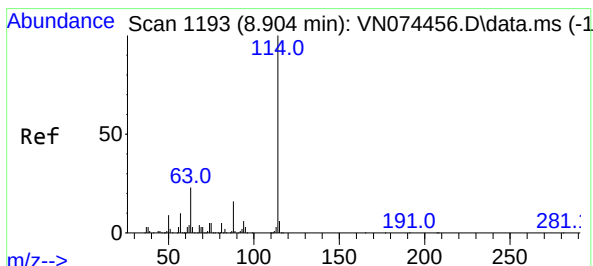
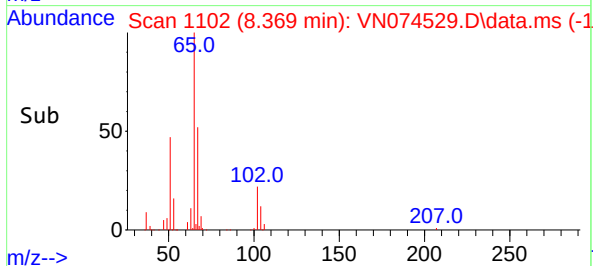
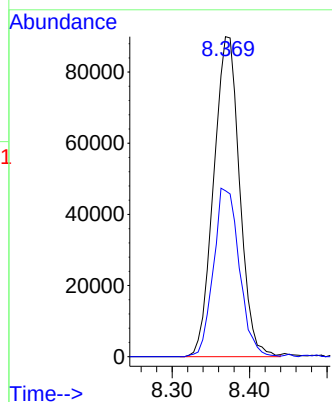
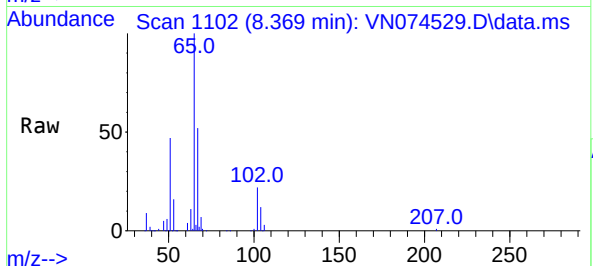




#33
1,2-Dichloroethane-d4
Concen: 47.499 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

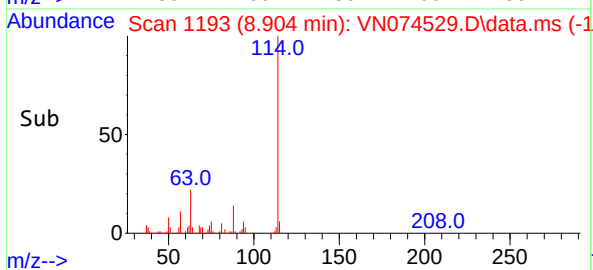
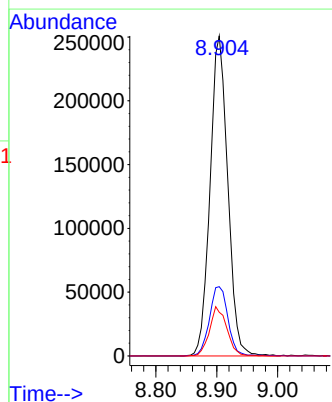
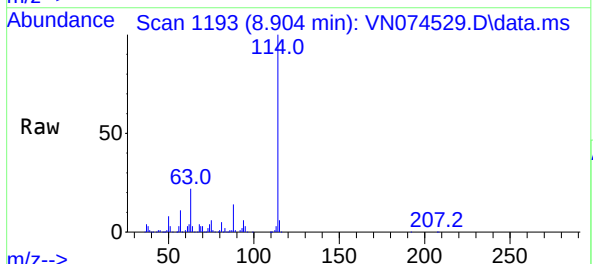
Instrument :
MSVOA_N
ClientSampleId :
MW-46

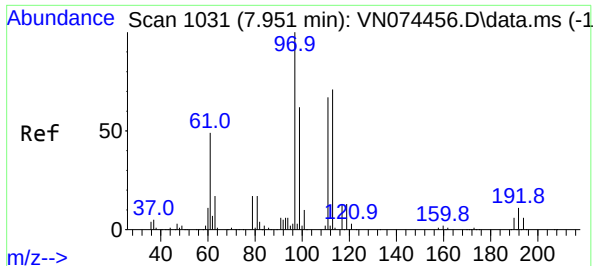
Tgt Ion: 65 Resp: 209276
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

Tgt Ion: 114 Resp: 505886
Ion Ratio Lower Upper
114 100
63 21.7 0.0 40.0
88 13.6 0.0 32.6

