

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051421\
 Data File : VX021992.D
 Acq On : 14 May 2021 13:54
 Operator : JC/MD
 Sample : M2383-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-02-05112021

Quant Time: May 15 01:04:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050721W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 08 05:38:18 2021
 Response via : Initial Calibration

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

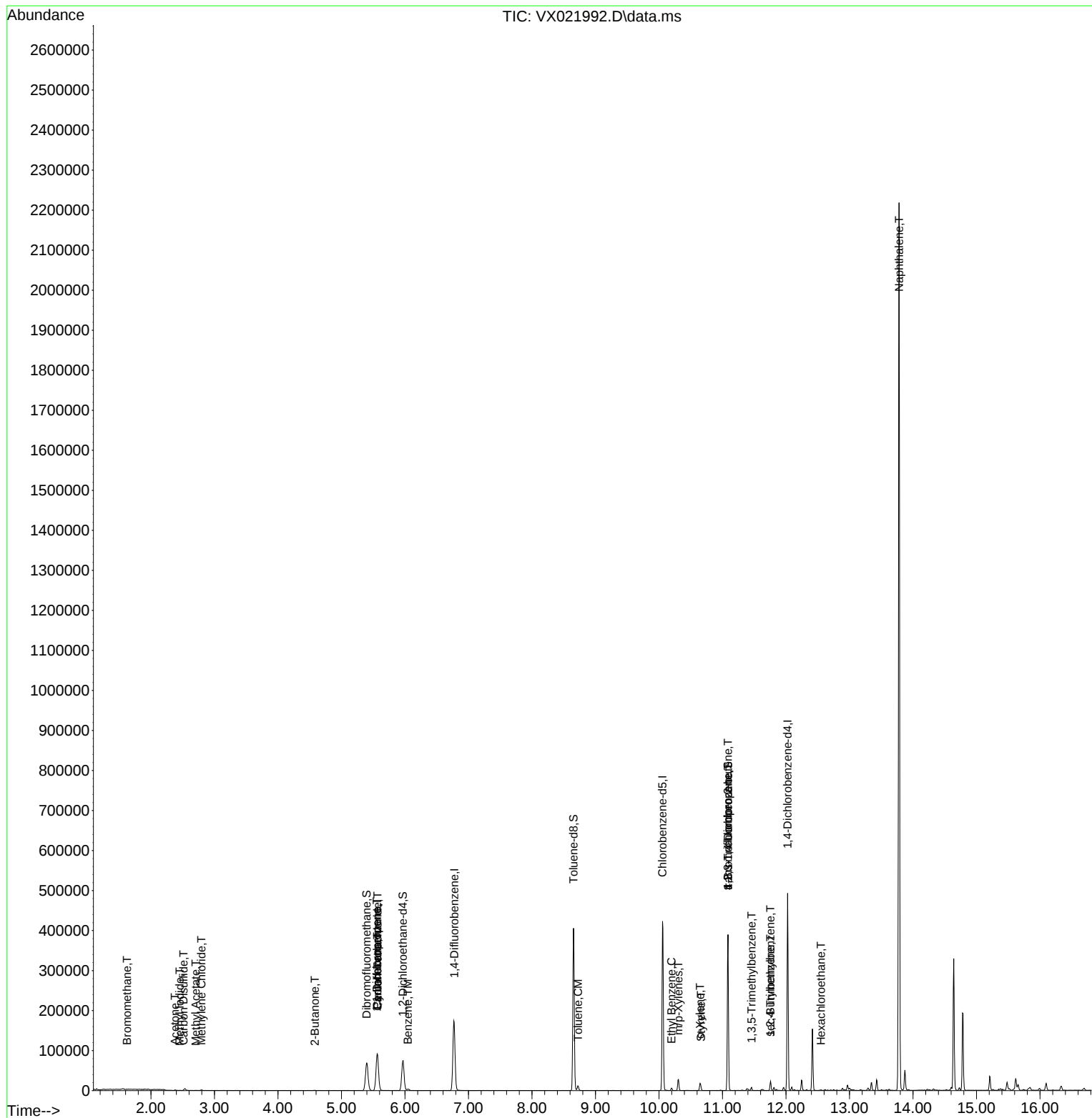
Internal Standards						
1) Pentafluorobenzene	5.562	168	80666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	178510	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	188969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87550	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	69233	52.15	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.30%			
35) Dibromofluoromethane	5.397	113	60248	49.25	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.50%			
50) Toluene-d8	8.653	98	236861	50.74	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.48%			
62) 4-Bromofluorobenzene	11.085	95	105157	57.08	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.16%			
Target Compounds					Qvalue	
5) Bromomethane	1.624	94	207	0.39	ug/l	92
10) Methyl Iodide	2.453	142	451	0.37	ug/l #	82
13) Acrolein	2.215	56	124	Below Cal	#	1
16) Acetone	2.380	43	1665	2.80	ug/l #	79
17) Carbon Disulfide	2.514	76	1222	0.40	ug/l #	94
18) Methyl Acetate	2.703	43	504	0.31	ug/l #	47
20) Methylene Chloride	2.794	84	772	0.77	ug/l #	89
25) 2-Butanone	4.581	43	208	0.20	ug/l #	45
31) Cyclohexane	5.562	56	2250	1.28	ug/l #	20
36) 1,1-Dichloropropene	5.556	75	7171	3.79	ug/l #	49
38) Carbon Tetrachloride	5.568	117	9004	4.76	ug/l #	18
40) Benzene	6.044	78	4020	0.71	ug/l	99
52) Toluene	8.726	92	4357	1.20	ug/l	97
67) Ethyl Benzene	10.195	91	3862	0.48	ug/l	94
68) m/p-Xylenes	10.305	106	6690	2.17	ug/l	99
69) o-Xylene	10.647	106	3496	1.14	ug/l	96
70) Styrene	10.659	104	2500	0.49	ug/l #	79
76) 1,2,3-Trichloropropane	11.085	75	53582	21.53	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	3489	0.51	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.085	75	53582	49.93	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.756	105	9554	1.40	ug/l	99
85) sec-Butylbenzene	11.756	105	9554	1.18	ug/l #	57
90) Hexachloroethane	12.549	117	319	0.26	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	12.969	75	159	Below Cal	#	1
95) Naphthalene	13.780	128	1276366	162.64	ug/l	100

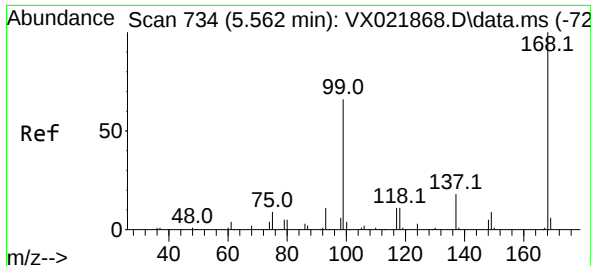
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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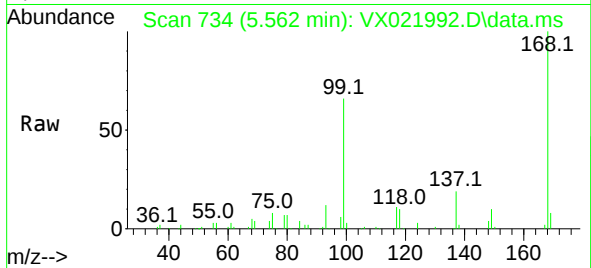
Quant Time: May 15 01:04:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050721W.M
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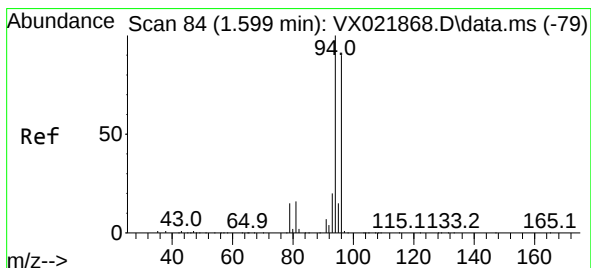
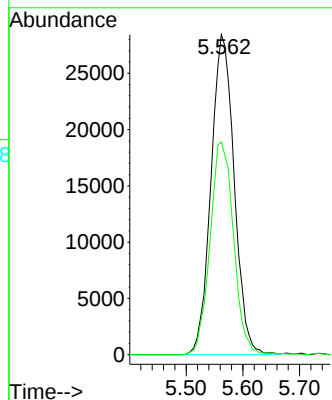
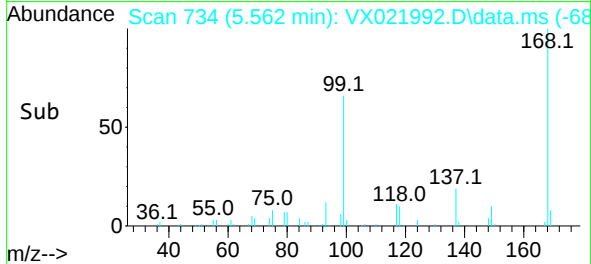


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

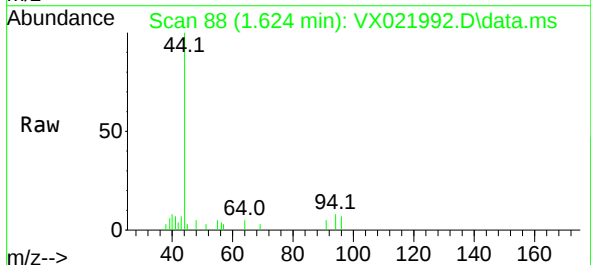
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-05112021



