

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070622\
 Data File : VN073353.D
 Acq On : 06 Jul 2022 18:27
 Operator : JC\MD
 Sample : N3595-04
 Misc : 4.94g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

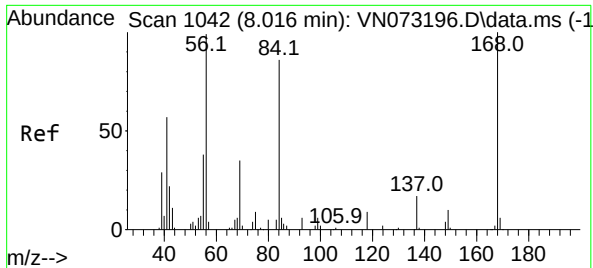
Instrument :
 MSVOA_N
 ClientSampleId :
 20220488A-6A

Quant Time: Jul 07 04:25:14 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	8.004	168	280375	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.898	114	462737	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	474839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	248071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	169372	41.846	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.700%		
35) Dibromofluoromethane	7.945	113	139609	45.347	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.700%		
50) Toluene-d8	10.375	98	498653	45.604	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.200%		
62) 4-Bromofluorobenzene	12.669	95	255458	60.794	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	121.580%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.204	59	24755	25.248	ug/l #	73
16) Acetone	4.251	43	4967	2.186	ug/l	93
17) Carbon Disulfide	4.404	76	13898	1.624	ug/l	97
18) Methyl Acetate	4.775	43	18368	2.885	ug/l #	73
20) Methylene Chloride	4.969	84	1840	0.461	ug/l #	75
25) 2-Butanone	7.275	43	5190	1.435	ug/l	96
31) Cyclohexane	8.004	56	6415	0.968	ug/l #	20
36) 1,1-Dichloropropene	8.004	75	22427	4.734	ug/l #	49
37) Ethyl Acetate	7.275	43	5190	0.725	ug/l #	73
38) Carbon Tetrachloride	8.004	117	29530	6.028	ug/l #	16
40) Benzene	8.386	78	4604	0.315	ug/l	93
52) Toluene	10.439	92	5734	0.635	ug/l	98
53) t-1,3-Dichloropropene	10.516	75	2810	0.521	ug/l	98
54) cis-1,3-Dichloropropene	9.886	75	1558	0.268	ug/l #	43
67) Ethyl Benzene	11.780	91	4745	0.243	ug/l #	81
68) m/p-Xylenes	11.904	106	4168	0.566	ug/l	78
69) o-Xylene	12.222	106	2971	0.396	ug/l	78
74) N-amyl acetate	12.310	43	8613	0.803	ug/l #	56
76) 1,2,3-Trichloropropane	12.669	75	130240	20.078	ug/l #	1
78) n-propylbenzene	12.986	91	6671	0.280	ug/l	100
80) 1,3,5-Trimethylbenzene	12.921	105	3856	0.221	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.669	75	130240	55.064	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.651	75	579	0.335	ug/l	66
93) 1,2,4-Trichlorobenzene	15.186	180	1209	0.255	ug/l #	62
95) Naphthalene	15.433	128	28389	1.485	ug/l #	47

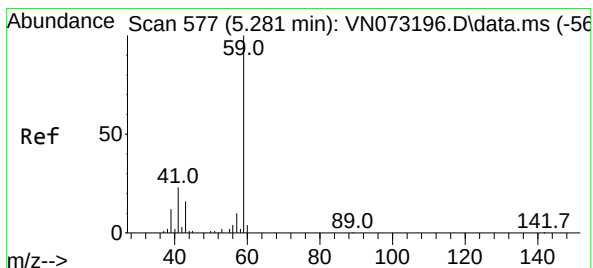
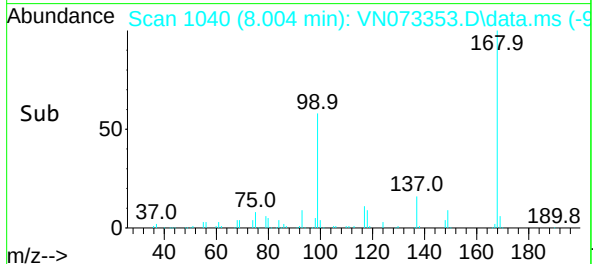
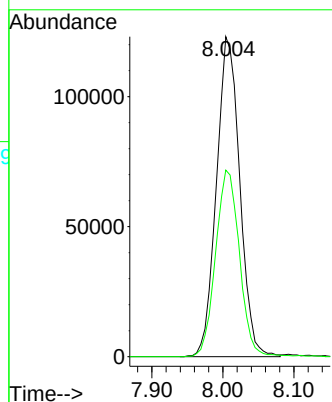
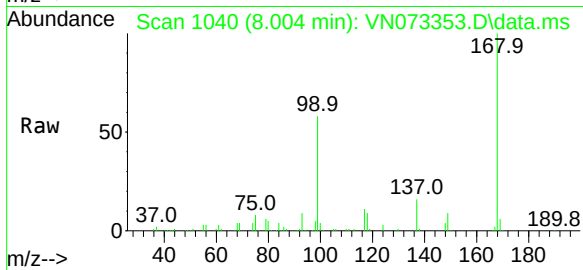
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.004 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN073353.D
Acq: 06 Jul 2022 18:27

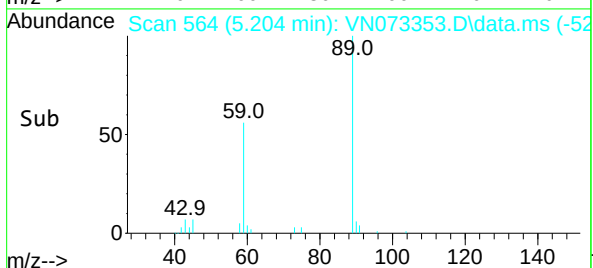
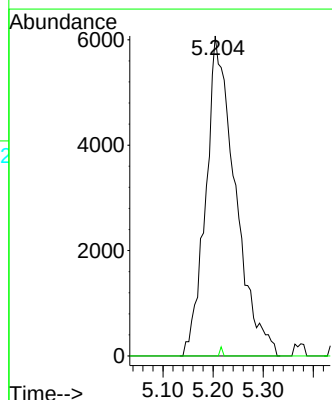
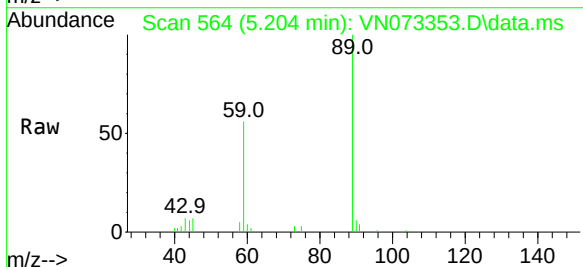
Instrument :
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20220488A-6A

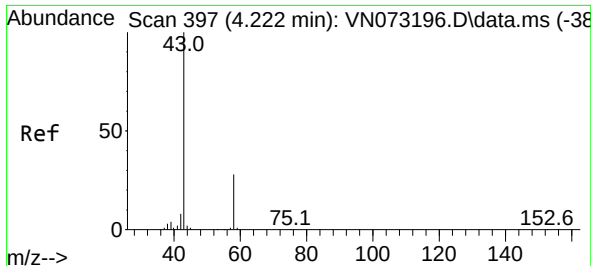
Tgt Ion:168 Resp: 280375
Ion Ratio Lower Upper
168 100
99 58.3 42.3 63.5



#11
Tert butyl alcohol
Concen: 25.248 ug/l
RT: 5.204 min Scan# 564
Delta R.T. -0.077 min
Lab File: VN073353.D
Acq: 06 Jul 2022 18:27

Tgt Ion: 59 Resp: 24755
Ion Ratio Lower Upper
59 100
57 0.2 8.3 12.5#





#16

Acetone

Concen: 2.186 ug/l

RT: 4.251 min Scan# 402

Delta R.T. 0.029 min

Lab File: VN073353.D

Acq: 06 Jul 2022 18:27

Instrument :

MSVOA_N

ClientSampleId :

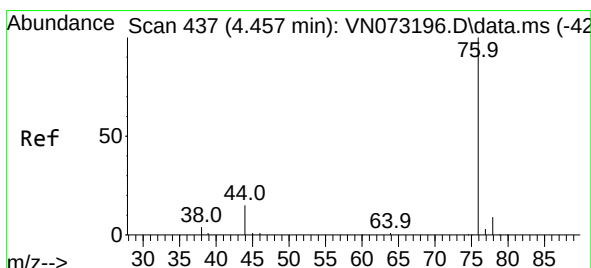
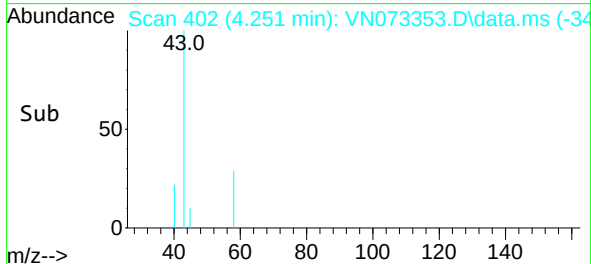
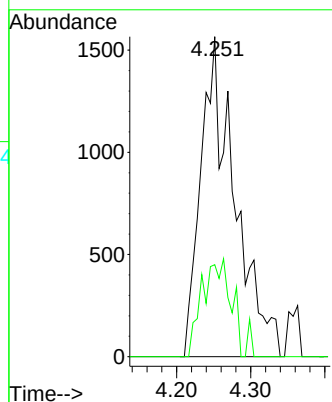
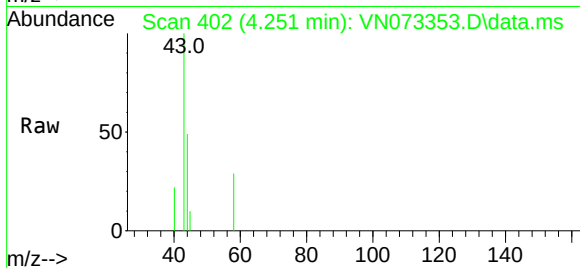
20220488A-6A