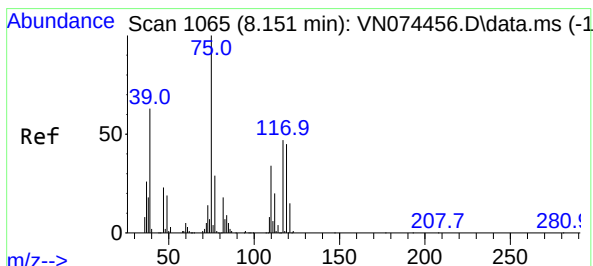
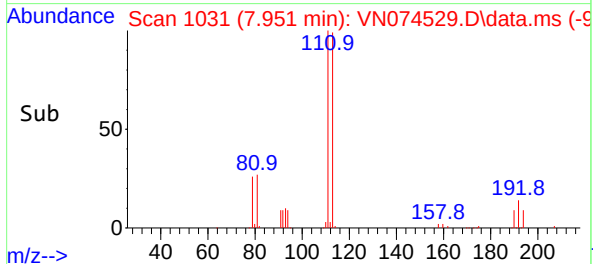
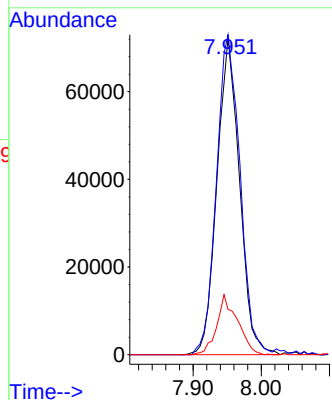
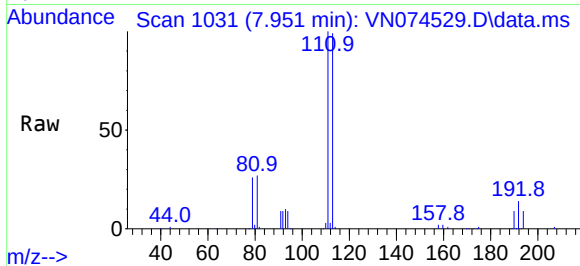




#35
Dibromofluoromethane
Concen: 49.495 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

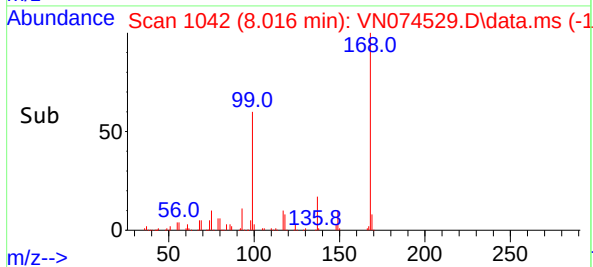
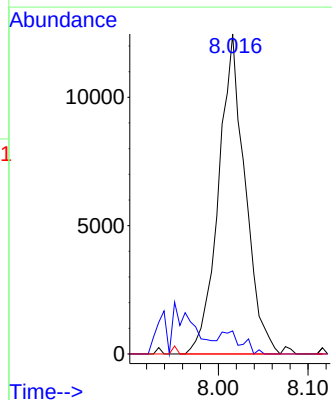
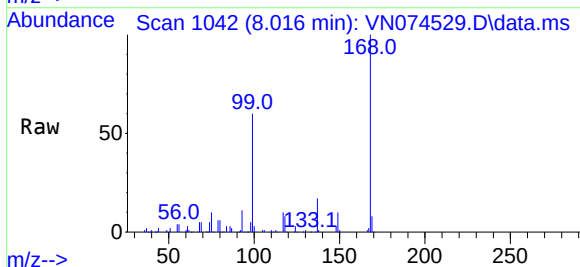
Instrument :
MSVOA_N
ClientSampleId :
MW-46

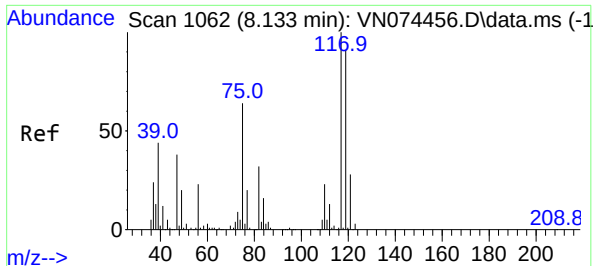
Tgt Ion:113 Resp: 166328
Ion Ratio Lower Upper
113 100
111 105.6 81.4 122.0
192 17.4 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.306 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

Tgt Ion: 75 Resp: 25613
Ion Ratio Lower Upper
75 100
110 5.5 18.3 54.8#
77 0.0 25.1 37.7#