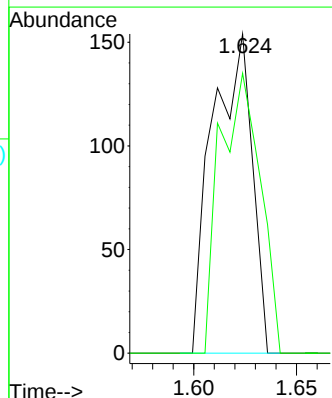
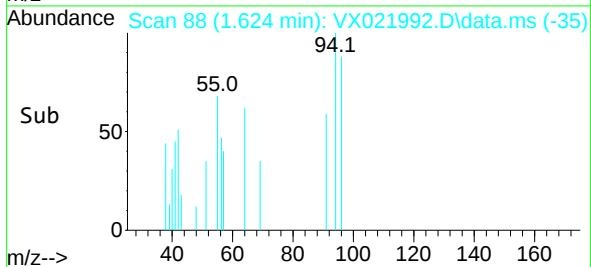
Tgt Ion:168 Resp: 80666
Ion Ratio Lower Upper
168 100
99 66.5 45.8 68.6

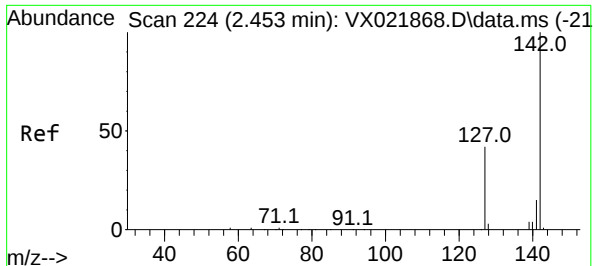


#5
Bromomethane
Concen: 0.39 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54



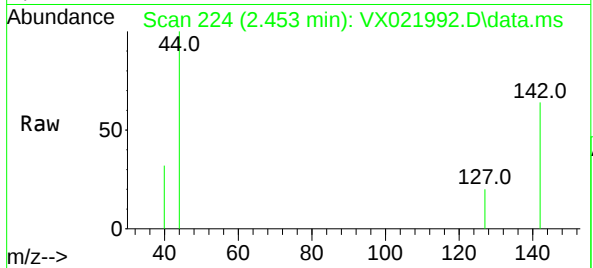
Tgt Ion: 94 Resp: 207
Ion Ratio Lower Upper
94 100
96 87.7 76.4 114.6



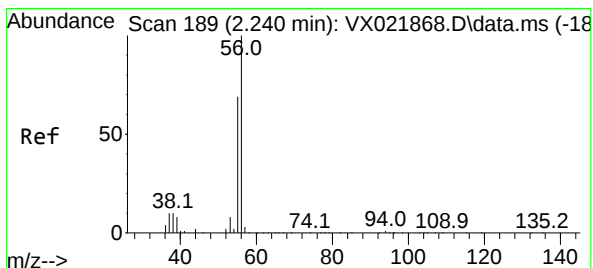
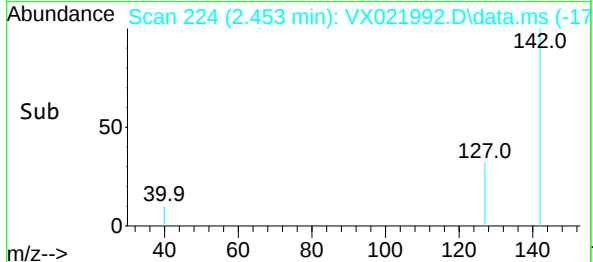
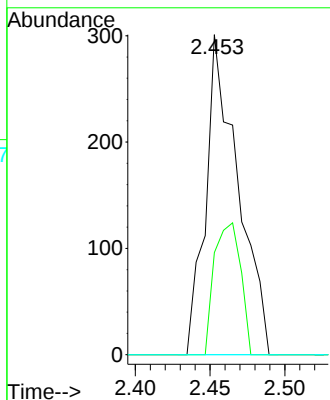


#10
Methyl Iodide
Concen: 0.37 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

Instrument :
MSVOA_X
ClientSampleId :
DUP-02-05112021

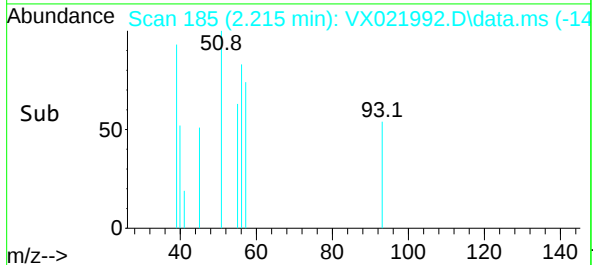
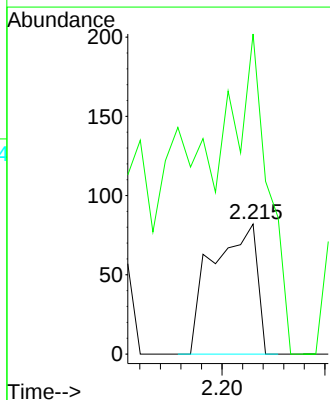
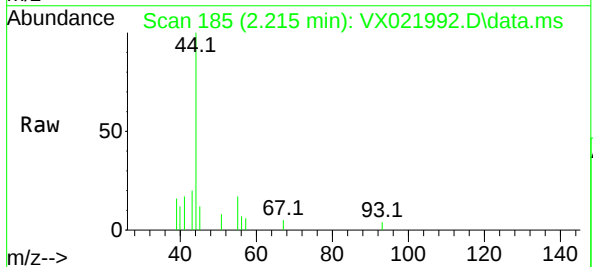


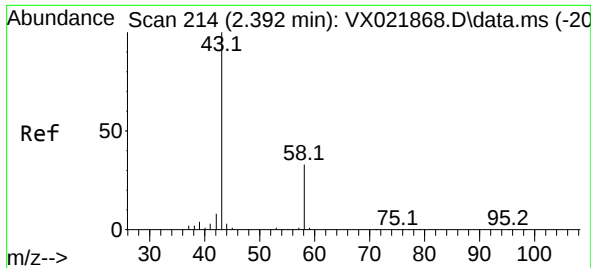
Tgt Ion	Ratio	Lower	Upper
142	100		
127	33.5	33.3	49.9
141	0.0	11.4	17.0#



#13
Acrolein
Concen: Below Cal
RT: 2.215 min Scan# 185
Delta R.T. -0.025 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

Tgt Ion	Ratio	Lower	Upper
56	100		
55	203.2	56.4	84.6#

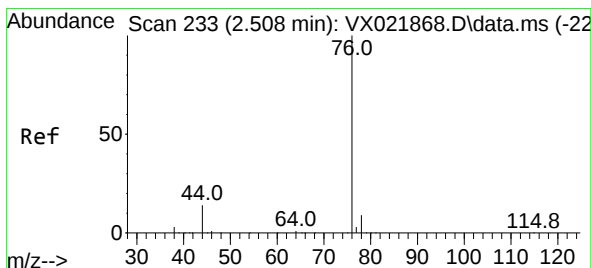
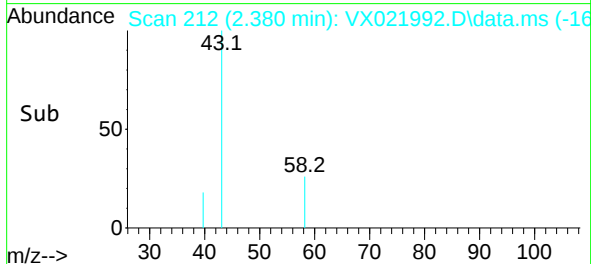
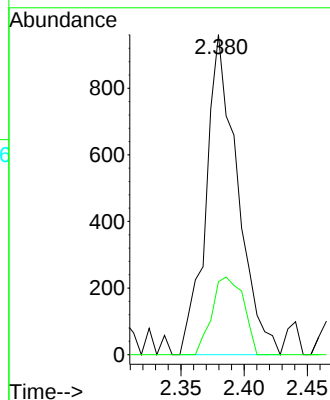
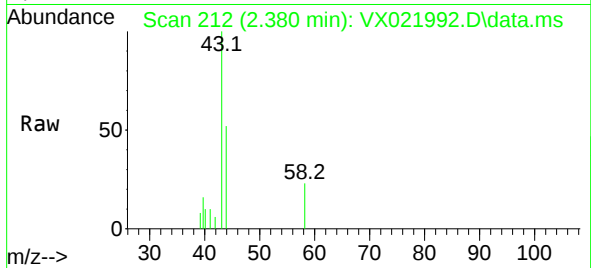




#16
Acetone
Concen: 2.80 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

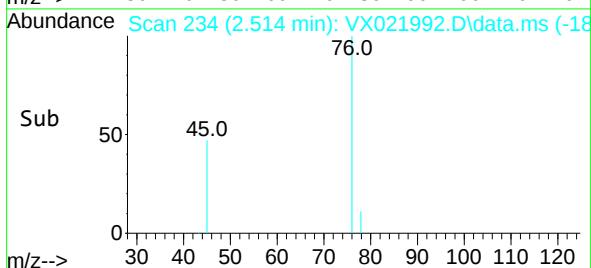
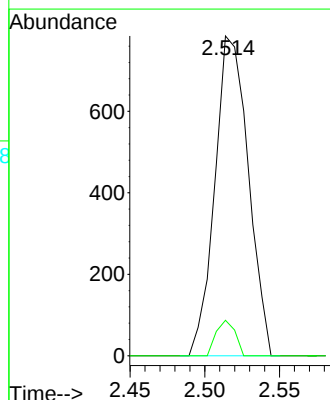
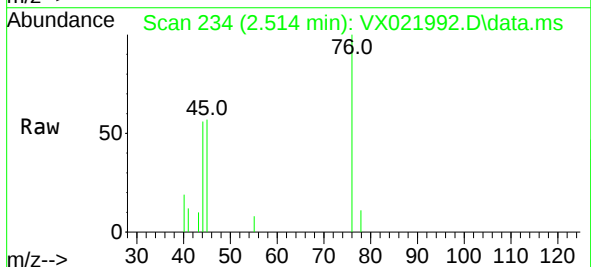
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-05112021

