

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070622\
 Data File : VN073354.D
 Acq On : 06 Jul 2022 18:52
 Operator : JC\MD
 Sample : N3595-06
 Misc : 1.18g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20220488C-6C

Quant Time: Jul 07 04:25:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

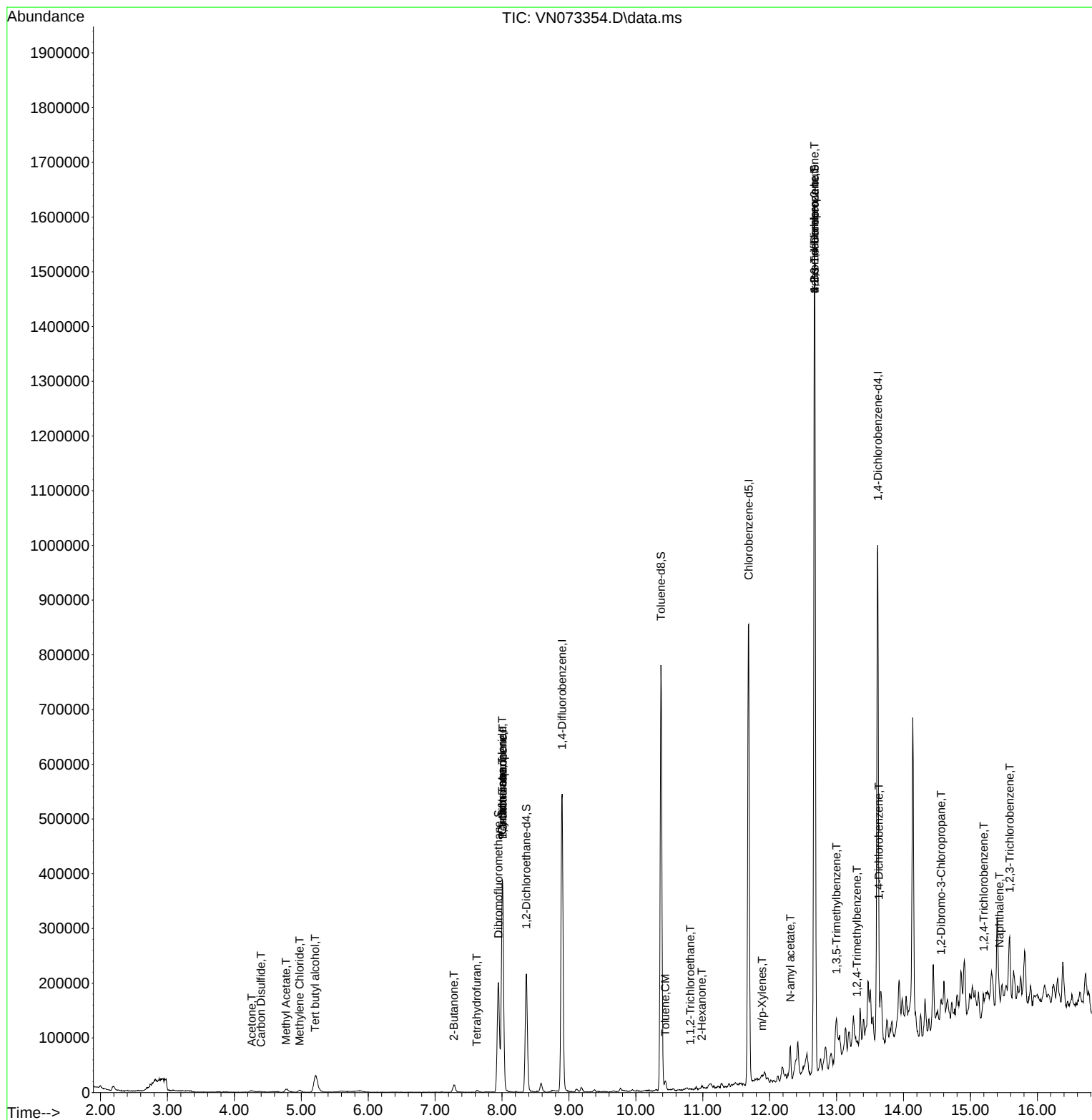
Internal Standards						
1) Pentafluorobenzene	8.010	168	301533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	497725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	496278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	256343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	175782	40.382	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	80.760%		
35) Dibromofluoromethane	7.945	113	148993	44.993	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.980%		
50) Toluene-d8	10.375	98	534765	45.469	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.940%		
62) 4-Bromofluorobenzene	12.669	95	255352	56.497	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	113.000%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.204	59	34581	32.794	ug/l #	74
16) Acetone	4.257	43	6149	2.517	ug/l	98
17) Carbon Disulfide	4.399	76	1920	0.209	ug/l #	75
18) Methyl Acetate	4.769	43	13504	1.972	ug/l #	89
20) Methylene Chloride	4.975	84	1980	0.461	ug/l #	77
25) 2-Butanone	7.281	43	2625	0.675	ug/l	93
29) Tetrahydrofuran	7.622	42	2972	1.116	ug/l #	62
31) Cyclohexane	8.004	56	6643	0.932	ug/l #	36
36) 1,1-Dichloropropene	8.010	75	24993	4.905	ug/l #	48
38) Carbon Tetrachloride	8.004	117	30247	5.740	ug/l #	17
52) Toluene	10.439	92	2650	0.273	ug/l	90
55) 1,1,2-Trichloroethane	10.816	97	873	0.218	ug/l #	30
59) 2-Hexanone	10.986	43	3517	0.658	ug/l #	23
68) m/p-Xylenes	11.886	106	2588	0.337	ug/l	96
74) N-amyl acetate	12.310	43	13945	1.258	ug/l #	54
76) 1,2,3-Trichloropropane	12.669	75	140577	20.973	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.998	105	6333	0.351	ug/l	79
81) trans-1,4-Dichloro-2-b...	12.669	75	140577	57.517	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.304	105	7223	0.401	ug/l	97
88) 1,4-Dichlorobenzene	13.633	146	1854	0.200	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.563	75	390	0.218	ug/l	73
93) 1,2,4-Trichlorobenzene	15.198	180	1358	0.277	ug/l #	31
95) Naphthalene	15.433	128	12510	0.633	ug/l #	59
96) 1,2,3-Trichlorobenzene	15.586	180	1952	0.386	ug/l #	1

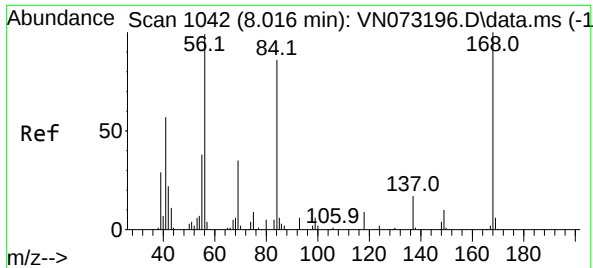
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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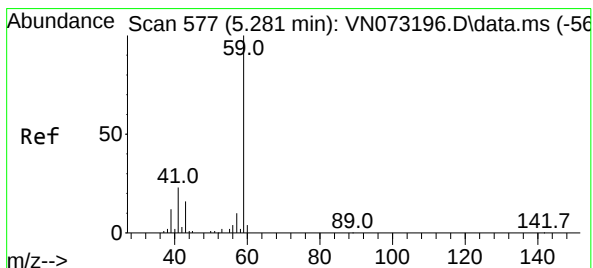
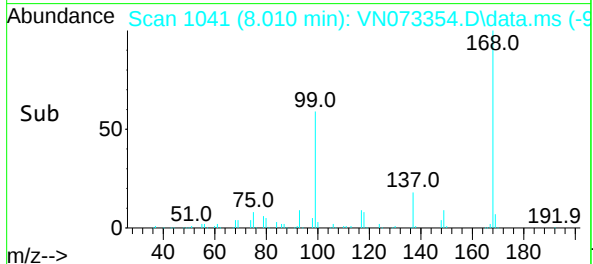
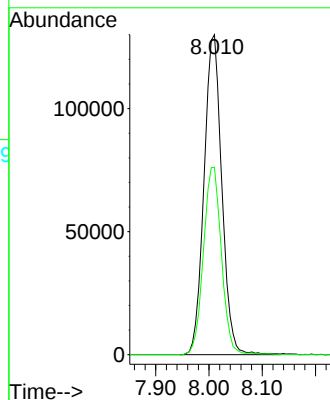
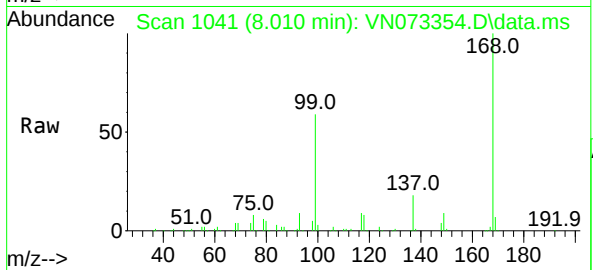




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN073354.D
Acq: 06 Jul 2022 18:52

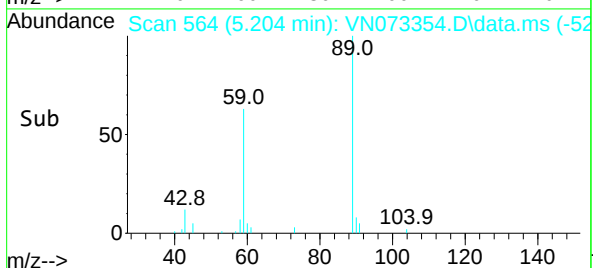
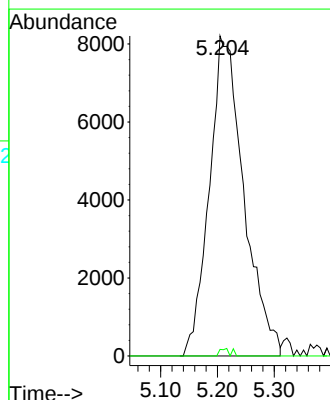
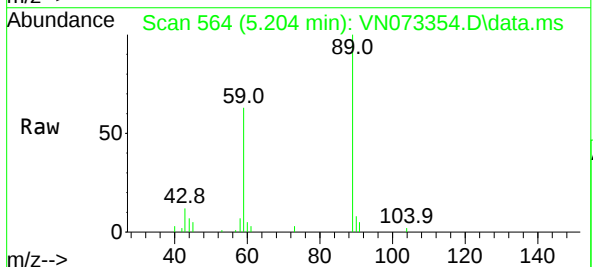
Instrument :
MSVOA_N
ClientSampleId :
20220488C-6C