Tgt Ion: 43 Resp: 4967

Ion Ratio Lower Upper

43 100

58 28.7 26.0 39.0



#17

Carbon Disulfide

Concen: 1.624 ug/l

RT: 4.404 min Scan# 428

Delta R.T. -0.053 min

Lab File: VN073353.D

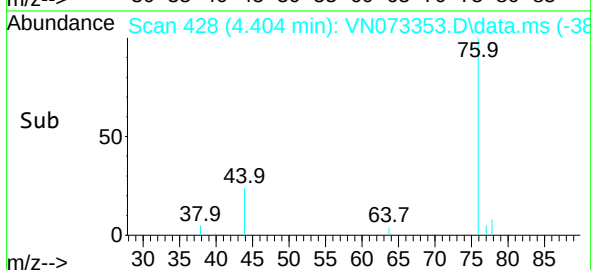
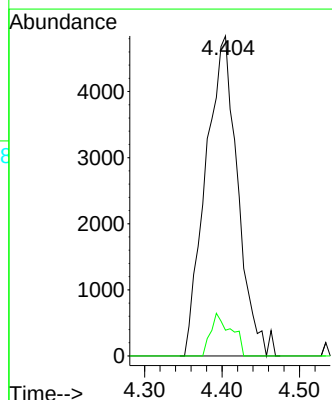
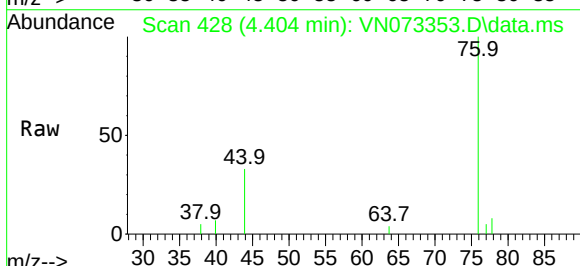
Acq: 06 Jul 2022 18:27

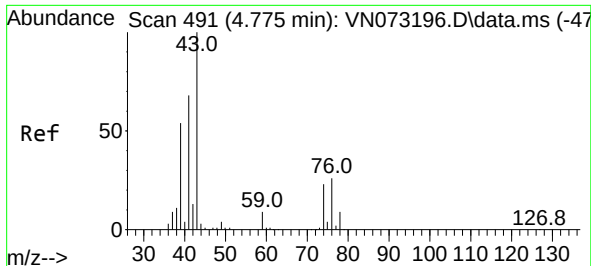
Tgt Ion: 76 Resp: 13898

Ion Ratio Lower Upper

76 100

78 8.1 7.2 10.8

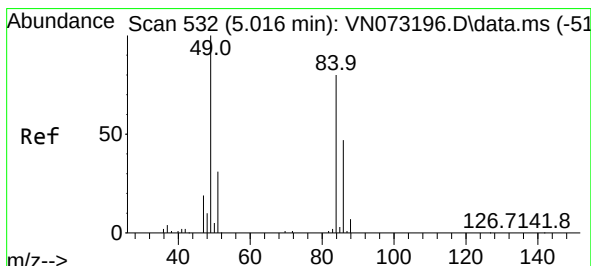
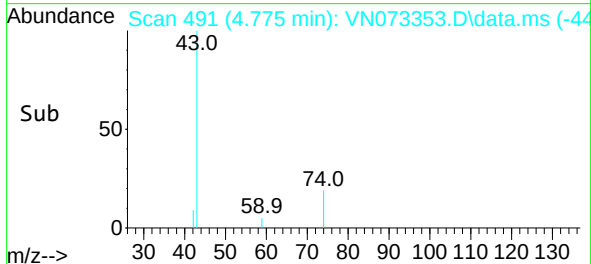
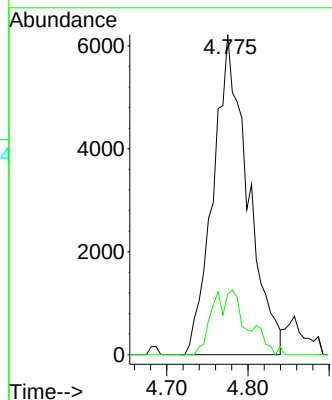
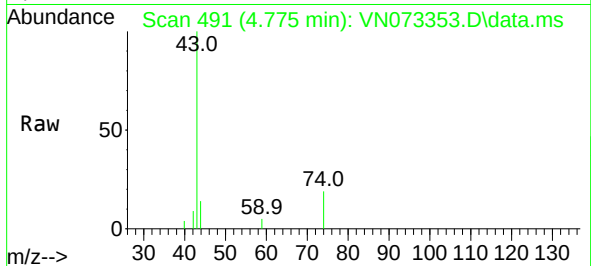




#18
Methyl Acetate
Concen: 2.885 ug/l
RT: 4.775 min Scan# 491
Delta R.T. -0.000 min
Lab File: VN073353.D
Acq: 06 Jul 2022 18:27

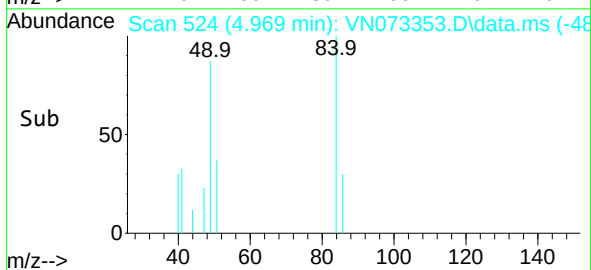
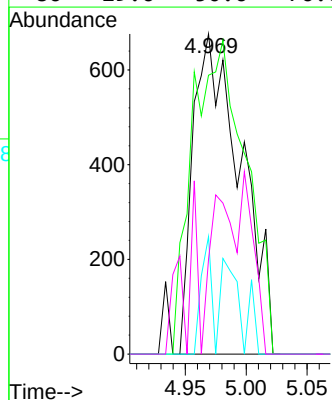
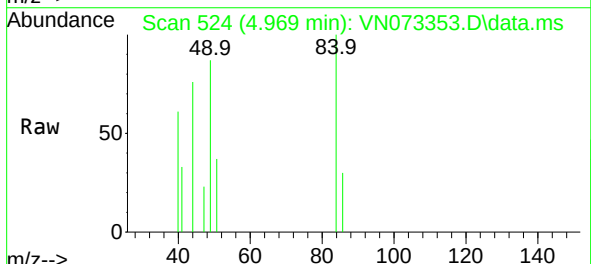
Instrument :
MSVOA_N
ClientSampleId :
20220488A-6A

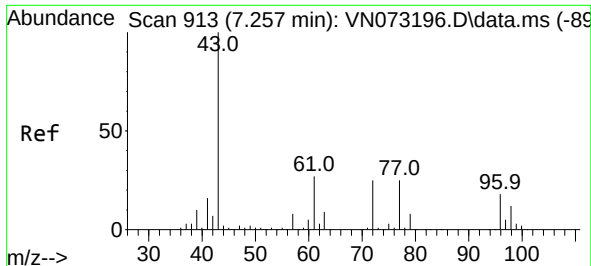
Tgt Ion: 43 Resp: 18368
Ion Ratio Lower Upper
43 100
74 12.8 21.6 32.4#



#20
Methylene Chloride
Concen: 0.461 ug/l
RT: 4.969 min Scan# 524
Delta R.T. -0.047 min
Lab File: VN073353.D
Acq: 06 Jul 2022 18:27

Tgt Ion: 84 Resp: 1840
Ion Ratio Lower Upper
84 100
49 87.1 88.3 132.5#
51 36.7 28.2 42.2
86 29.6 50.6 76.0#

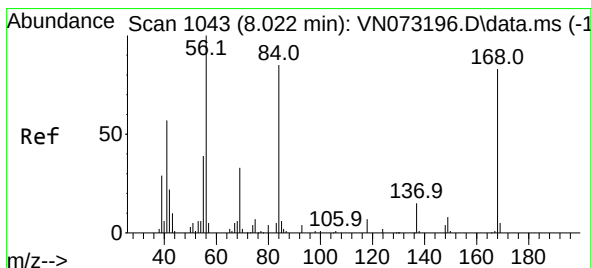
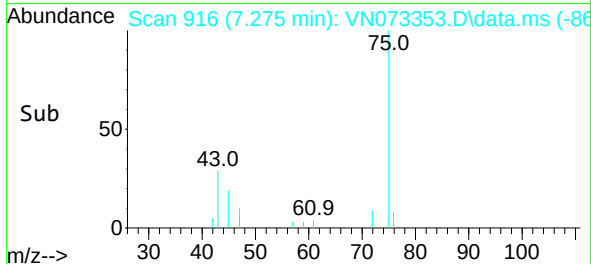
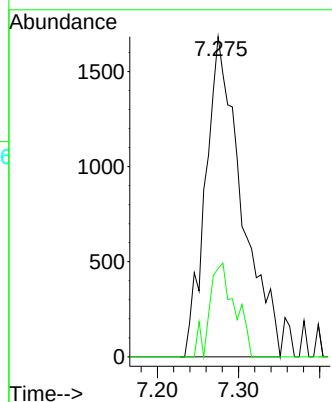
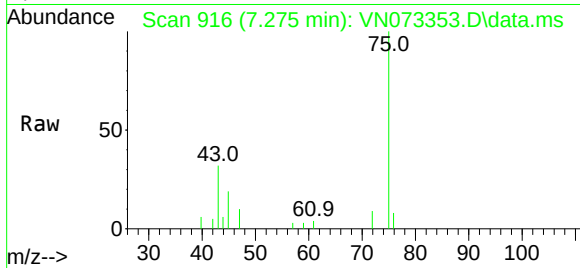




#25
2-Butanone
Concen: 1.435 ug/l
RT: 7.275 min Scan# 913
Delta R.T. 0.018 min
Lab File: VN073353.D
Acq: 06 Jul 2022 18:27