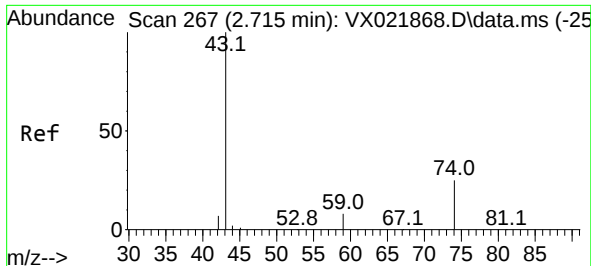
Tgt Ion: 43 Resp: 1665
Ion Ratio Lower Upper
43 100
58 22.8 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.40 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

Tgt Ion: 76 Resp: 1222
Ion Ratio Lower Upper
76 100
78 11.1 7.2 10.8#

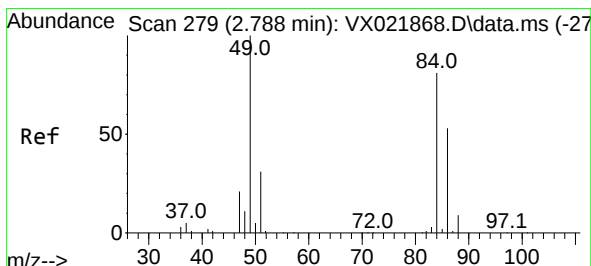
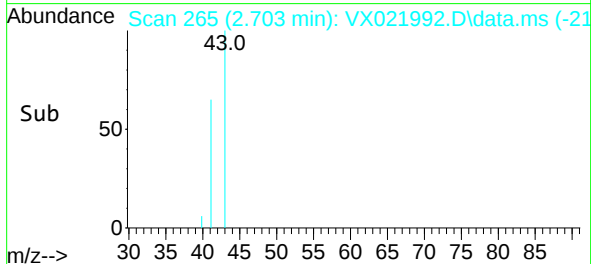
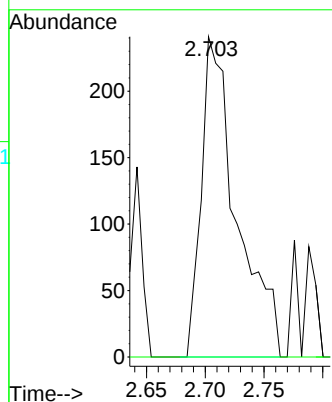
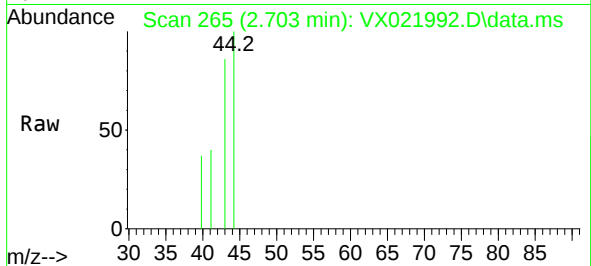




#18
Methyl Acetate
Concen: 0.31 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.012 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

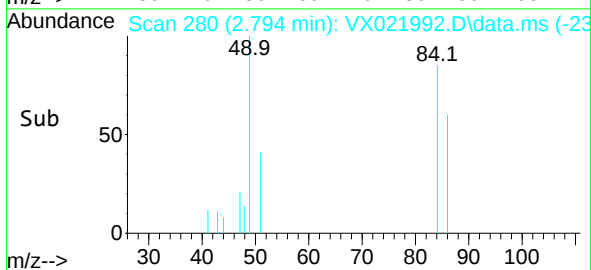
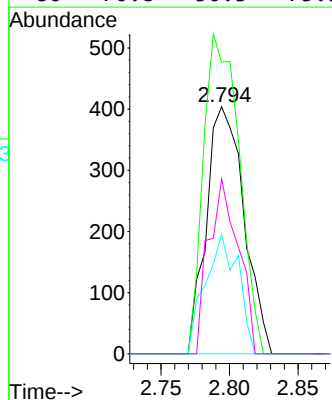
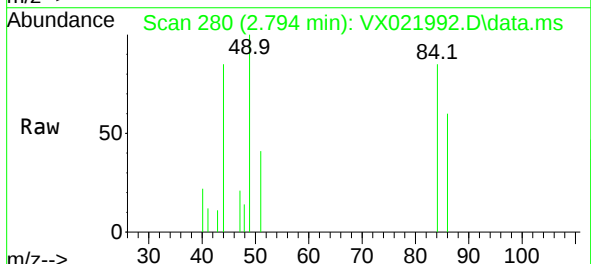
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-05112021

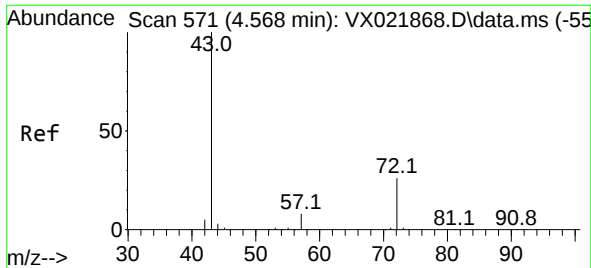
Tgt Ion: 43 Resp: 504
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 0.77 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

Tgt Ion: 84 Resp: 772
Ion Ratio Lower Upper
84 100
49 118.1 88.6 132.8
51 48.3 27.0 40.6#
86 70.8 50.3 75.5

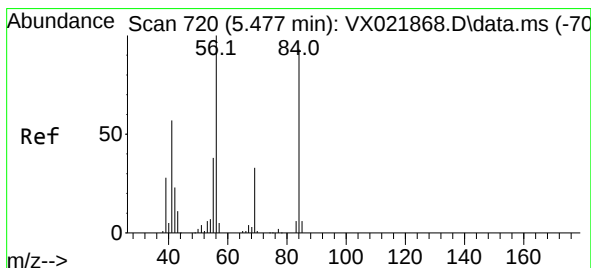
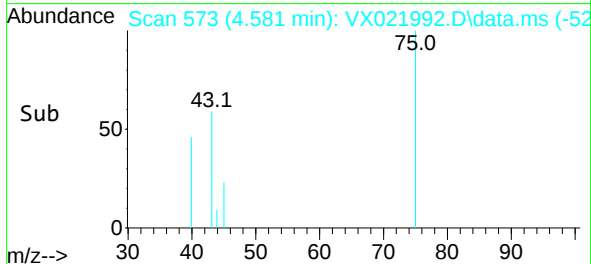
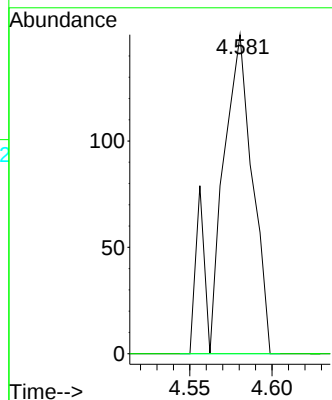
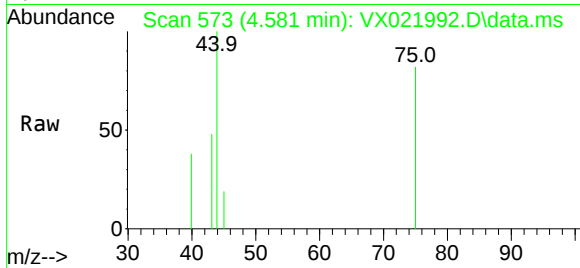




#25
2-Butanone
Concen: 0.20 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

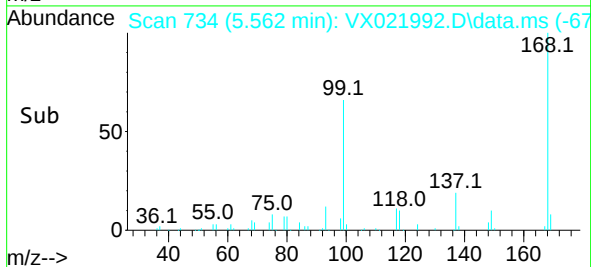
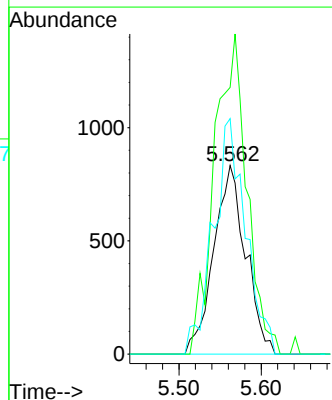
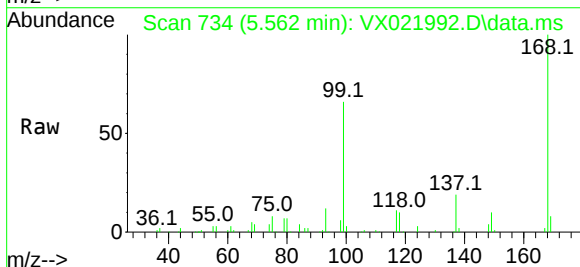
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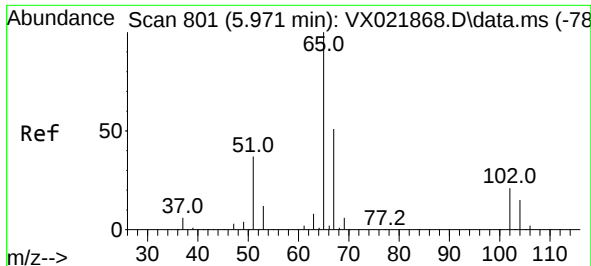
Tgt Ion: 43 Resp: 208
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 1.28 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

