

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091722\
 Data File : VN074551.D
 Acq On : 17 Sep 2022 13:14
 Operator : JC\MD
 Sample : VN0917WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBL01

Quant Time: Sep 19 02:53:47 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)

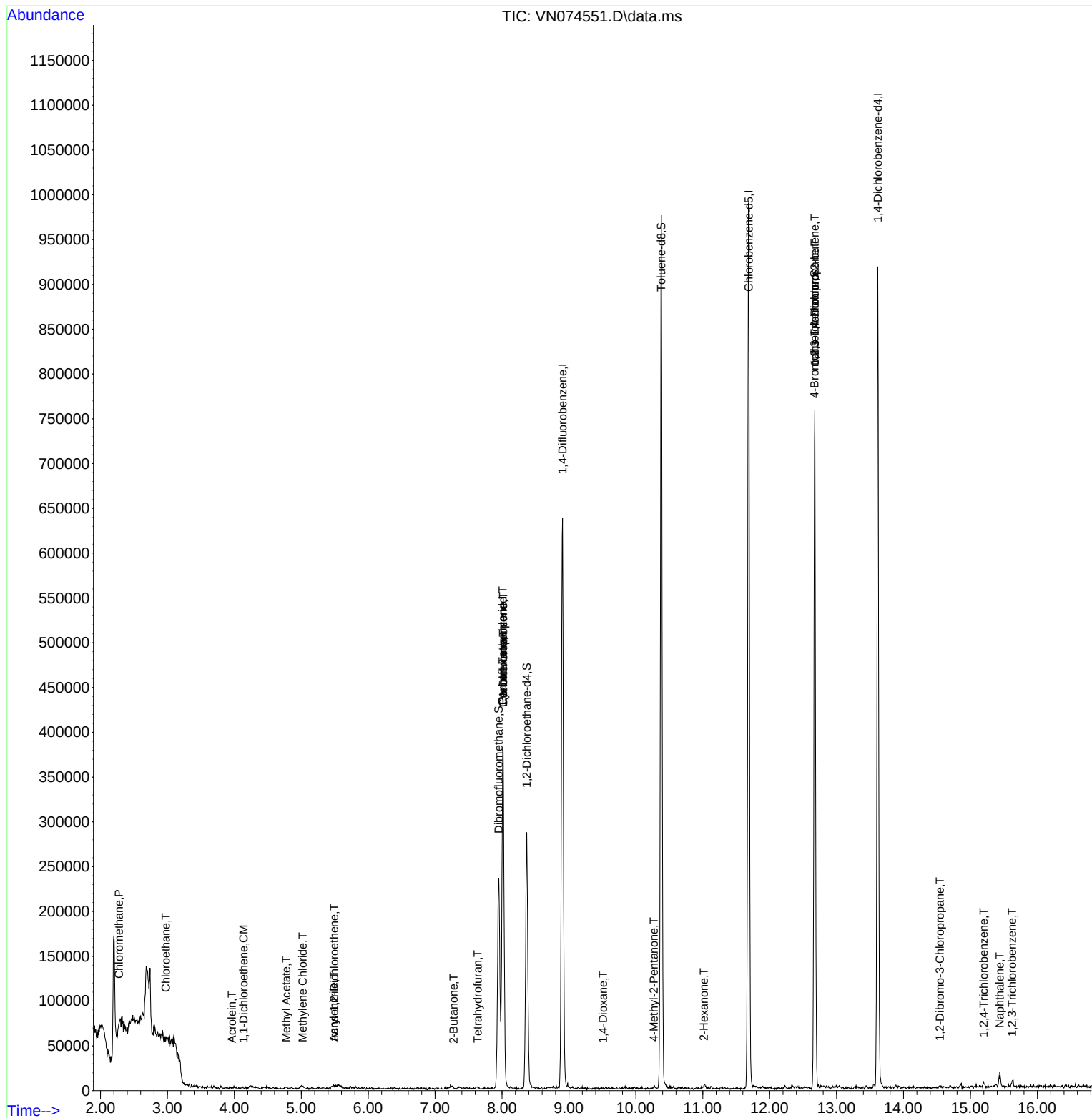
Internal Standards						
1) Pentafluorobenzene	8.010	168	264069	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.904	114	525172	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	513476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	215546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	206625	46.116	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.240%		
35) Dibromofluoromethane	7.951	113	167684	48.066	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.140%		
50) Toluene-d8	10.381	98	611409	45.317	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.640%		
62) 4-Bromofluorobenzene	12.669	95	225654	48.834	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.660%		
Target Compounds						Qvalue
3) Chloromethane	2.275	50	1512	0.570	ug/l	# 88
6) Chloroethane	2.975	64	4199	1.188	ug/l	# 60
12) 1,1-Dichloroethene	4.140	96	227	0.749	ug/l	# 8
13) Acrolein	3.963	56	442	0.829	ug/l	# 58
15) Acrylonitrile	5.487	53	2258	0.689	ug/l	# 22
18) Methyl Acetate	4.775	43	3735	0.419	ug/l	# 74
20) Methylene Chloride	5.022	84	1839	0.451	ug/l	# 68
21) trans-1,2-Dichloroethene	5.493	96	230	0.489	ug/l	# 71
25) 2-Butanone	7.275	43	1404	0.295	ug/l	# 45
29) Tetrahydrofuran	7.634	42	1959	0.626	ug/l	# 46
31) Cyclohexane	8.016	56	8294	1.043	ug/l	# 55
36) 1,1-Dichloropropene	8.016	75	24797	4.016	ug/l	# 50
38) Carbon Tetrachloride	8.010	117	27850	4.885	ug/l	# 16
49) 1,4-Dioxane	9.510	88	56	0.440	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.269	43	2022	0.207	ug/l	# 74
59) 2-Hexanone	11.016	43	3972	0.533	ug/l	83
76) 1,2,3-Trichloropropane	12.674	75	136762	20.613	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.674	75	136762	44.490	ug/l	# 10
92) 1,2-Dibromo-3-Chloropr...	14.545	75	553	0.283	ug/l	# 18
93) 1,2,4-Trichlorobenzene	15.198	180	2318	0.541	ug/l	92
95) Naphthalene	15.439	128	11256	2.180	ug/l	# 95
96) 1,2,3-Trichlorobenzene	15.621	180	2508	1.887	ug/l	90

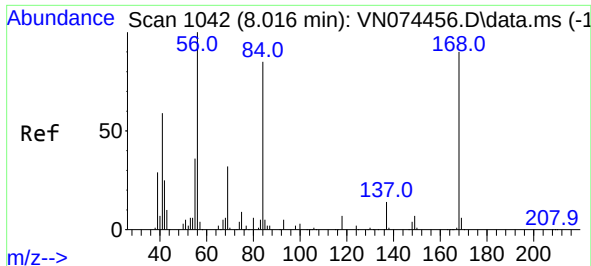
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

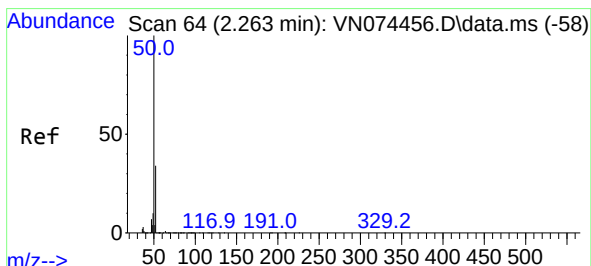
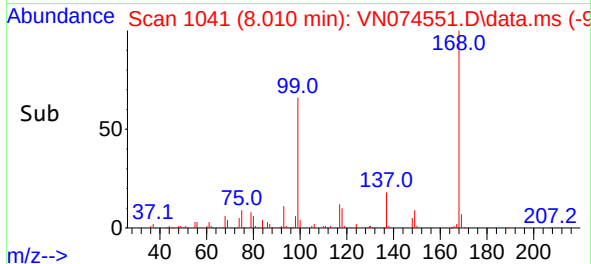
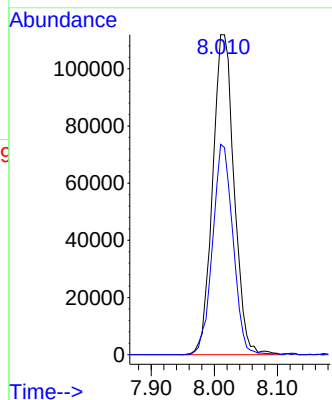
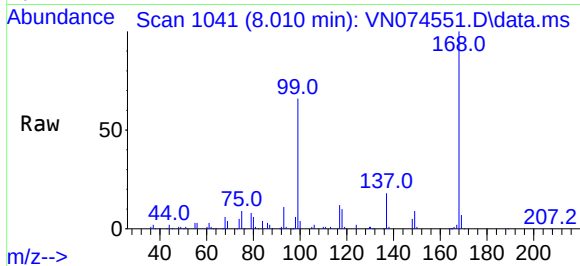




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.010 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

