

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062022\
 Data File : VN072947.D
 Acq On : 20 Jun 2022 09:03
 Operator : JC\MD
 Sample : VN0620WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBL01

Quant Time: Jun 21 05:53:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

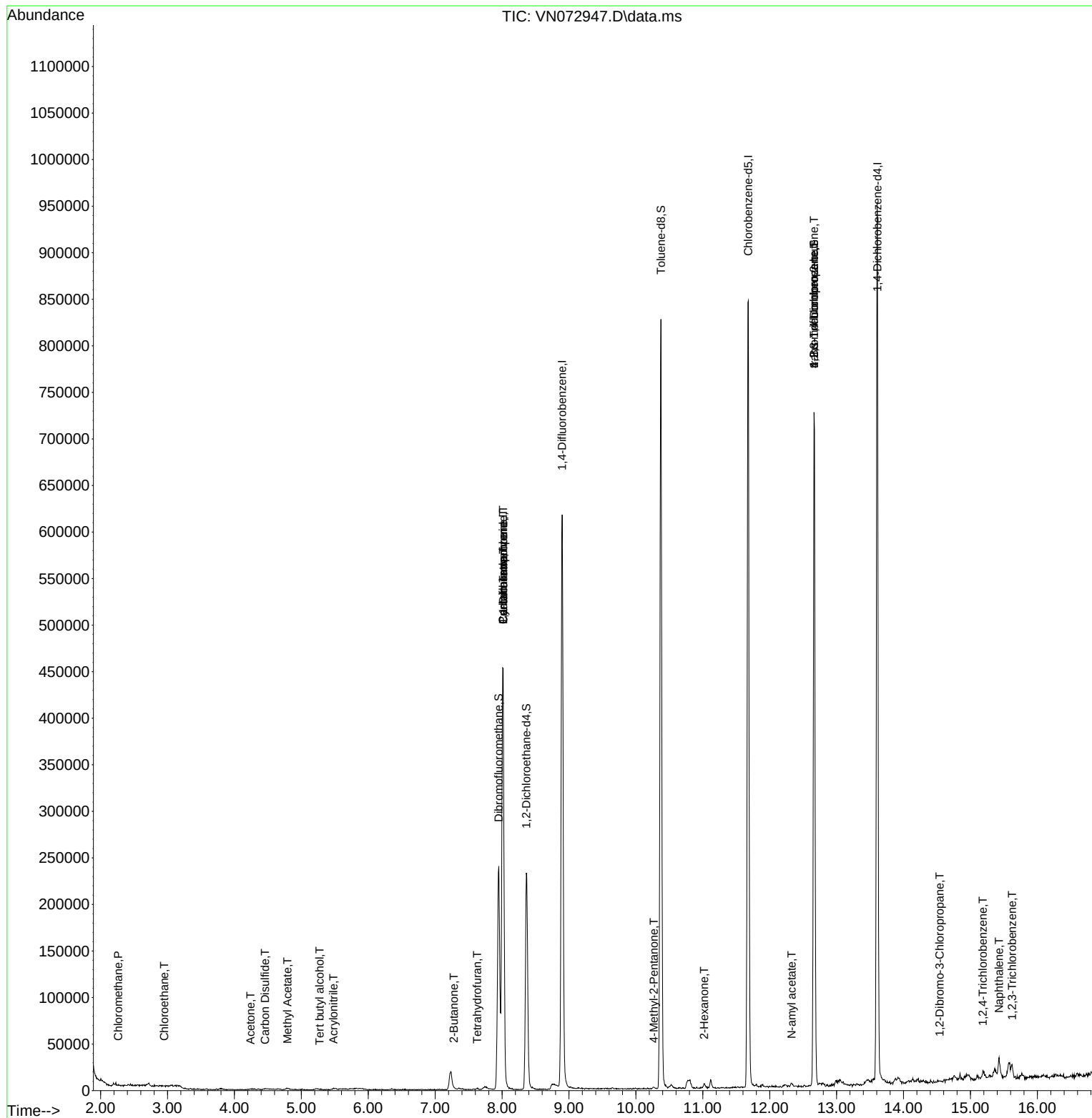
Internal Standards						
1) Pentafluorobenzene	8.016	168	357188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	565364	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	508715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	261403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	203207	42.080	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.160%		
35) Dibromofluoromethane	7.951	113	179909	51.484	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.960%		
50) Toluene-d8	10.375	98	578177	44.465	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.940%		
62) 4-Bromofluorobenzene	12.663	95	261167	55.856	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	111.720%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	518	0.709	ug/l #	43
6) Chloroethane	2.952	64	786	0.412	ug/l #	42
11) Tert butyl alcohol	5.275	59	272	0.218	ug/l #	72
15) Acrylonitrile	5.481	53	1612	0.561	ug/l #	87
16) Acetone	4.240	43	693	0.261	ug/l #	73
17) Carbon Disulfide	4.457	76	1933	0.221	ug/l #	75
18) Methyl Acetate	4.793	43	2450	0.347	ug/l #	69
20) Methylene Chloride	5.010	84	193	Below Cal	#	57
25) 2-Butanone	7.281	43	1814	0.431	ug/l	91
26) 2,2-Dichloropropane	7.222	77	850	Below Cal	#	53
29) Tetrahydrofuran	7.628	42	770	0.277	ug/l #	47
31) Cyclohexane	8.016	56	7643	1.170	ug/l #	30
36) 1,1-Dichloropropene	8.016	75	28172	5.958	ug/l #	48
38) Carbon Tetrachloride	8.016	117	35756	7.189	ug/l #	17
51) 4-Methyl-2-Pentanone	10.269	43	2498	0.354	ug/l #	62
59) 2-Hexanone	11.022	43	4239	0.777	ug/l	79
74) N-amyl acetate	12.327	43	2660	0.253	ug/l #	87
76) 1,2,3-Trichloropropane	12.663	75	132316	20.878	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.663	75	132316	56.383	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.539	75	591	0.239	ug/l	72
93) 1,2,4-Trichlorobenzene	15.186	180	2649	0.531	ug/l #	88
95) Naphthalene	15.427	128	19045	0.943	ug/l	96
96) 1,2,3-Trichlorobenzene	15.621	180	3648	0.684	ug/l	92

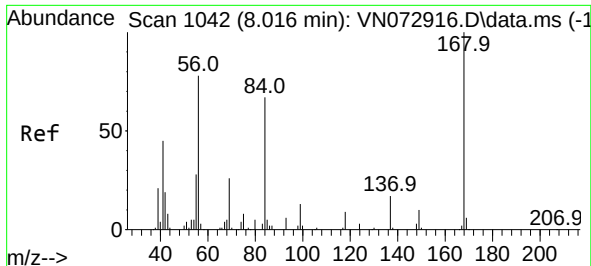
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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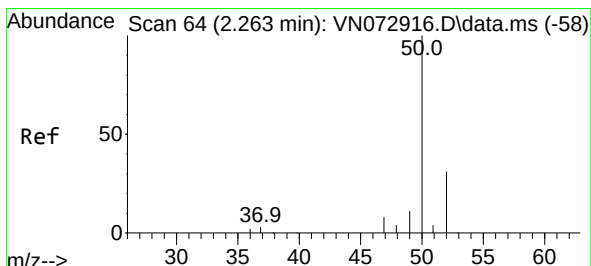
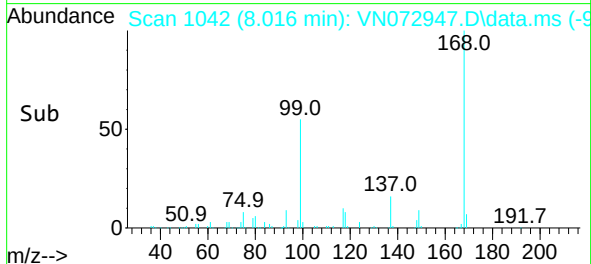
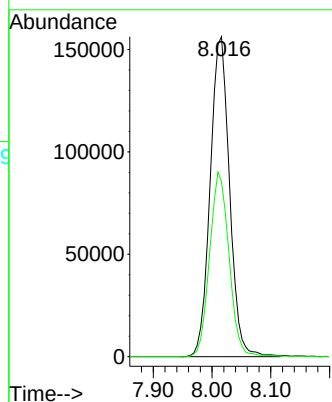
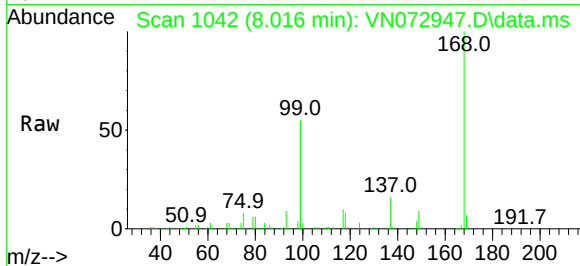




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN072947.D
Acq: 20 Jun 2022 09:03