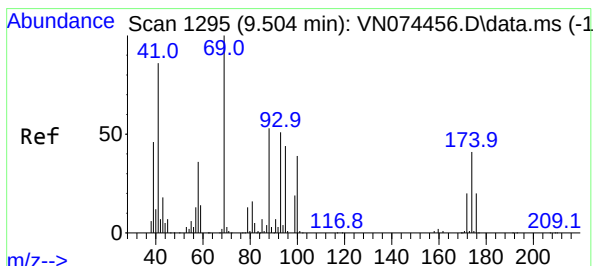
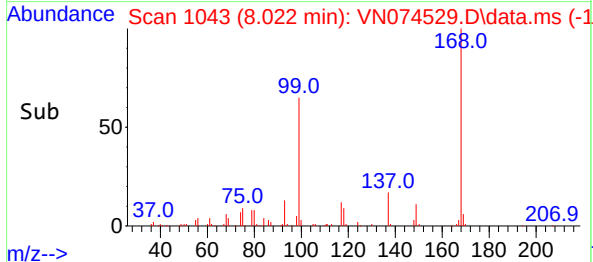
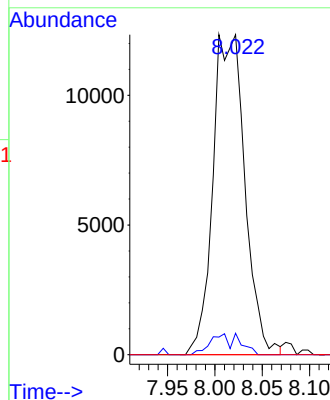
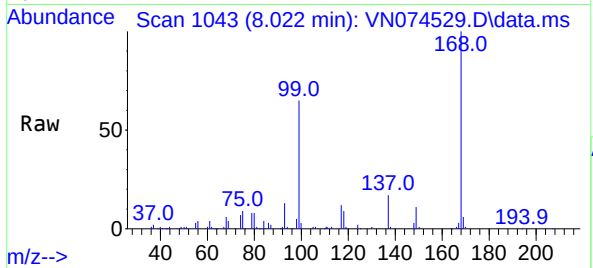




#38
Carbon Tetrachloride
Concen: 5.267 ug/l
RT: 8.022 min Scan# 11
Delta R.T. -0.111 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

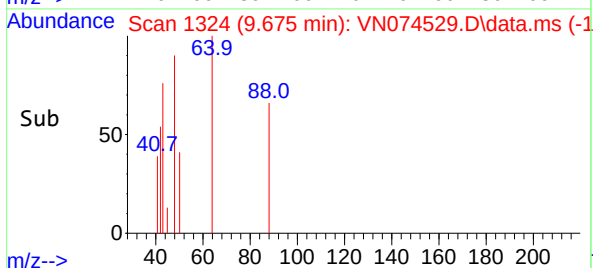
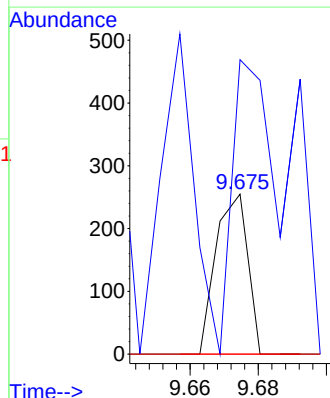
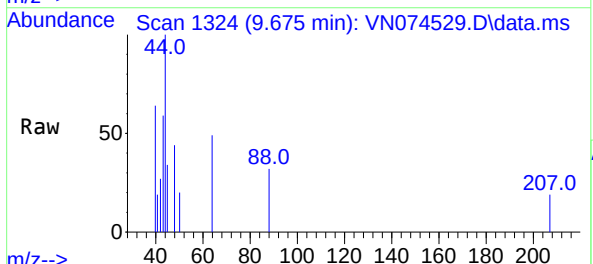
Instrument :
MSVOA_N
ClientSampleId :
MW-46

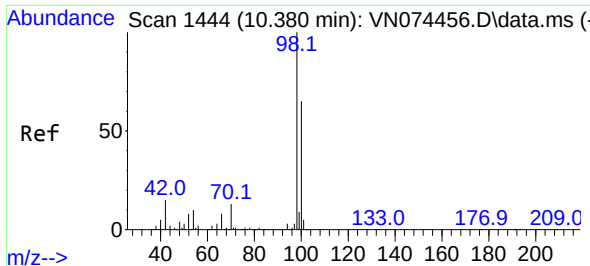
Tgt Ion:117 Resp: 28927
Ion Ratio Lower Upper
117 100
119 6.7 75.8 113.8#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 1.345 ug/l
RT: 9.675 min Scan# 1324
Delta R.T. 0.171 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

Tgt Ion: 88 Resp: 165
Ion Ratio Lower Upper
88 100
43 327.3 20.2 30.4#
58 0.0 54.2 81.4#