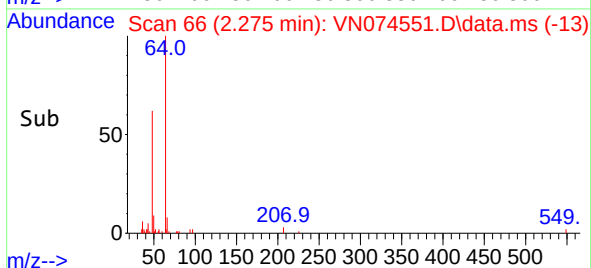
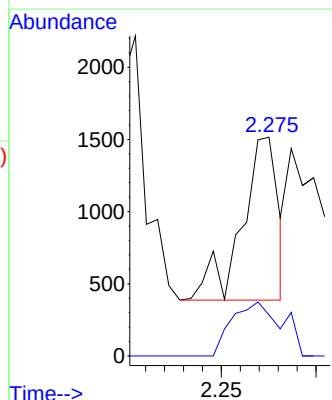
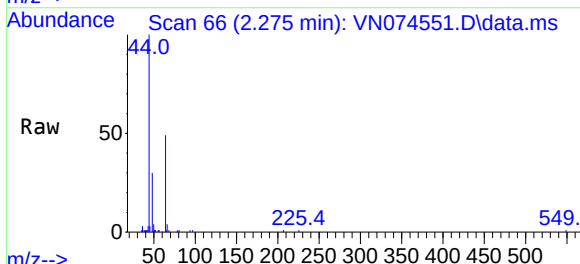
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

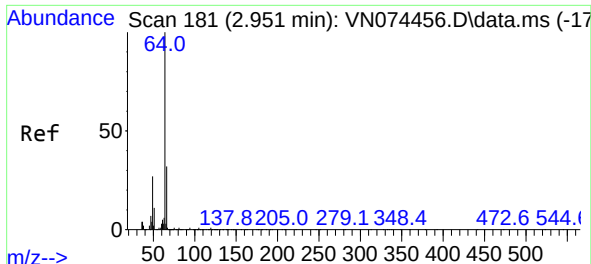
Tgt Ion:168 Resp: 264069
Ion Ratio Lower Upper
168 100
99 65.8 42.3 63.5#



#3
Chloromethane
Concen: 0.570 ug/l
RT: 2.275 min Scan# 66
Delta R.T. 0.012 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

Tgt Ion: 50 Resp: 1512
Ion Ratio Lower Upper
50 100
52 25.2 25.7 38.5#

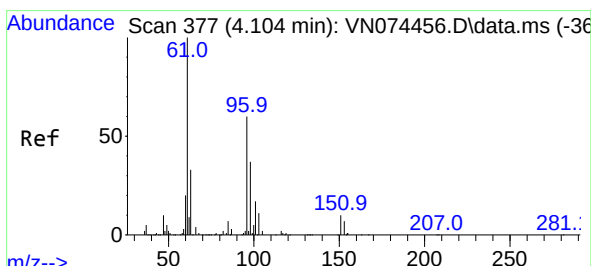
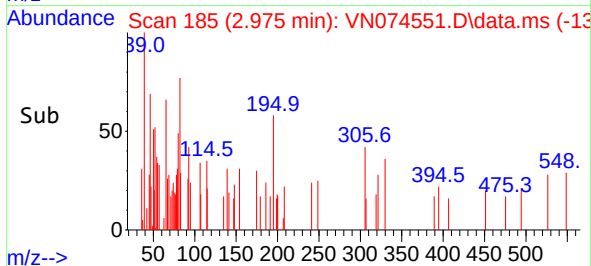
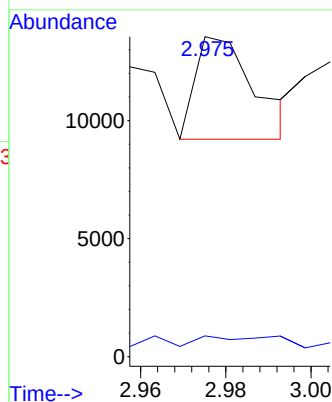
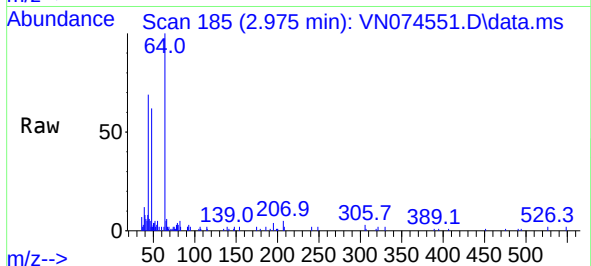




#6
Chloroethane
Concen: 1.188 ug/l
RT: 2.975 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

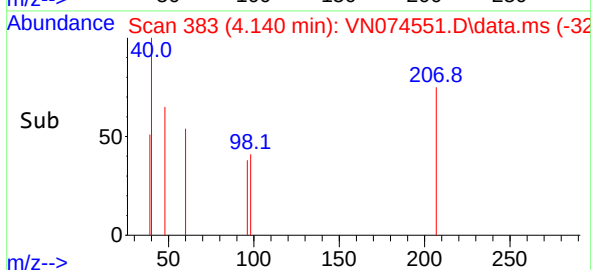
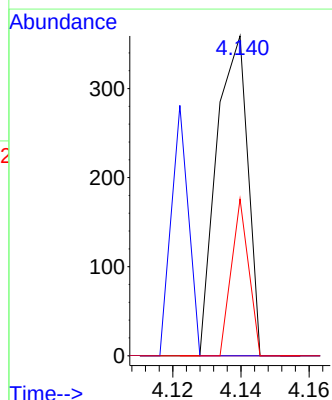
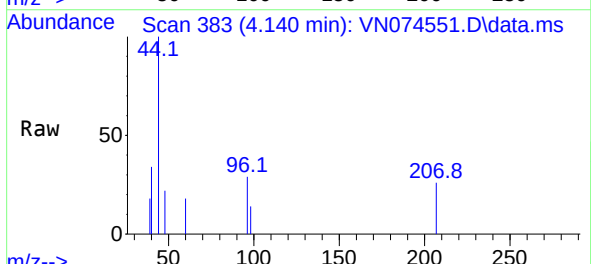
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

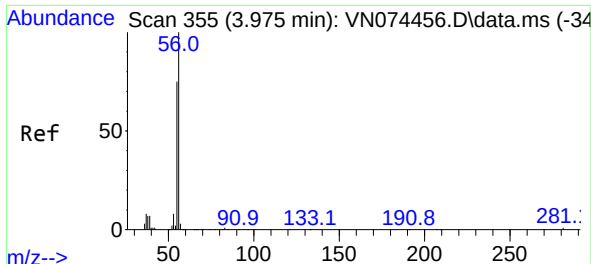
Tgt Ion: 64 Resp: 4199
Ion Ratio Lower Upper
64 100
66 10.2 26.2 39.4#



#12
1,1-Dichloroethene
Concen: 0.749 ug/l
RT: 4.140 min Scan# 383
Delta R.T. 0.036 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

Tgt Ion: 96 Resp: 227
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 49.0 51.2 76.8#

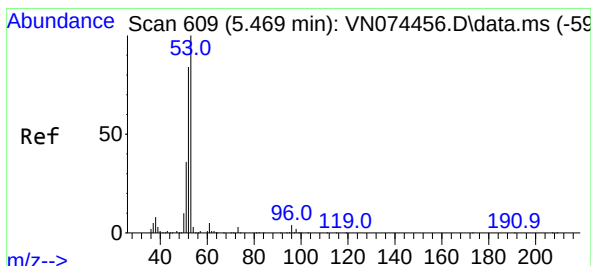
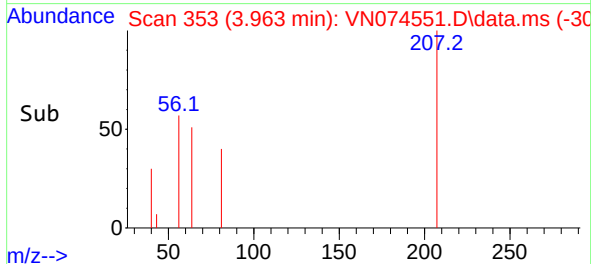
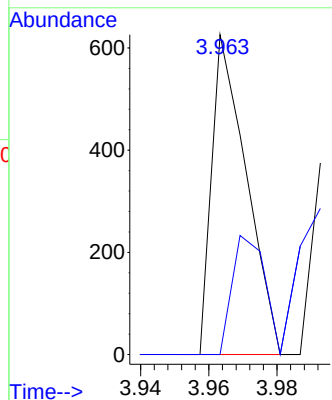
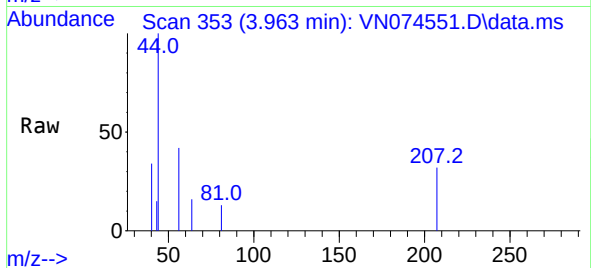




#13
Acrolein
Concen: 0.829 ug/l
RT: 3.963 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