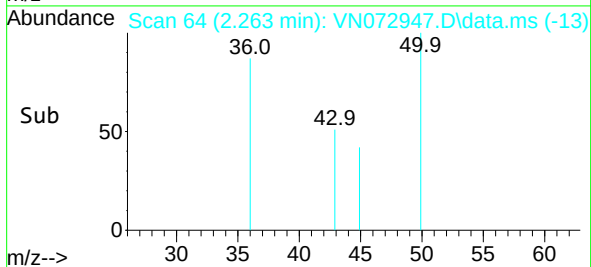
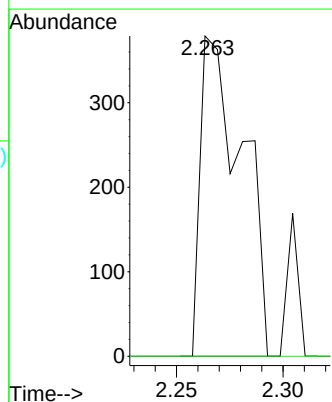
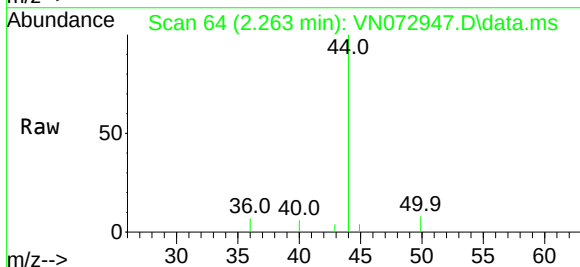
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

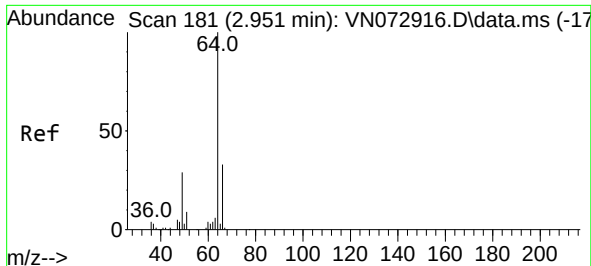
Tgt Ion:168 Resp: 357188
Ion Ratio Lower Upper
168 100
99 54.7 42.3 63.5



#3
Chloromethane
Concen: 0.709 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN072947.D
Acq: 20 Jun 2022 09:03

Tgt Ion: 50 Resp: 518
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

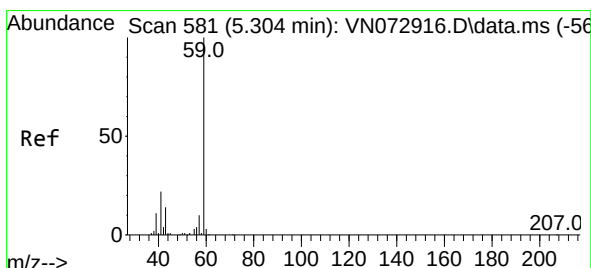
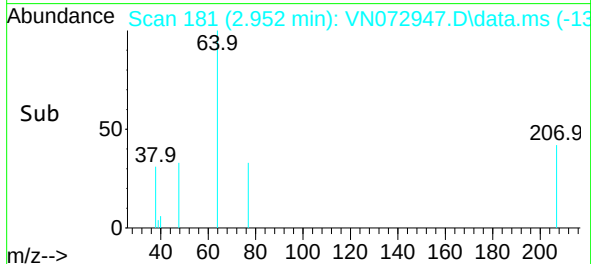
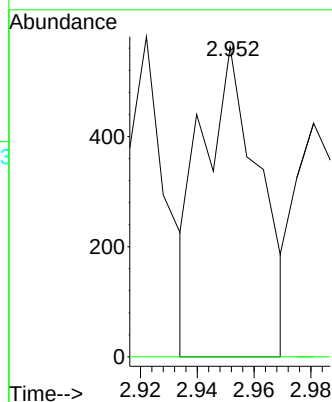
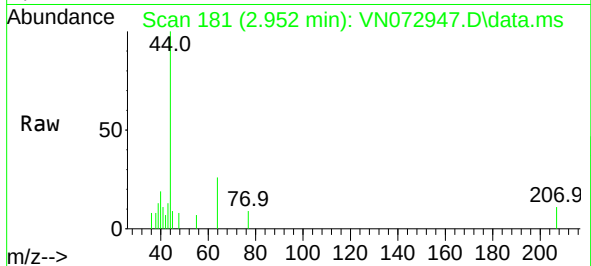




#6
Chloroethane
Concen: 0.412 ug/l
RT: 2.952 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072947.D
Acq: 20 Jun 2022 09:03

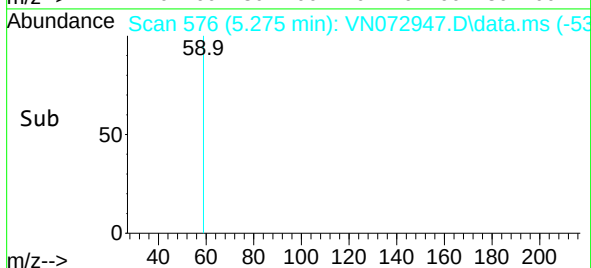
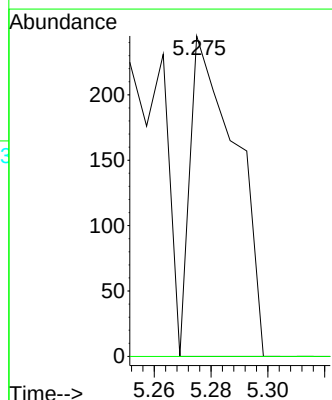
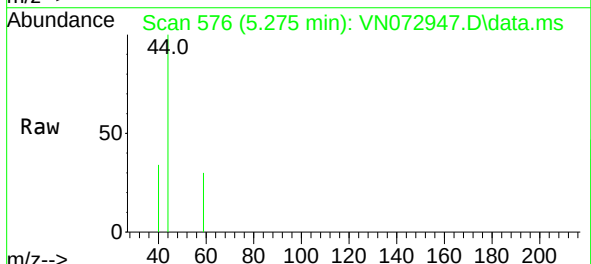
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

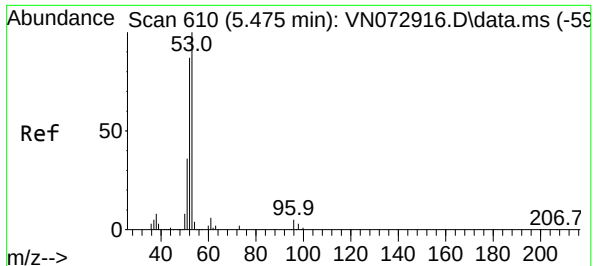
Tgt Ion: 64 Resp: 786
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.218 ug/l
RT: 5.275 min Scan# 576
Delta R.T. -0.029 min
Lab File: VN072947.D
Acq: 20 Jun 2022 09:03

Tgt Ion: 59 Resp: 272
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

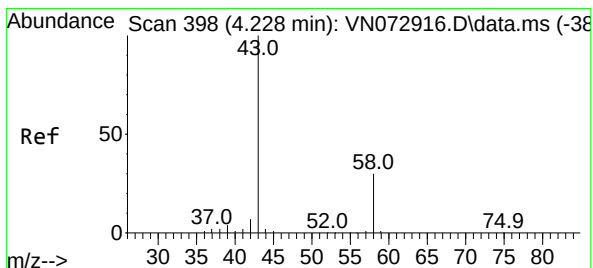
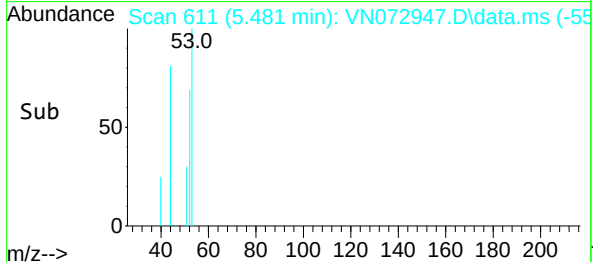
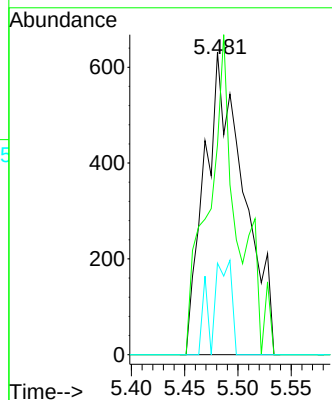
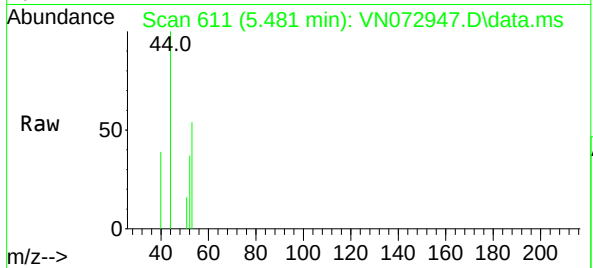




#15
Acrylonitrile
Concen: 0.561 ug/l
RT: 5.481 min Scan# 611
Delta R.T. 0.006 min
Lab File: VN072947.D
Acq: 20 Jun 2022 09:03