Tgt Ion: 56 Resp: 2250
Ion Ratio Lower Upper
56 100
69 141.4 25.3 37.9#
84 124.8 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 52.15 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.007 min

Lab File: VX021992.D

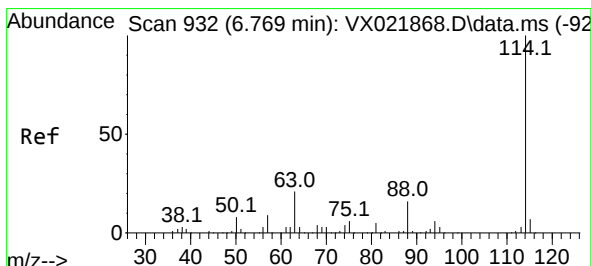
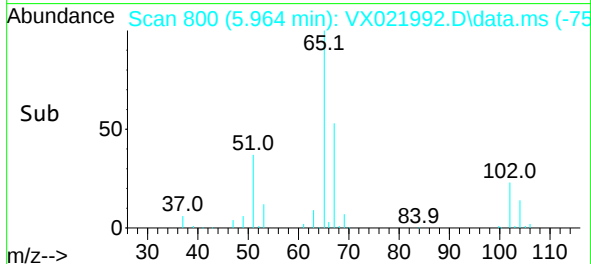
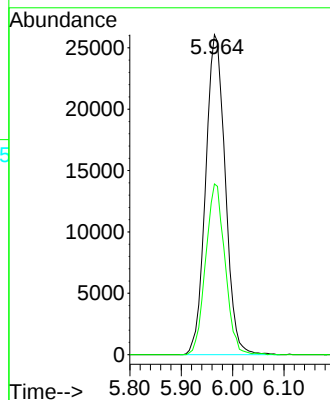
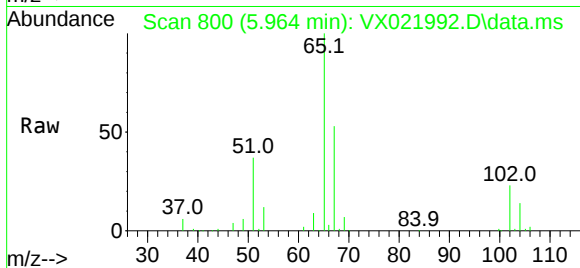
Acq: 14 May 2021 13:54

Tgt Ion: 65 Resp: 69233

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.775 min Scan# 933

Delta R.T. 0.006 min

Lab File: VX021992.D

Acq: 14 May 2021 13:54

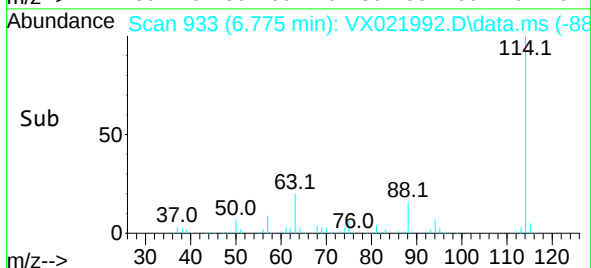
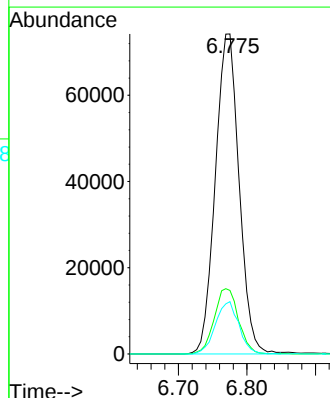
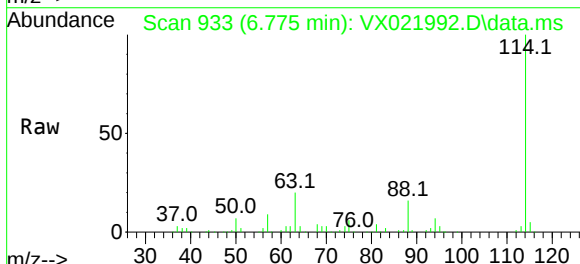
Tgt Ion: 114 Resp: 178510

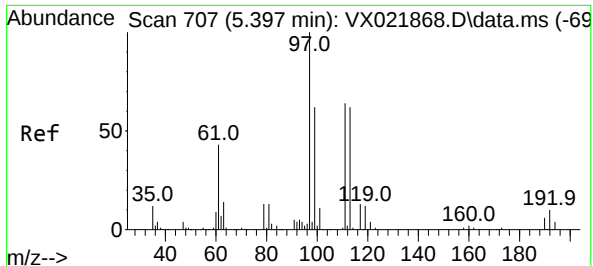
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.25 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX021992.D

Acq: 14 May 2021 13:54

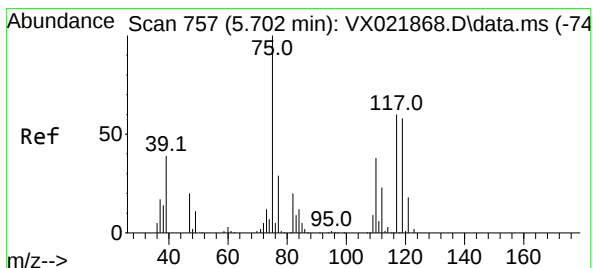
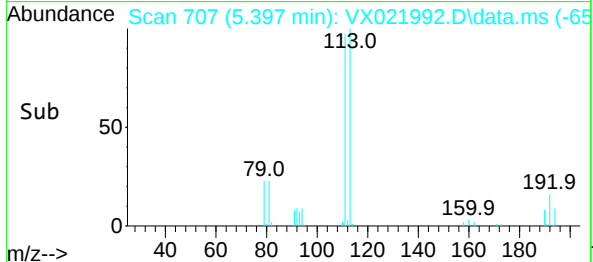
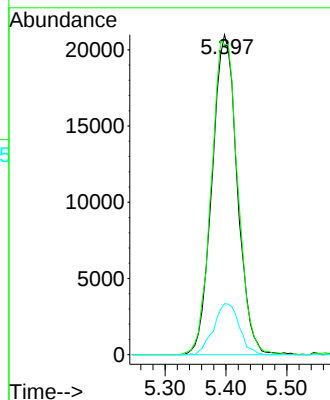
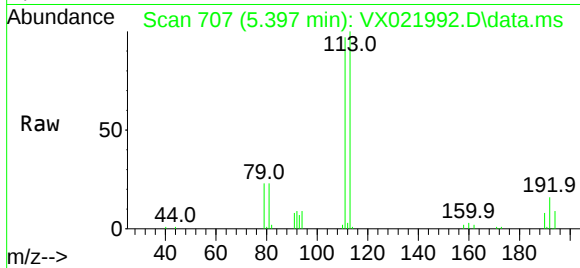
Tgt Ion:113 Resp: 60248

Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

192 16.2 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 3.79 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX021992.D

Acq: 14 May 2021 13:54

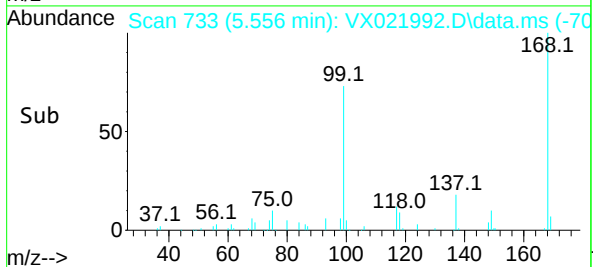
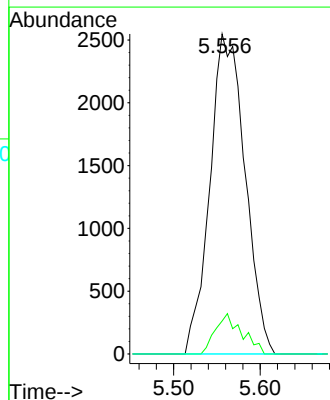
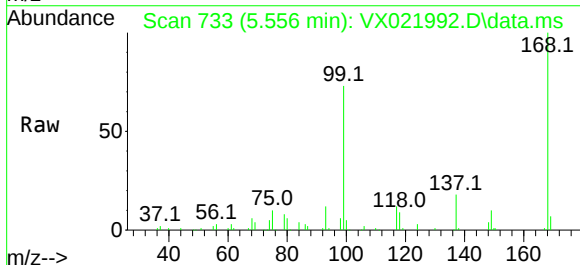
Tgt Ion: 75 Resp: 7171

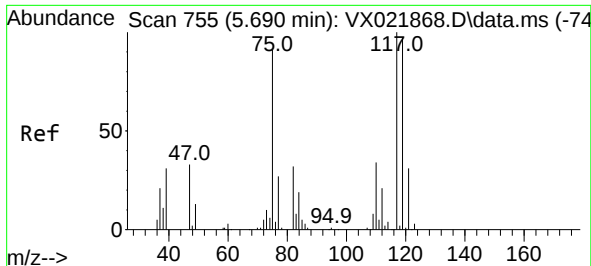
Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.4#