Tgt Ion:168 Resp: 301533
Ion Ratio Lower Upper
168 100
99 58.5 42.3 63.5



#11
Tert butyl alcohol
Concen: 32.794 ug/l
RT: 5.204 min Scan# 564
Delta R.T. -0.077 min
Lab File: VN073354.D
Acq: 06 Jul 2022 18:52

Tgt Ion: 59 Resp: 34581
Ion Ratio Lower Upper
59 100
57 0.7 8.3 12.5#

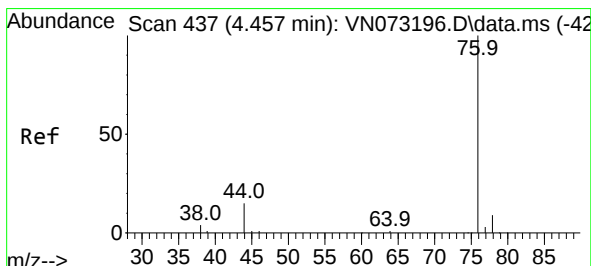
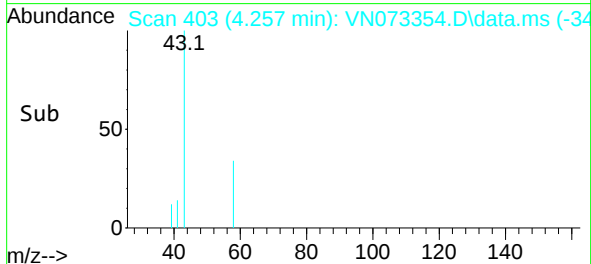
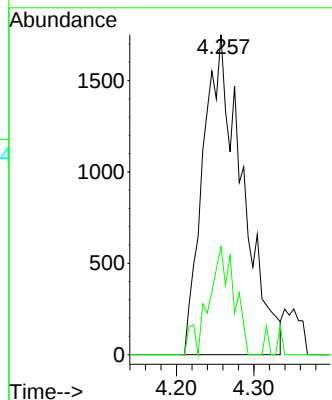
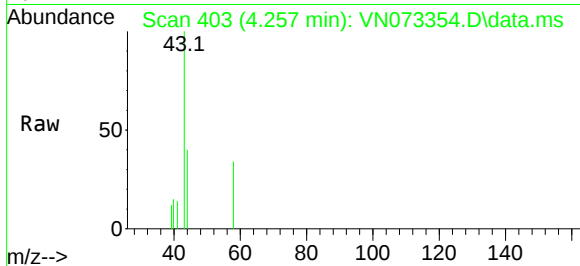




#16
Acetone
Concen: 2.517 ug/l
RT: 4.257 min Scan# 403
Delta R.T. 0.035 min
Lab File: VN073354.D
Acq: 06 Jul 2022 18:52

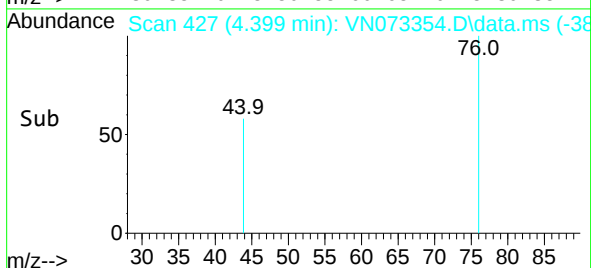
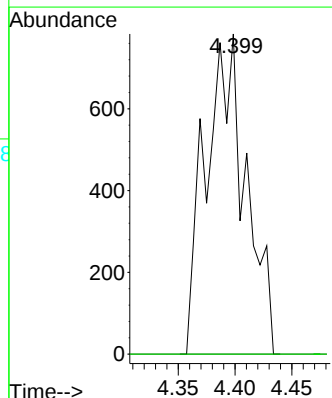
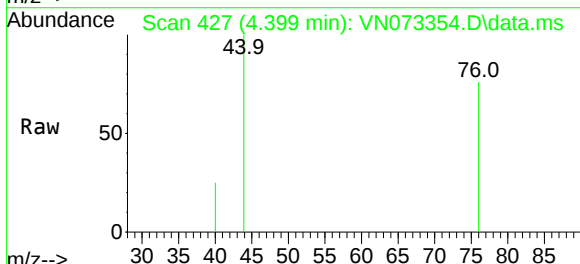
Instrument :
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ClientSampleId :
20220488C-6C

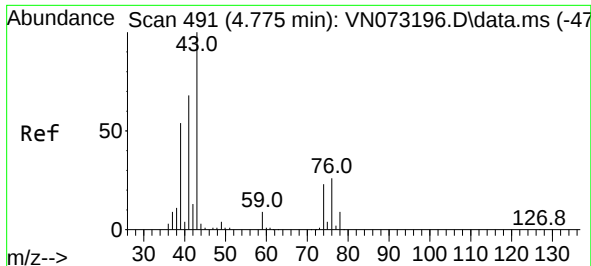
Tgt Ion: 43 Resp: 6149
Ion Ratio Lower Upper
43 100
58 33.7 26.0 39.0



#17
Carbon Disulfide
Concen: 0.209 ug/l
RT: 4.399 min Scan# 427
Delta R.T. -0.058 min
Lab File: VN073354.D
Acq: 06 Jul 2022 18:52

Tgt Ion: 76 Resp: 1920
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

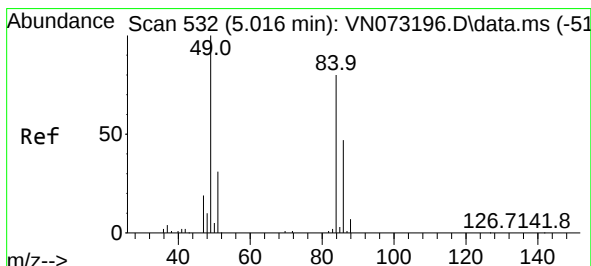
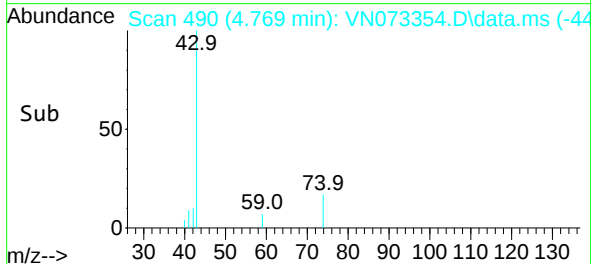
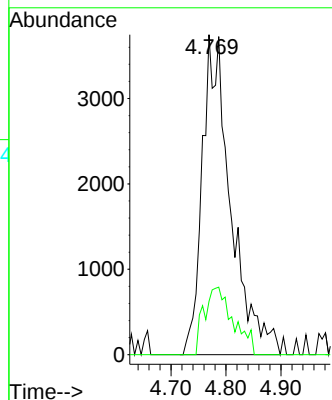
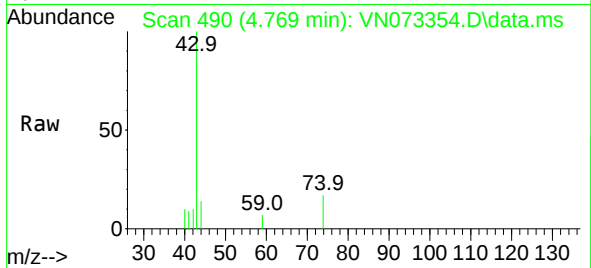




#18
Methyl Acetate
Concen: 1.972 ug/l
RT: 4.769 min Scan# 491
Delta R.T. -0.006 min
Lab File: VN073354.D
Acq: 06 Jul 2022 18:52

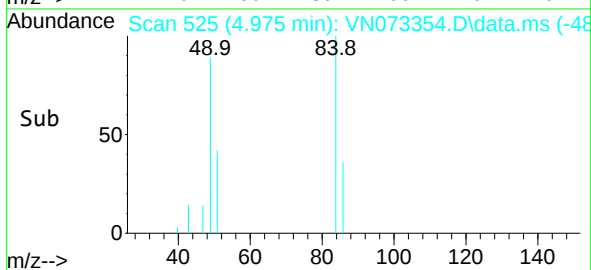
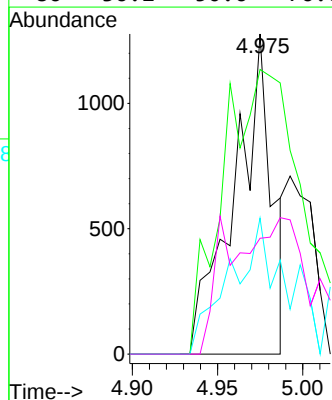
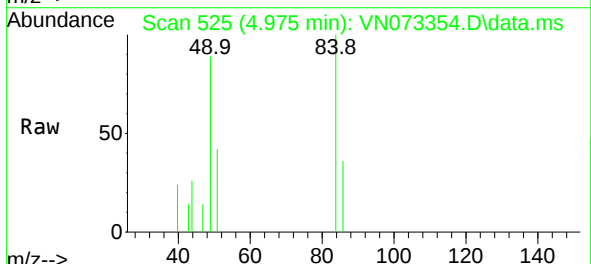
Instrument :
MSVOA_N
ClientSampleId :
20220488C-6C

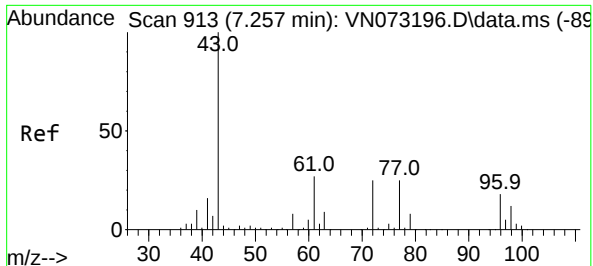
Tgt Ion: 43 Resp: 13504
Ion Ratio Lower Upper
43 100
74 21.5 21.6 32.4#