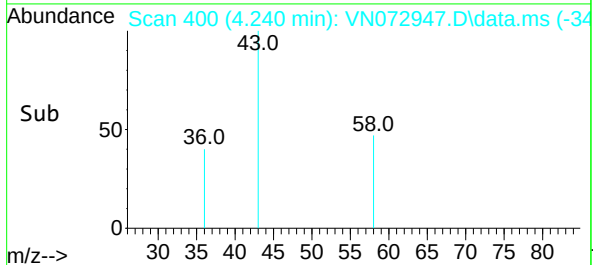
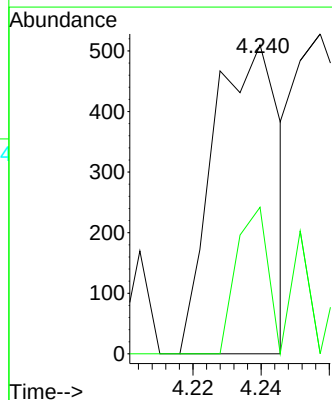
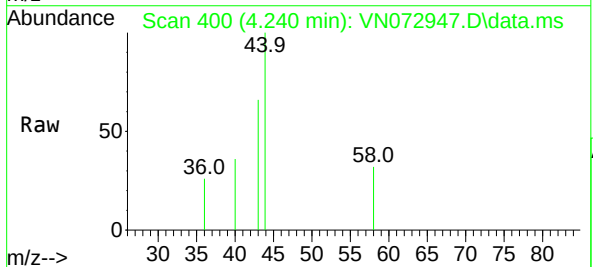
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

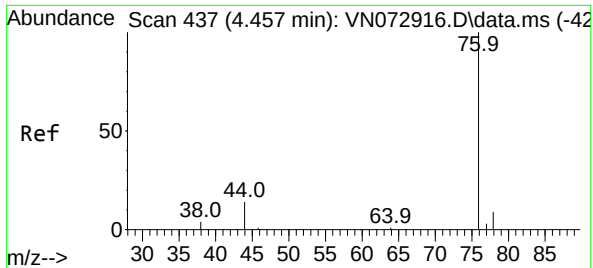
Tgt Ion: 53 Resp: 1612
Ion Ratio Lower Upper
53 100
52 79.9 66.4 99.6
51 15.7 28.5 42.7#



#16
Acetone
Concen: 0.261 ug/l
RT: 4.240 min Scan# 400
Delta R.T. 0.012 min
Lab File: VN072947.D
Acq: 20 Jun 2022 09:03

Tgt Ion: 43 Resp: 693
Ion Ratio Lower Upper
43 100
58 47.5 26.0 39.0#

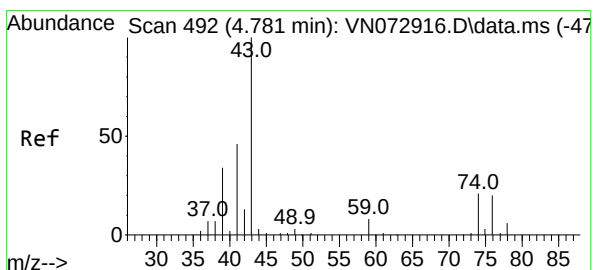
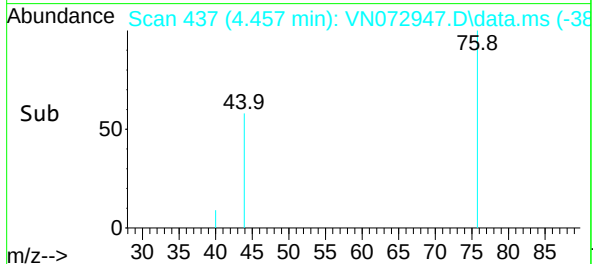
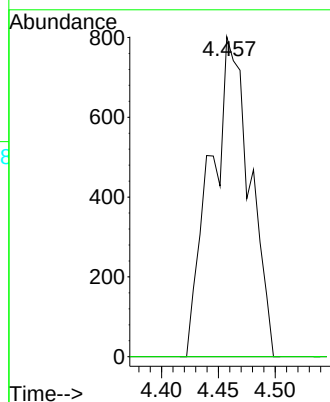
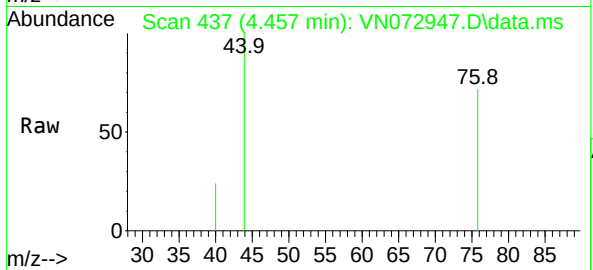




#17
Carbon Disulfide
Concen: 0.221 ug/l
RT: 4.457 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN072947.D
Acq: 20 Jun 2022 09:03

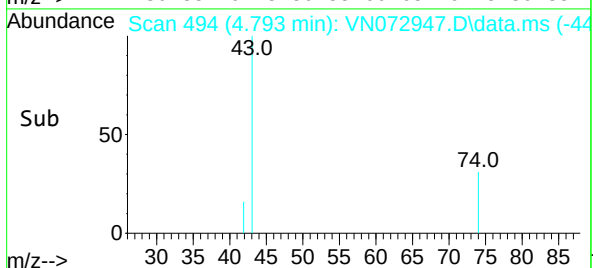
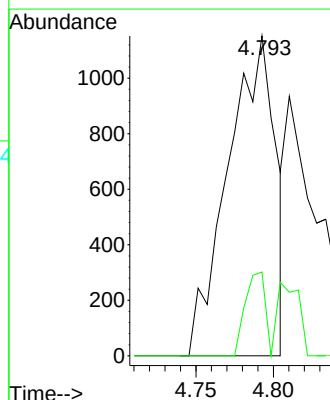
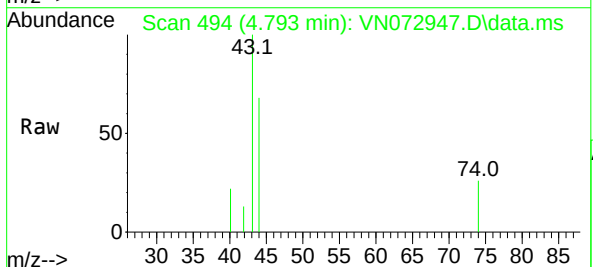
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

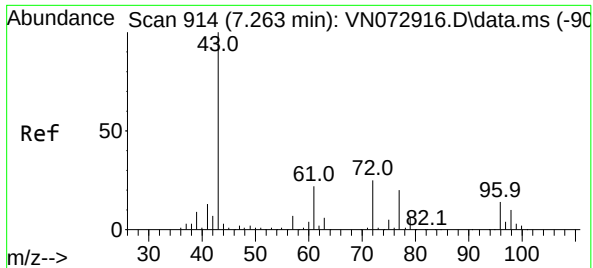
Tgt Ion: 76 Resp: 1933
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.347 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.012 min
Lab File: VN072947.D
Acq: 20 Jun 2022 09:03

Tgt Ion: 43 Resp: 2450
Ion Ratio Lower Upper
43 100
74 11.0 21.6 32.4#

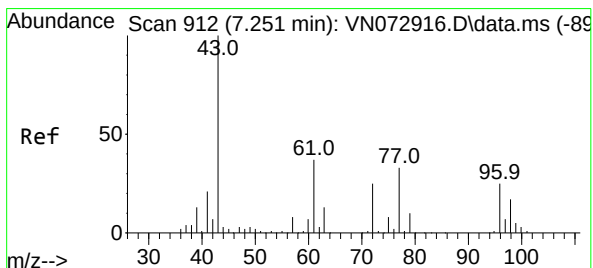
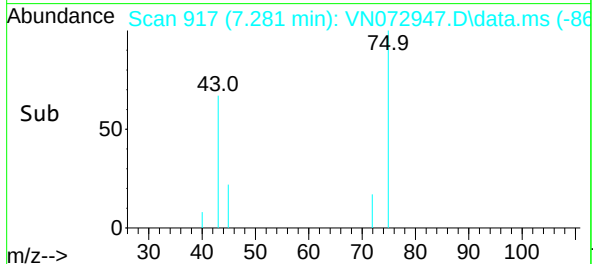
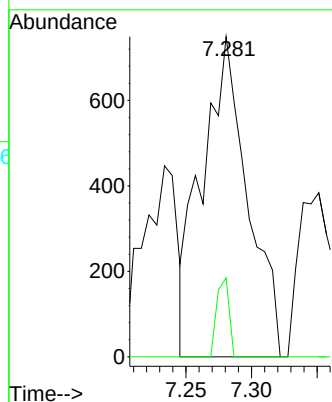
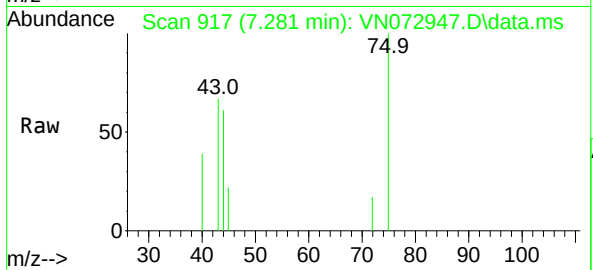




#25
2-Butanone
Concen: 0.431 ug/l
RT: 7.281 min Scan# 917
Delta R.T. 0.018 min
Lab File: VN072947.D
Acq: 20 Jun 2022 09:03