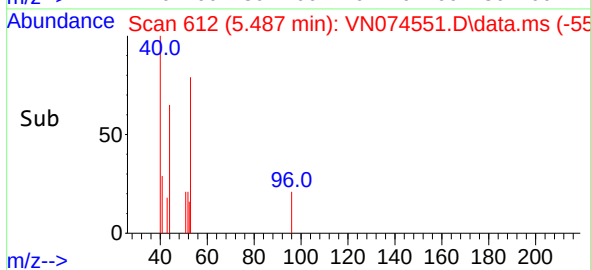
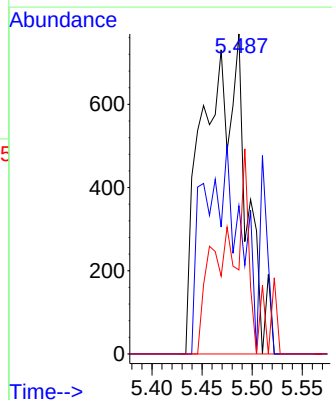
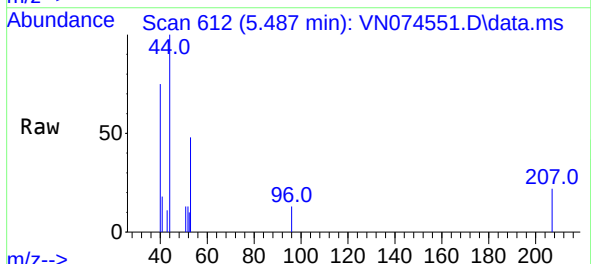
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

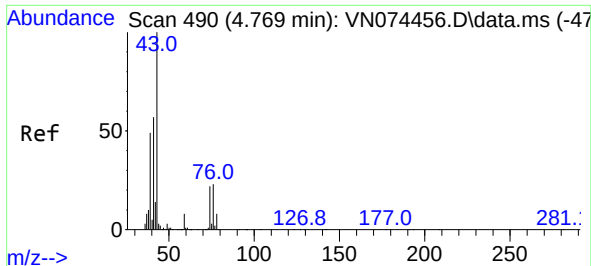
Tgt Ion: 56 Resp: 442
Ion Ratio Lower Upper
56 100
55 34.6 54.8 82.2#



#15
Acrylonitrile
Concen: 0.689 ug/l
RT: 5.487 min Scan# 612
Delta R.T. 0.018 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

Tgt Ion: 53 Resp: 2258
Ion Ratio Lower Upper
53 100
52 0.0 66.4 99.6#
51 10.2 28.5 42.7#

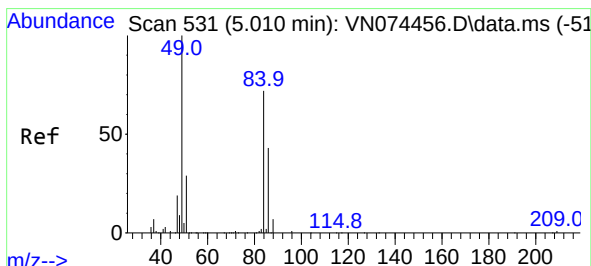
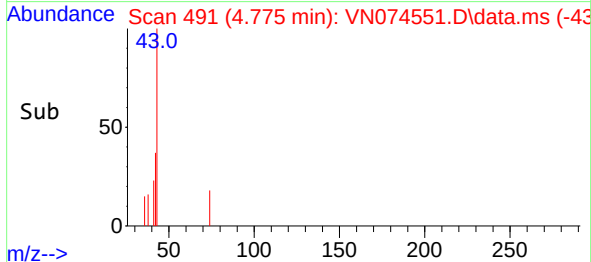
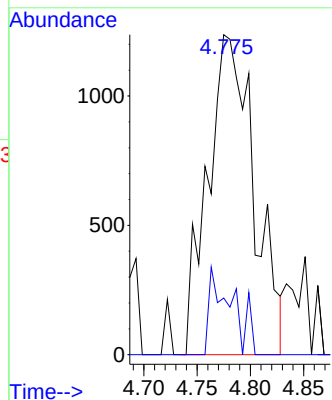
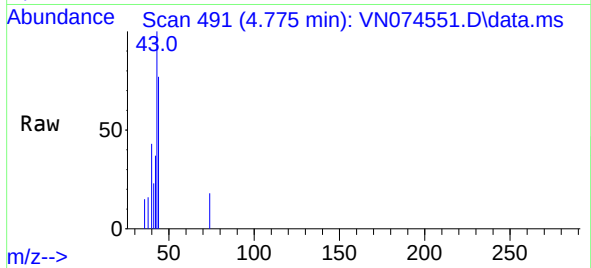




#18
Methyl Acetate
Concen: 0.419 ug/l
RT: 4.775 min Scan# 491
Delta R.T. 0.006 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

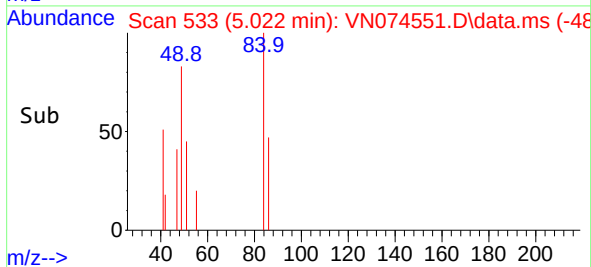
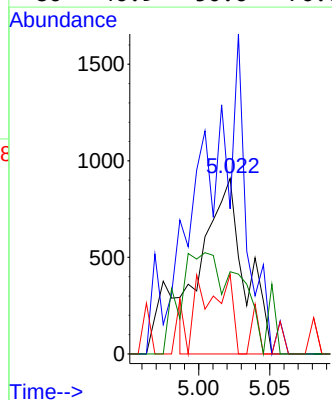
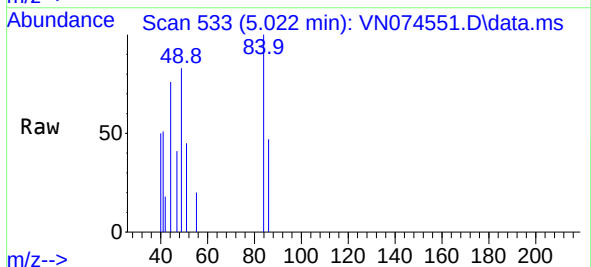
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

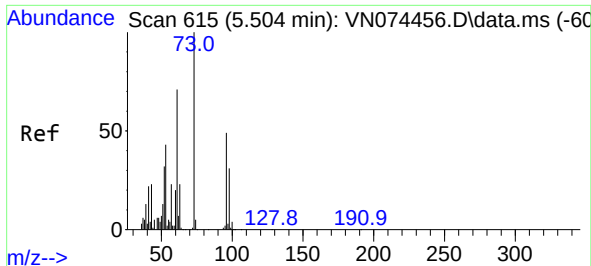
Tgt Ion: 43 Resp: 3735
Ion Ratio Lower Upper
43 100
74 13.6 21.6 32.4#



#20
Methylene Chloride
Concen: 0.451 ug/l
RT: 5.022 min Scan# 533
Delta R.T. 0.012 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

Tgt Ion: 84 Resp: 1839
Ion Ratio Lower Upper
84 100
49 63.8 88.3 132.5#
51 26.8 28.2 42.2#
86 46.9 50.6 76.0#

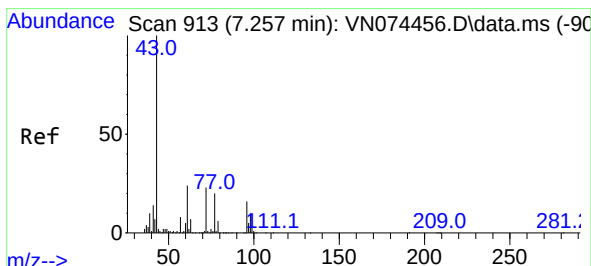
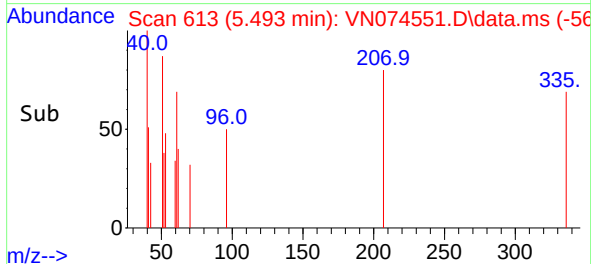
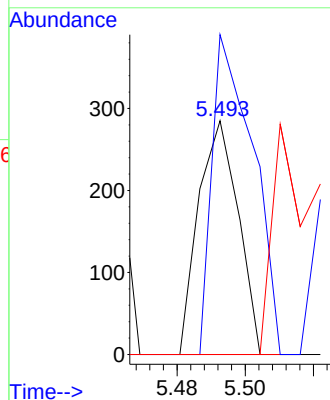
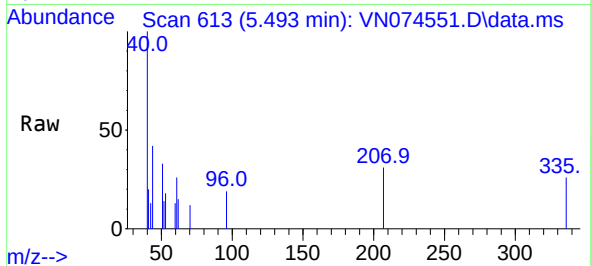




#21
trans-1,2-Dichloroethene
Concen: 0.489 ug/l
RT: 5.493 min Scan# 615
Delta R.T. -0.011 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