#20
Methylene Chloride
Concen: 0.461 ug/l
RT: 4.975 min Scan# 525
Delta R.T. -0.041 min
Lab File: VN073354.D
Acq: 06 Jul 2022 18:52

Tgt Ion: 84 Resp: 1980
Ion Ratio Lower Upper
84 100
49 88.9 88.3 132.5
51 42.4 28.2 42.2#
86 36.2 50.6 76.0#





#25

2-Butanone

Concen: 0.675 ug/l

RT: 7.281 min Scan# 913

Delta R.T. 0.024 min

Lab File: VN073354.D

Acq: 06 Jul 2022 18:52

Instrument :

MSVOA_N

ClientSampleId :

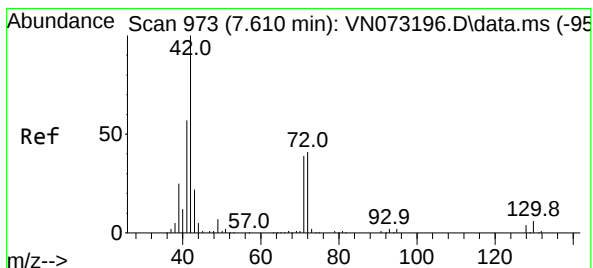
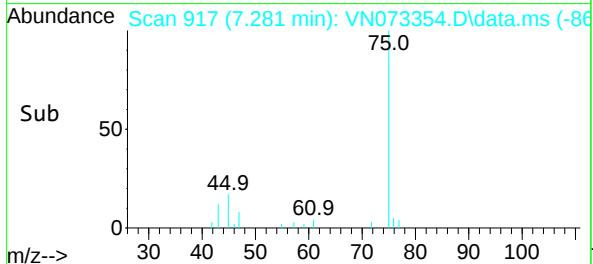
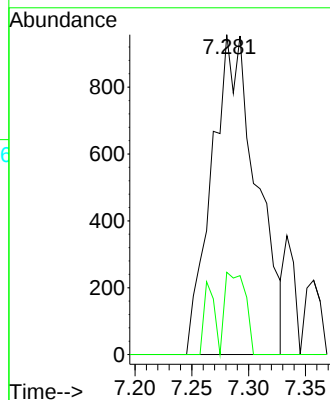
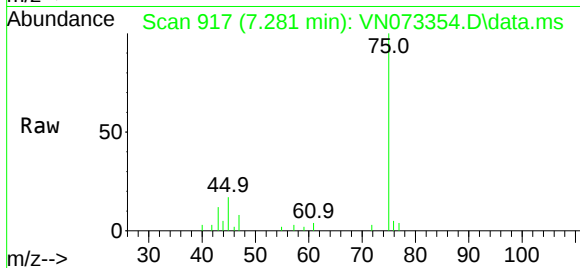
20220488C-6C

Tgt Ion: 43 Resp: 2625

Ion Ratio Lower Upper

43 100

72 25.7 23.7 35.5



#29

Tetrahydrofuran

Concen: 1.116 ug/l

RT: 7.622 min Scan# 975

Delta R.T. 0.012 min

Lab File: VN073354.D

Acq: 06 Jul 2022 18:52

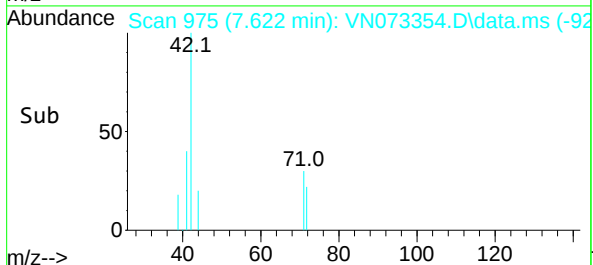
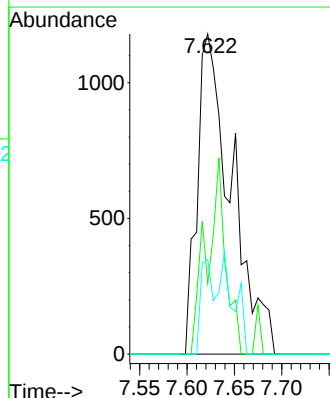
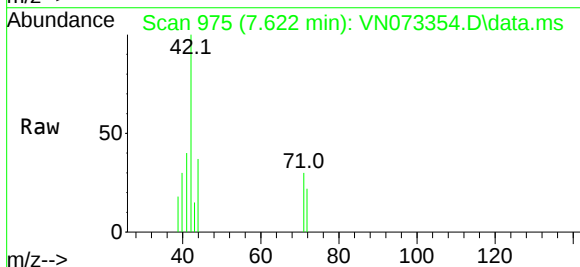
Tgt Ion: 42 Resp: 2972

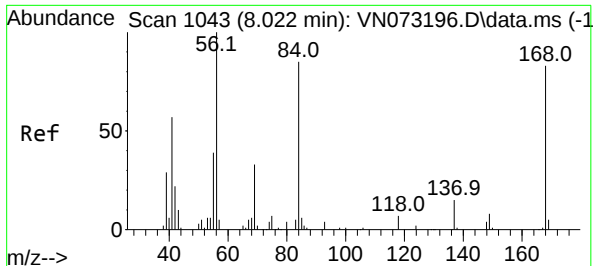
Ion Ratio Lower Upper

42 100

72 33.9 39.7 59.5#

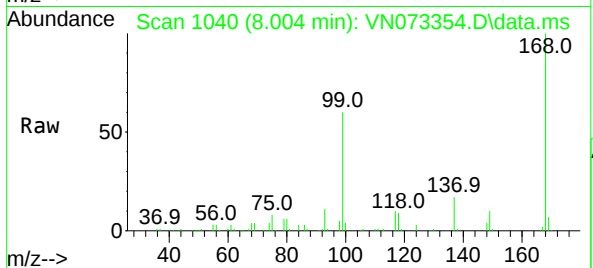
71 10.5 36.6 55.0#



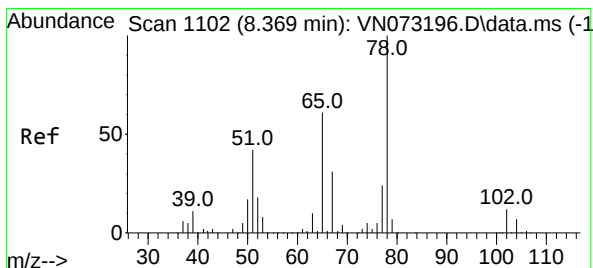
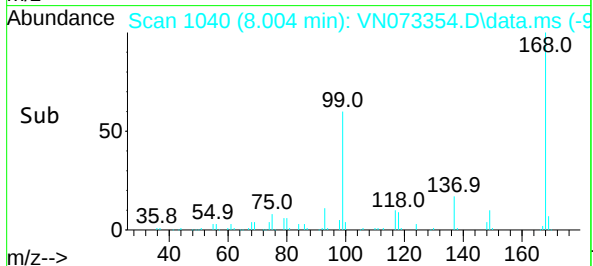
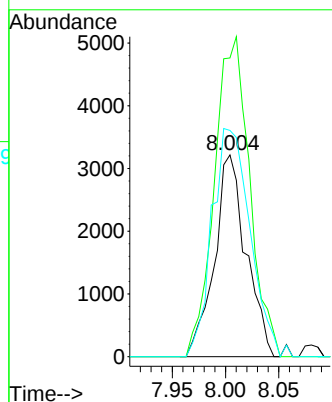


#31
Cyclohexane
Concen: 0.932 ug/l
RT: 8.004 min Scan# 1101
Delta R.T. -0.018 min
Lab File: VN073354.D
Acq: 06 Jul 2022 18:52

Instrument :
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ClientSampleId :
20220488C-6C

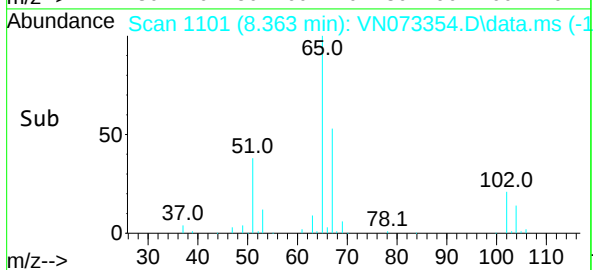
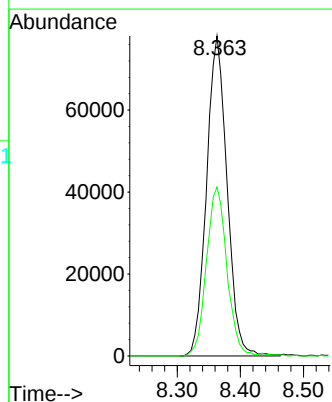
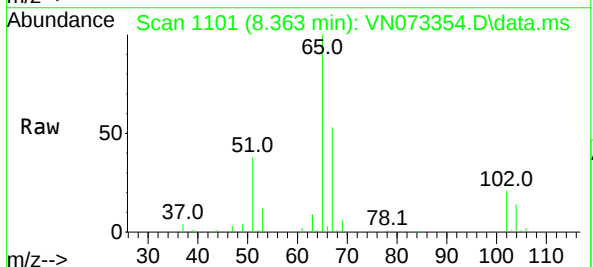


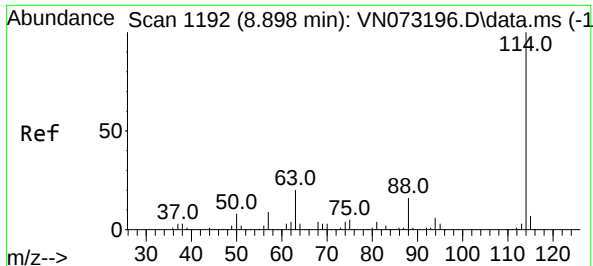
Tgt Ion: 56 Resp: 6643
Ion Ratio Lower Upper
56 100
69 148.1 27.8 41.8#
84 112.1 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 40.382 ug/l
RT: 8.363 min Scan# 1101
Delta R.T. -0.006 min
Lab File: VN073354.D
Acq: 06 Jul 2022 18:52