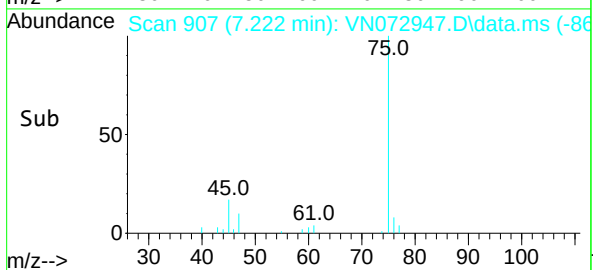
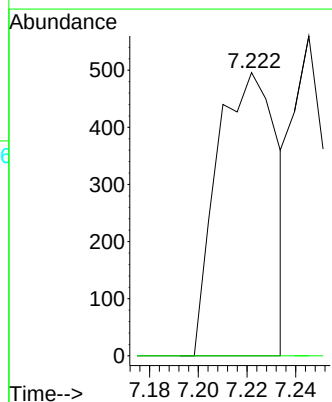
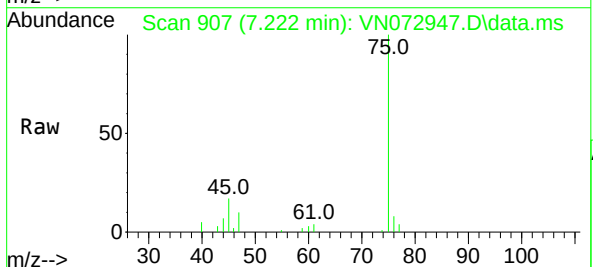
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

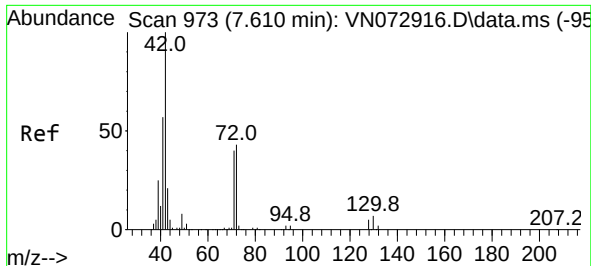
Tgt Ion: 43 Resp: 1814
Ion Ratio Lower Upper
43 100
72 24.7 23.7 35.5



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.222 min Scan# 907
Delta R.T. -0.029 min
Lab File: VN072947.D
Acq: 20 Jun 2022 09:03

Tgt Ion: 77 Resp: 850
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 0.277 ug/l

RT: 7.628 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN072947.D

Acq: 20 Jun 2022 09:03

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBL01

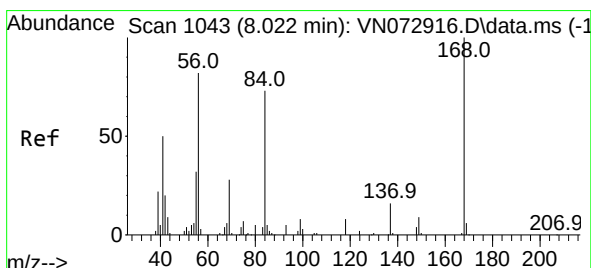
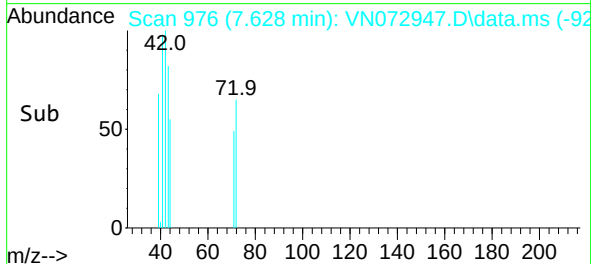
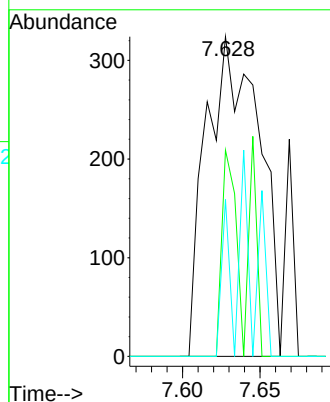
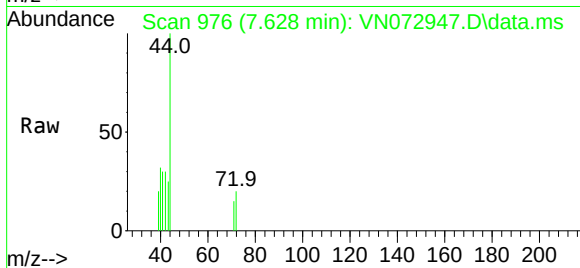
Tgt Ion: 42 Resp: 770

Ion Ratio Lower Upper

42 100

72 17.1 39.7 59.5#

71 7.3 36.6 55.0#



#31

Cyclohexane

Concen: 1.170 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN072947.D

Acq: 20 Jun 2022 09:03

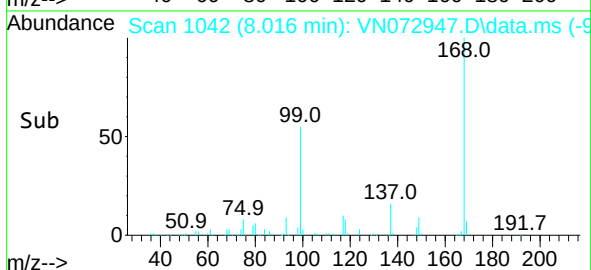
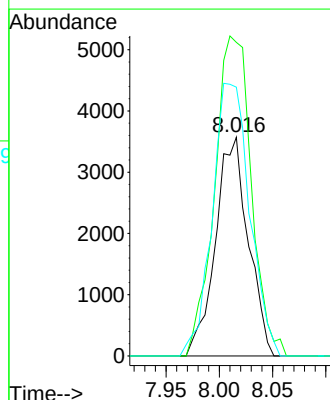
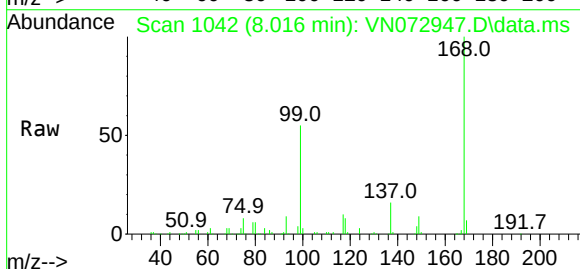
Tgt Ion: 56 Resp: 7643

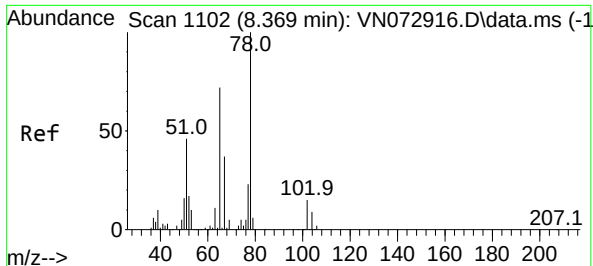
Ion Ratio Lower Upper

56 100

69 143.4 27.8 41.8#

84 122.9 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 42.080 ug/l

RT: 8.363 min Scan# 1102

Delta R.T. -0.006 min

Lab File: VN072947.D

Acq: 20 Jun 2022 09:03

Instrument :

MSVOA_N

ClientSampleId :

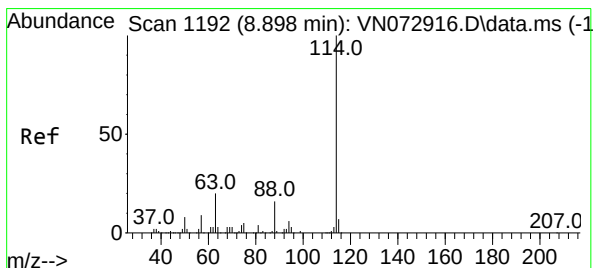
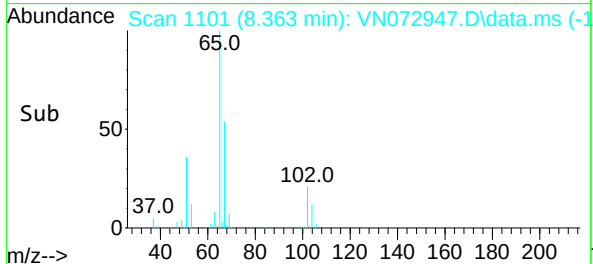
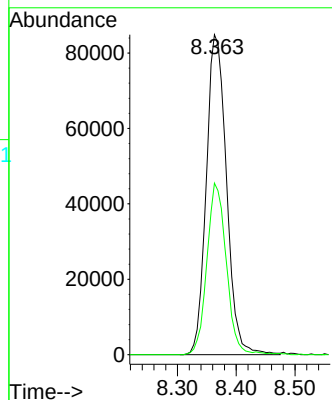
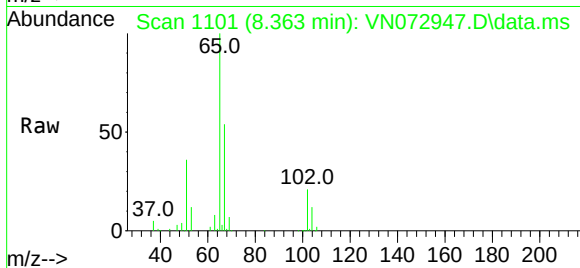
VN0620WBL01