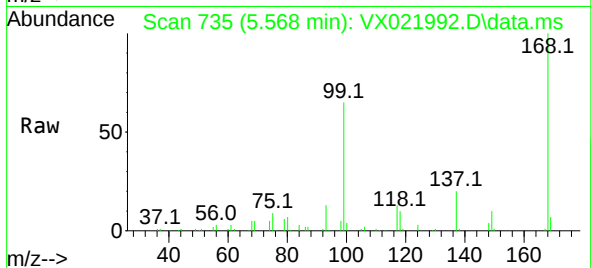
77 0.0 25.3 37.9#



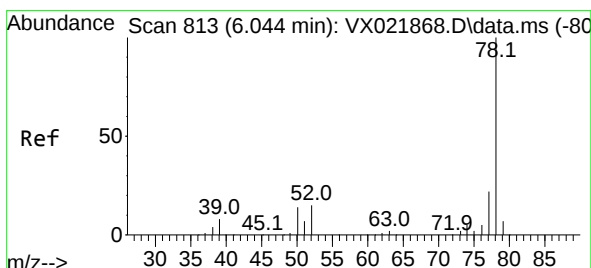
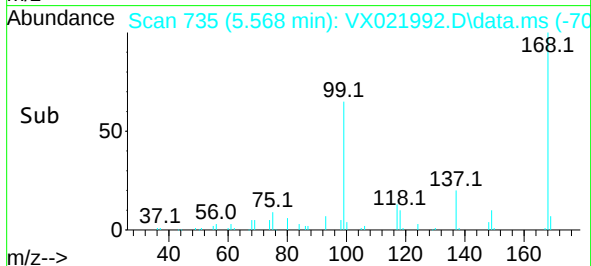
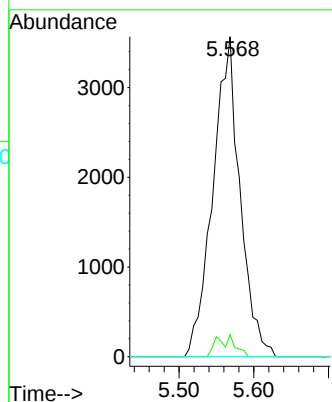


#38
Carbon Tetrachloride
Concen: 4.76 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

Instrument :
MSVOA_X
ClientSampleId :
DUP-02-05112021

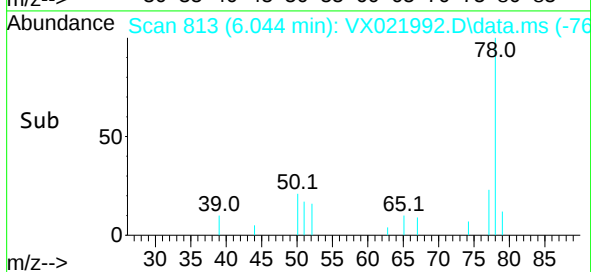
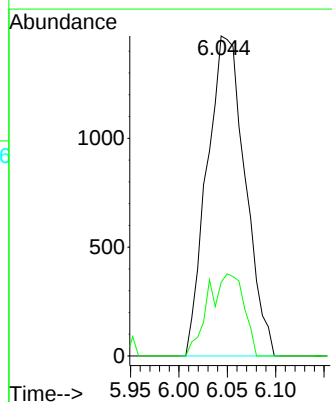
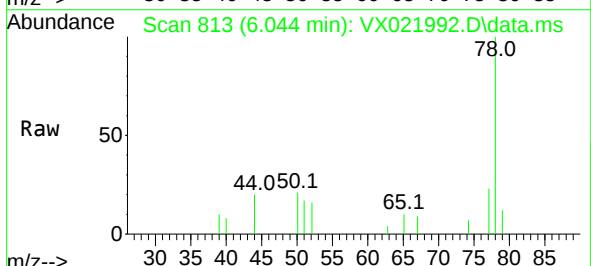


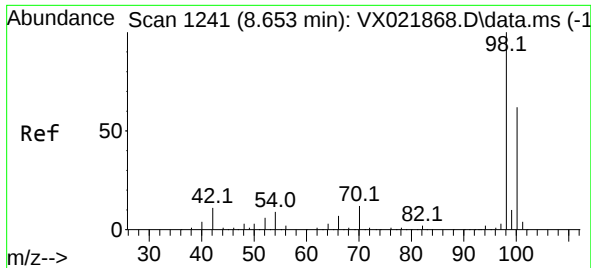
Tgt Ion:117 Resp: 9004
Ion Ratio Lower Upper
117 100
119 6.9 76.2 114.2#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 0.71 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

Tgt Ion: 78 Resp: 4020
Ion Ratio Lower Upper
78 100
77 23.1 18.9 28.3

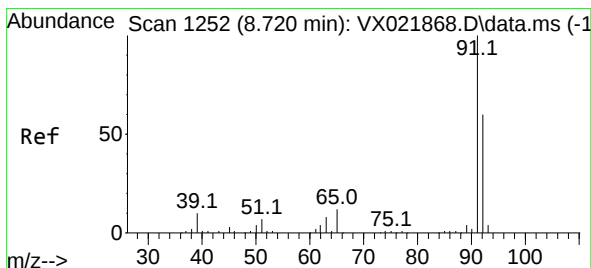
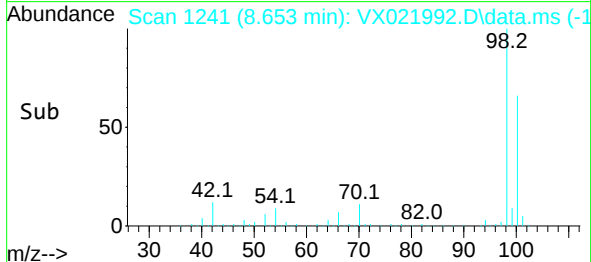
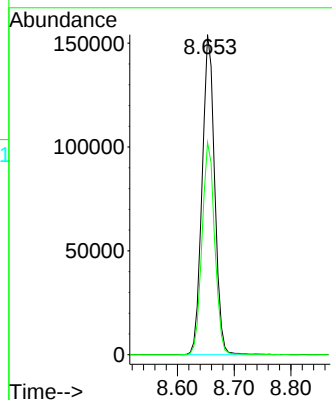
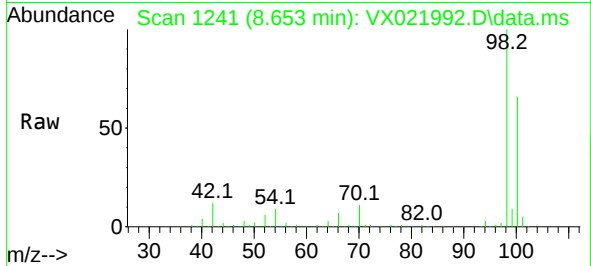




#50
Toluene-d8
Concen: 50.74 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

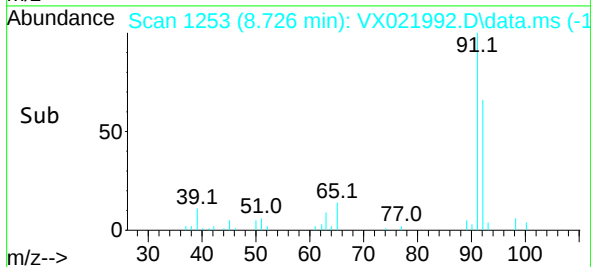
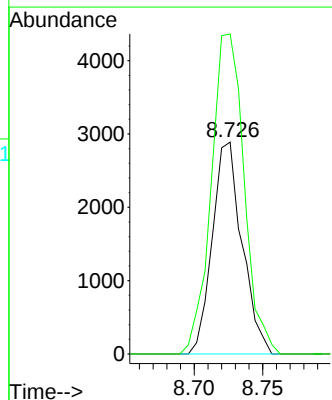
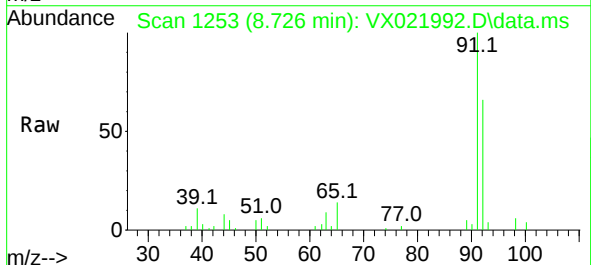
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-05112021

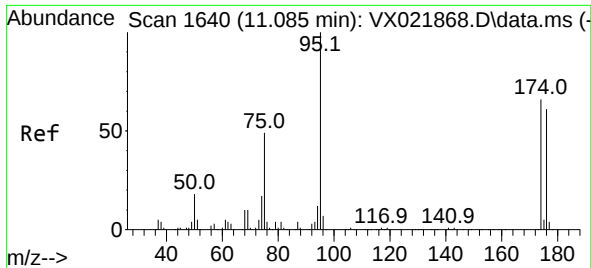
Tgt Ion: 98 Resp: 236861
Ion Ratio Lower Upper
98 100
100 67.1 51.9 77.9