Tgt Ion: 65 Resp: 175782
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.8

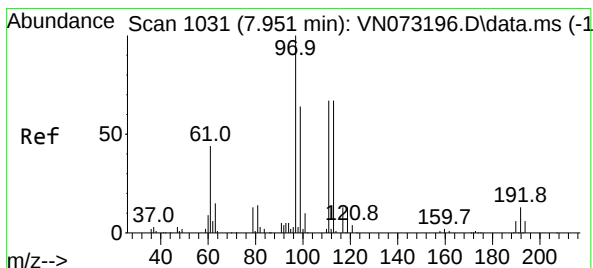
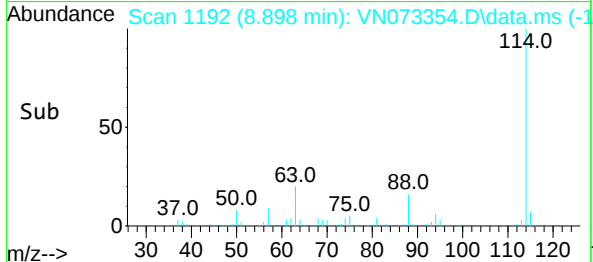
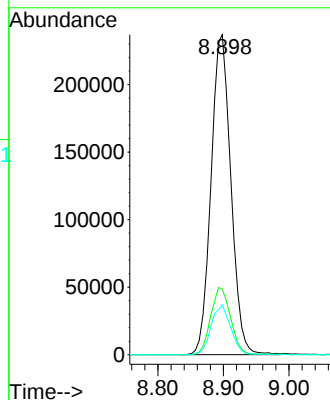
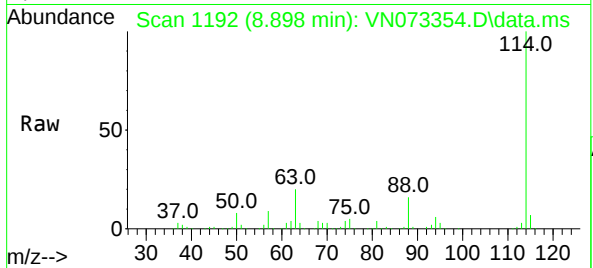




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.898 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VN073354.D
Acq: 06 Jul 2022 18:52

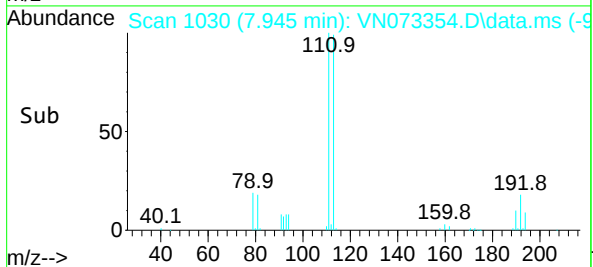
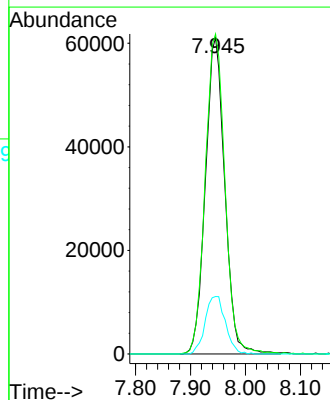
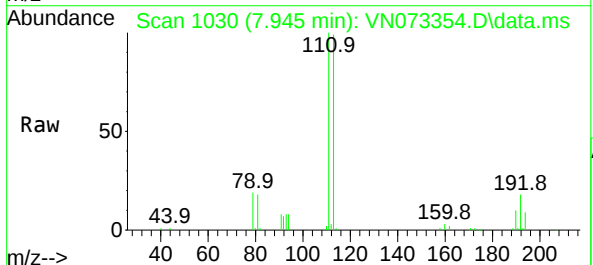
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20220488C-6C

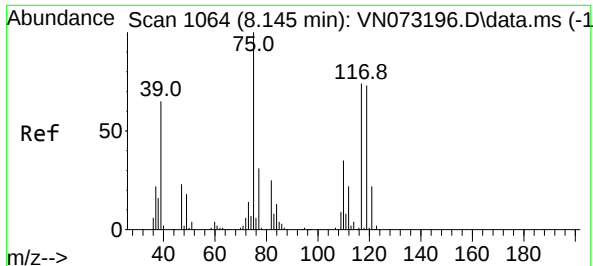
Tgt Ion:114 Resp: 497725
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.0
88 15.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 44.993 ug/l
RT: 7.945 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VN073354.D
Acq: 06 Jul 2022 18:52

Tgt Ion:113 Resp: 148993
Ion Ratio Lower Upper
113 100
111 103.3 81.4 122.0
192 19.0 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.905 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.135 min

Lab File: VN073354.D

Acq: 06 Jul 2022 18:52

Instrument :

MSVOA_N

ClientSampleId :

20220488C-6C

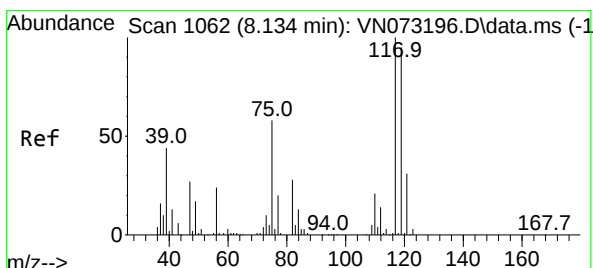
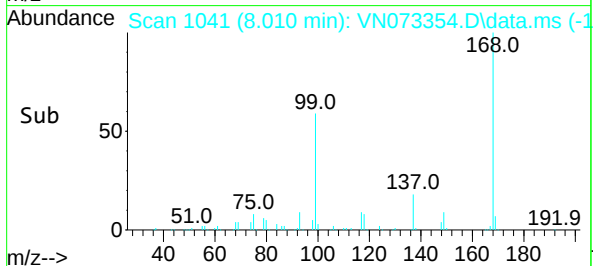
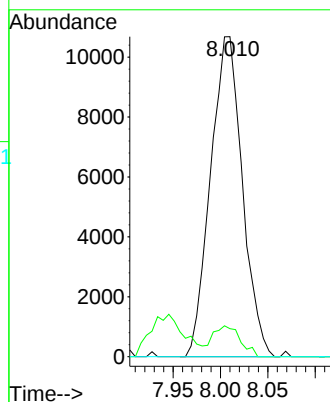
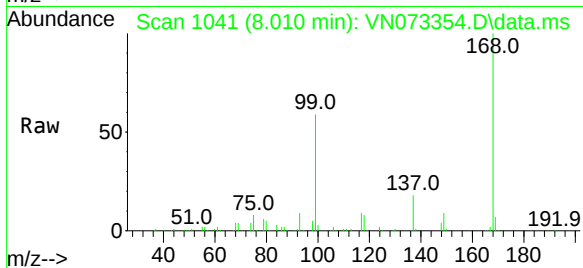
Tgt Ion: 75 Resp: 24993

Ion Ratio Lower Upper

75 100

110 8.4 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.740 ug/l

RT: 8.004 min Scan# 1040

Delta R.T. -0.130 min

Lab File: VN073354.D

Acq: 06 Jul 2022 18:52

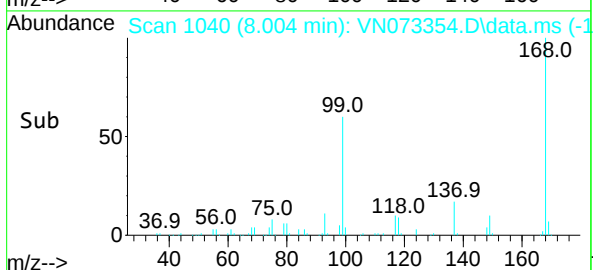
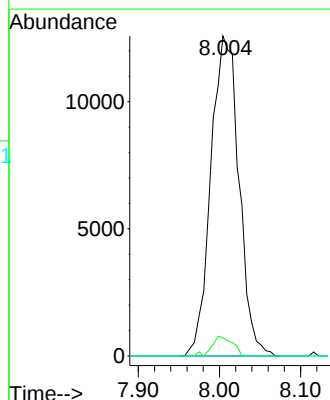
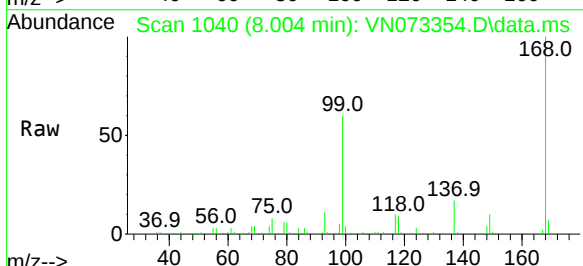
Tgt Ion: 117 Resp: 30247

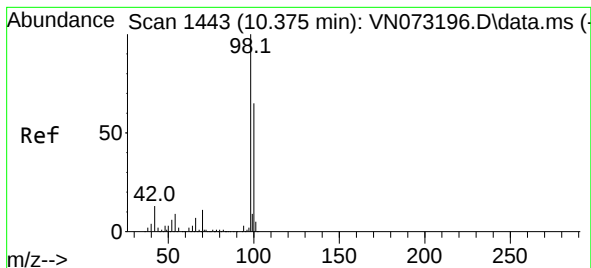
Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.8#