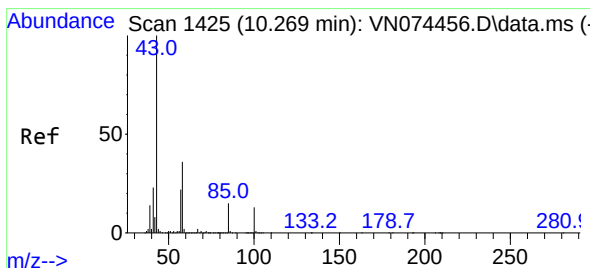
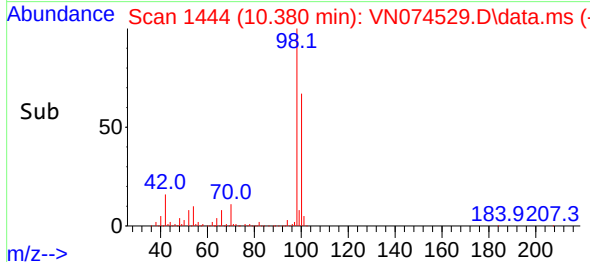
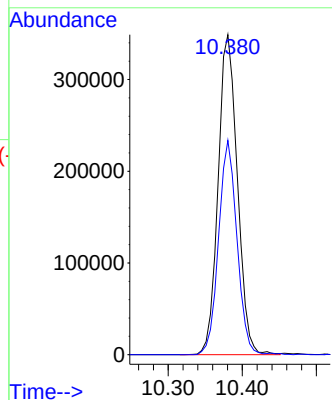
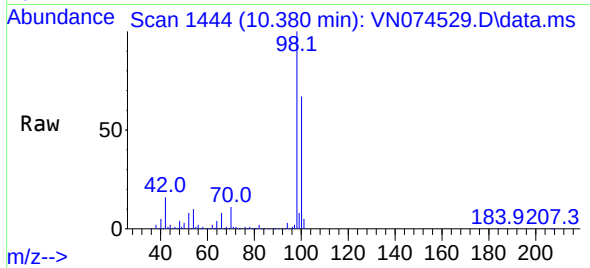




#50
Toluene-d8
Concen: 48.447 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

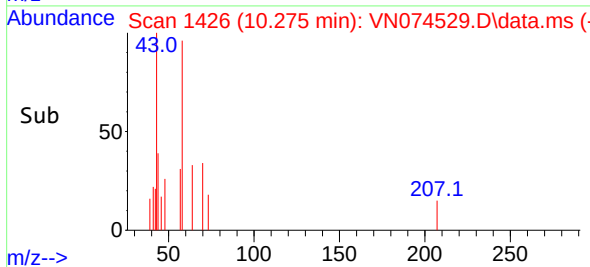
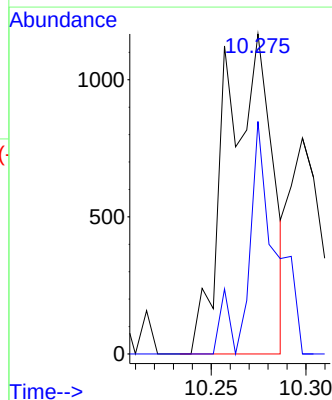
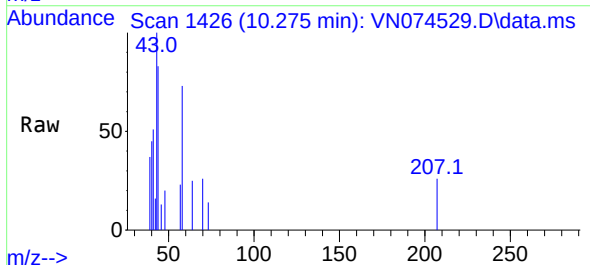
Instrument :
MSVOA_N
ClientSampleId :
MW-46

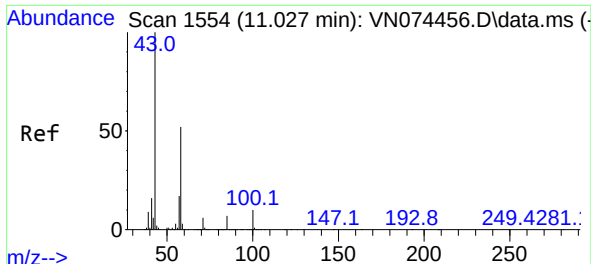
Tgt Ion: 98 Resp: 629628
Ion Ratio Lower Upper
98 100
100 63.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.209 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

Tgt Ion: 43 Resp: 1967
Ion Ratio Lower Upper
43 100
58 42.8 34.1 51.1

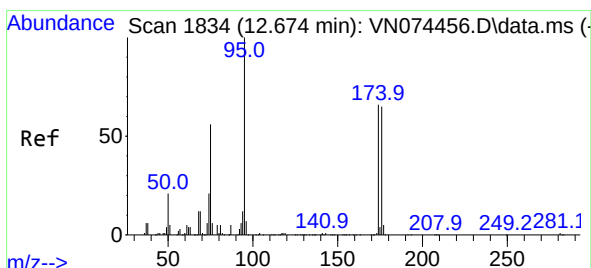
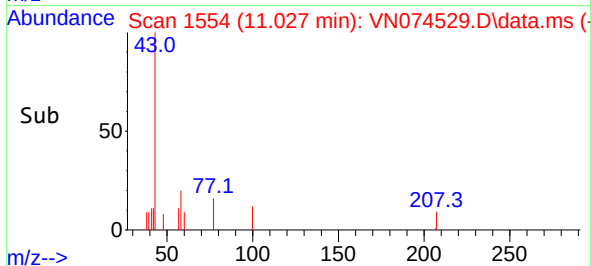
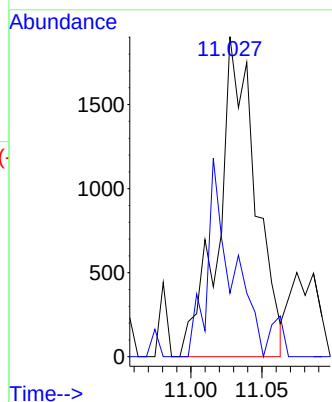
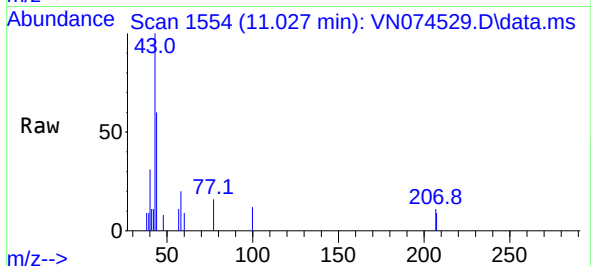