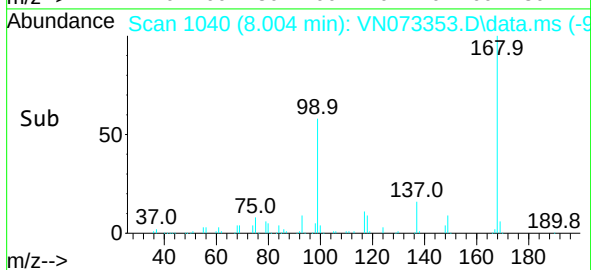
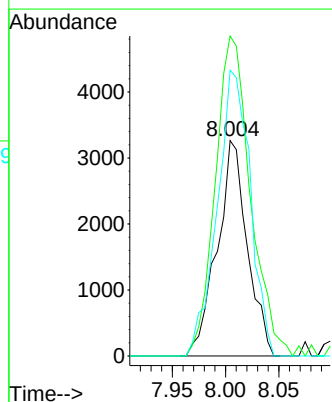
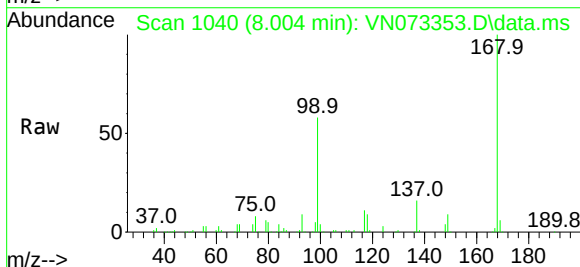
Instrument :
MSVOA_N
ClientSampleId :
20220488A-6A

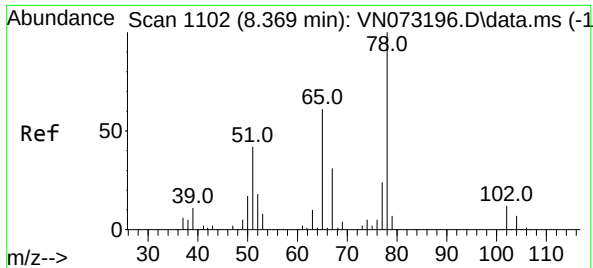
Tgt Ion: 43 Resp: 5190
Ion Ratio Lower Upper
43 100
72 27.6 23.7 35.5



#31
Cyclohexane
Concen: 0.968 ug/l
RT: 8.004 min Scan# 1040
Delta R.T. -0.018 min
Lab File: VN073353.D
Acq: 06 Jul 2022 18:27

Tgt Ion: 56 Resp: 6415
Ion Ratio Lower Upper
56 100
69 148.6 27.8 41.8#
84 132.7 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 41.846 ug/l

RT: 8.363 min Scan# 1101

Delta R.T. -0.006 min

Lab File: VN073353.D

Acq: 06 Jul 2022 18:27

Instrument :

MSVOA_N

ClientSampleId :

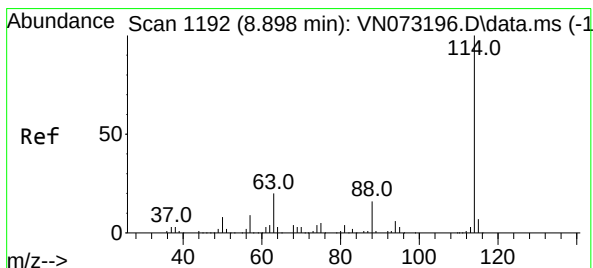
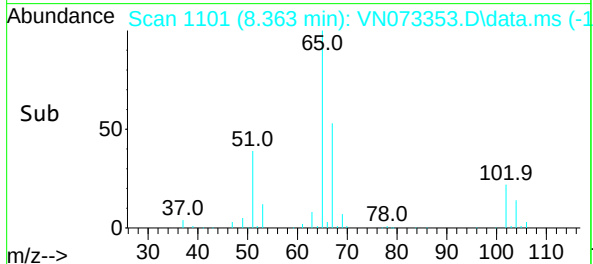
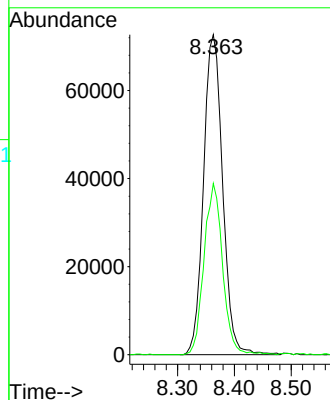
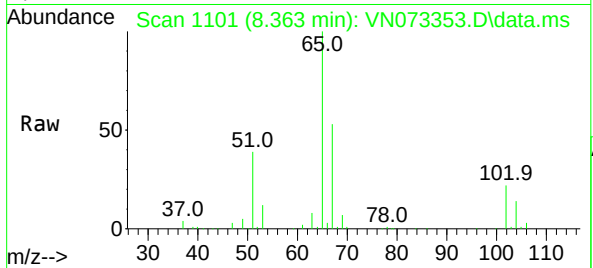
20220488A-6A

Tgt Ion: 65 Resp: 169372

Ion Ratio Lower Upper

65 100

67 52.2 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: VN073353.D

Acq: 06 Jul 2022 18:27

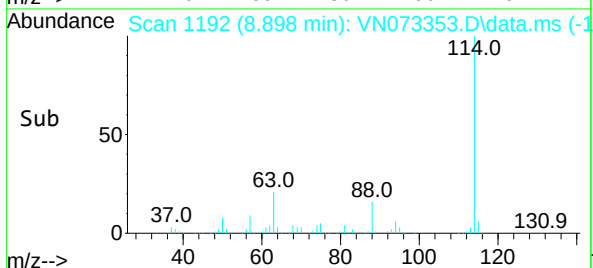
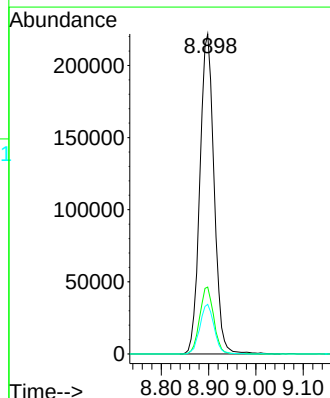
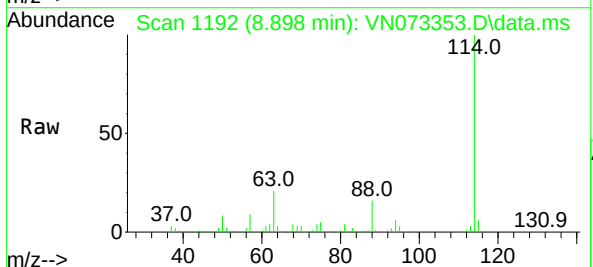
Tgt Ion: 114 Resp: 462737

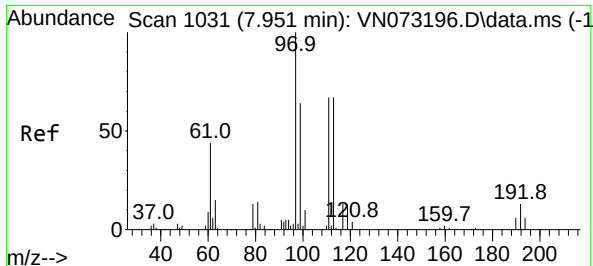
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.0

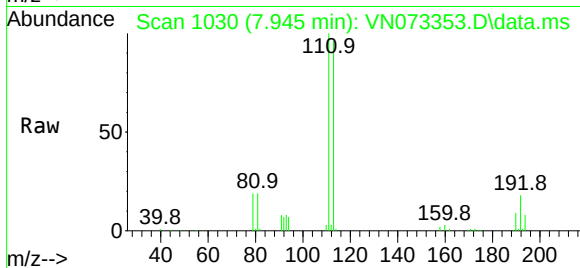
88 15.5 0.0 32.6



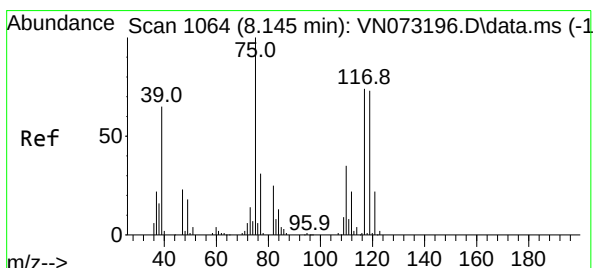
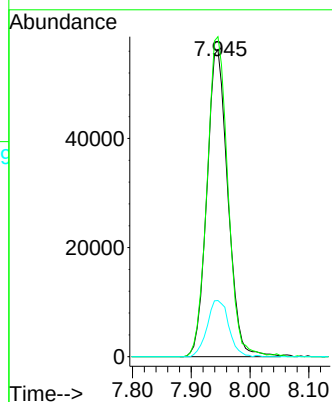
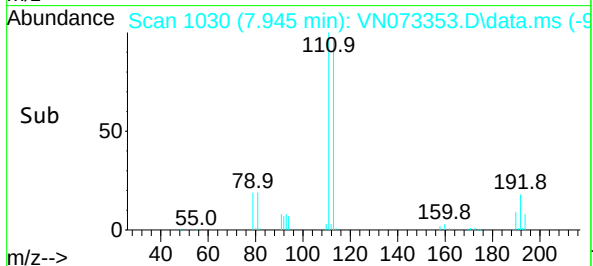


#35
Dibromofluoromethane
Concen: 45.347 ug/l
RT: 7.945 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VN073353.D
Acq: 06 Jul 2022 18:27

Instrument :
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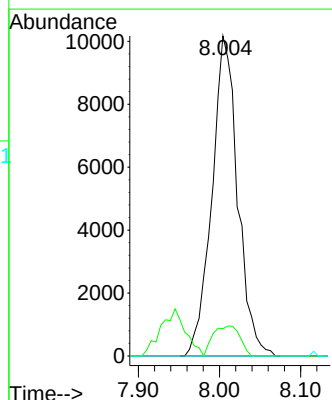
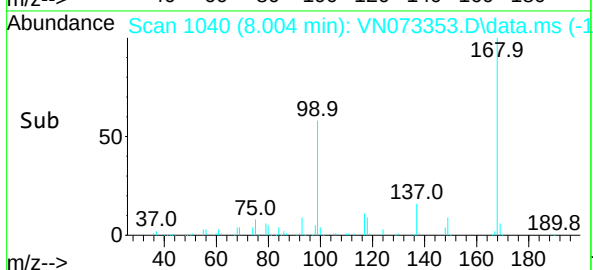
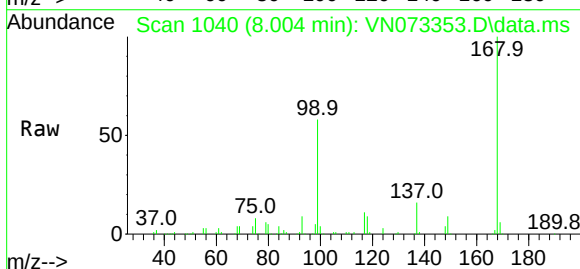