121 0.0 24.6 37.0#

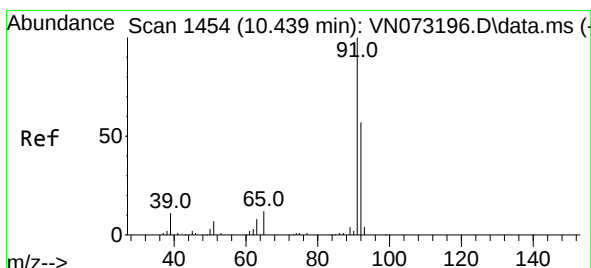
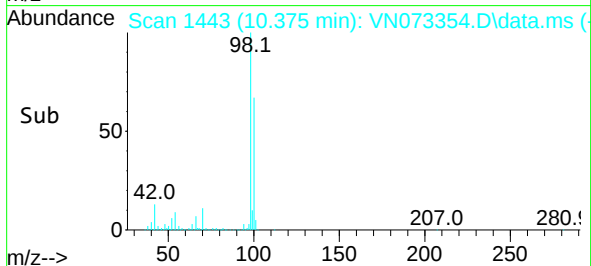
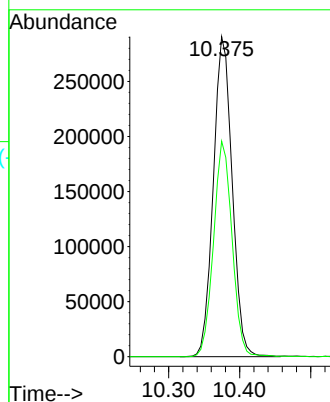
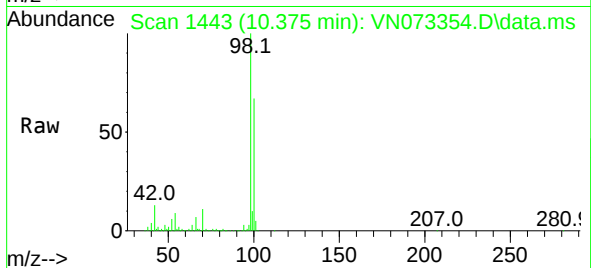




#50
Toluene-d8
Concen: 45.469 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN073354.D
Acq: 06 Jul 2022 18:52

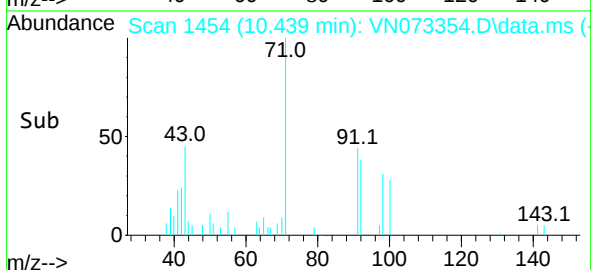
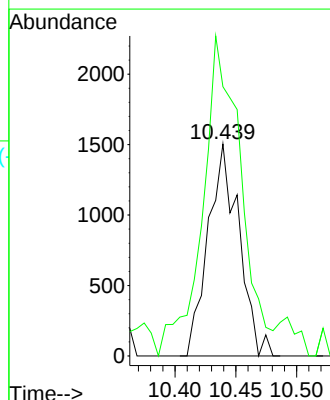
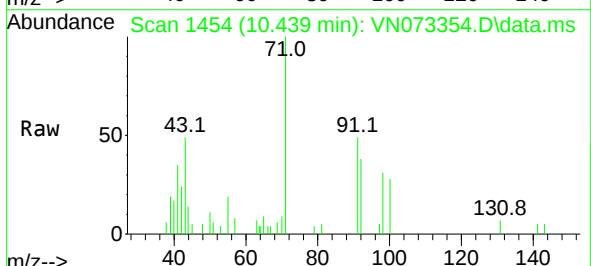
Instrument :
MSVOA_N
ClientSampleId :
20220488C-6C

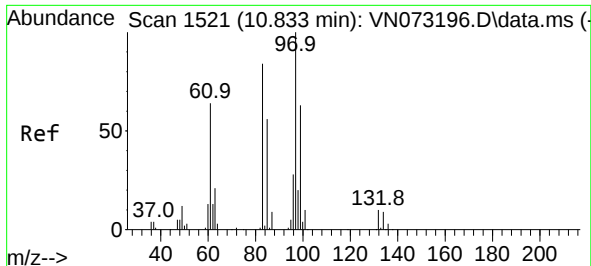
Tgt Ion: 98 Resp: 534765
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#52
Toluene
Concen: 0.273 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN073354.D
Acq: 06 Jul 2022 18:52

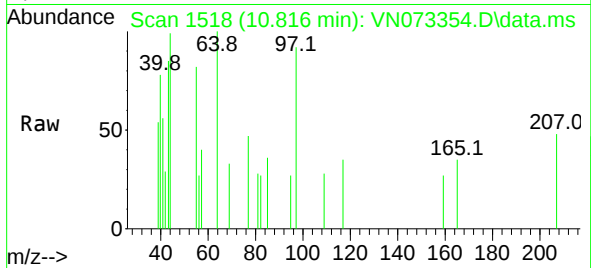
Tgt Ion: 92 Resp: 2650
Ion Ratio Lower Upper
92 100
91 186.9 138.6 207.8



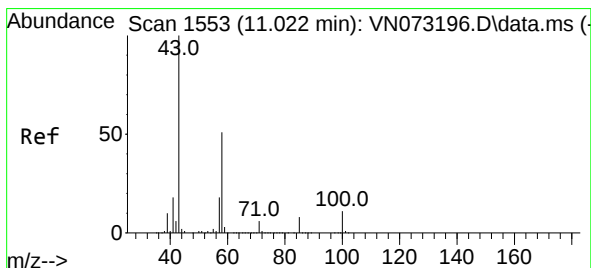
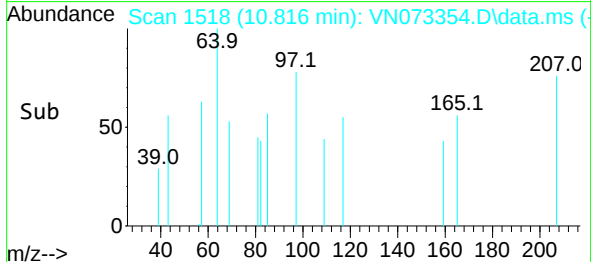
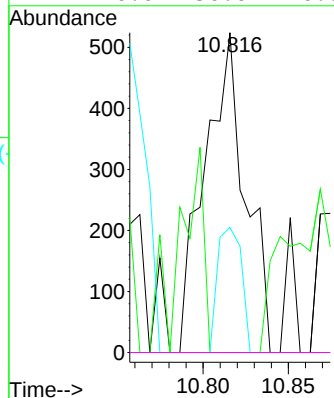


#55
1,1,2-Trichloroethane
Concen: 0.218 ug/l
RT: 10.816 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN073354.D
Acq: 06 Jul 2022 18:52

Instrument :
MSVOA_N
ClientSampleId :
20220488C-6C

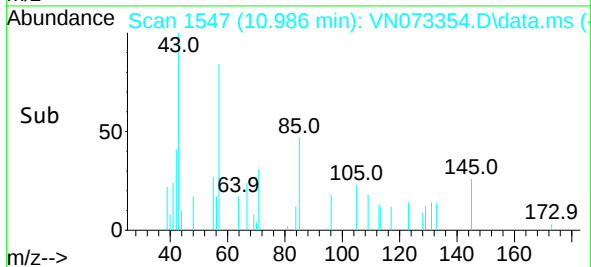
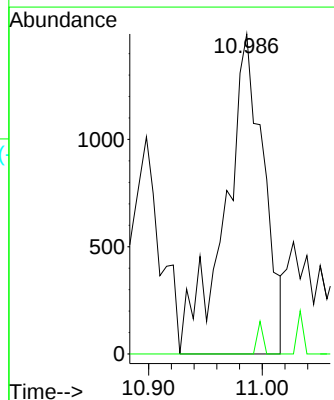
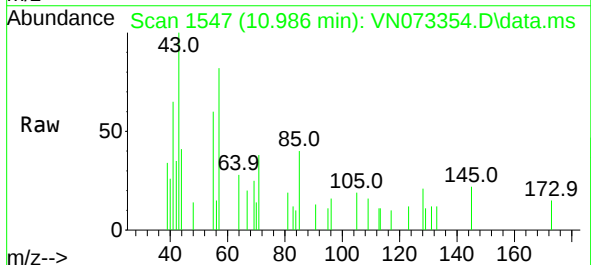


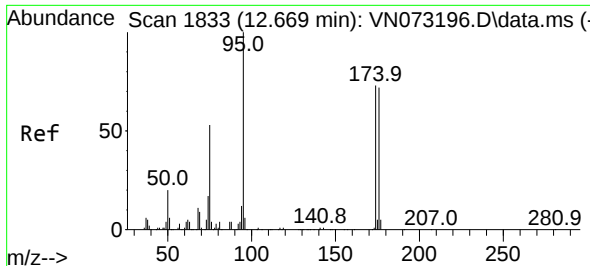
Tgt Ion: 97 Resp: 873
Ion Ratio Lower Upper
97 100
83 0.0 66.2 99.4#
85 39.1 43.9 65.9#
99 0.0 50.6 76.0#



#59
2-Hexanone
Concen: 0.658 ug/l
RT: 10.986 min Scan# 1547
Delta R.T. -0.036 min
Lab File: VN073354.D
Acq: 06 Jul 2022 18:52

Tgt Ion: 43 Resp: 3517
Ion Ratio Lower Upper
43 100
58 1.5 29.7 89.1#

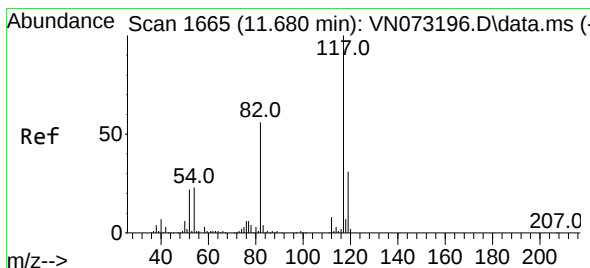
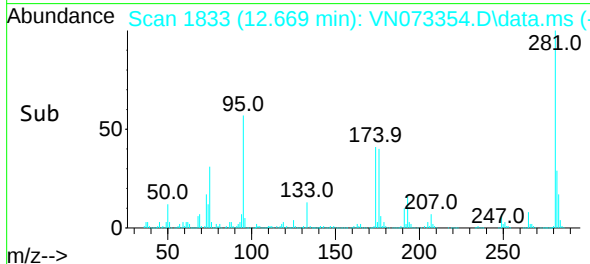
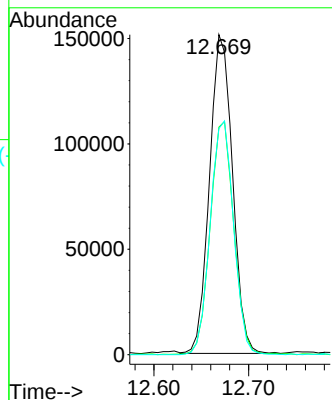
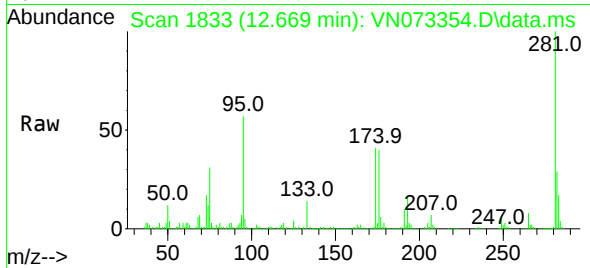