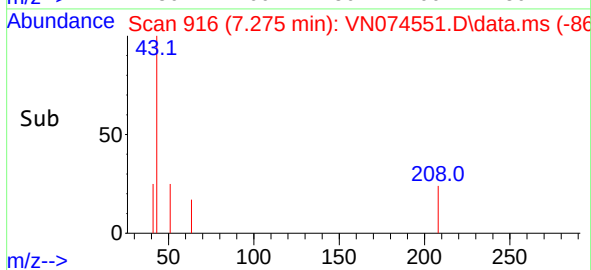
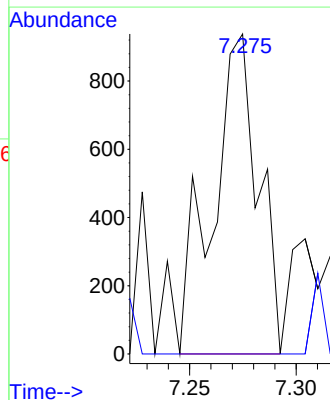
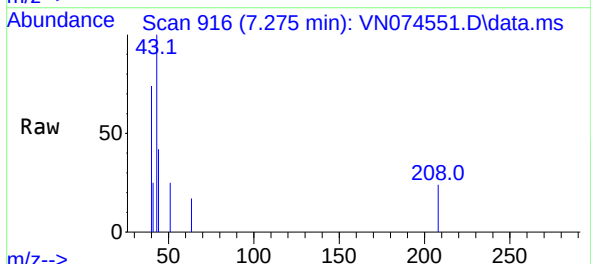
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

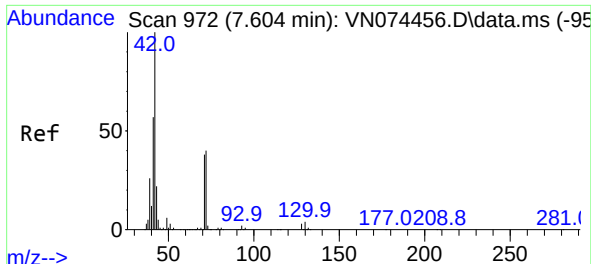
Tgt Ion: 96 Resp: 230
Ion Ratio Lower Upper
96 100
61 136.8 105.8 158.8
98 0.0 50.3 75.5#



#25
2-Butanone
Concen: 0.295 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.018 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

Tgt Ion: 43 Resp: 1404
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.626 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.030 min

Lab File: VN074551.D

Acq: 17 Sep 2022 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBL01

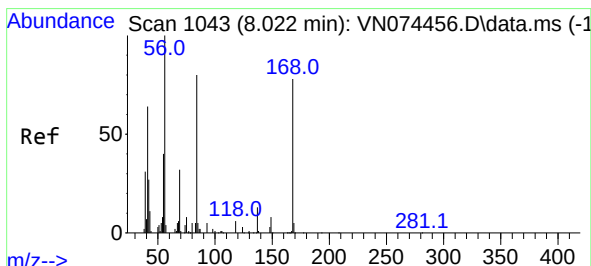
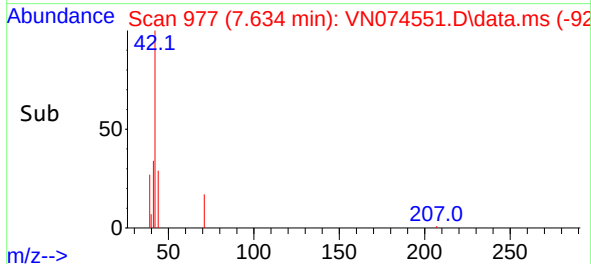
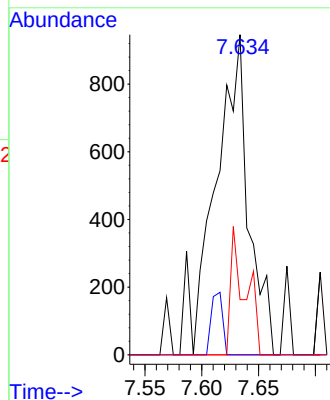
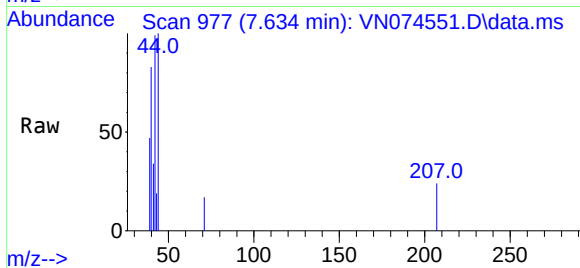
Tgt Ion: 42 Resp: 1959

Ion Ratio Lower Upper

42 100

72 6.4 39.7 59.5#

71 17.2 36.6 55.0#



#31

Cyclohexane

Concen: 1.043 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN074551.D

Acq: 17 Sep 2022 13:14

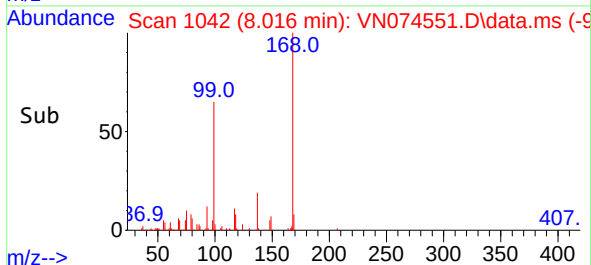
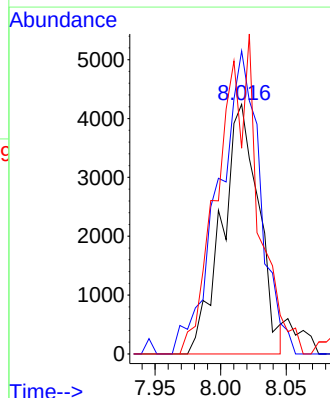
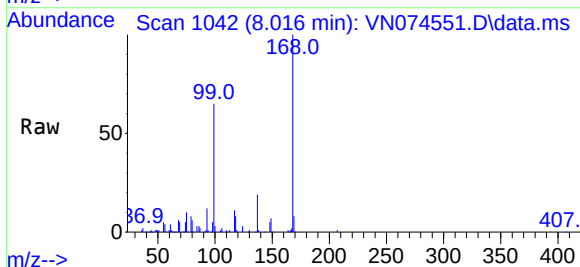
Tgt Ion: 56 Resp: 8294

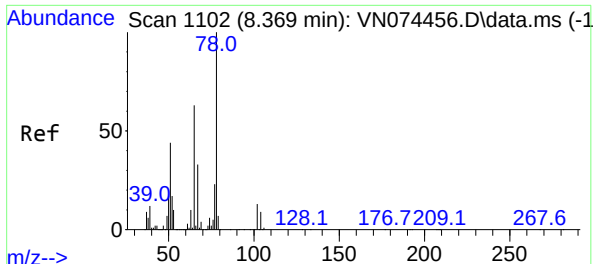
Ion Ratio Lower Upper

56 100

69 110.0 27.8 41.8#

84 82.5 76.9 115.3

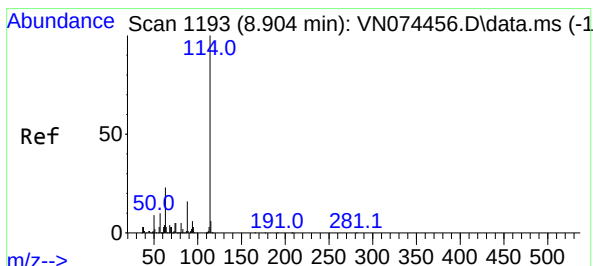
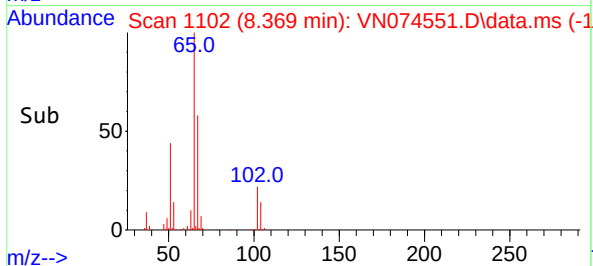
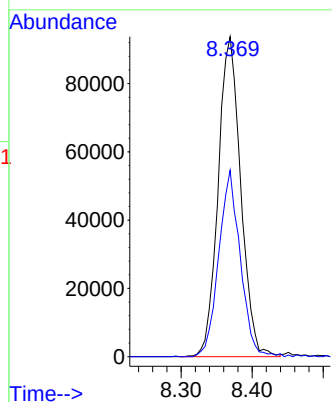
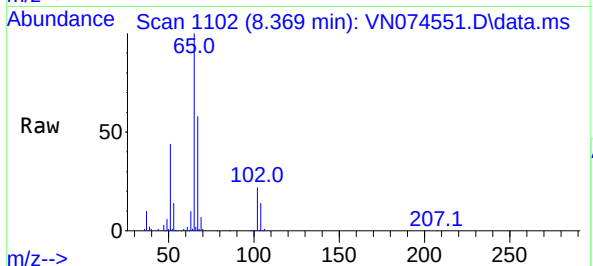




#33
1,2-Dichloroethane-d4
Concen: 46.116 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