#59
2-Hexanone
Concen: 0.480 ug/l
RT: 11.027 min Scan# 1554
Delta R.T. 0.000 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

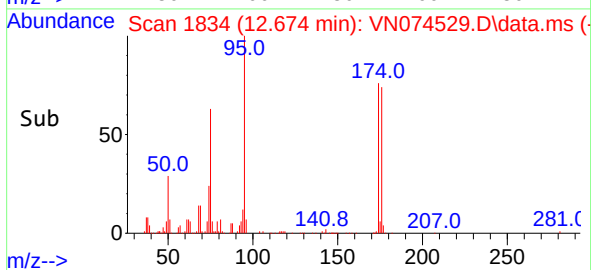
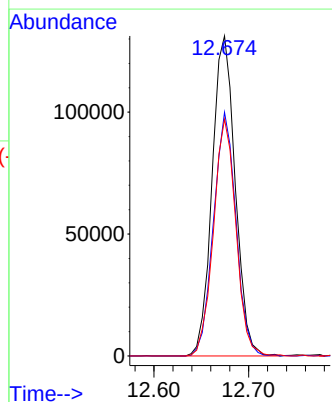
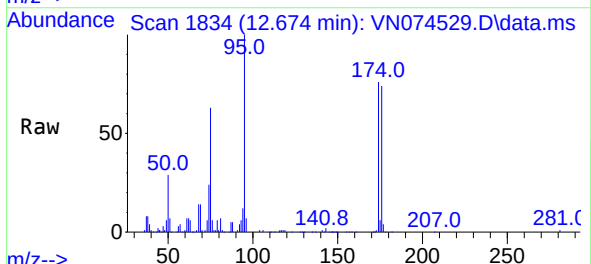
Instrument :
MSVOA_N
ClientSampleId :
MW-46

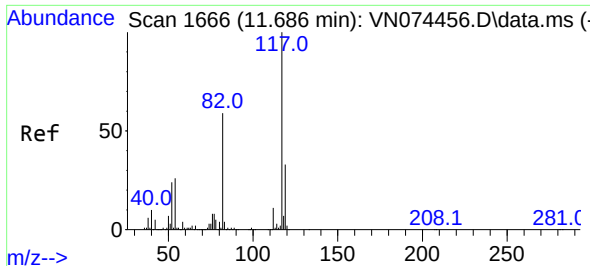
Tgt Ion: 43 Resp: 3440
Ion Ratio Lower Upper
43 100
58 41.4 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 49.977 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

Tgt Ion: 95 Resp: 222456
Ion Ratio Lower Upper
95 100
174 74.2 0.0 167.6
176 71.9 0.0 163.4

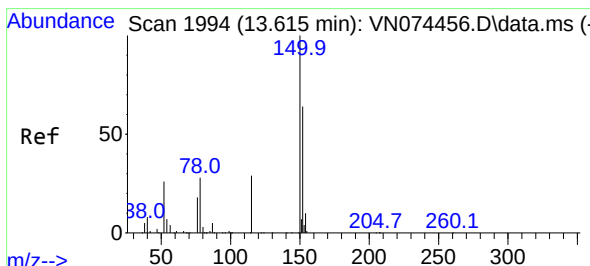
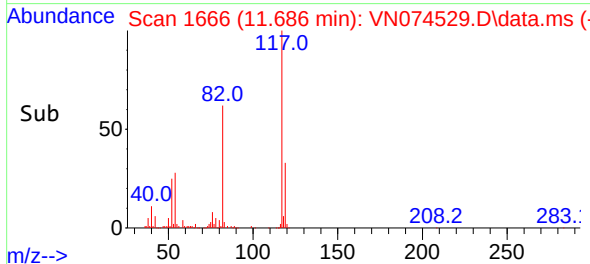
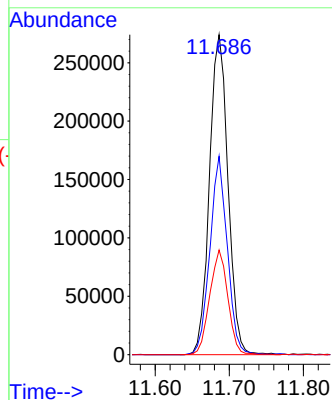
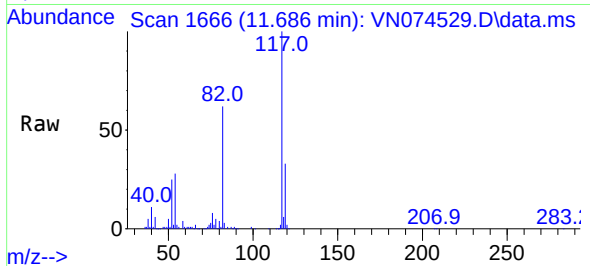