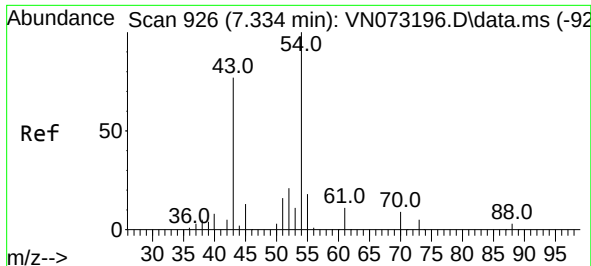
Tgt Ion:113 Resp: 139609
Ion Ratio Lower Upper
113 100
111 103.5 81.4 122.0
192 18.9 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.734 ug/l
RT: 8.004 min Scan# 1040
Delta R.T. -0.141 min
Lab File: VN073353.D
Acq: 06 Jul 2022 18:27

Tgt Ion: 75 Resp: 22427
Ion Ratio Lower Upper
75 100
110 9.8 18.3 54.8#
77 0.0 25.1 37.7#

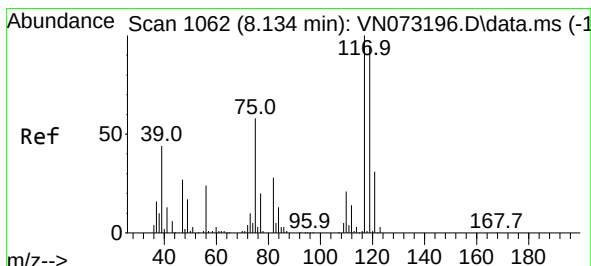
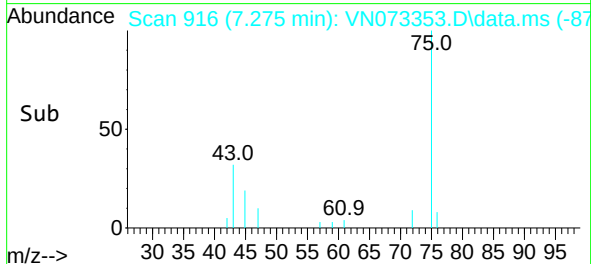
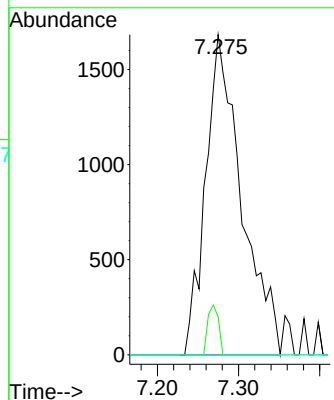
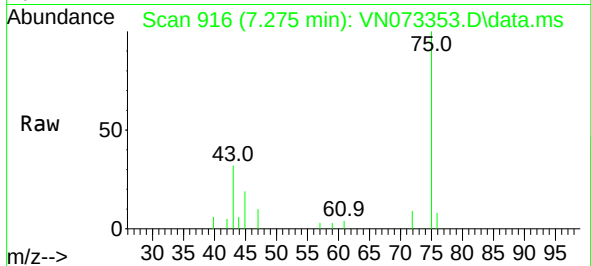




#37
Ethyl Acetate
Concen: 0.725 ug/l
RT: 7.275 min Scan# 916
Delta R.T. -0.059 min
Lab File: VN073353.D
Acq: 06 Jul 2022 18:27

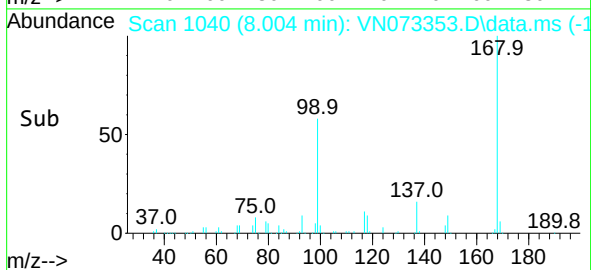
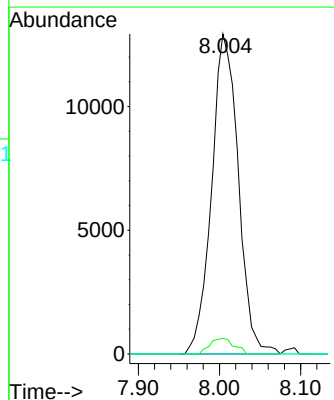
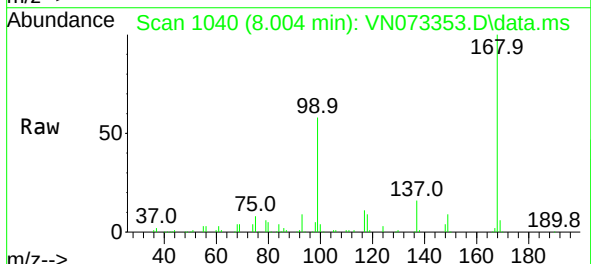
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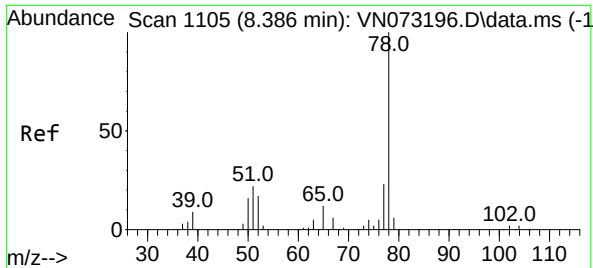
Tgt Ion: 43 Resp: 5190
Ion Ratio Lower Upper
43 100
61 4.6 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.028 ug/l
RT: 8.004 min Scan# 1040
Delta R.T. -0.130 min
Lab File: VN073353.D
Acq: 06 Jul 2022 18:27

Tgt Ion: 117 Resp: 29530
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.8#
121 0.0 24.6 37.0#

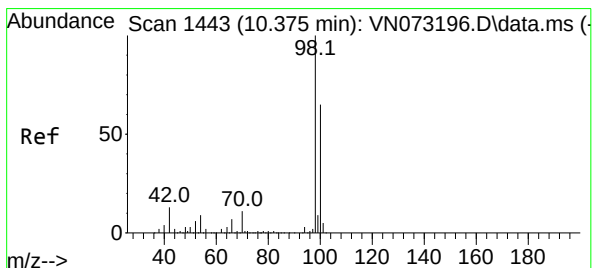
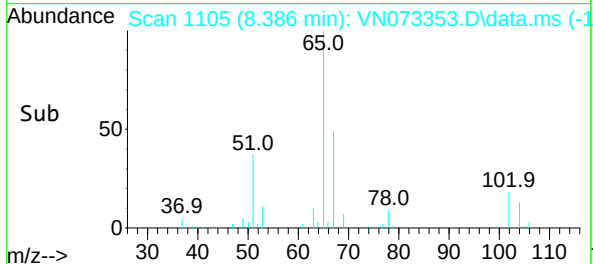
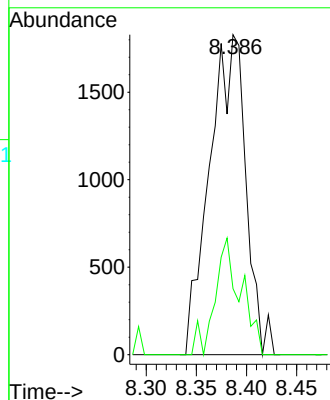
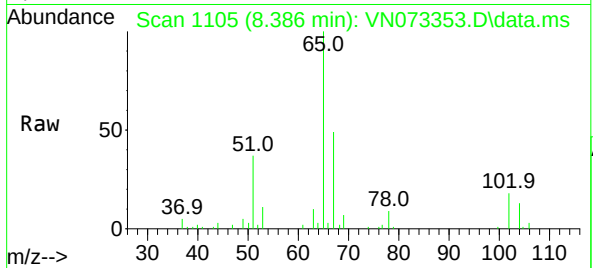




#40
Benzene
Concen: 0.315 ug/l
RT: 8.386 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VN073353.D
Acq: 06 Jul 2022 18:27

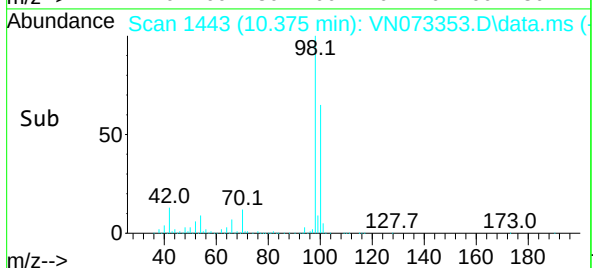
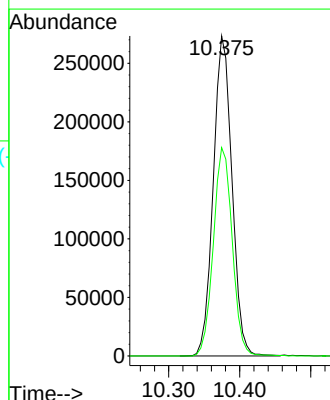
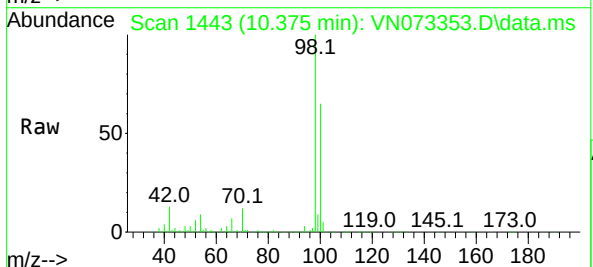
Instrument :
MSVOA_N
ClientSampleId :
20220488A-6A