Tgt Ion: 65 Resp: 203207

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VN072947.D

Acq: 20 Jun 2022 09:03

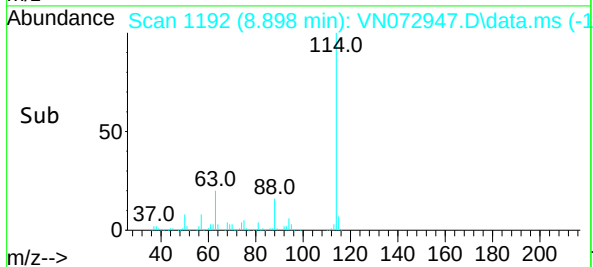
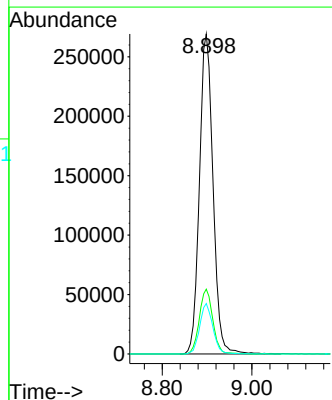
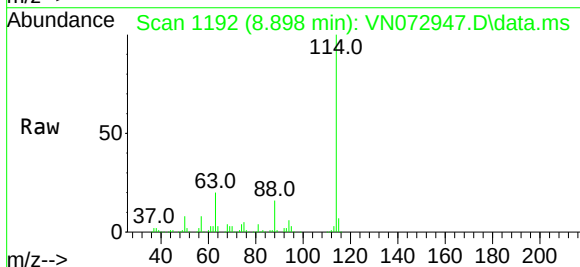
Tgt Ion: 114 Resp: 565364

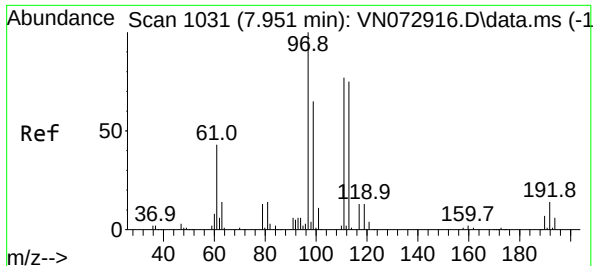
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

88 15.7 0.0 32.6

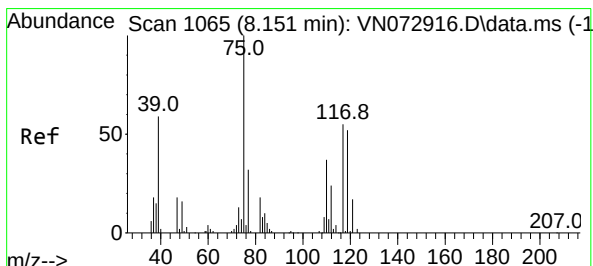
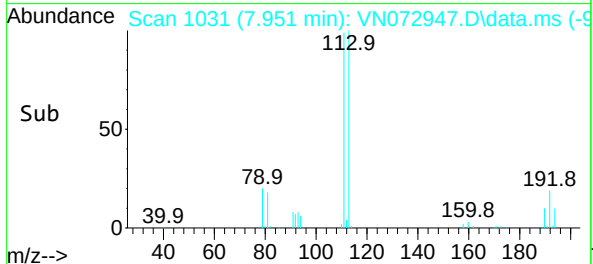
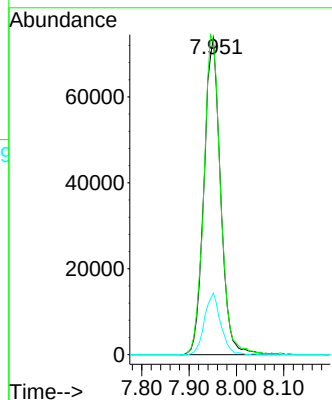
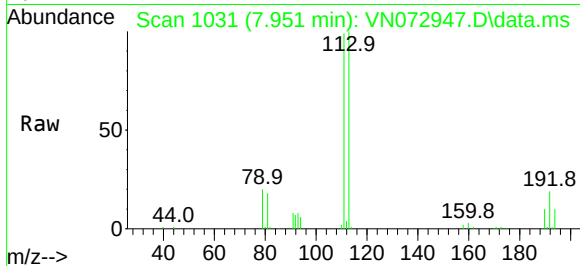




#35
Dibromofluoromethane
Concen: 51.484 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN072947.D
Acq: 20 Jun 2022 09:03

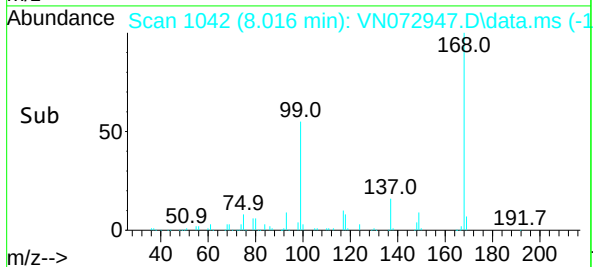
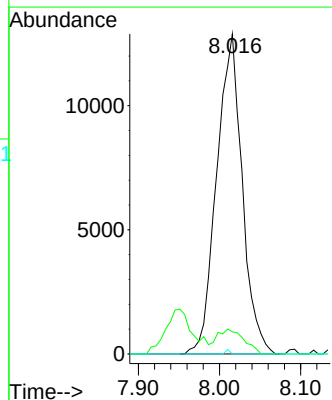
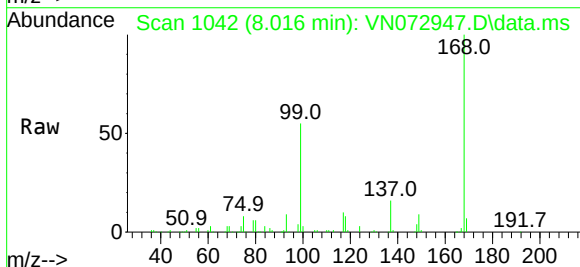
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

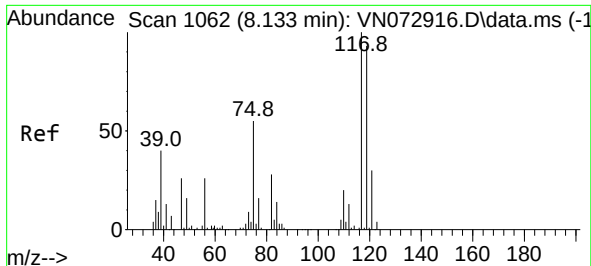
Tgt Ion:113 Resp: 179909
Ion Ratio Lower Upper
113 100
111 102.0 81.4 122.0
192 18.9 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.958 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN072947.D
Acq: 20 Jun 2022 09:03

Tgt Ion: 75 Resp: 28172
Ion Ratio Lower Upper
75 100
110 8.2 18.3 54.8#
77 0.2 25.1 37.7#

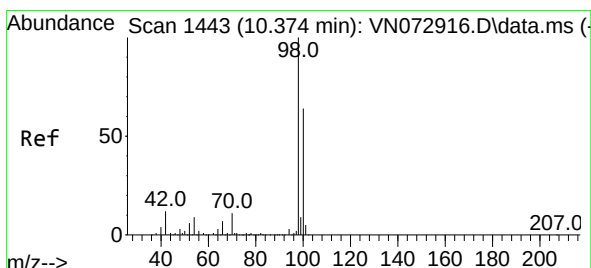
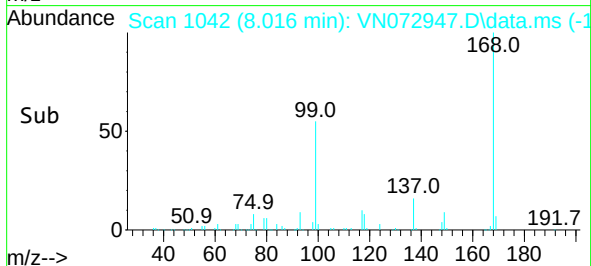
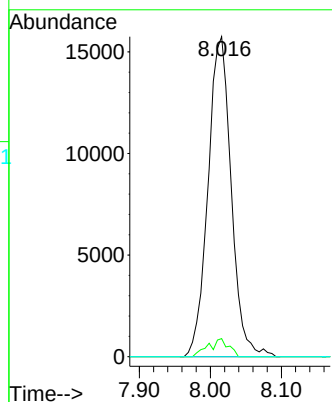
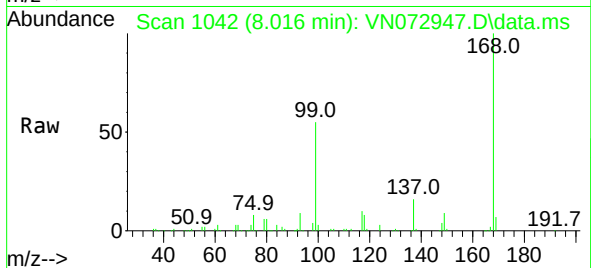




#38
Carbon Tetrachloride
Concen: 7.189 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.118 min
Lab File: VN072947.D
Acq: 20 Jun 2022 09:03