#52
Toluene
Concen: 1.20 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

Tgt Ion: 92 Resp: 4357
Ion Ratio Lower Upper
92 100
91 166.9 137.1 205.7

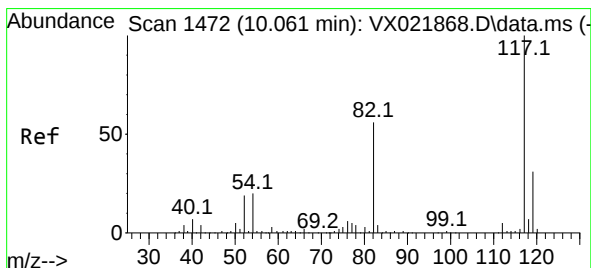
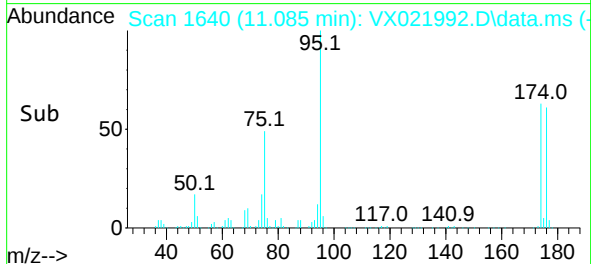
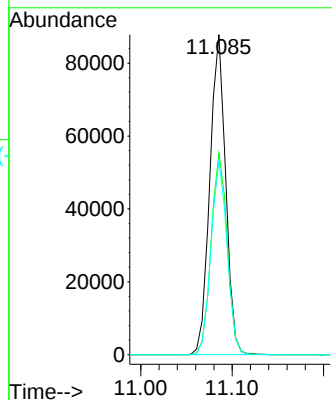
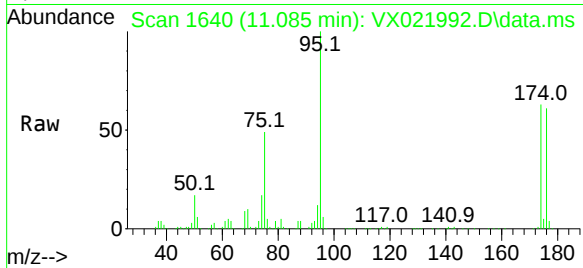




#62
4-Bromofluorobenzene
Concen: 57.08 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

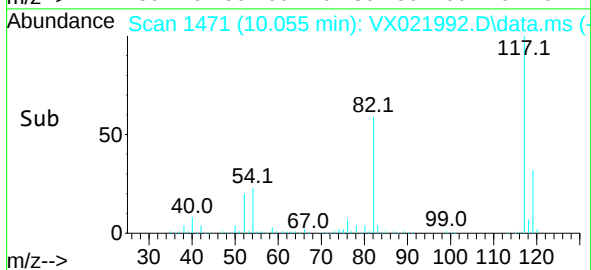
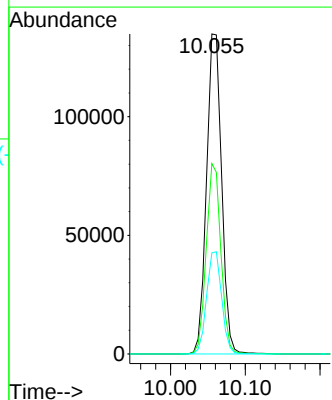
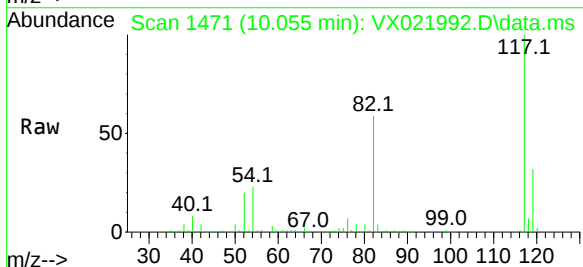
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-05112021

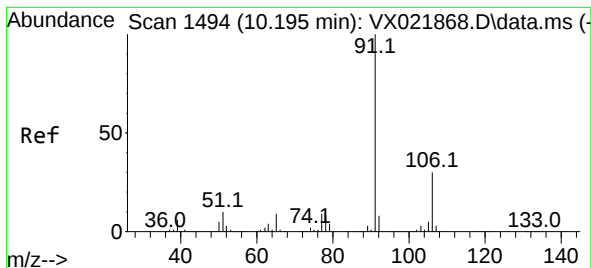
Tgt Ion: 95 Resp: 105157
Ion Ratio Lower Upper
95 100
174 64.1 0.0 154.6
176 61.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

Tgt Ion: 117 Resp: 188969
Ion Ratio Lower Upper
117 100
82 59.5 47.4 71.2
119 31.6 26.6 39.8

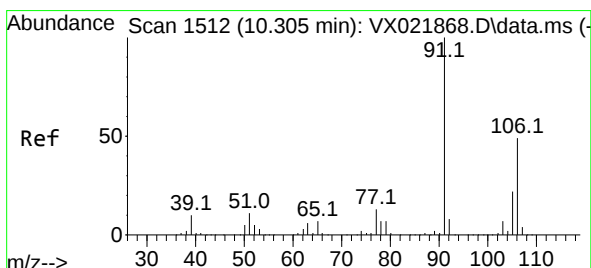
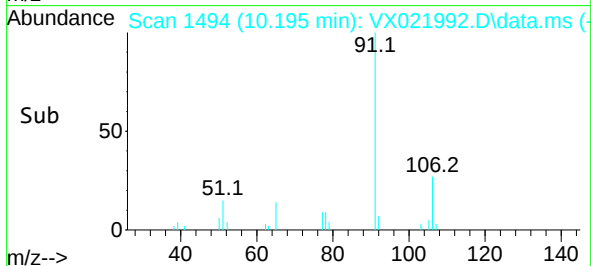
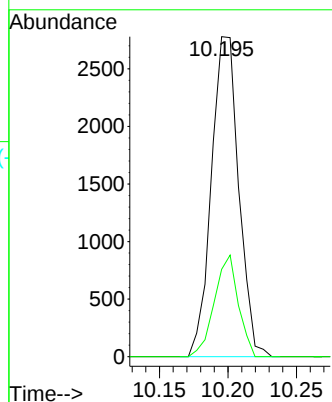
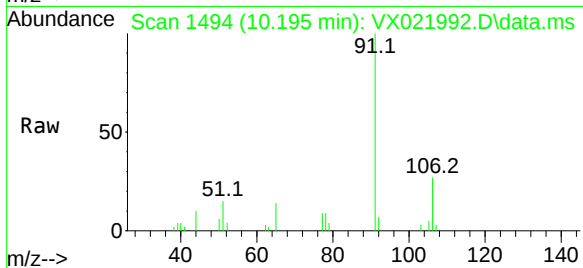




#67
Ethyl Benzene
Concen: 0.48 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

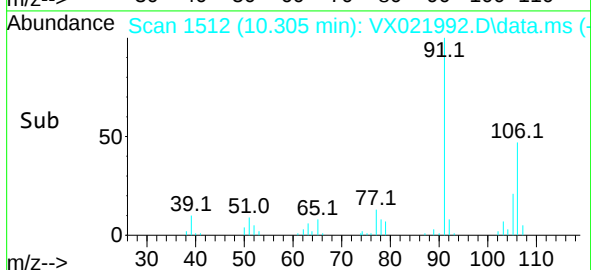
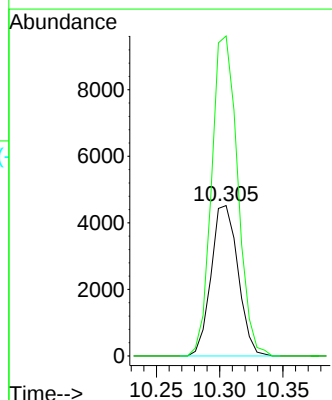
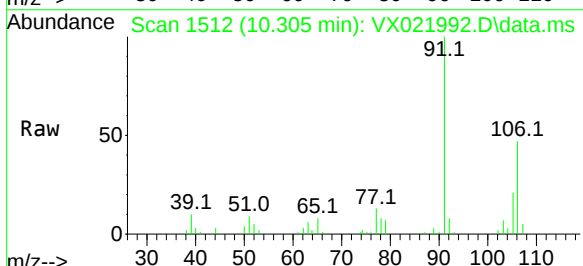
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-05112021

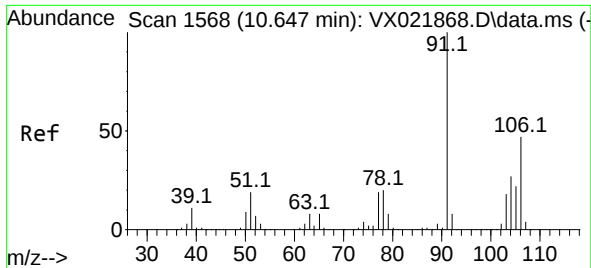
Tgt Ion: 91 Resp: 3862
Ion Ratio Lower Upper
91 100
106 27.3 24.6 37.0



#68
m/p-Xylenes
Concen: 2.17 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