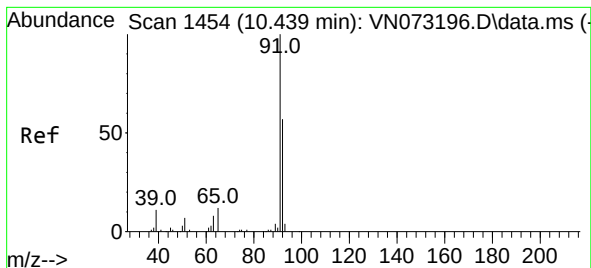
Tgt Ion: 78 Resp: 4604
Ion Ratio Lower Upper
78 100
77 20.7 19.4 29.0



#50
Toluene-d8
Concen: 45.604 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN073353.D
Acq: 06 Jul 2022 18:27

Tgt Ion: 98 Resp: 498653
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8





#52

Toluene

Concen: 0.635 ug/l

RT: 10.439 min Scan# 1454

Delta R.T. 0.000 min

Lab File: VN073353.D

Acq: 06 Jul 2022 18:27

Instrument :

MSVOA_N

ClientSampleId :

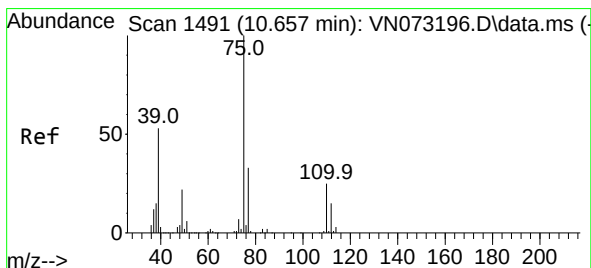
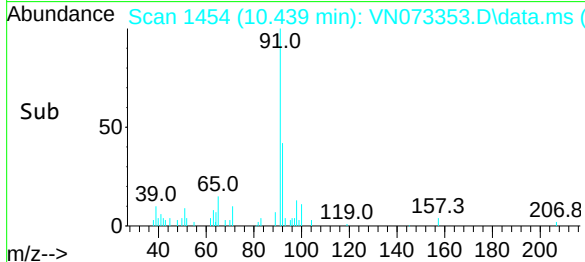
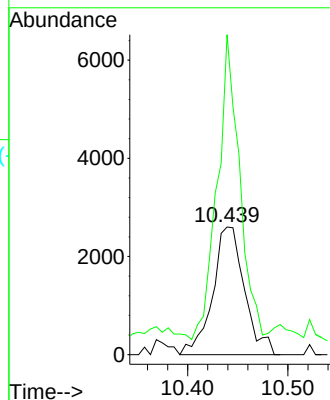
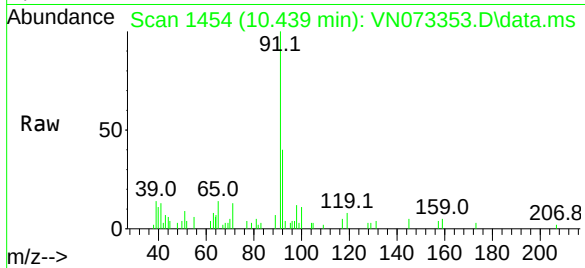
20220488A-6A

Tgt Ion: 92 Resp: 5734

Ion Ratio Lower Upper

92 100

91 170.2 138.6 207.8



#53

t-1,3-Dichloropropene

Concen: 0.521 ug/l

RT: 10.516 min Scan# 1467

Delta R.T. -0.141 min

Lab File: VN073353.D

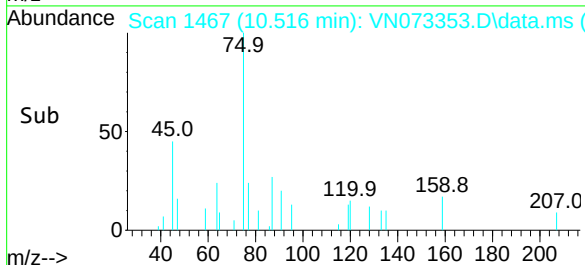
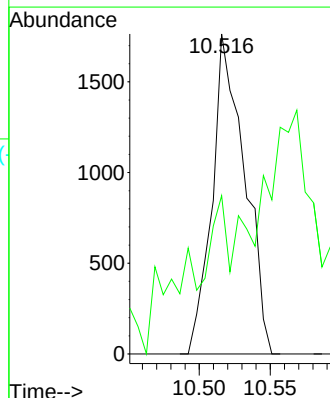
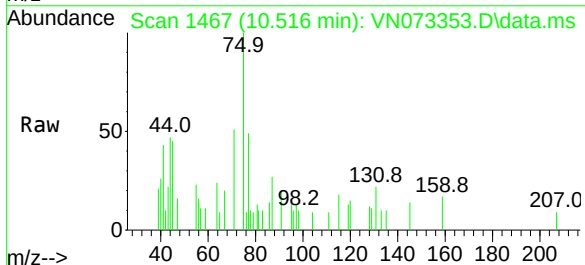
Acq: 06 Jul 2022 18:27

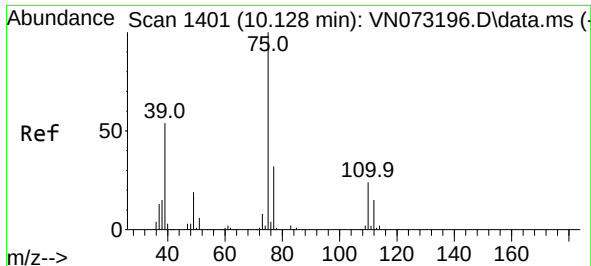
Tgt Ion: 75 Resp: 2810

Ion Ratio Lower Upper

75 100

77 30.6 25.6 38.4

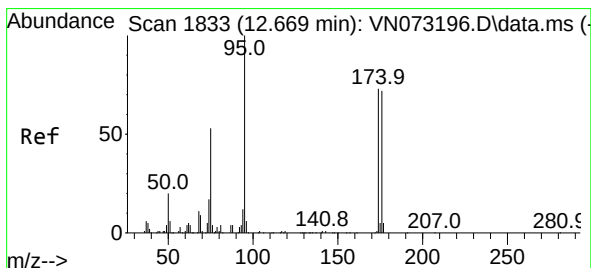
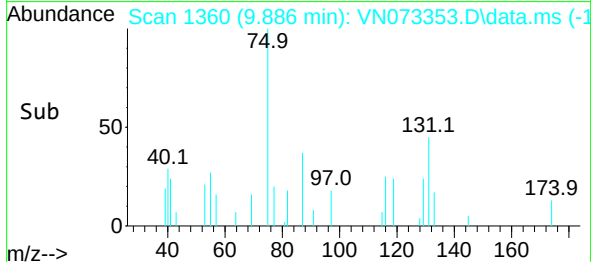
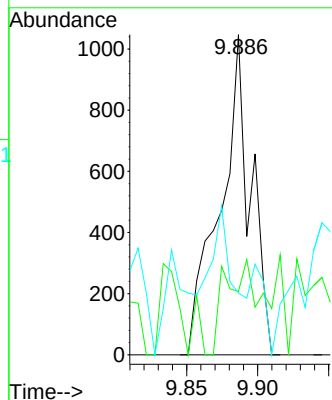
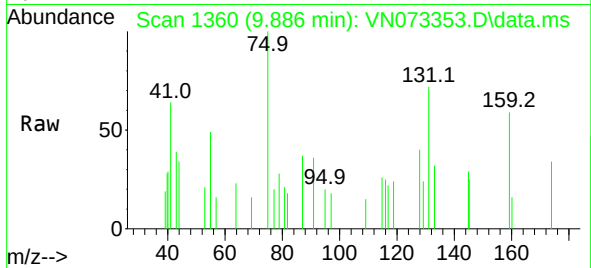




#54
 cis-1,3-Dichloropropene
 Concen: 0.268 ug/l
 RT: 9.886 min Scan# 11
 Delta R.T. -0.242 min
 Lab File: VN073353.D
 Acq: 06 Jul 2022 18:27

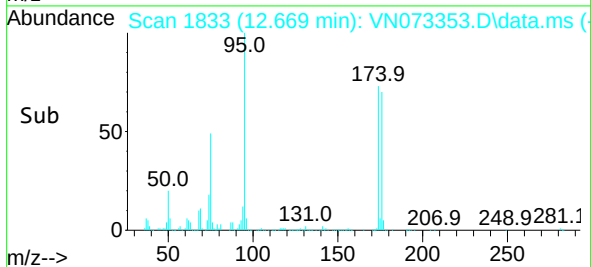
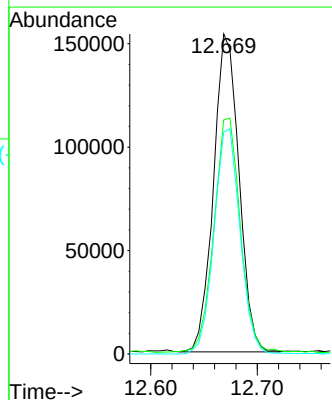
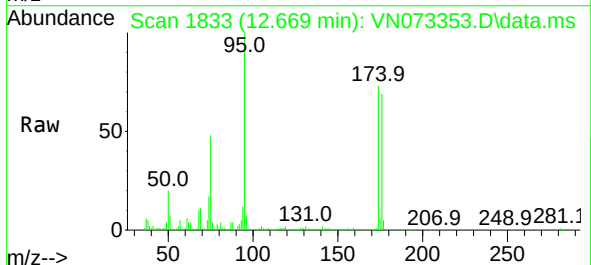
Instrument :
 MSVOA_N
 ClientSampleId :
 20220488A-6A