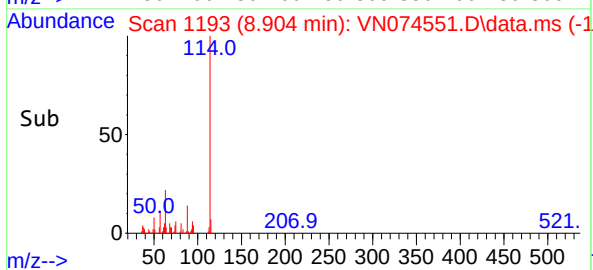
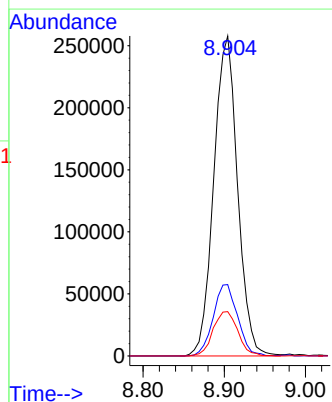
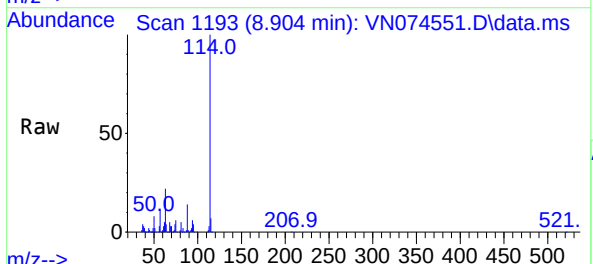
Instrument :
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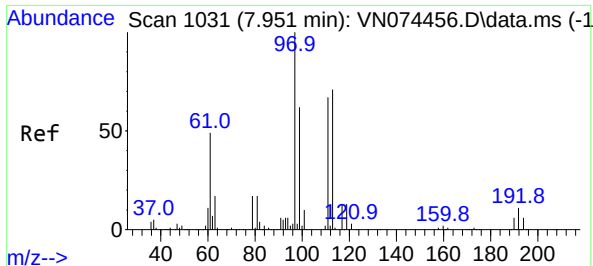
Tgt Ion: 65 Resp: 206625
Ion Ratio Lower Upper
65 100
67 55.5 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

Tgt Ion: 114 Resp: 525172
Ion Ratio Lower Upper
114 100
63 22.3 0.0 40.0
88 13.8 0.0 32.6

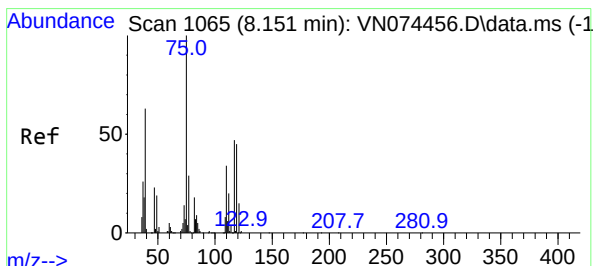
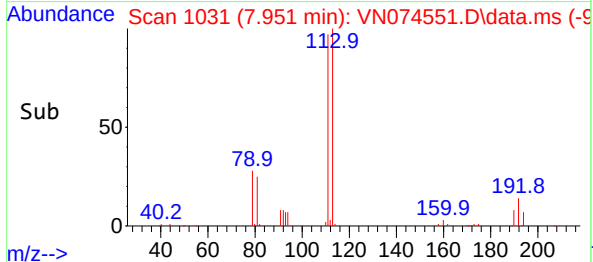
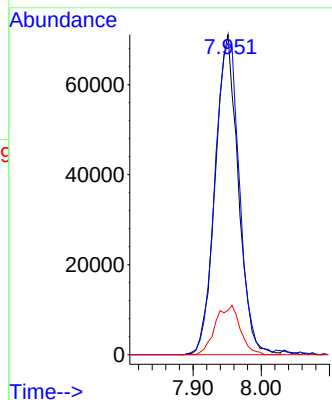
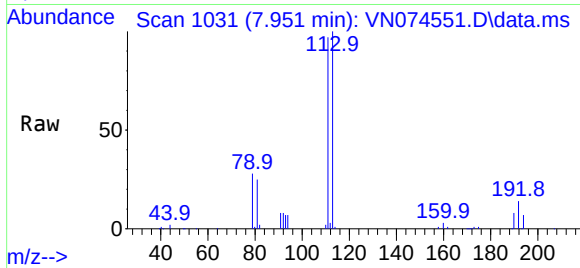




#35
Dibromofluoromethane
Concen: 48.066 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

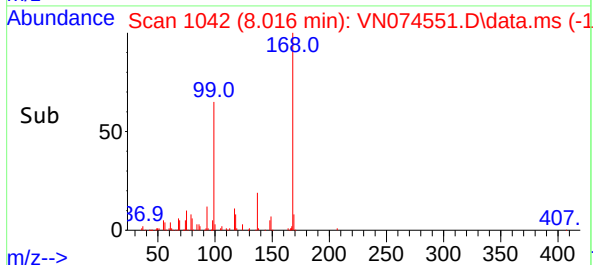
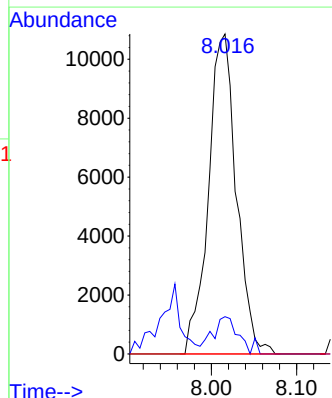
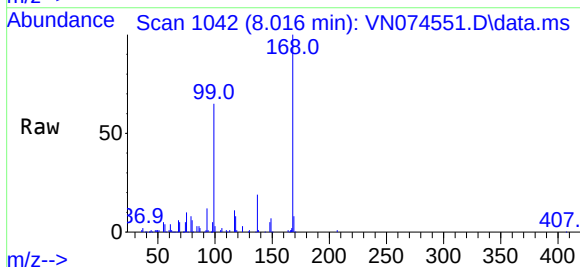
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

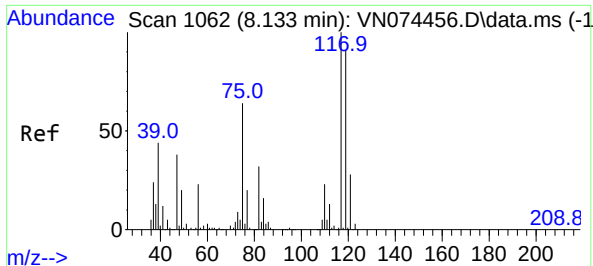
Tgt Ion:113 Resp: 167684
Ion Ratio Lower Upper
113 100
111 103.6 81.4 122.0
192 16.5 17.0 25.6#



#36
1,1-Dichloropropene
Concen: 4.016 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

Tgt Ion: 75 Resp: 24797
Ion Ratio Lower Upper
75 100
110 10.2 18.3 54.8#
77 0.0 25.1 37.7#

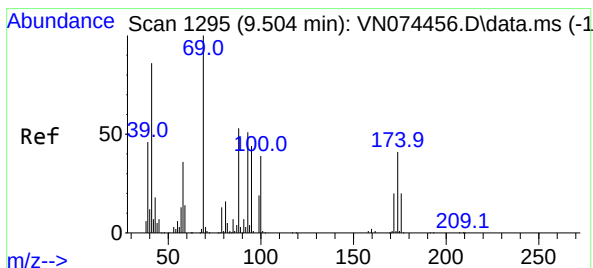
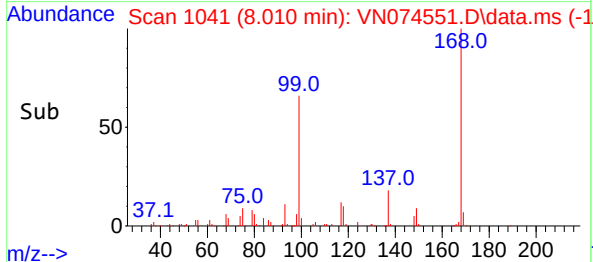
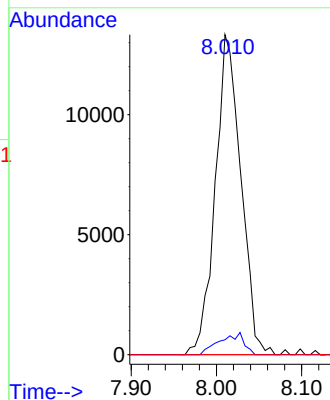
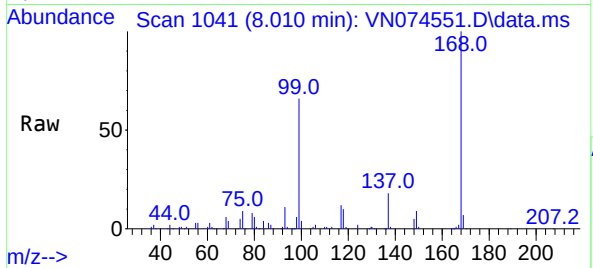




#38
Carbon Tetrachloride
Concen: 4.885 ug/l
RT: 8.010 min Scan# 117
Delta R.T. -0.123 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