Tgt Ion: 106 Resp: 6690
Ion Ratio Lower Upper
106 100
91 205.2 162.8 244.2

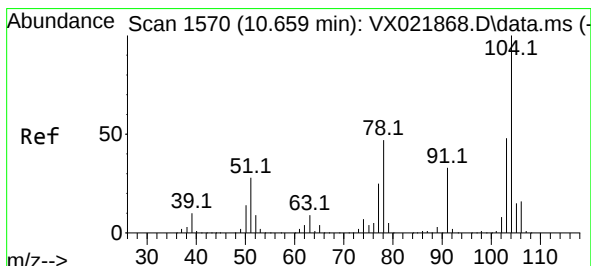
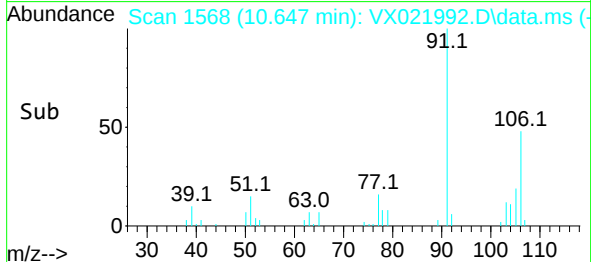
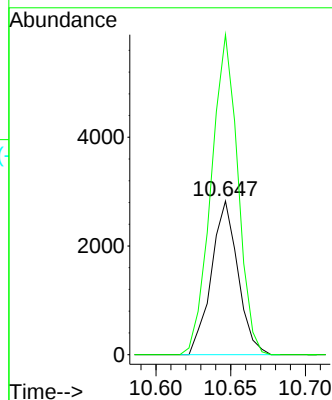
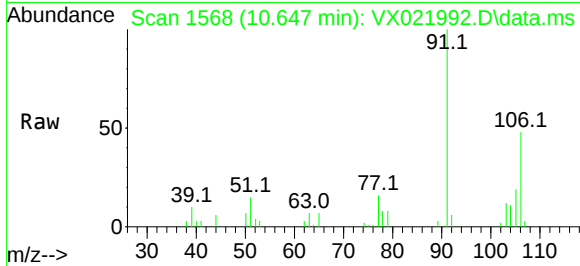




#69
o-Xylene
Concen: 1.14 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. -0.001 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

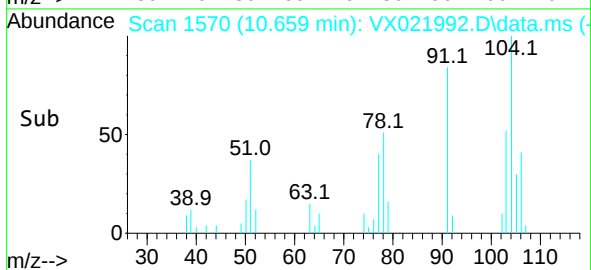
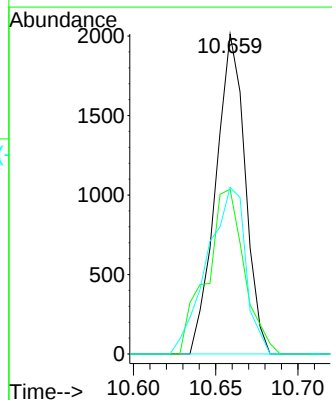
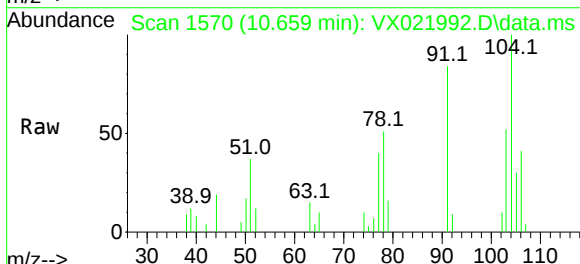
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-05112021

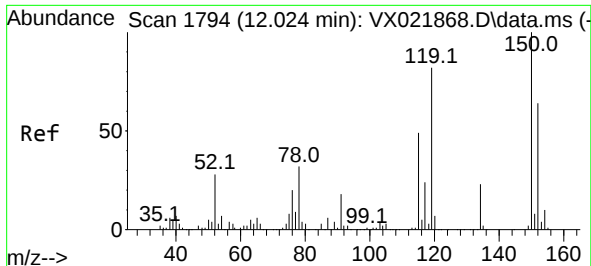
Tgt Ion:106 Resp: 3496
Ion Ratio Lower Upper
106 100
91 209.0 108.1 324.2



#70
Styrene
Concen: 0.49 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

Tgt Ion:104 Resp: 2500
Ion Ratio Lower Upper
104 100
78 65.9 40.0 60.0#
103 68.5 43.4 65.0#

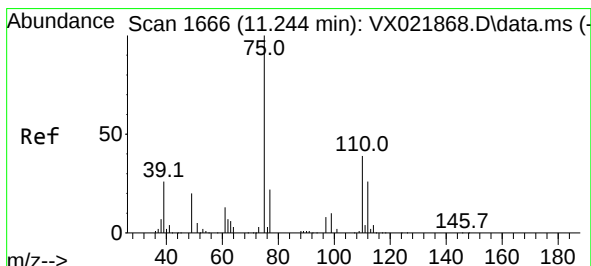
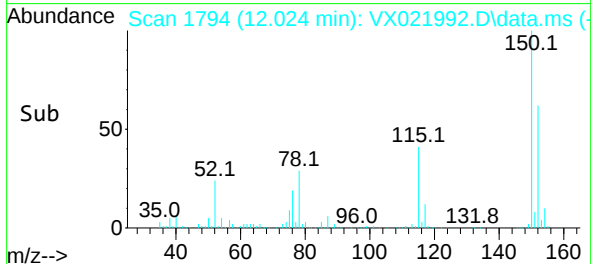
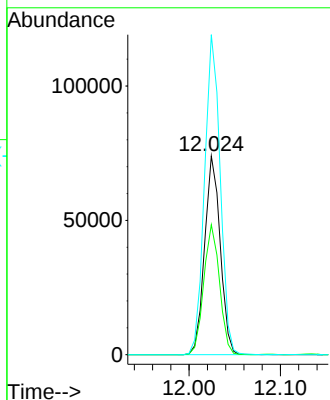
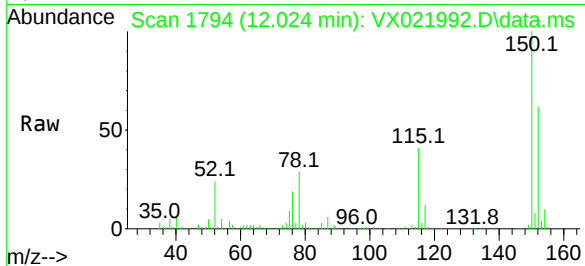




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX021992.D
 Acq: 14 May 2021 13:54

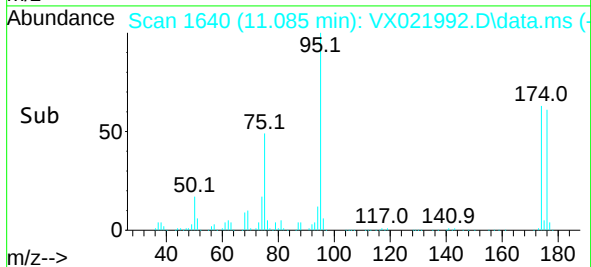
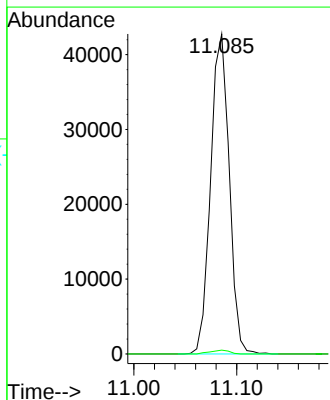
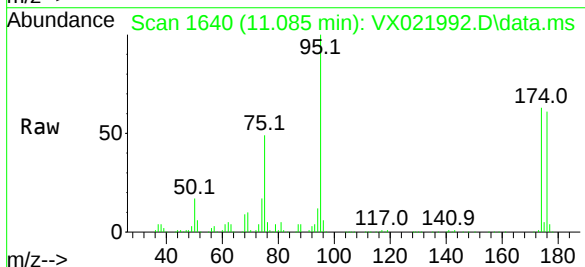
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-02-05112021

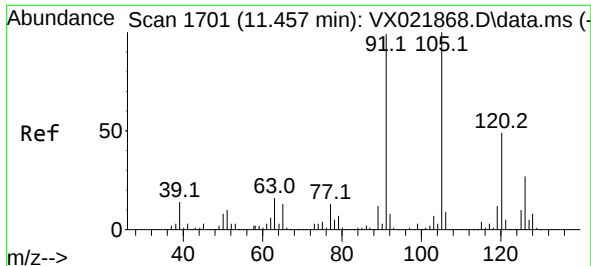
Tgt Ion:152 Resp: 87550
 Ion Ratio Lower Upper
 152 100
 115 65.8 41.1 123.3
 150 161.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 21.53 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX021992.D
 Acq: 14 May 2021 13:54

Tgt Ion: 75 Resp: 53582
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

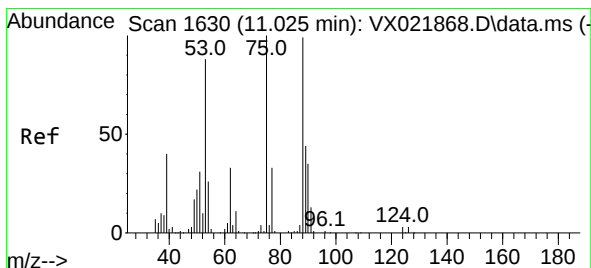
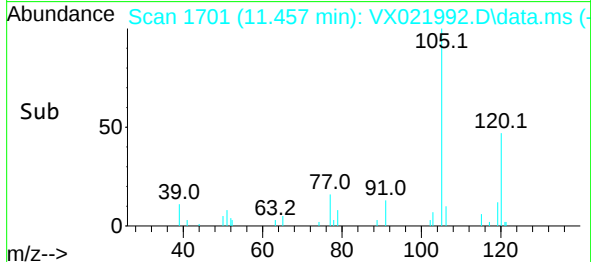
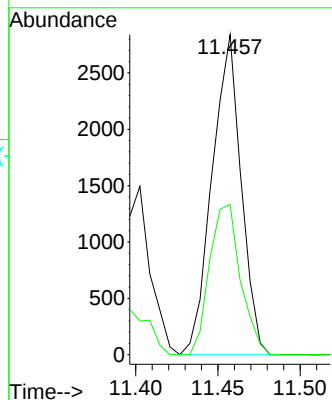
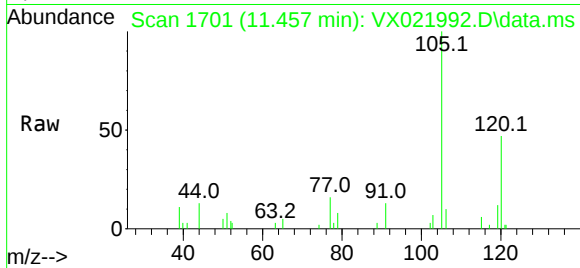