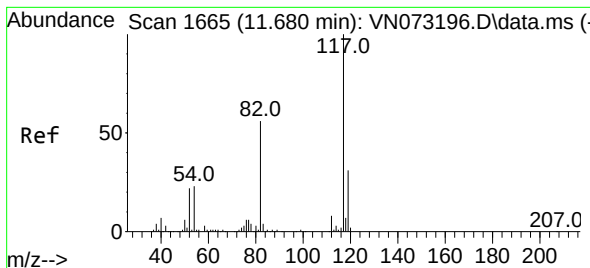
Tgt Ion: 75 Resp: 1558
 Ion Ratio Lower Upper
 75 100
 77 5.2 25.2 37.8#
 39 3.3 35.7 53.5#



#62
 4-Bromofluorobenzene
 Concen: 60.794 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.000 min
 Lab File: VN073353.D
 Acq: 06 Jul 2022 18:27

Tgt Ion: 95 Resp: 255458
 Ion Ratio Lower Upper
 95 100
 174 76.1 0.0 167.6
 176 72.3 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.680 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN073353.D

Acq: 06 Jul 2022 18:27

Instrument :

MSVOA_N

ClientSampleId :

20220488A-6A

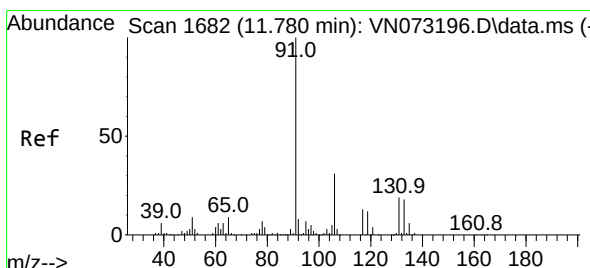
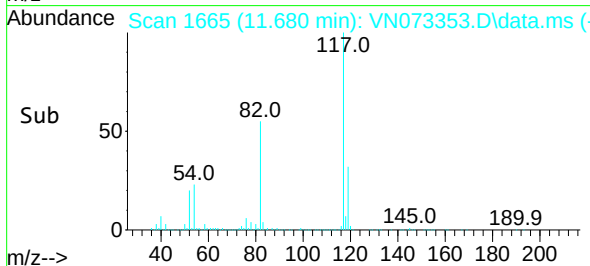
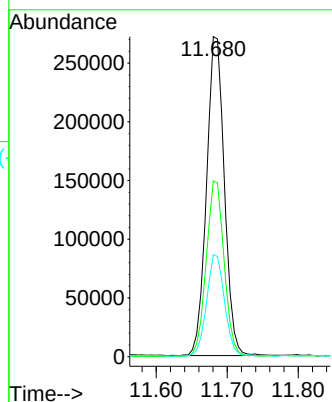
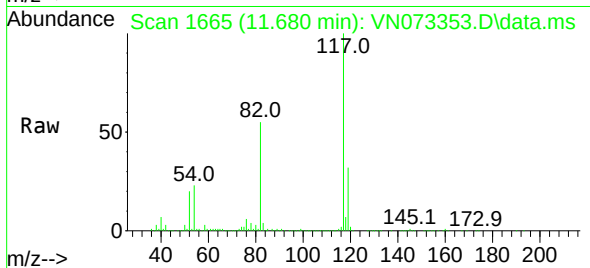
Tgt Ion:117 Resp: 474839

Ion Ratio Lower Upper

117 100

82 54.9 44.2 66.2

119 31.7 25.4 38.0



#67

Ethyl Benzene

Concen: 0.243 ug/l

RT: 11.780 min Scan# 1682

Delta R.T. 0.000 min

Lab File: VN073353.D

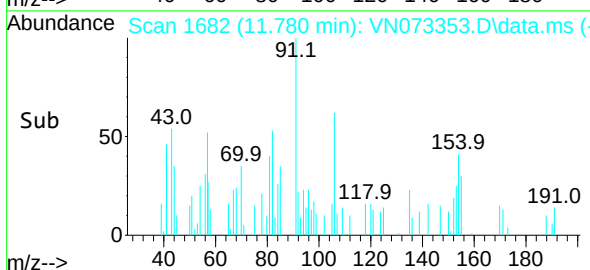
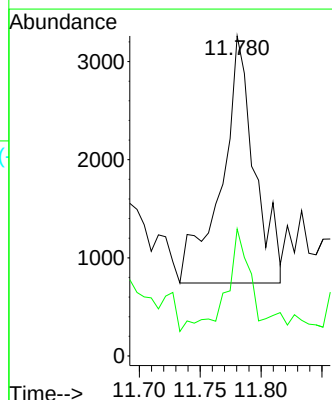
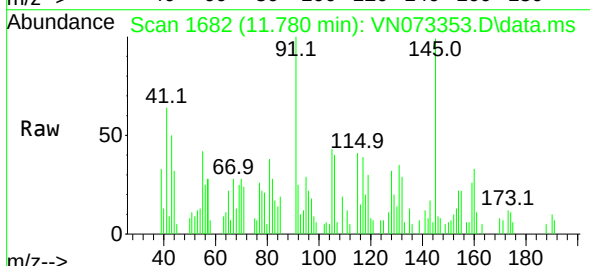
Acq: 06 Jul 2022 18:27

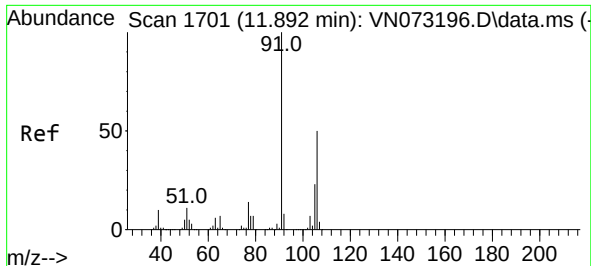
Tgt Ion: 91 Resp: 4745

Ion Ratio Lower Upper

91 100

106 41.5 24.9 37.3#

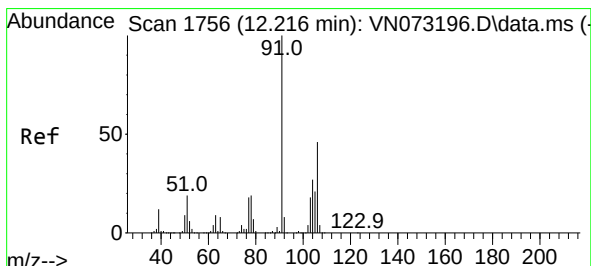
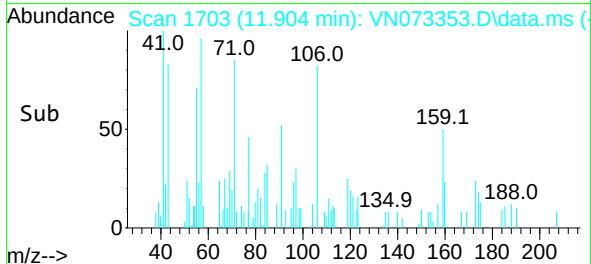
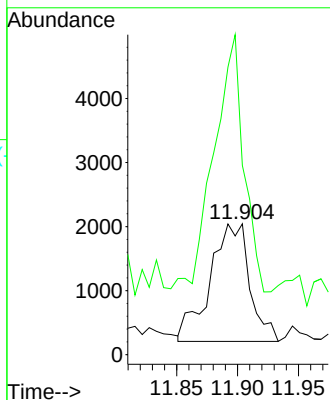
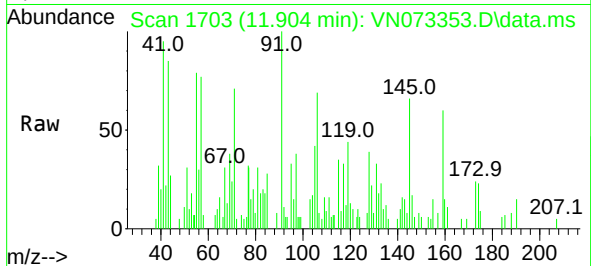




#68
m/p-Xylenes
Concen: 0.566 ug/l
RT: 11.904 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN073353.D
Acq: 06 Jul 2022 18:27

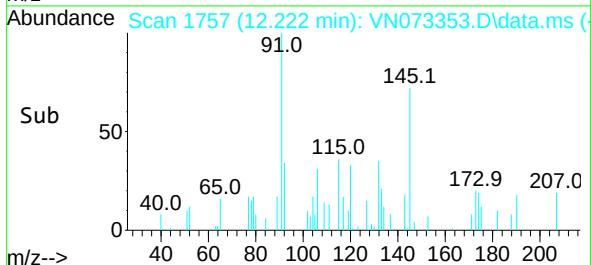
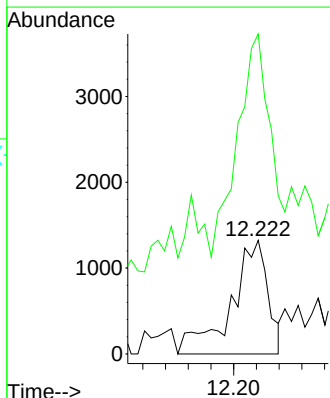
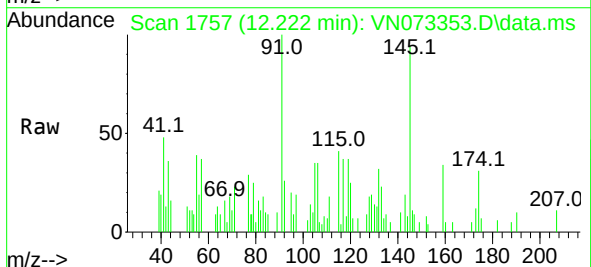
Instrument :
MSVOA_N
ClientSampleId :
20220488A-6A

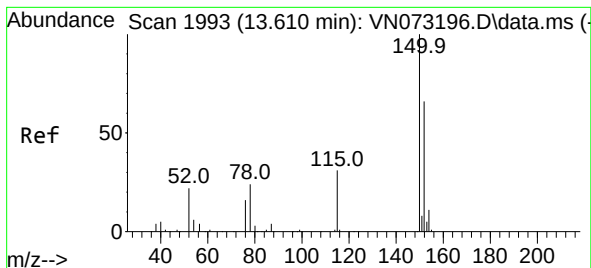
Tgt Ion:106 Resp: 4168
Ion Ratio Lower Upper
106 100
91 164.7 158.9 238.3