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

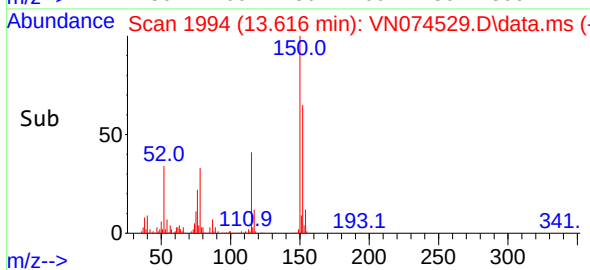
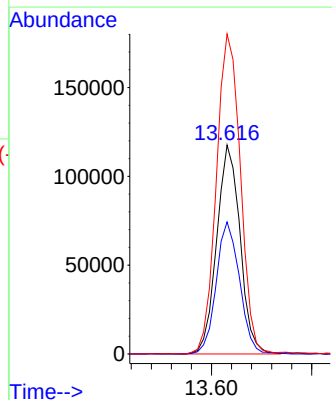
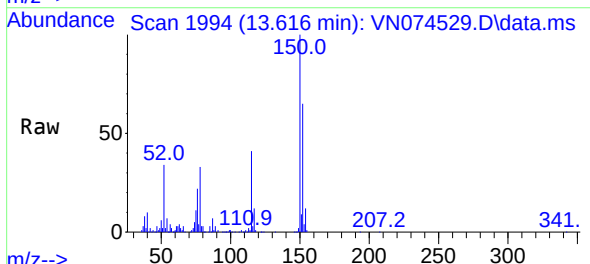
Instrument :
MSVOA_N
ClientSampleId :
MW-46

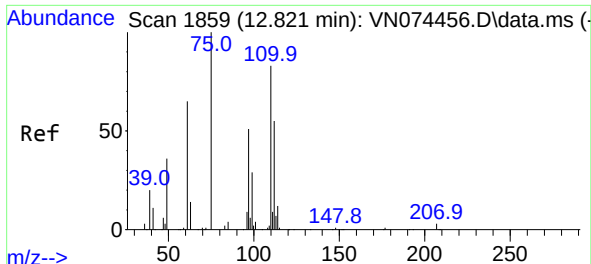
Tgt Ion:117 Resp: 475688
Ion Ratio Lower Upper
117 100
82 62.0 44.2 66.2
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

Tgt Ion:152 Resp: 190420
Ion Ratio Lower Upper
152 100
115 63.1 28.9 86.7
150 158.0 0.0 356.2

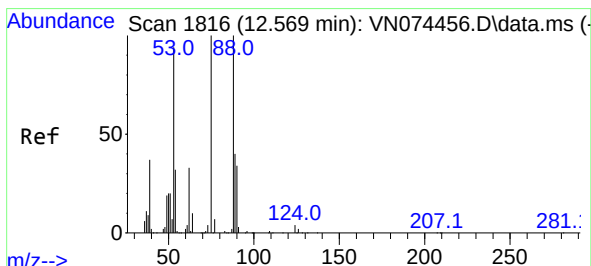
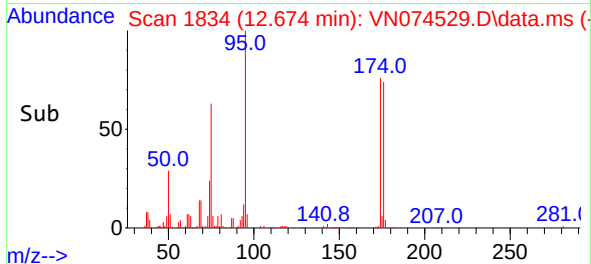
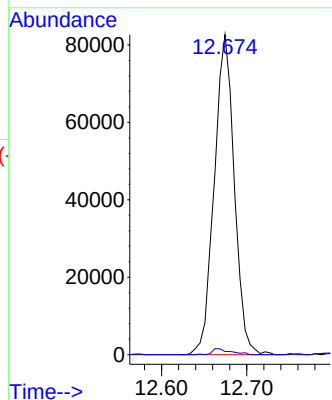
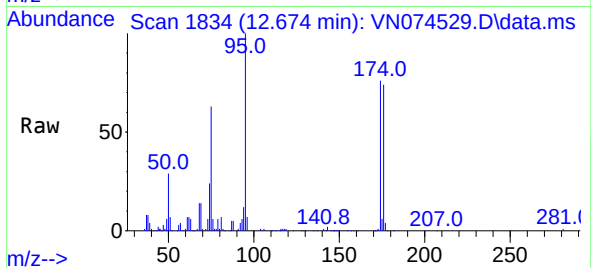