#62
4-Bromofluorobenzene
Concen: 56.497 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073354.D
Acq: 06 Jul 2022 18:52

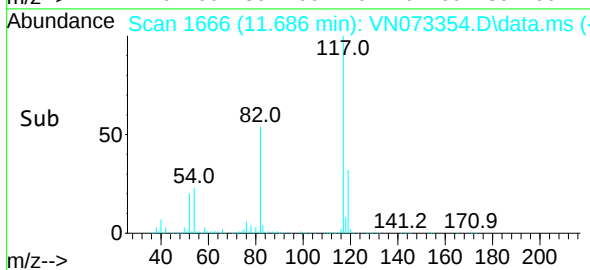
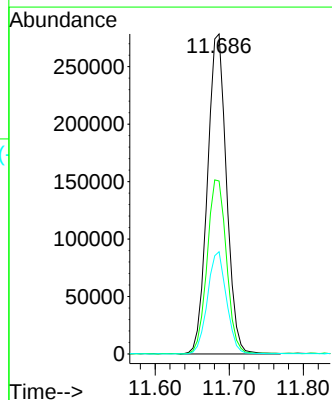
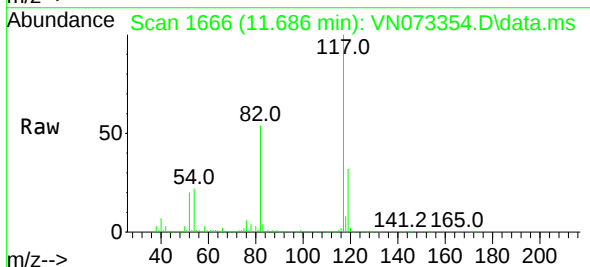
Instrument :
MSVOA_N
ClientSampleId :
20220488C-6C

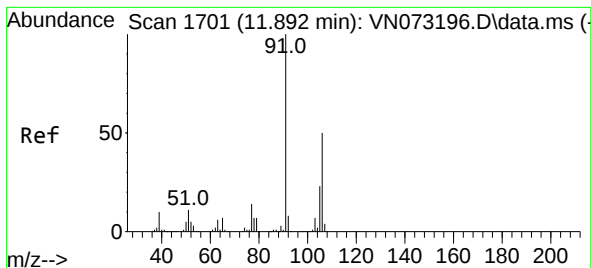
Tgt Ion: 95 Resp: 255352
Ion Ratio Lower Upper
95 100
174 75.3 0.0 167.6
176 74.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073354.D
Acq: 06 Jul 2022 18:52

Tgt Ion: 117 Resp: 496278
Ion Ratio Lower Upper
117 100
82 54.1 44.2 66.2
119 31.9 25.4 38.0

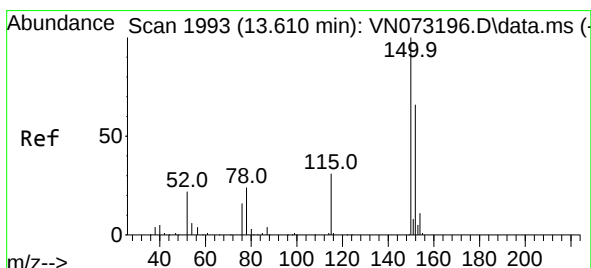
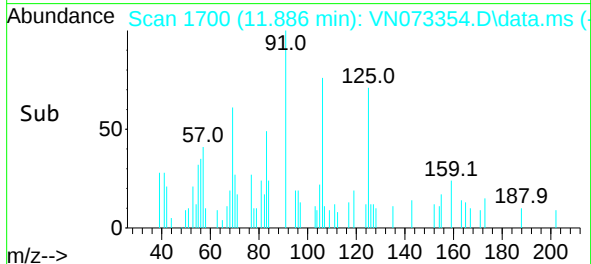
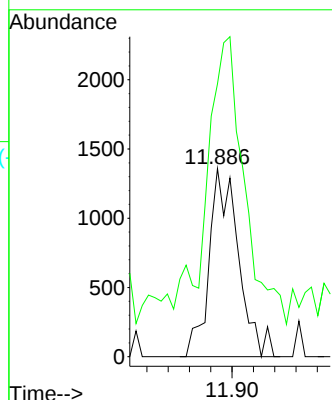
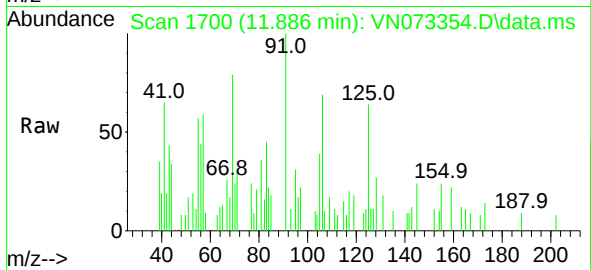




#68
m/p-Xylenes
Concen: 0.337 ug/l
RT: 11.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN073354.D
Acq: 06 Jul 2022 18:52

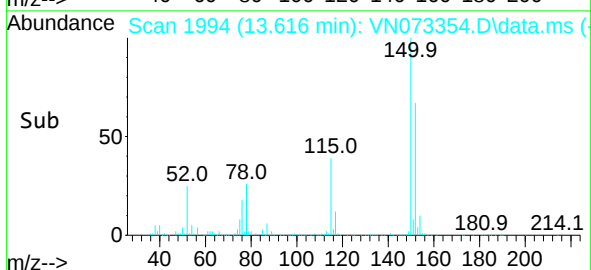
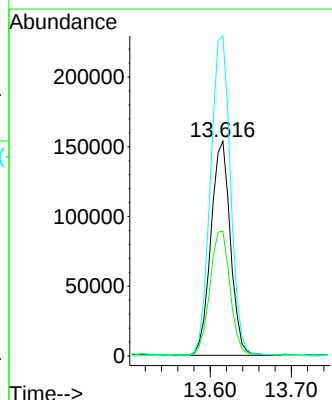
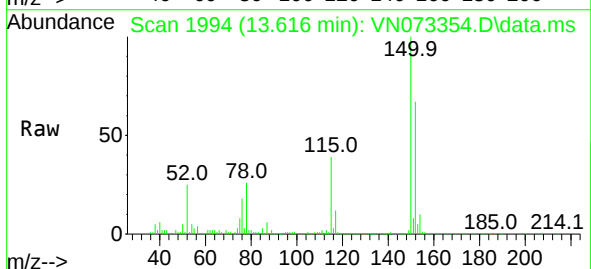
Instrument :
MSVOA_N
ClientSampleId :
20220488C-6C

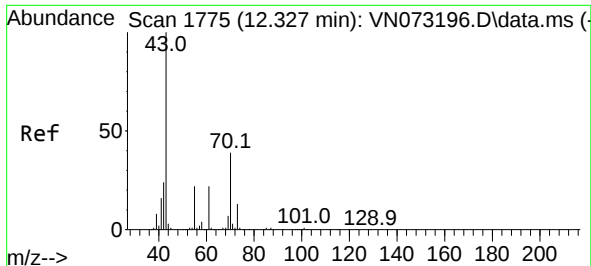
Tgt Ion:106 Resp: 2588
Ion Ratio Lower Upper
106 100
91 193.3 158.9 238.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN073354.D
Acq: 06 Jul 2022 18:52

Tgt Ion:152 Resp: 256343
Ion Ratio Lower Upper
152 100
115 59.5 28.9 86.7
150 154.3 0.0 356.2

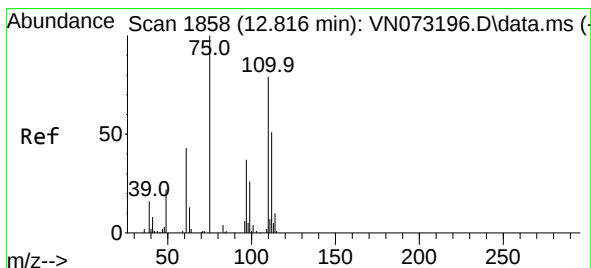
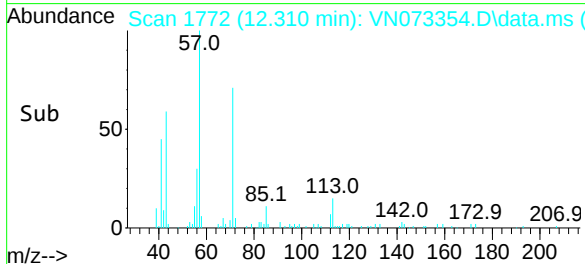
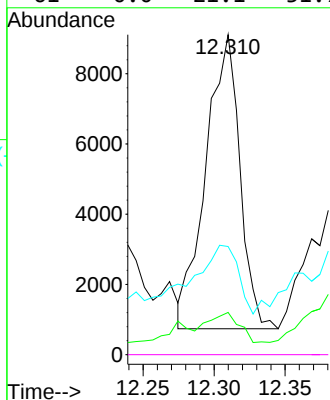
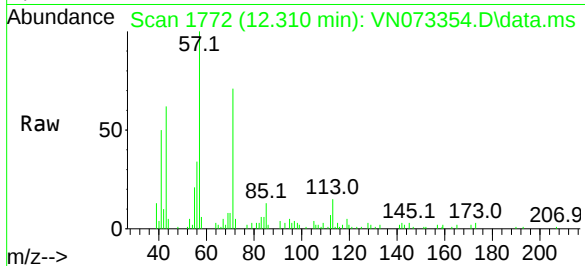