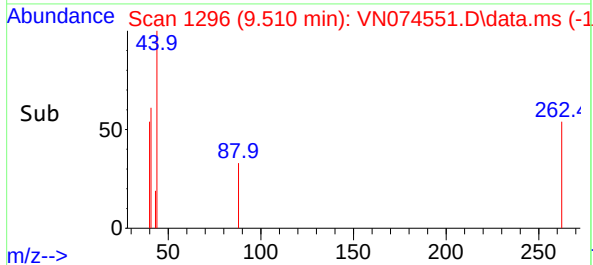
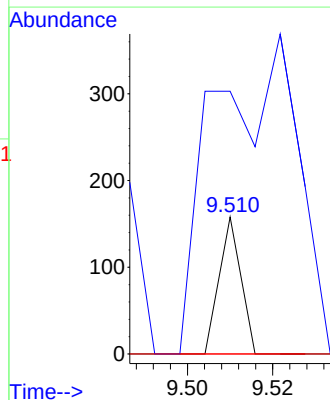
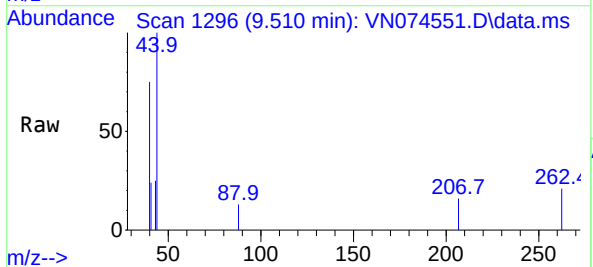
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

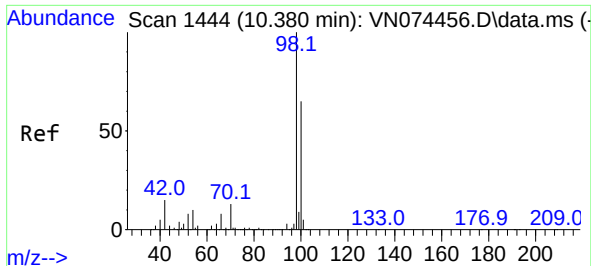
Tgt Ion:117 Resp: 27850
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.8#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 0.440 ug/l
RT: 9.510 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 885.7 20.2 30.4#
58 0.0 54.2 81.4#

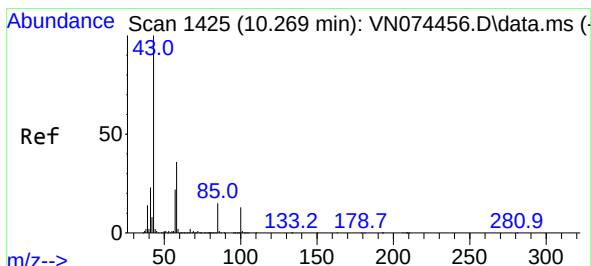
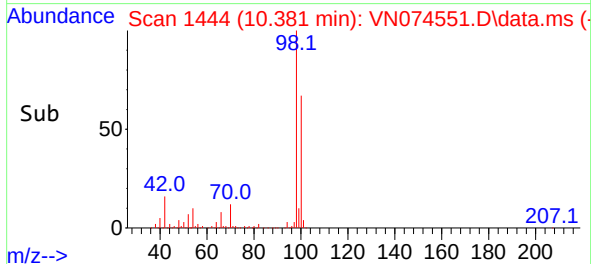
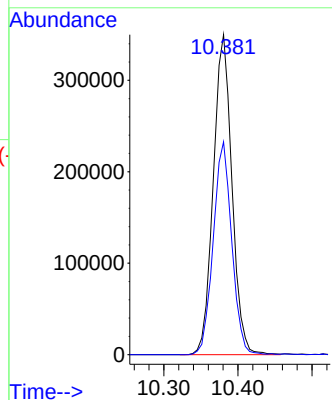
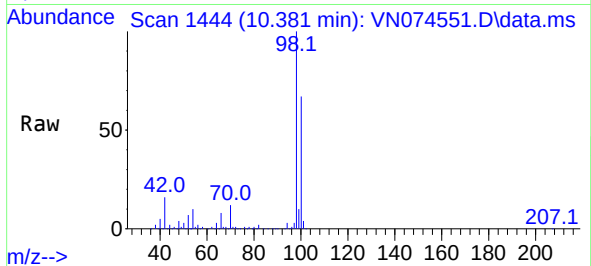




#50
Toluene-d8
Concen: 45.317 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

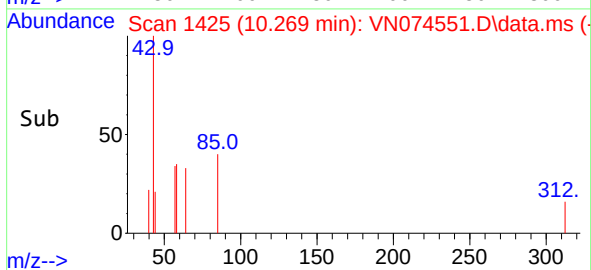
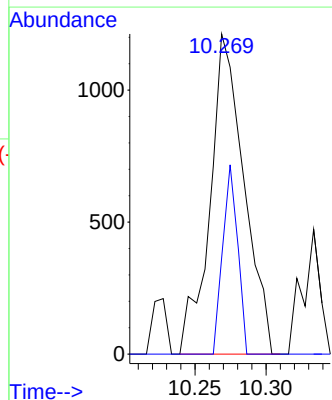
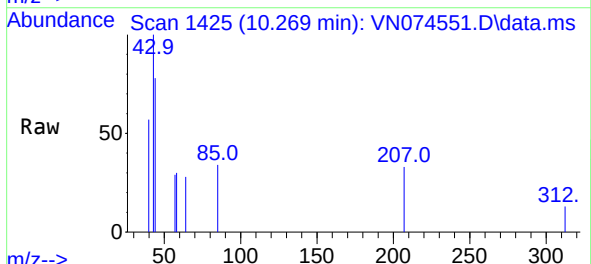
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

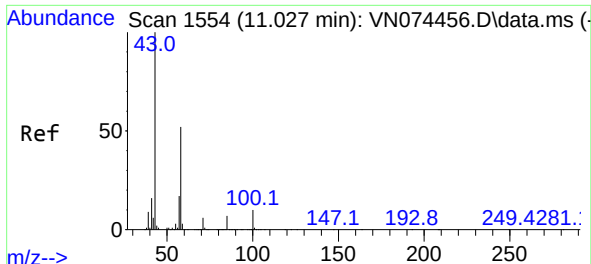
Tgt Ion: 98 Resp: 611409
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.207 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

Tgt Ion: 43 Resp: 2022
Ion Ratio Lower Upper
43 100
58 25.8 34.1 51.1#

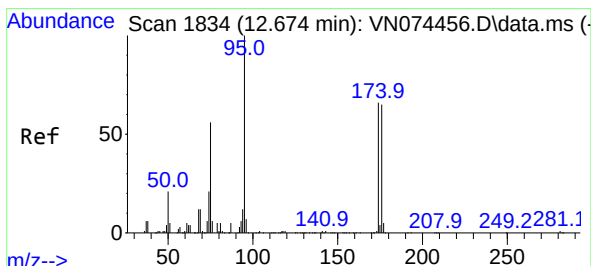
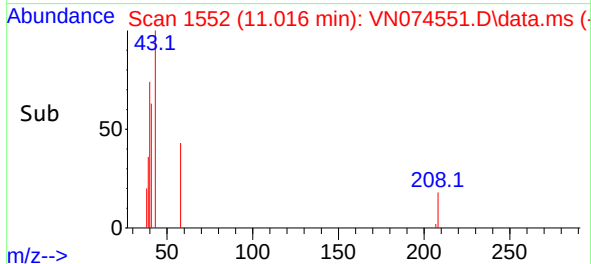
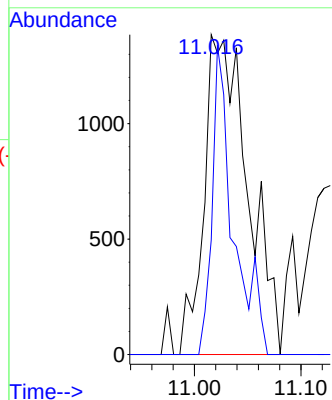
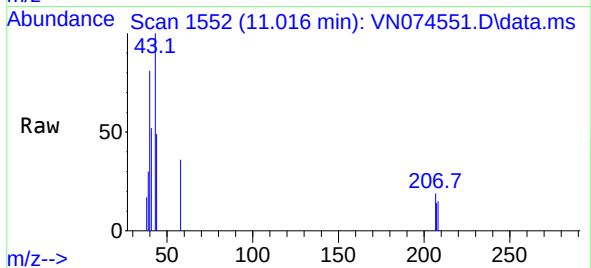




#59
2-Hexanone
Concen: 0.533 ug/l
RT: 11.016 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