#76
1,2,3-Trichloropropane
Concen: 23.053 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

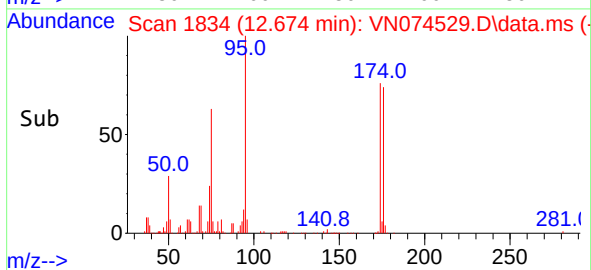
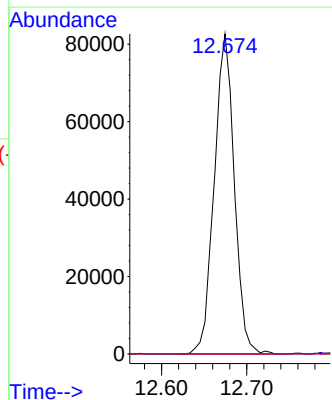
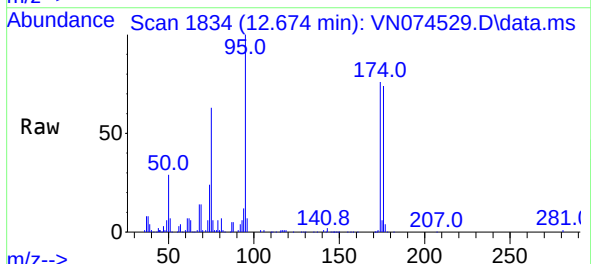
Instrument :
MSVOA_N
ClientSampleId :
MW-46

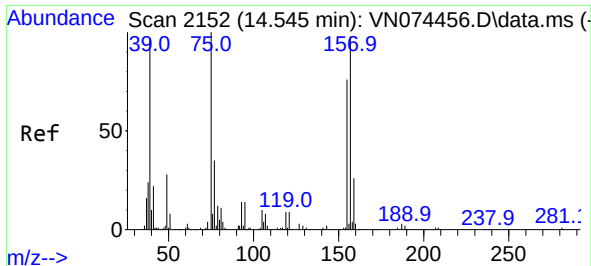
Tgt Ion: 75 Resp: 135118
Ion Ratio Lower Upper
75 100
77 1.7 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 49.755 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

Tgt Ion: 75 Resp: 135118
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

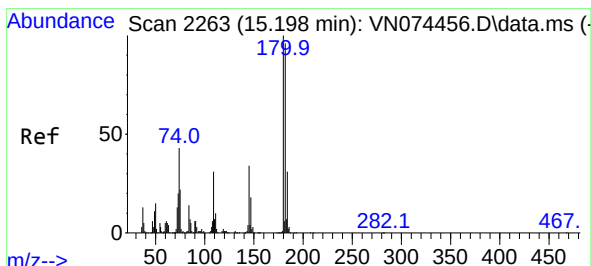
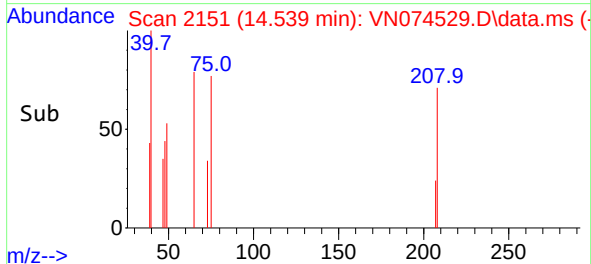
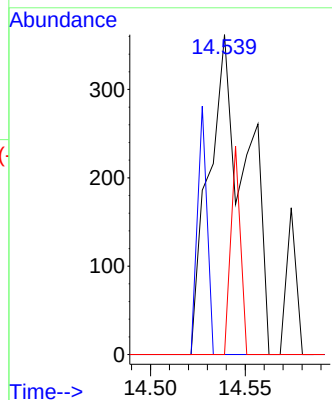
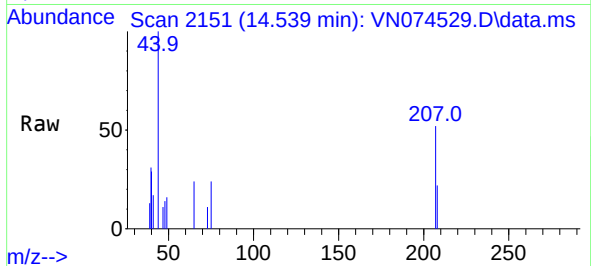




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.290 ug/l
RT: 14.539 min Scan# 2151
Delta R.T. -0.006 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