#74
N-amy1 acetate
Concen: 1.258 ug/l
RT: 12.310 min Scan# 1
Delta R.T. -0.017 min
Lab File: VN073354.D
Acq: 06 Jul 2022 18:52

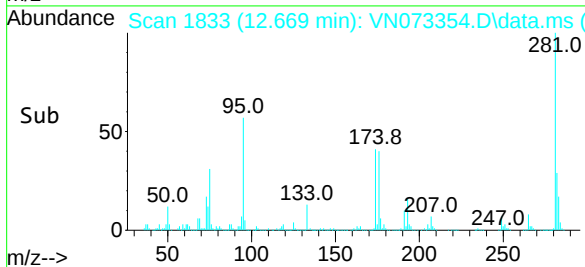
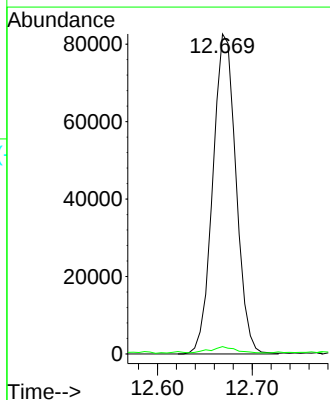
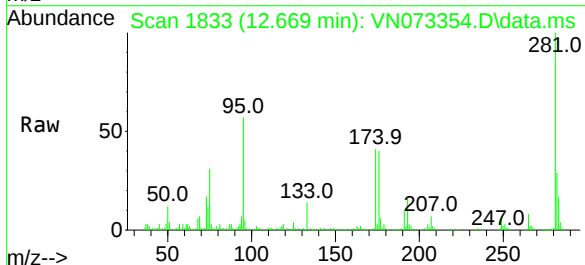
Instrument :
MSVOA_N
ClientSampleId :
20220488C-6C

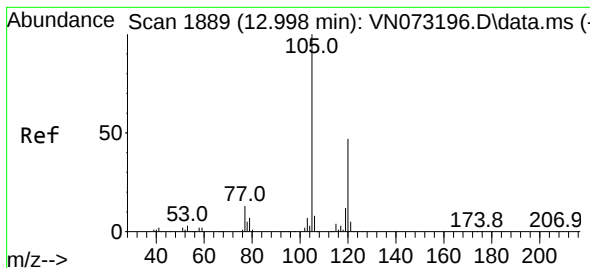
Tgt Ion: 43 Resp: 13945
Ion Ratio Lower Upper
43 100
70 9.4 39.0 58.4#
55 36.9 21.1 31.7#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 20.973 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073354.D
Acq: 06 Jul 2022 18:52

Tgt Ion: 75 Resp: 140577
Ion Ratio Lower Upper
75 100
77 2.0 98.5 295.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.351 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. -0.000 min

Lab File: VN073354.D

Acq: 06 Jul 2022 18:52

Instrument :

MSVOA_N

ClientSampleId :

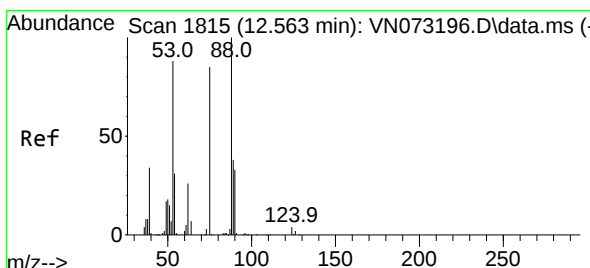
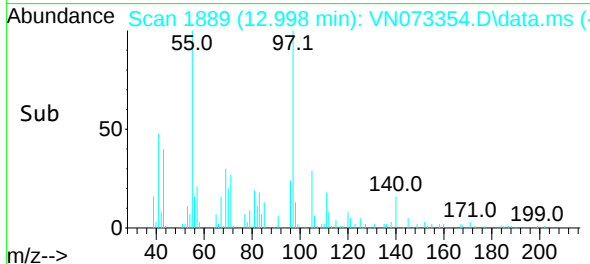
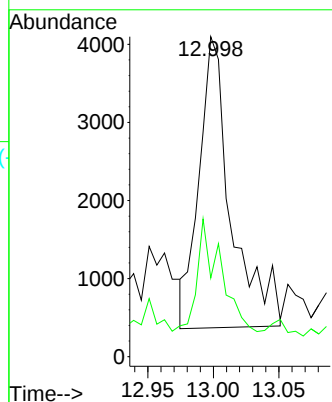
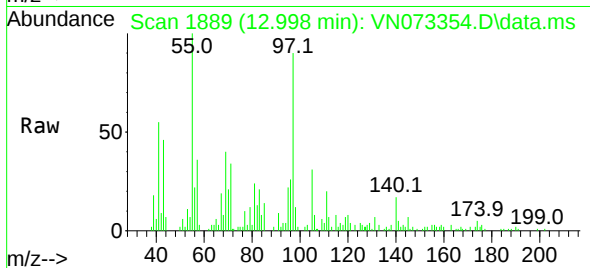
20220488C-6C

Tgt Ion:105 Resp: 6333

Ion Ratio Lower Upper

105 100

120 35.6 24.9 74.7



#81

trans-1,4-Dichloro-2-butene

Concen: 57.517 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.106 min

Lab File: VN073354.D

Acq: 06 Jul 2022 18:52

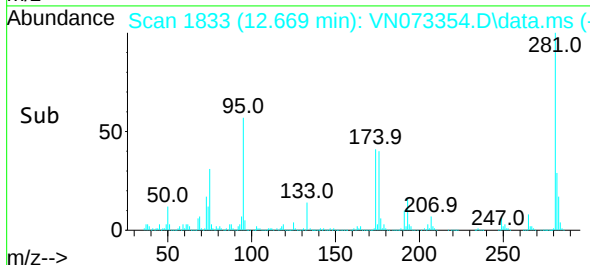
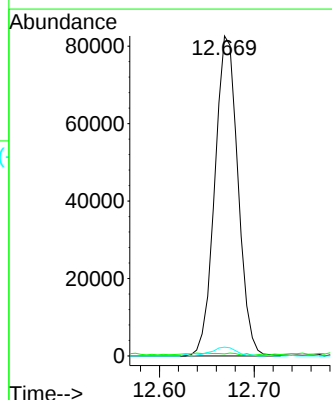
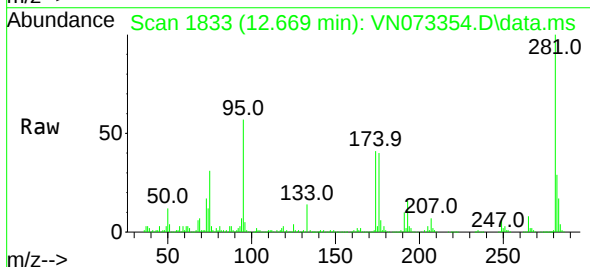
Tgt Ion: 75 Resp: 140577

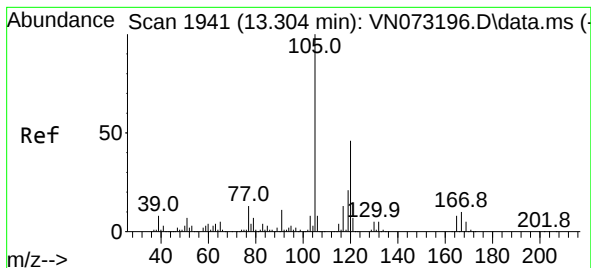
Ion Ratio Lower Upper

75 100

53 0.7 78.0 117.0#

89 3.0 37.2 55.8#





#84

1,2,4-Trimethylbenzene

Concen: 0.401 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. -0.000 min

Lab File: VN073354.D

Acq: 06 Jul 2022 18:52

Instrument :

MSVOA_N

ClientSampleId :

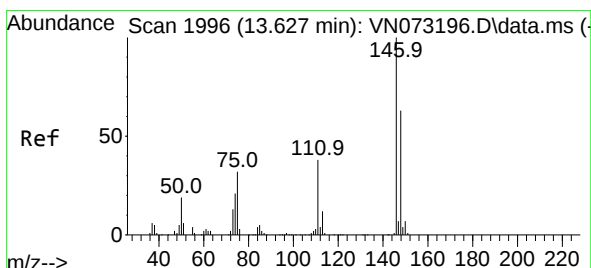
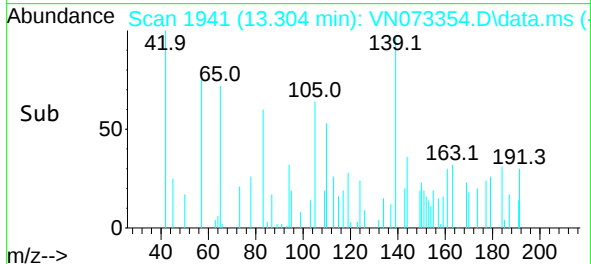
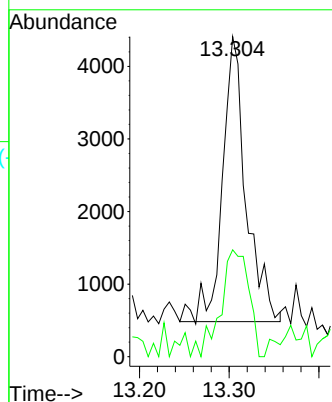
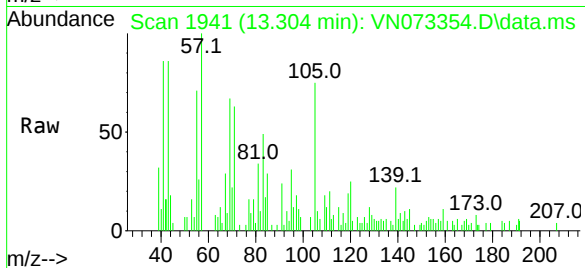
20220488C-6C