#69
o-Xylene
Concen: 0.396 ug/l
RT: 12.222 min Scan# 1757
Delta R.T. 0.006 min
Lab File: VN073353.D
Acq: 06 Jul 2022 18:27

Tgt Ion:106 Resp: 2971
Ion Ratio Lower Upper
106 100
91 177.0 106.0 318.0

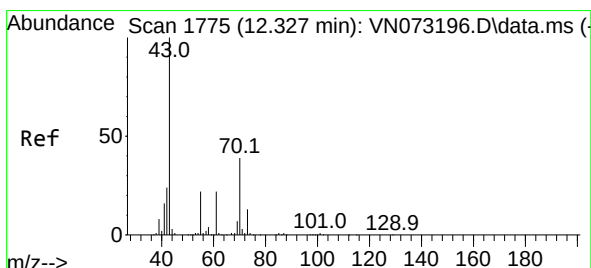
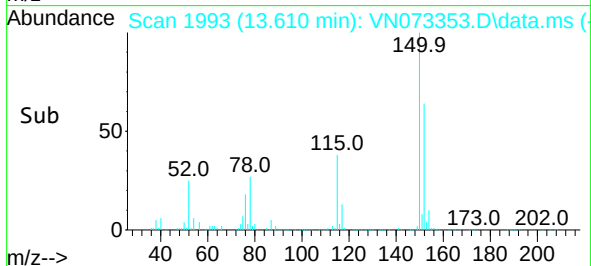
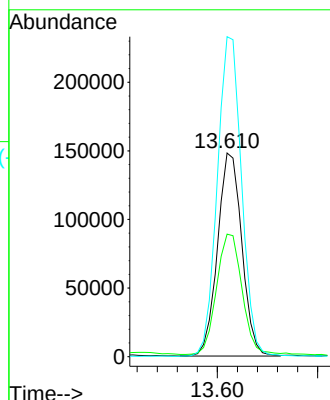
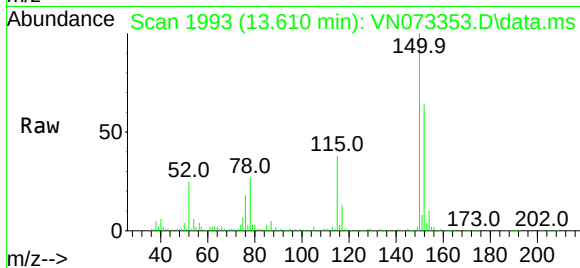




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073353.D
Acq: 06 Jul 2022 18:27

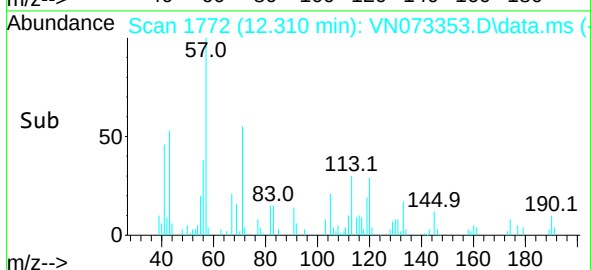
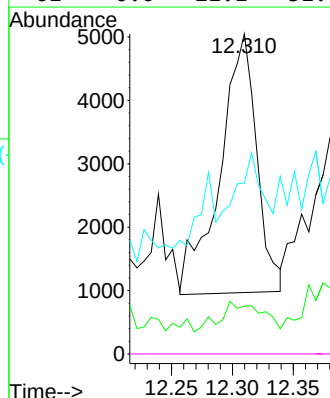
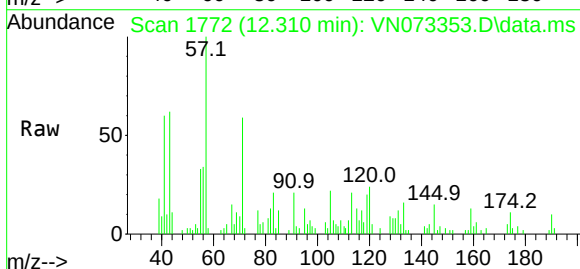
Instrument :
MSVOA_N
ClientSampleId :
20220488A-6A

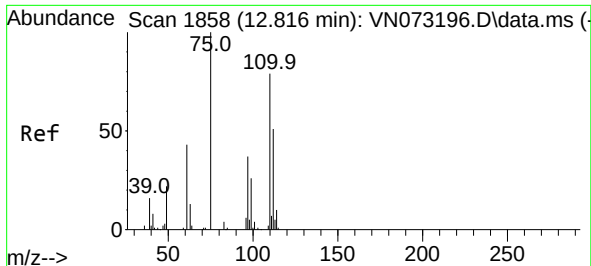
Tgt Ion:152 Resp: 248071
Ion Ratio Lower Upper
152 100
115 64.3 28.9 86.7
150 157.9 0.0 356.2



#74
N-ethyl acetate
Concen: 0.803 ug/l
RT: 12.310 min Scan# 1772
Delta R.T. -0.017 min
Lab File: VN073353.D
Acq: 06 Jul 2022 18:27

Tgt Ion: 43 Resp: 8613
Ion Ratio Lower Upper
43 100
70 13.2 39.0 58.4#
55 38.3 21.1 31.7#
61 0.0 21.1 31.7#

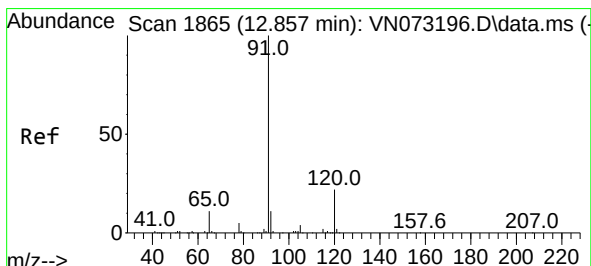
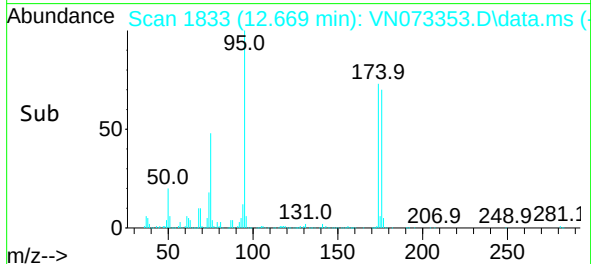
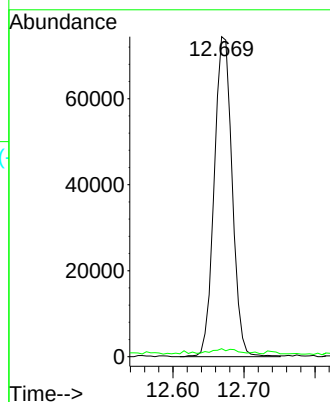
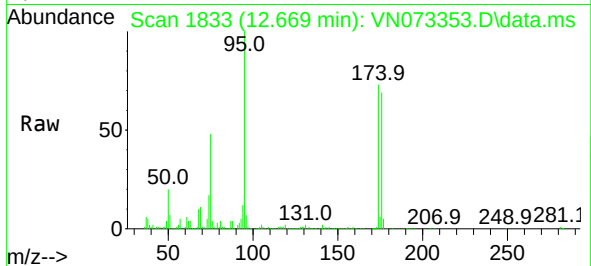




#76
1,2,3-Trichloropropane
Concen: 20.078 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073353.D
Acq: 06 Jul 2022 18:27

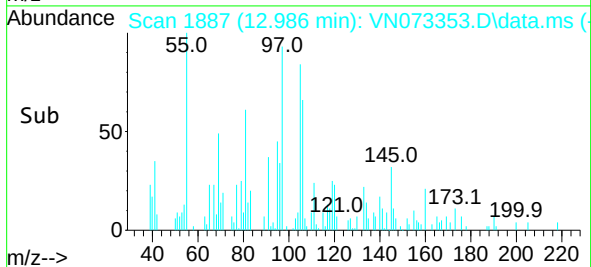
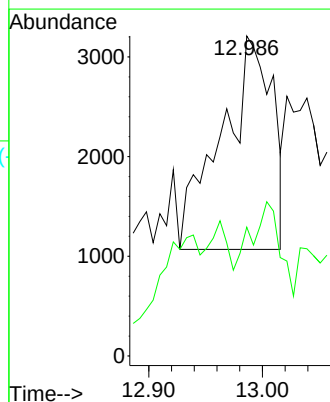
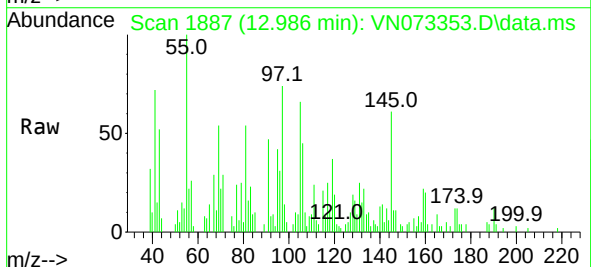
Instrument :
MSVOA_N
ClientSampleId :
20220488A-6A

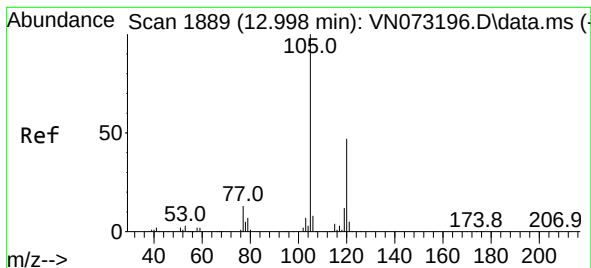
Tgt Ion: 75 Resp: 130240
Ion Ratio Lower Upper
75 100
77 2.1 98.5 295.5#



#78
n-propylbenzene
Concen: 0.280 ug/l
RT: 12.986 min Scan# 1887
Delta R.T. 0.129 min
Lab File: VN073353.D
Acq: 06 Jul 2022 18:27