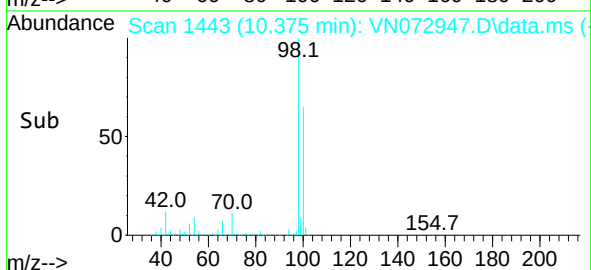
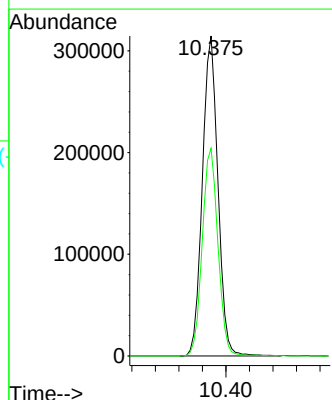
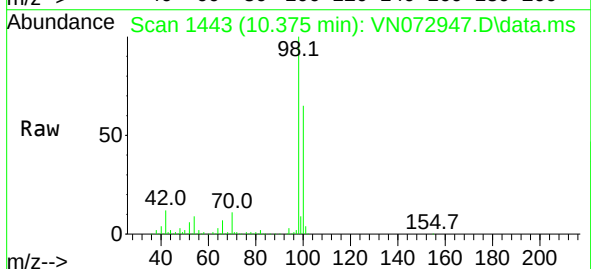
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

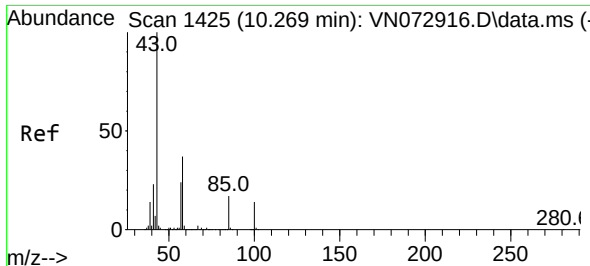
Tgt Ion:117 Resp: 35756
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 44.465 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN072947.D
Acq: 20 Jun 2022 09:03

Tgt Ion: 98 Resp: 578177
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8

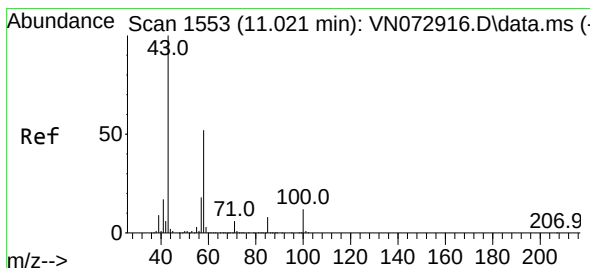
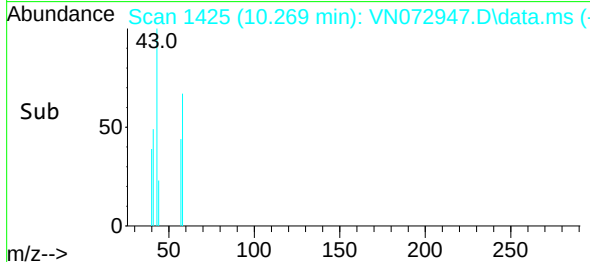
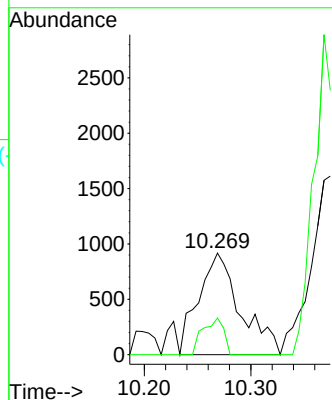
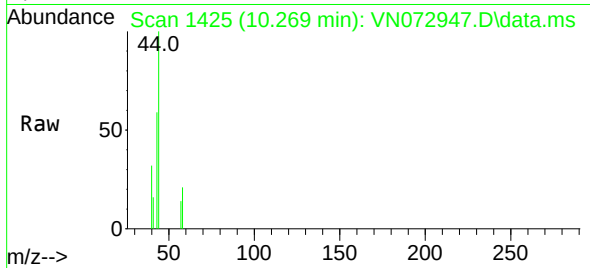




#51
4-Methyl-2-Pentanone
Concen: 0.354 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN072947.D
Acq: 20 Jun 2022 09:03

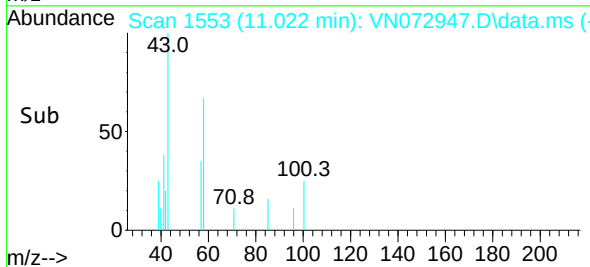
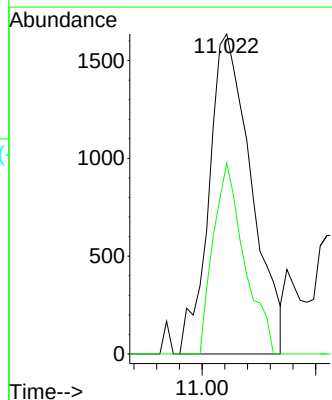
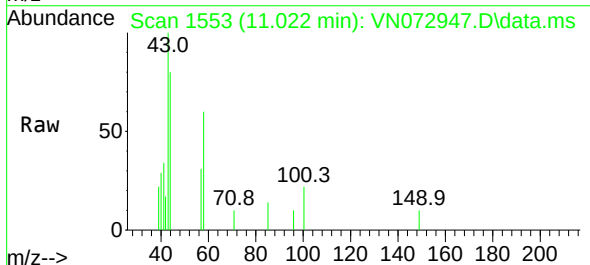
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

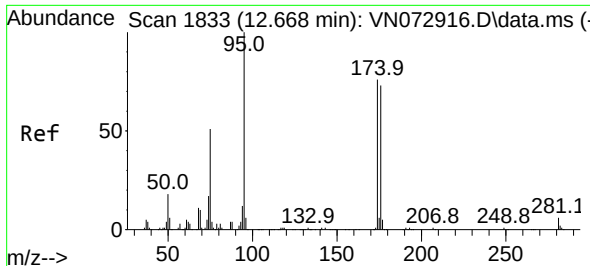
Tgt Ion: 43 Resp: 2498
Ion Ratio Lower Upper
43 100
58 18.1 34.1 51.1#



#59
2-Hexanone
Concen: 0.777 ug/l
RT: 11.022 min Scan# 1553
Delta R.T. 0.000 min
Lab File: VN072947.D
Acq: 20 Jun 2022 09:03

Tgt Ion: 43 Resp: 4239
Ion Ratio Lower Upper
43 100
58 43.6 29.7 89.1

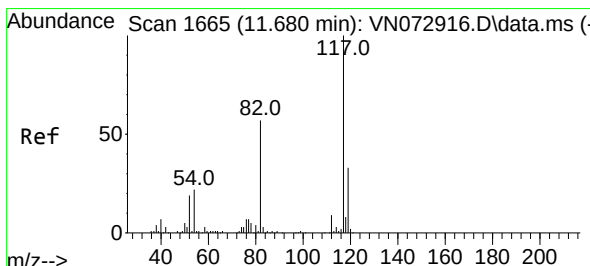
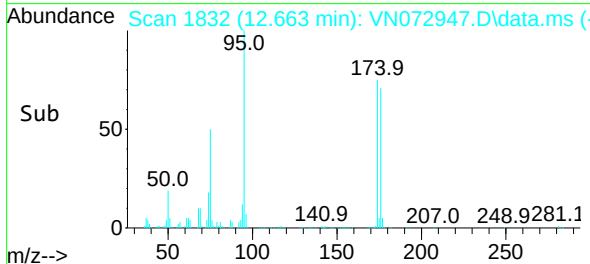
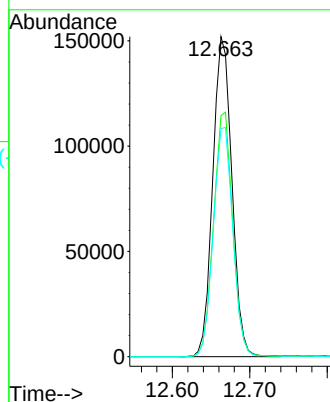
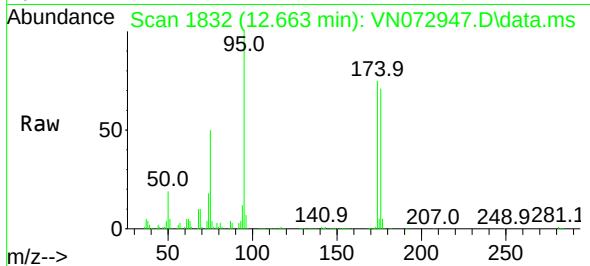




#62
4-Bromofluorobenzene
Concen: 55.856 ug/l
RT: 12.663 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN072947.D
Acq: 20 Jun 2022 09:03

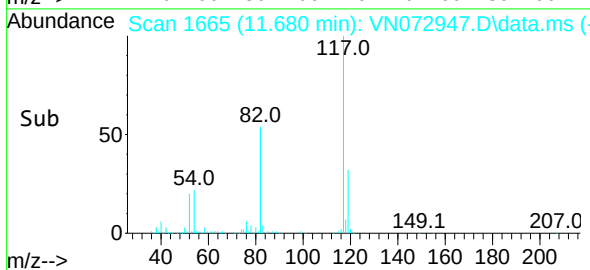
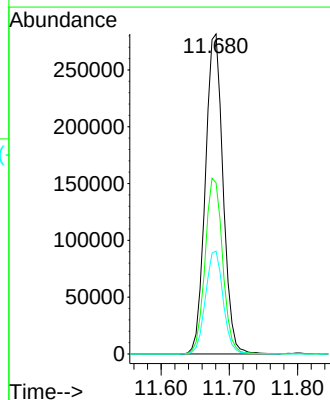
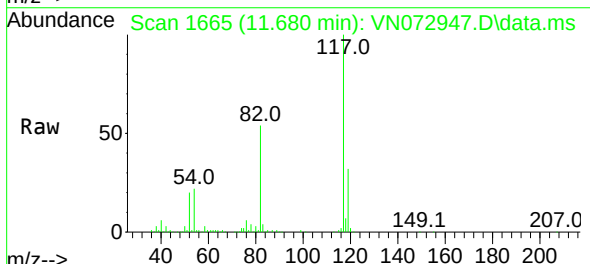
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