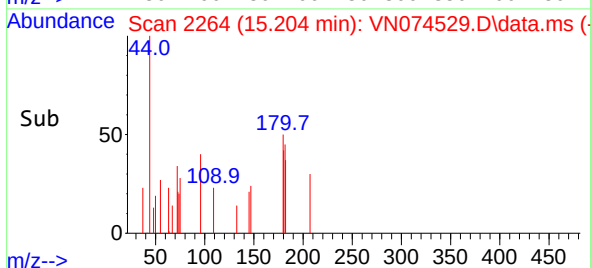
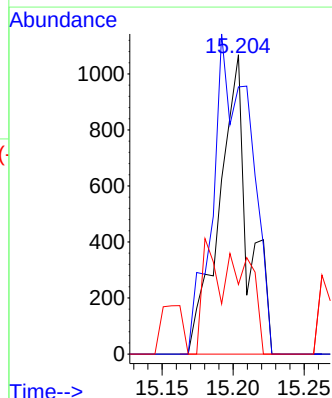
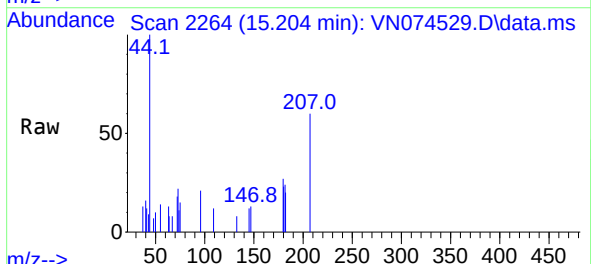
Instrument :
MSVOA_N
ClientSampleId :
MW-46

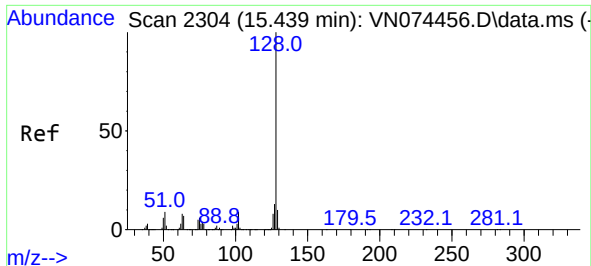
Tgt Ion: 75 Resp: 501
Ion Ratio Lower Upper
75 100
155 19.8 44.9 134.5#
157 16.6 59.0 176.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.399 ug/l
RT: 15.204 min Scan# 2264
Delta R.T. 0.006 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

Tgt Ion: 180 Resp: 1511
Ion Ratio Lower Upper
180 100
182 139.4 47.5 142.5
145 29.1 14.5 43.5

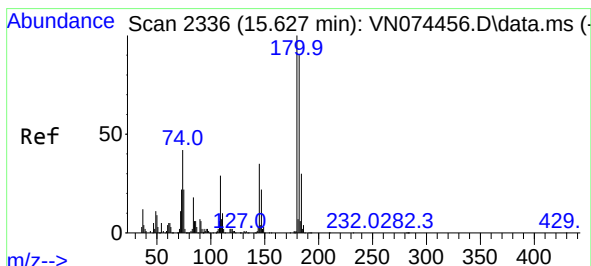
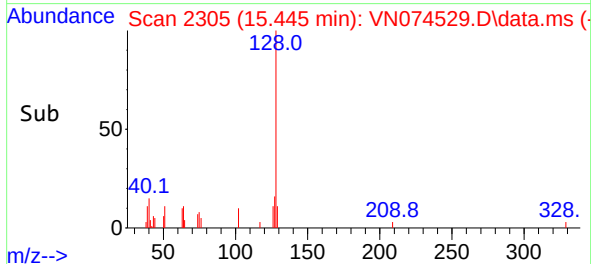
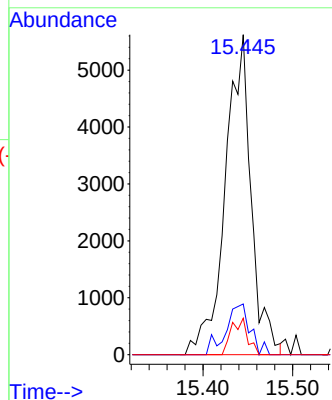
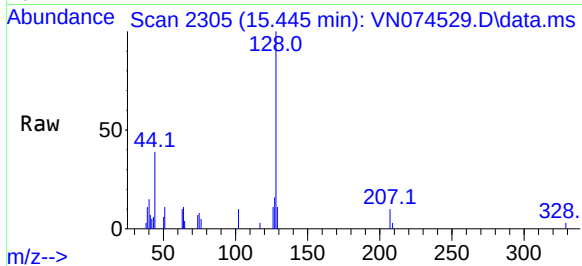




#95
Naphthalene
Concen: 2.260 ug/l
RT: 15.445 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

Instrument :
MSVOA_N
ClientSampleId :
MW-46

Tgt Ion:128 Resp: 11288
Ion Ratio Lower Upper
128 100
127 14.9 10.3 15.5
129 7.1 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.686 ug/l
RT: 15.627 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VN074529.D
Acq: 16 Sep 2022 23:42

Tgt Ion:180 Resp: 1405
Ion Ratio Lower Upper
180 100
182 162.3 47.8 143.3#
145 57.1 15.5 46.5#