Tgt Ion:105 Resp: 7223

Ion Ratio Lower Upper

105 100

120 44.5 23.3 69.8



#88

1,4-Dichlorobenzene

Concen: 0.200 ug/l

RT: 13.633 min Scan# 1997

Delta R.T. 0.006 min

Lab File: VN073354.D

Acq: 06 Jul 2022 18:52

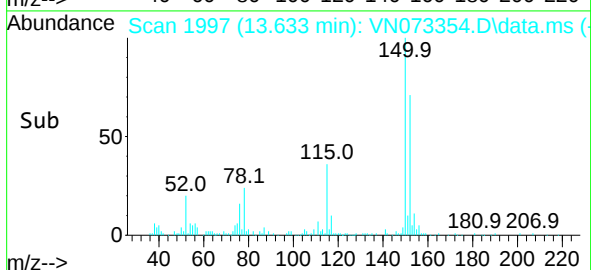
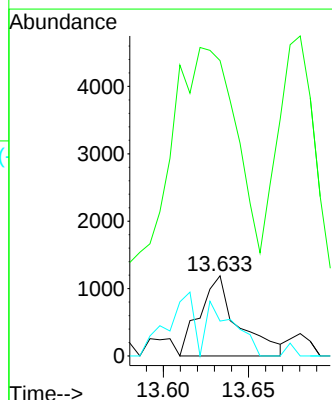
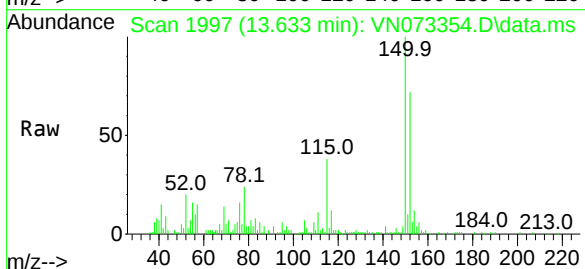
Tgt Ion:146 Resp: 1854

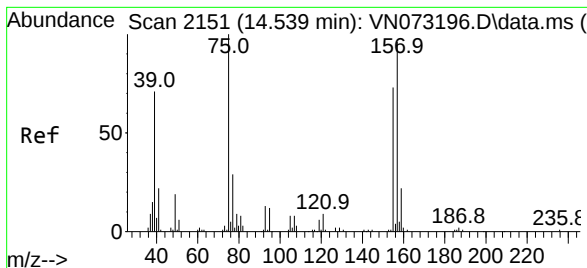
Ion Ratio Lower Upper

146 100

111 475.6 19.1 57.1#

148 49.2 31.4 94.3

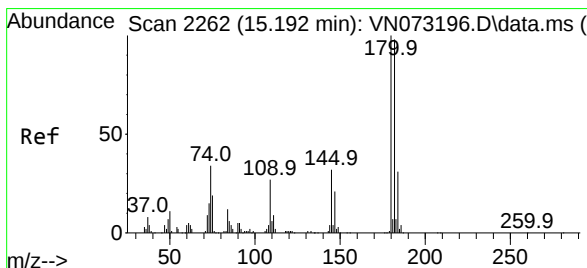
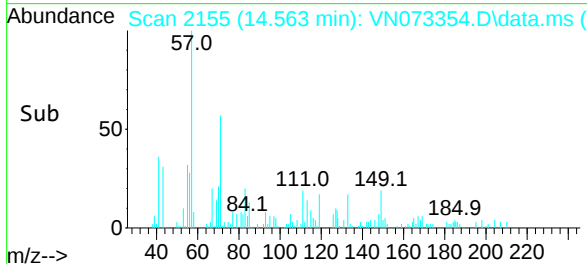
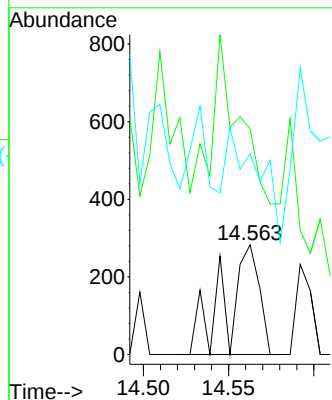
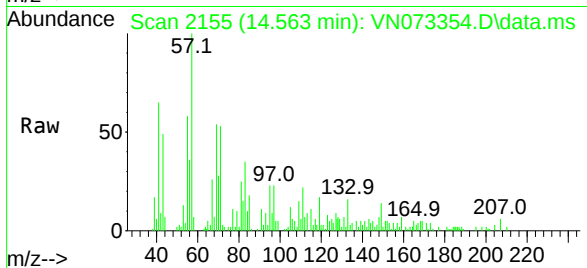




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.218 ug/l
 RT: 14.563 min Scan# 2155
 Delta R.T. 0.024 min
 Lab File: VN073354.D
 Acq: 06 Jul 2022 18:52

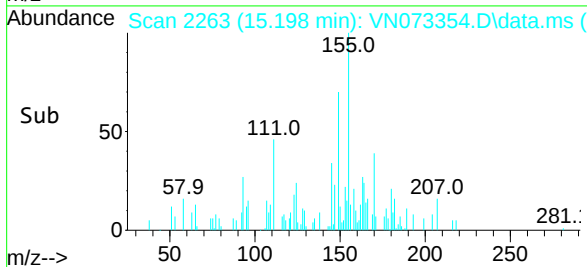
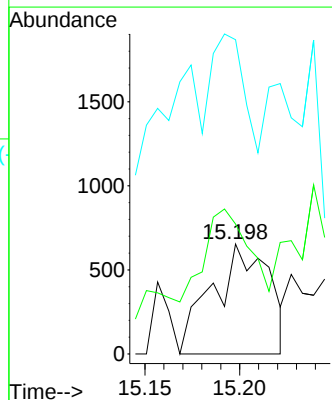
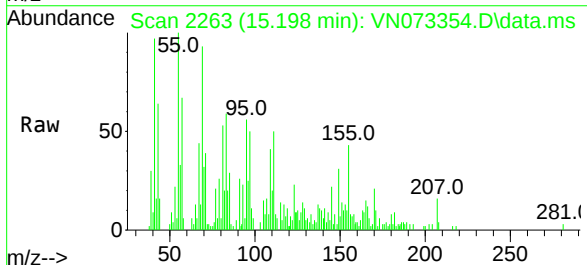
Instrument :
 MSVOA_N
 ClientSampleId :
 20220488C-6C

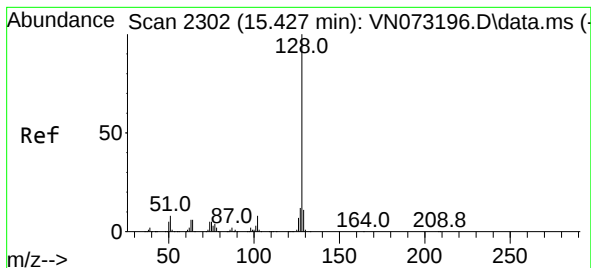
Tgt Ion: 75 Resp: 390
 Ion Ratio Lower Upper
 75 100
 155 126.9 44.9 134.5
 157 97.9 59.0 176.8



#93
 1,2,4-Trichlorobenzene
 Concen: 0.277 ug/l
 RT: 15.198 min Scan# 2263
 Delta R.T. 0.006 min
 Lab File: VN073354.D
 Acq: 06 Jul 2022 18:52

Tgt Ion: 180 Resp: 1358
 Ion Ratio Lower Upper
 180 100
 182 65.0 47.5 142.5
 145 131.7 14.5 43.5#





#95

Naphthalene

Concen: 0.633 ug/l

RT: 15.433 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN073354.D

Acq: 06 Jul 2022 18:52

Instrument :

MSVOA_N

ClientSampleId :

20220488C-6C

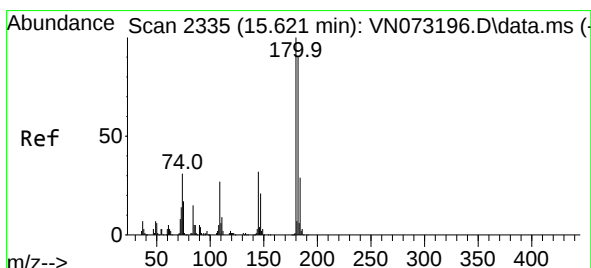
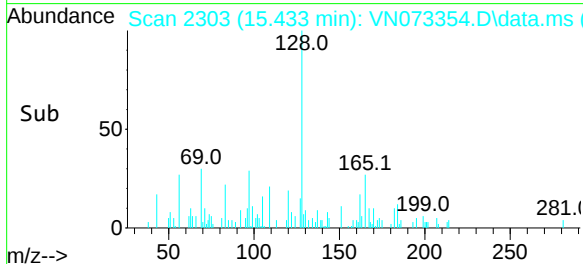
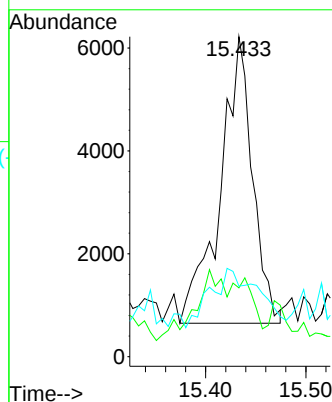
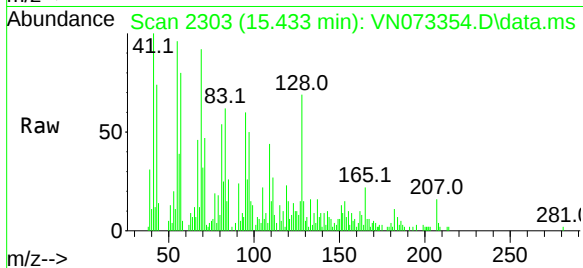
Tgt Ion:128 Resp: 12510

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 30.3 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 0.386 ug/l

RT: 15.586 min Scan# 2329

Delta R.T. -0.035 min

Lab File: VN073354.D

Acq: 06 Jul 2022 18:52

Tgt Ion:180 Resp: 1952

Ion Ratio Lower Upper

180 100

182 8.0 47.8 143.3#

145 161.8 15.5 46.5#