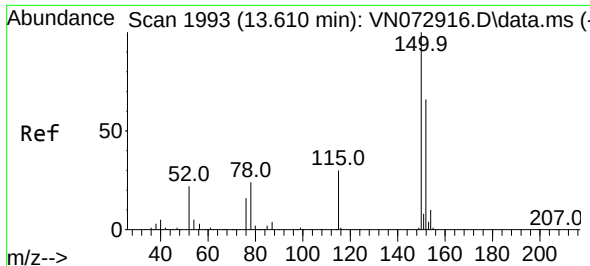
Tgt Ion: 95 Resp: 261167
Ion Ratio Lower Upper
95 100
174 76.6 0.0 167.6
176 73.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN072947.D
Acq: 20 Jun 2022 09:03

Tgt Ion: 117 Resp: 508715
Ion Ratio Lower Upper
117 100
82 53.5 44.2 66.2
119 32.2 25.4 38.0

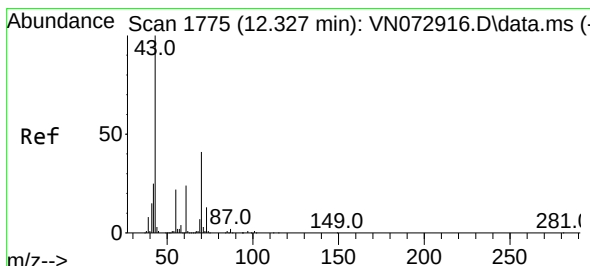
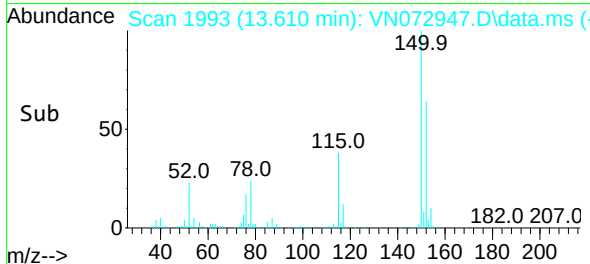
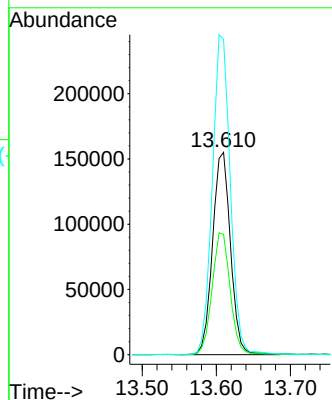
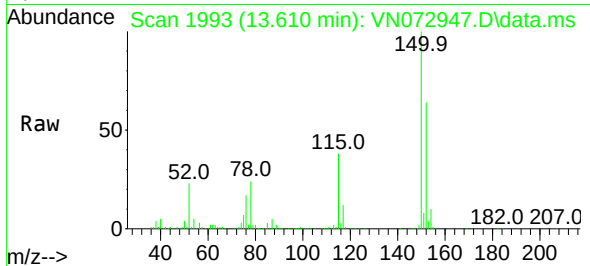




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN072947.D
Acq: 20 Jun 2022 09:03

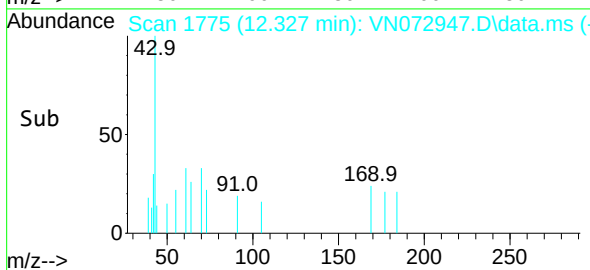
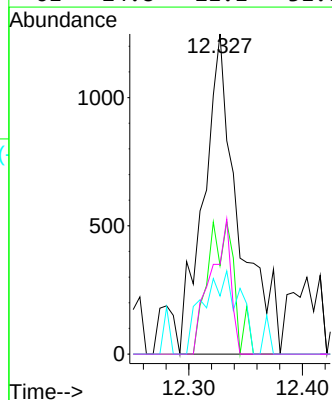
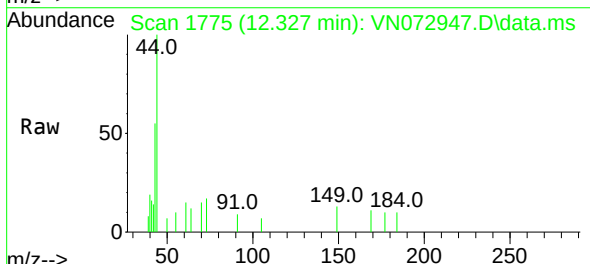
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

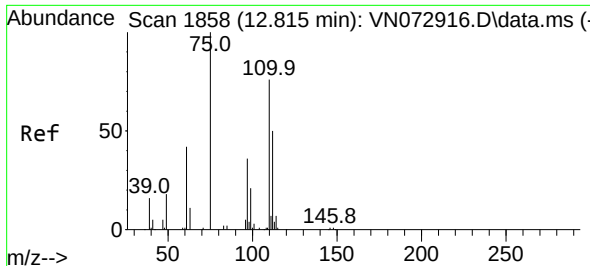
Tgt Ion:152 Resp: 261403
Ion Ratio Lower Upper
152 100
115 61.0 28.9 86.7
150 158.1 0.0 356.2



#74
N-ethyl acetate
Concen: 0.253 ug/l
RT: 12.327 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN072947.D
Acq: 20 Jun 2022 09:03

Tgt Ion: 43 Resp: 2660
Ion Ratio Lower Upper
43 100
70 31.8 39.0 58.4#
55 27.1 21.1 31.7
61 24.8 21.1 31.7

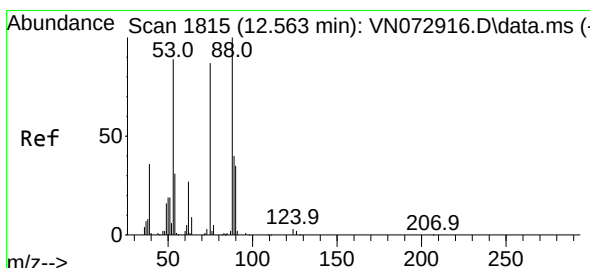
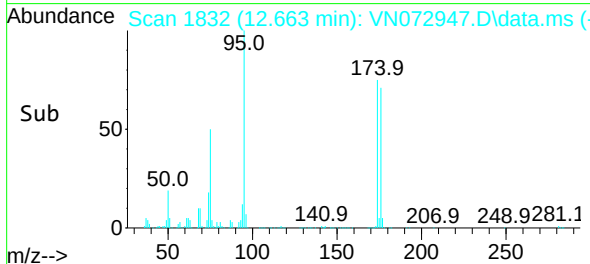
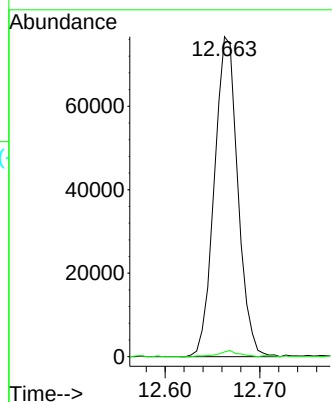
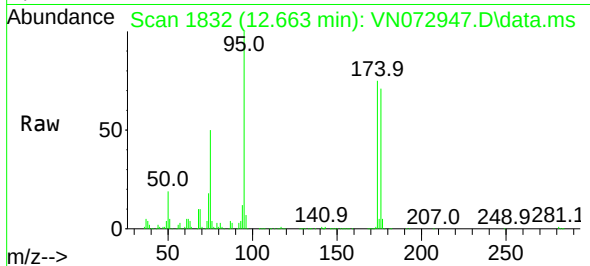




#76
1,2,3-Trichloropropane
Concen: 20.878 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. -0.153 min
Lab File: VN072947.D
Acq: 20 Jun 2022 09:03