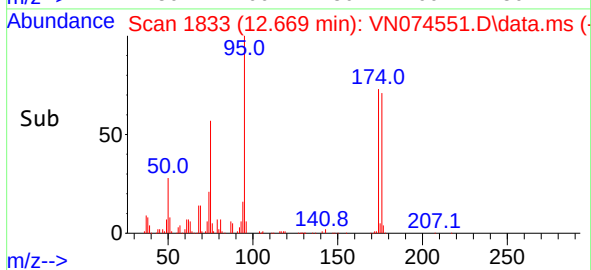
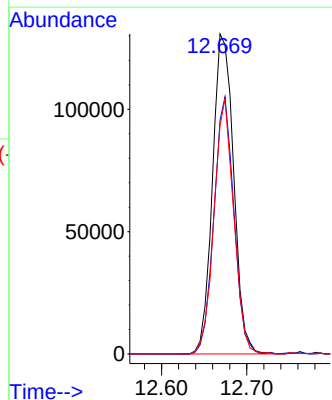
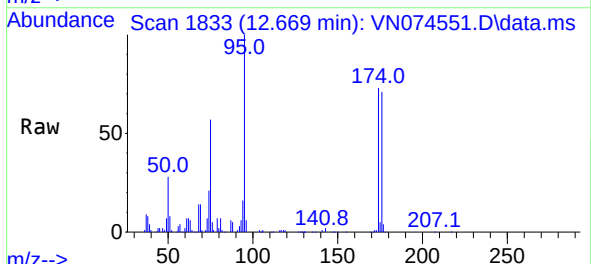
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

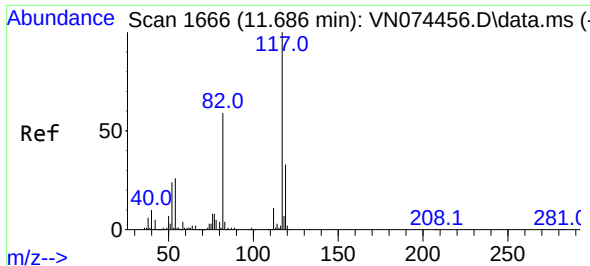
Tgt Ion: 43 Resp: 3972
Ion Ratio Lower Upper
43 100
58 46.5 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 48.834 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.005 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

Tgt Ion: 95 Resp: 225654
Ion Ratio Lower Upper
95 100
174 76.0 0.0 167.6
176 74.6 0.0 163.4

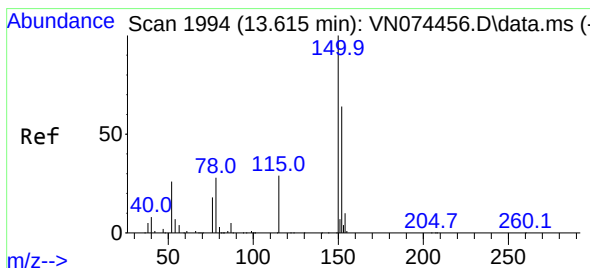
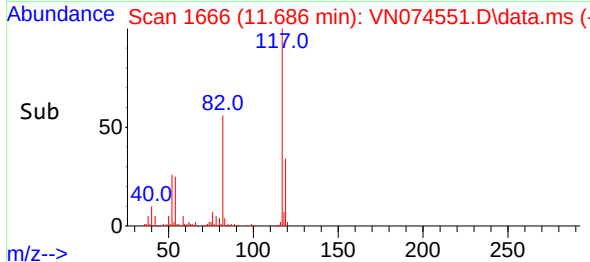
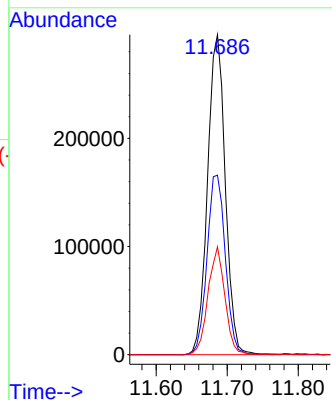
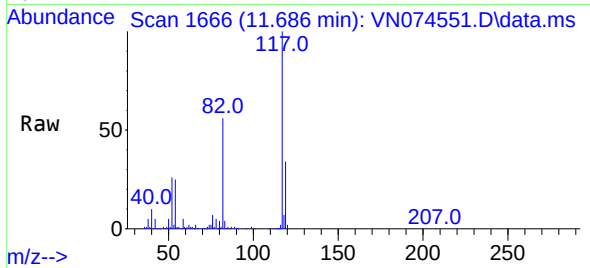




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

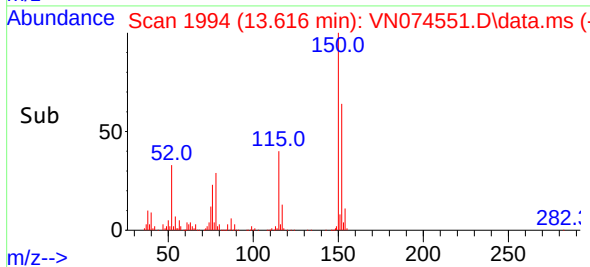
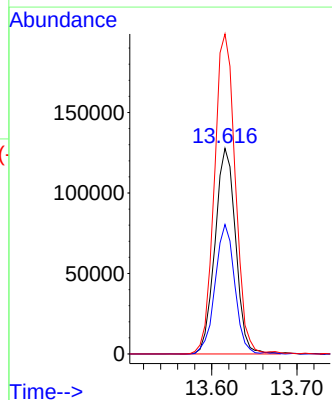
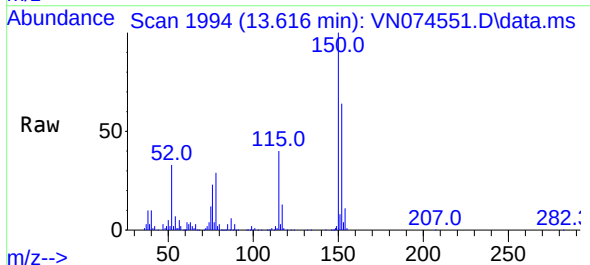
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

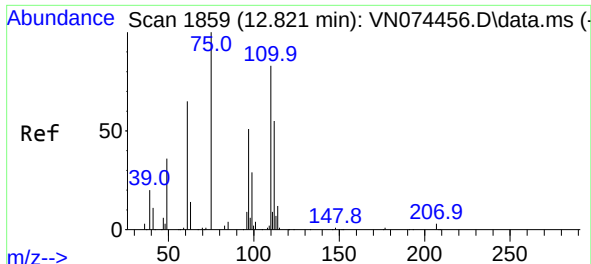
Tgt Ion:117 Resp: 513476
Ion Ratio Lower Upper
117 100
82 56.1 44.2 66.2
119 33.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

Tgt Ion:152 Resp: 215546
Ion Ratio Lower Upper
152 100
115 59.8 28.9 86.7
150 158.1 0.0 356.2

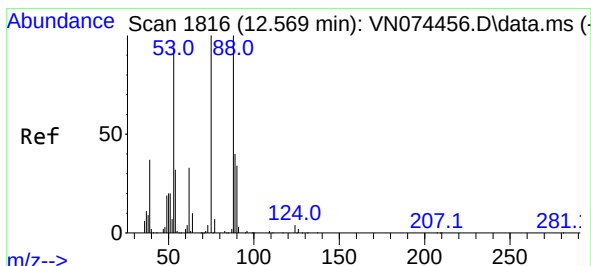
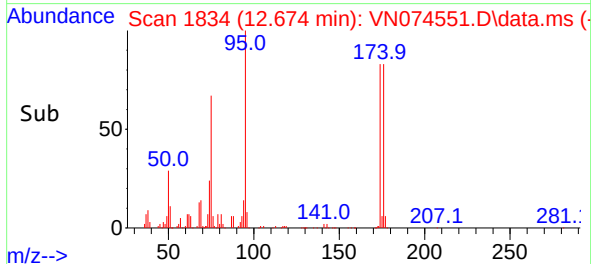
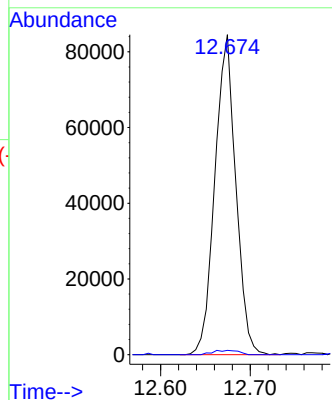
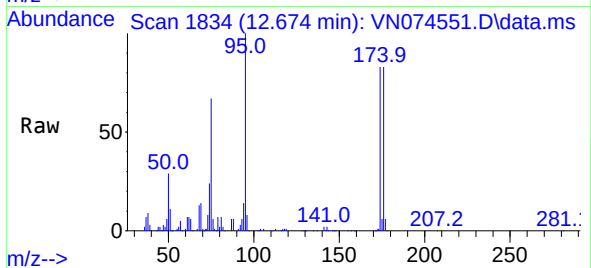




#76
1,2,3-Trichloropropane
Concen: 20.613 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