Tgt Ion: 91 Resp: 6671
Ion Ratio Lower Upper
91 100
120 23.5 11.9 35.5





#80

1,3,5-Trimethylbenzene

Concen: 0.221 ug/l

RT: 12.921 min Scan# 1889

Delta R.T. -0.077 min

Lab File: VN073353.D

Acq: 06 Jul 2022 18:27

Instrument :

MSVOA_N

ClientSampleId :

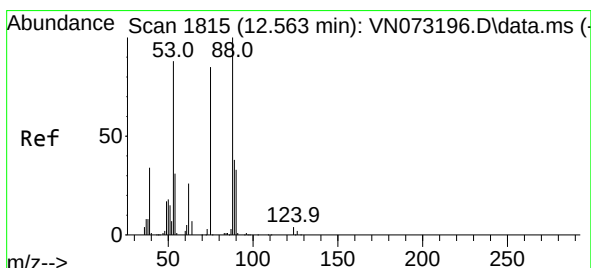
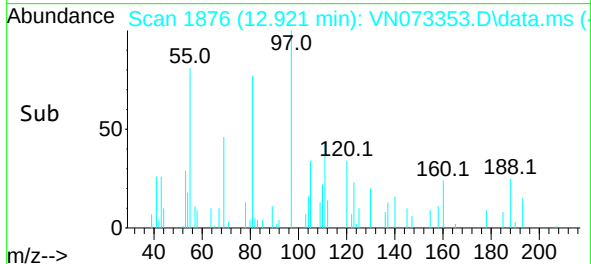
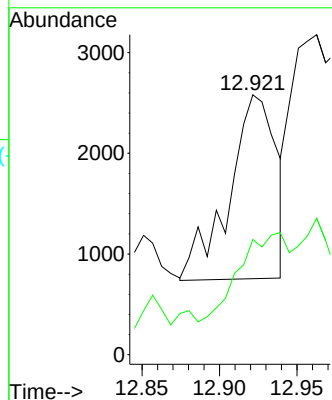
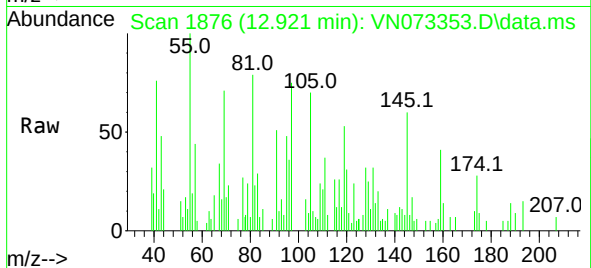
20220488A-6A

Tgt Ion:105 Resp: 3856

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.7



#81

trans-1,4-Dichloro-2-butene

Concen: 55.064 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.106 min

Lab File: VN073353.D

Acq: 06 Jul 2022 18:27

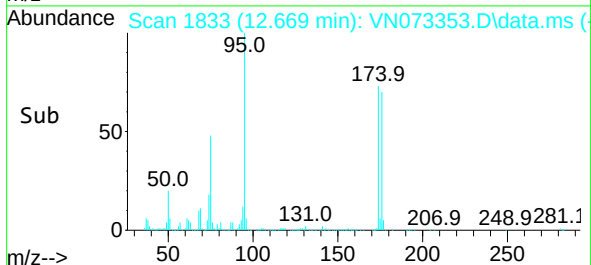
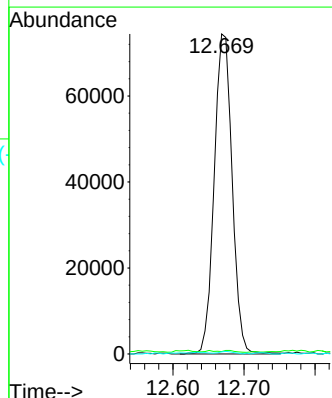
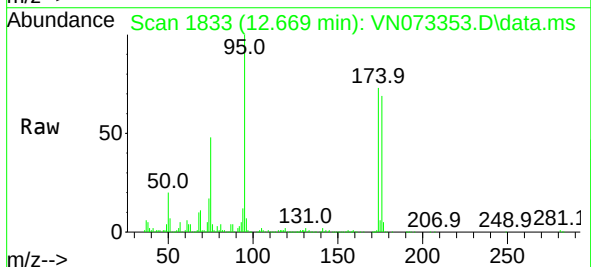
Tgt Ion: 75 Resp: 130240

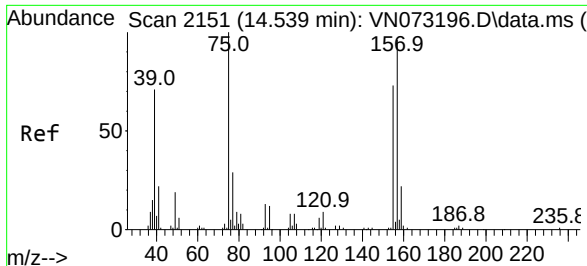
Ion Ratio Lower Upper

75 100

53 0.3 78.0 117.0#

89 0.6 37.2 55.8#

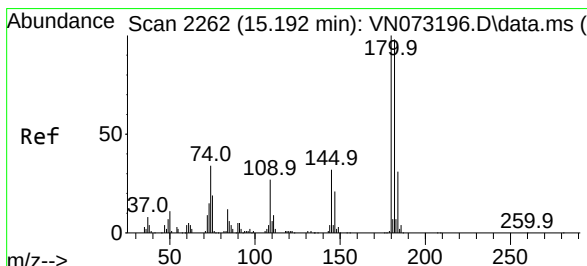
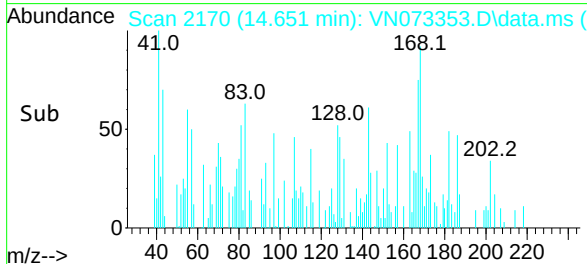
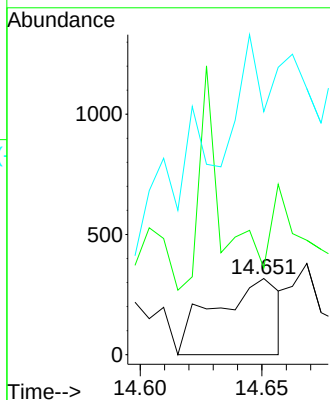
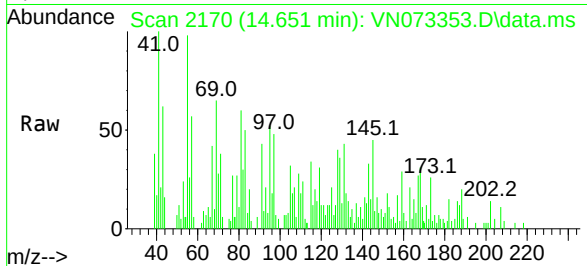




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.335 ug/l
 RT: 14.651 min Scan# 2151
 Delta R.T. 0.112 min
 Lab File: VN073353.D
 Acq: 06 Jul 2022 18:27

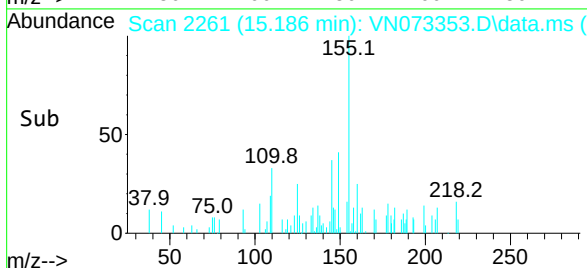
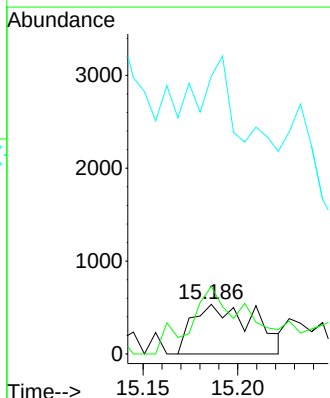
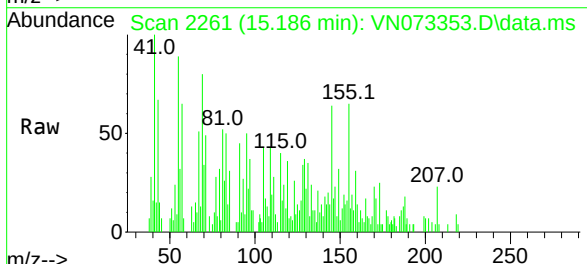
Instrument :
 MSVOA_N
 ClientSampleId :
 20220488A-6A

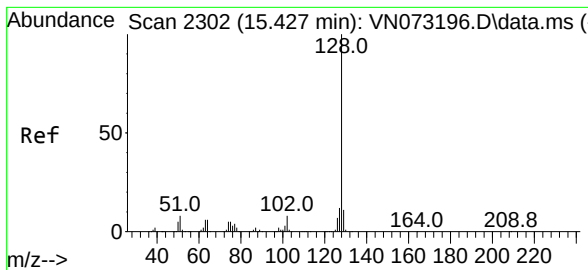
Tgt Ion: 75 Resp: 579
 Ion Ratio Lower Upper
 75 100
 155 80.5 44.9 134.5
 157 59.4 59.0 176.8



#93
 1,2,4-Trichlorobenzene
 Concen: 0.255 ug/l
 RT: 15.186 min Scan# 2261
 Delta R.T. -0.006 min
 Lab File: VN073353.D
 Acq: 06 Jul 2022 18:27

Tgt Ion: 180 Resp: 1209
 Ion Ratio Lower Upper
 180 100
 182 126.7 47.5 142.5
 145 0.0 14.5 43.5#





#95
Naphthalene
Concen: 1.485 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073353.D
Acq: 06 Jul 2022 18:27

Instrument :
MSVOA_N
ClientSampleId :
20220488A-6A

Tgt Ion:128 Resp: 28389
Ion Ratio Lower Upper
128 100
127 23.6 10.3 15.5#
129 42.4 8.6 13.0#