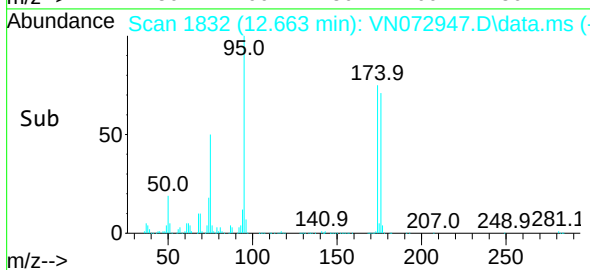
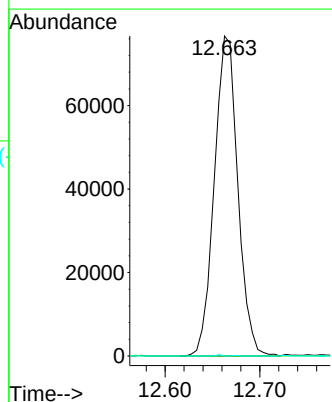
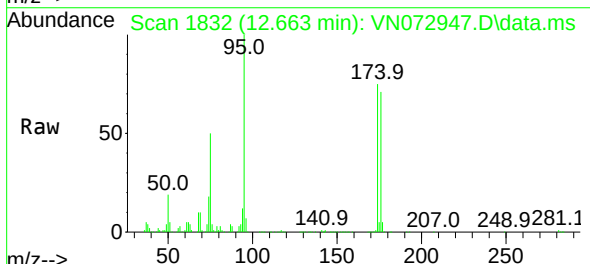
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

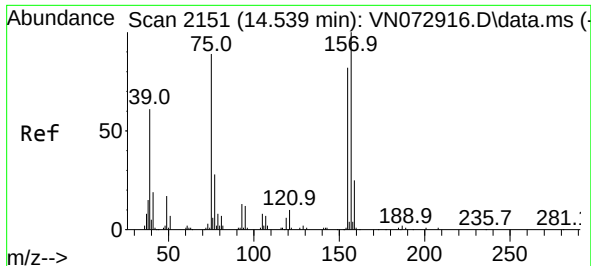
Tgt Ion: 75 Resp: 132316
Ion Ratio Lower Upper
75 100
77 1.7 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.383 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.100 min
Lab File: VN072947.D
Acq: 20 Jun 2022 09:03

Tgt Ion: 75 Resp: 132316
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#

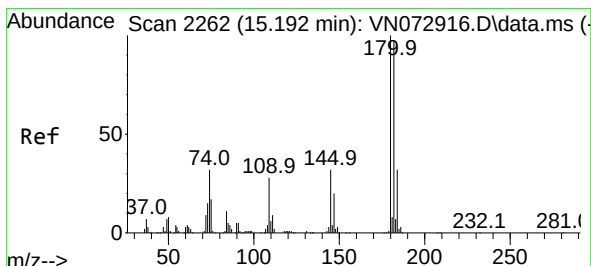
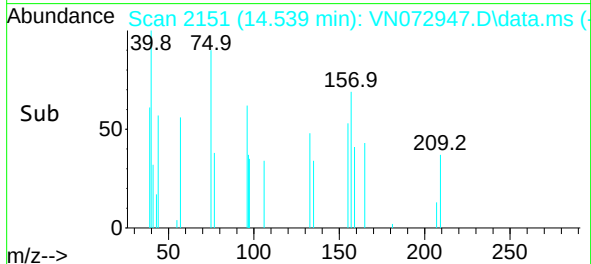
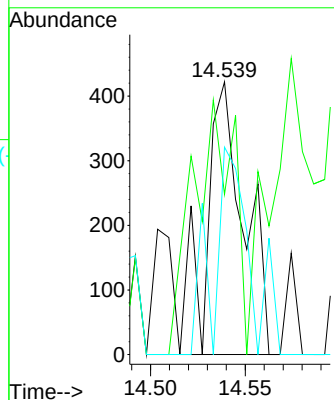
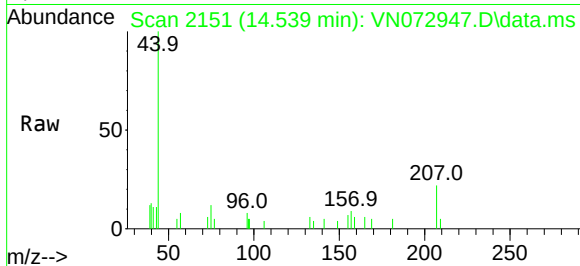




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.239 ug/l
 RT: 14.539 min Scan# 2151
 Delta R.T. 0.000 min
 Lab File: VN072947.D
 Acq: 20 Jun 2022 09:03

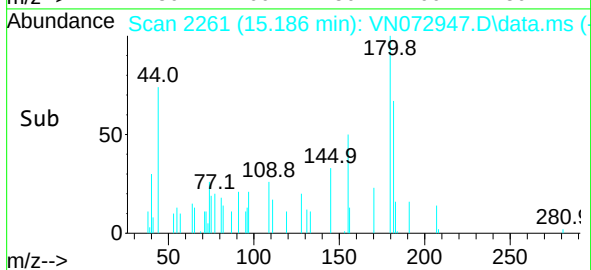
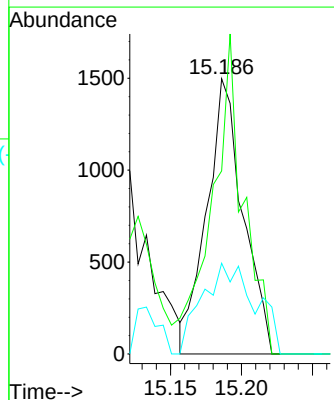
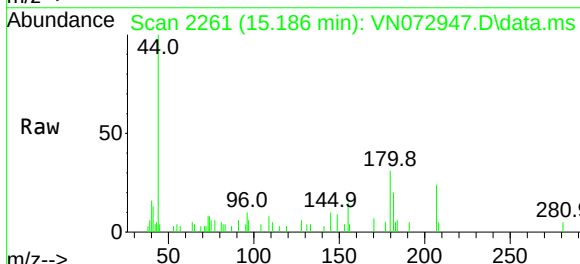
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBL01

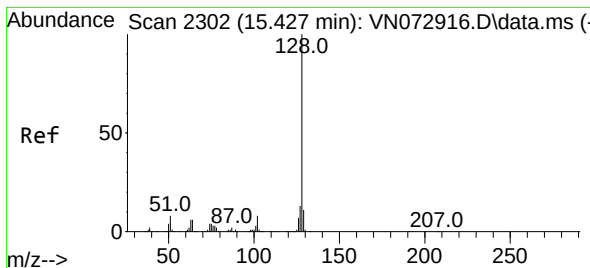
Tgt Ion: 75 Resp: 591
 Ion Ratio Lower Upper
 75 100
 155 100.2 44.9 134.5
 157 72.6 59.0 176.8



#93
 1,2,4-Trichlorobenzene
 Concen: 0.531 ug/l
 RT: 15.186 min Scan# 2261
 Delta R.T. -0.006 min
 Lab File: VN072947.D
 Acq: 20 Jun 2022 09:03

Tgt Ion: 180 Resp: 2649
 Ion Ratio Lower Upper
 180 100
 182 100.1 47.5 142.5
 145 48.0 14.5 43.5#





#95

Naphthalene

Concen: 0.943 ug/l

RT: 15.427 min Scan# 2302

Delta R.T. 0.000 min

Lab File: VN072947.D

Acq: 20 Jun 2022 09:03

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBL01

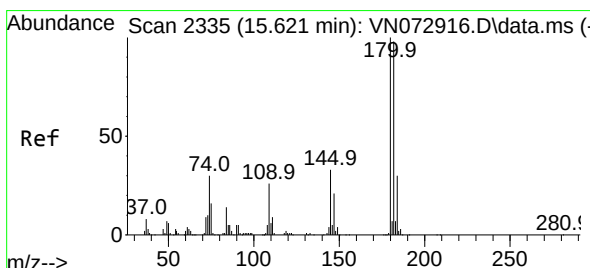
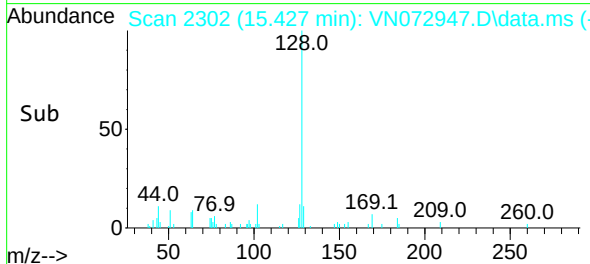
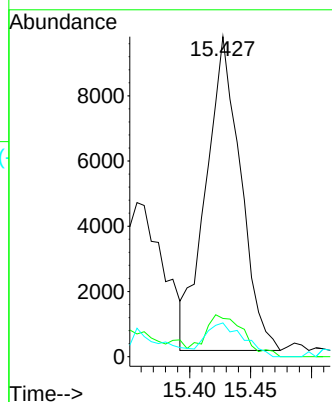
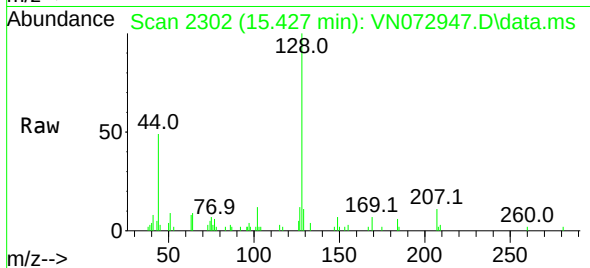
Tgt Ion:128 Resp: 19045

Ion Ratio Lower Upper

128 100

127 14.9 10.3 15.5

129 11.6 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 0.684 ug/l

RT: 15.621 min Scan# 2335

Delta R.T. 0.000 min

Lab File: VN072947.D

Acq: 20 Jun 2022 09:03

Tgt Ion:180 Resp: 3648

Ion Ratio Lower Upper

180 100

182 91.4 47.8 143.3

145 41.2 15.5 46.5