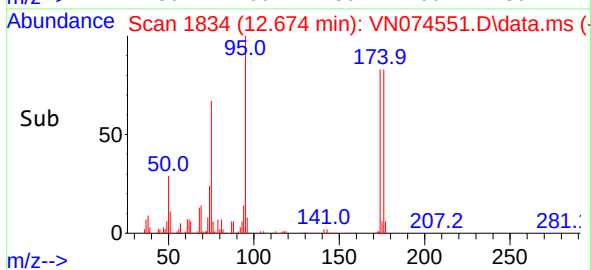
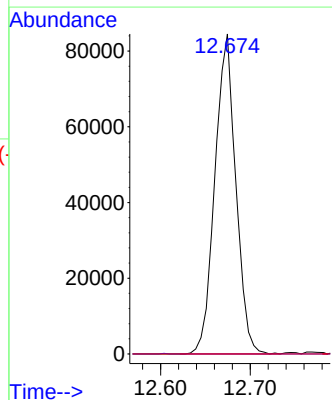
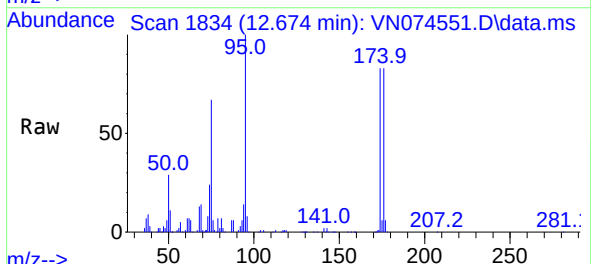
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

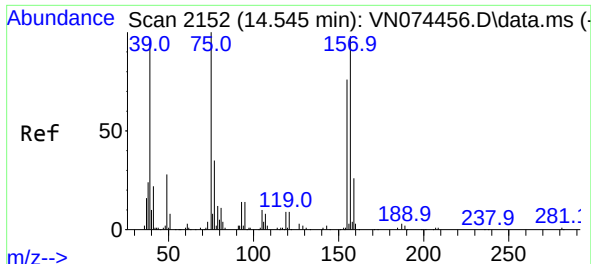
Tgt Ion: 75 Resp: 136762
Ion Ratio Lower Upper
75 100
77 1.7 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 44.490 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

Tgt Ion: 75 Resp: 136762
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: 0.283 ug/l

RT: 14.545 min Scan# 2152

Delta R.T. -0.000 min

Lab File: VN074551.D

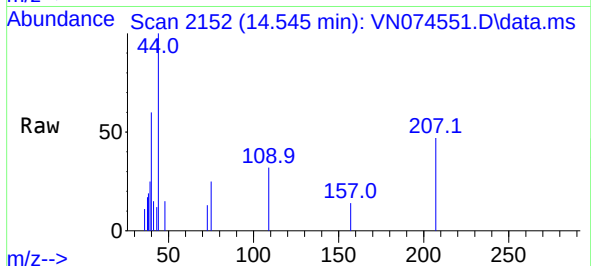
Acq: 17 Sep 2022 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBL01



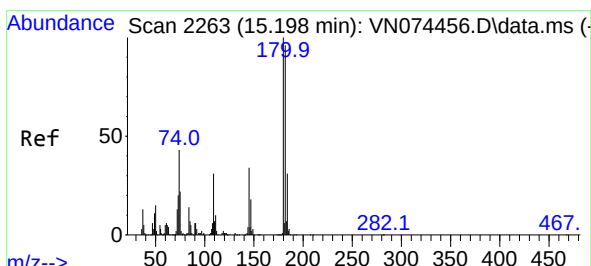
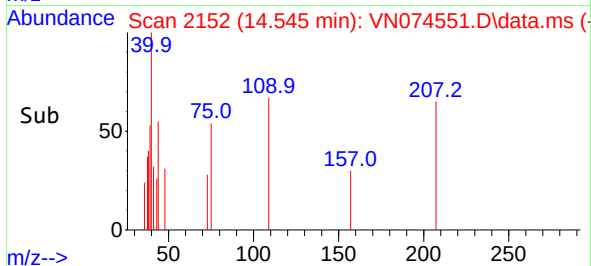
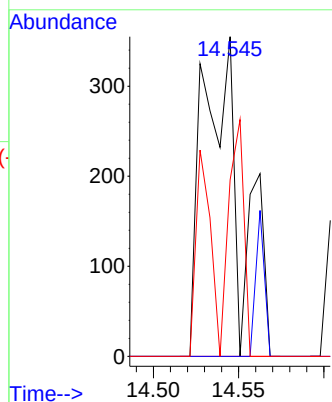
Tgt Ion: 75 Resp: 553

Ion Ratio Lower Upper

75 100

155 10.3 44.9 134.5#

157 29.3 59.0 176.8#



#93

1,2,4-Trichlorobenzene

Concen: 0.541 ug/l

RT: 15.198 min Scan# 2263

Delta R.T. -0.000 min

Lab File: VN074551.D

Acq: 17 Sep 2022 13:14

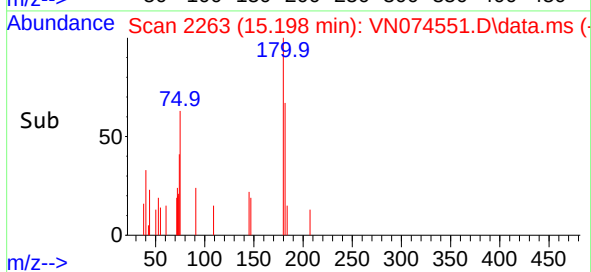
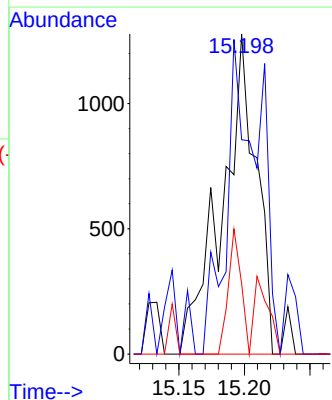
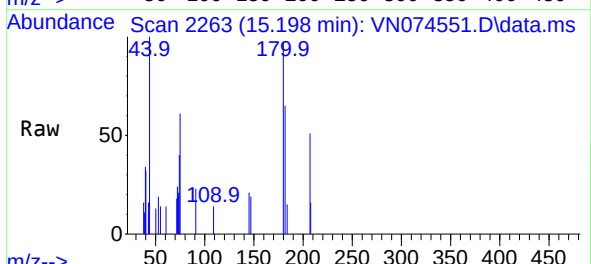
Tgt Ion:180 Resp: 2318

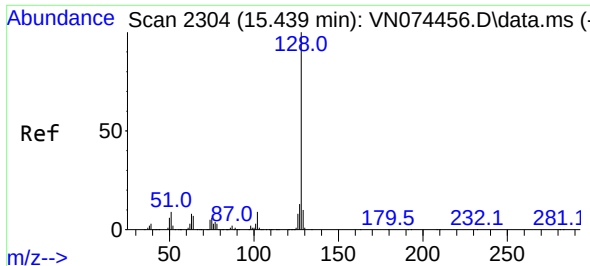
Ion Ratio Lower Upper

180 100

182 93.0 47.5 142.5

145 14.6 14.5 43.5

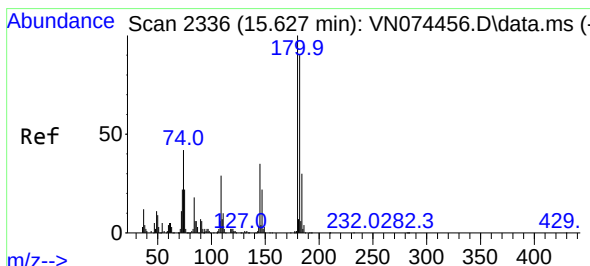
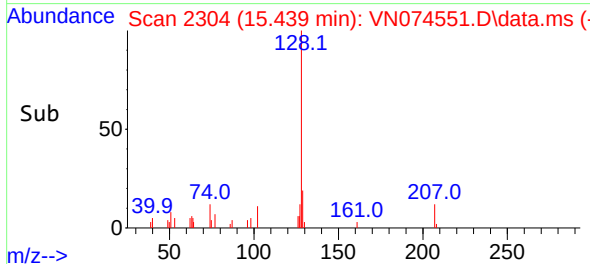
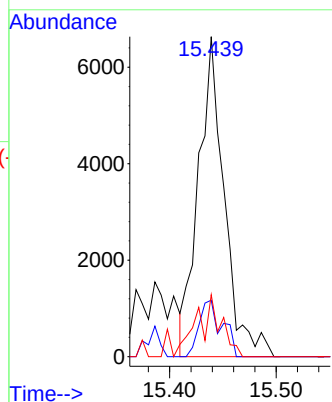
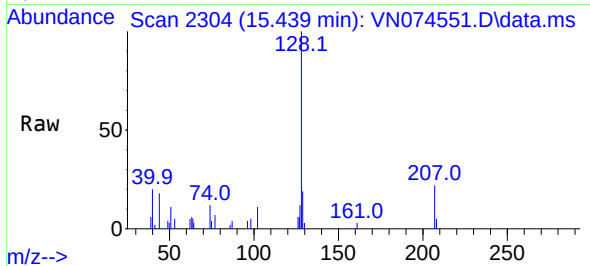




#95
Naphthalene
Concen: 2.180 ug/l
RT: 15.439 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBL01

Tgt Ion:128 Resp: 11256
Ion Ratio Lower Upper
128 100
127 15.5 10.3 15.5#
129 9.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.887 ug/l
RT: 15.621 min Scan# 2335
Delta R.T. -0.006 min
Lab File: VN074551.D
Acq: 17 Sep 2022 13:14

Tgt Ion:180 Resp: 2508
Ion Ratio Lower Upper
180 100
182 102.5 47.8 143.3
145 40.5 15.5 46.5