#80
1,3,5-Trimethylbenzene
Concen: 0.51 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

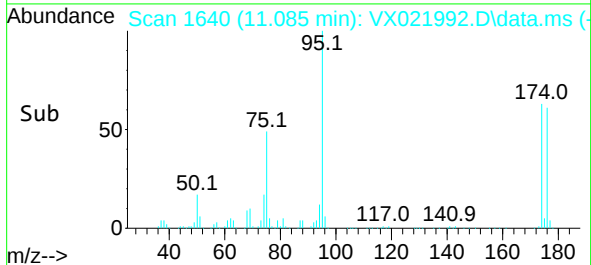
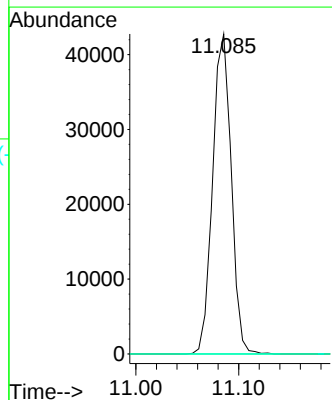
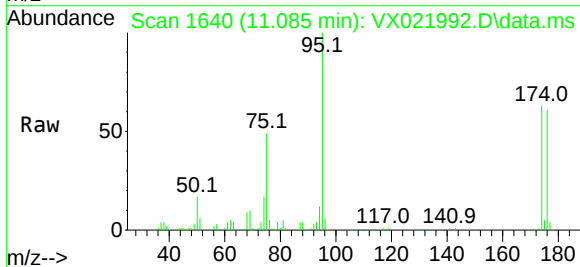
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-05112021

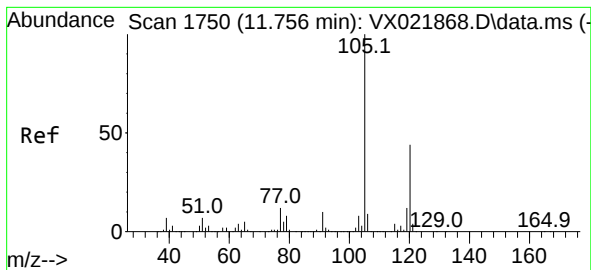
Tgt Ion:105 Resp: 3489
Ion Ratio Lower Upper
105 100
120 50.2 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 49.93 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

Tgt Ion: 75 Resp: 53582
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#84

1,2,4-Trimethylbenzene

Concen: 1.40 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VX021992.D

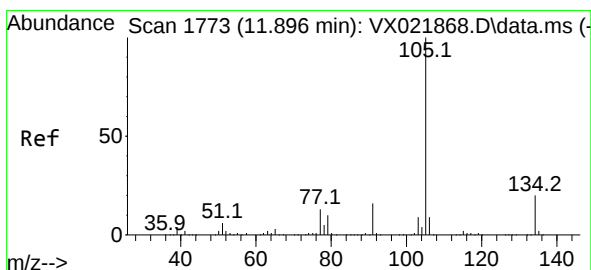
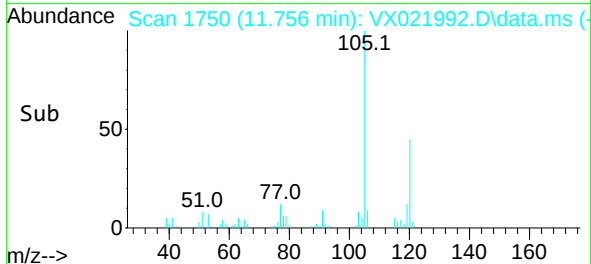
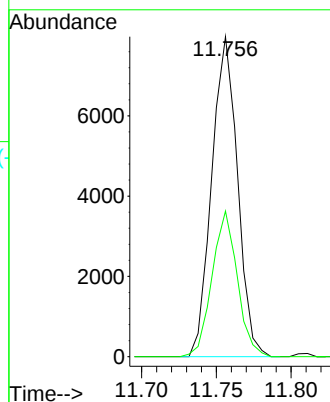
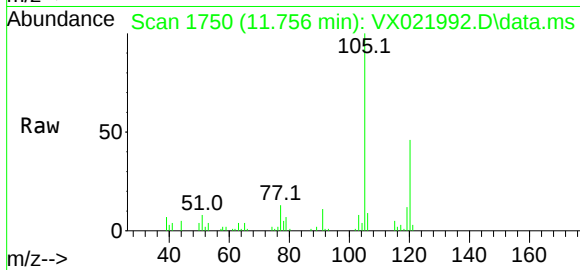
Acq: 14 May 2021 13:54

Tgt Ion:105 Resp: 9554

Ion Ratio Lower Upper

105 100

120 44.5 22.4 67.3



#85

sec-Butylbenzene

Concen: 1.18 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. -0.140 min

Lab File: VX021992.D

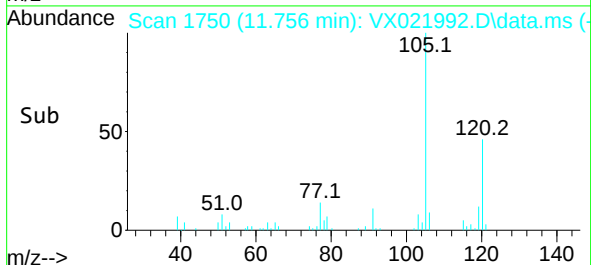
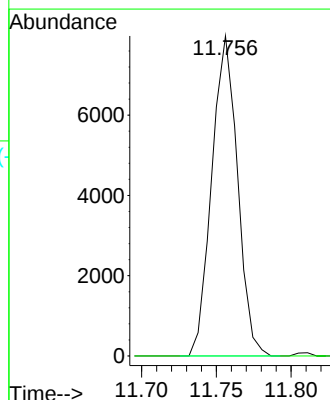
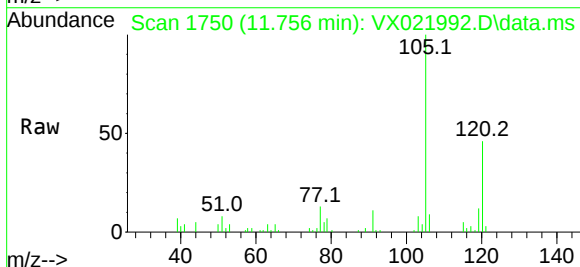
Acq: 14 May 2021 13:54

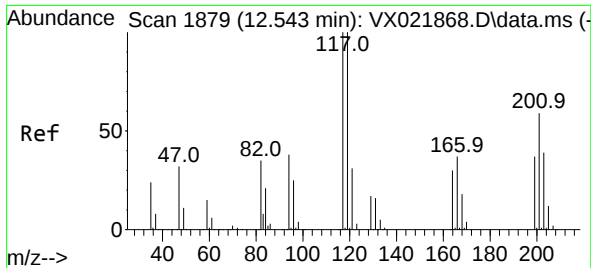
Tgt Ion:105 Resp: 9554

Ion Ratio Lower Upper

105 100

134 0.0 10.0 29.8#

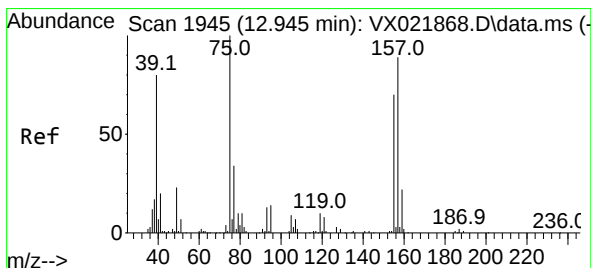
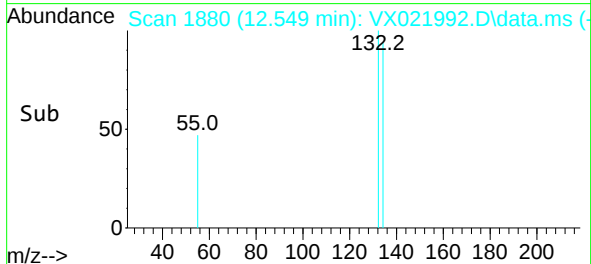
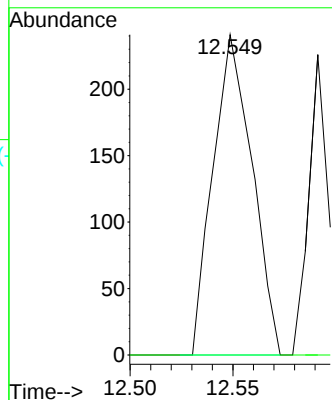
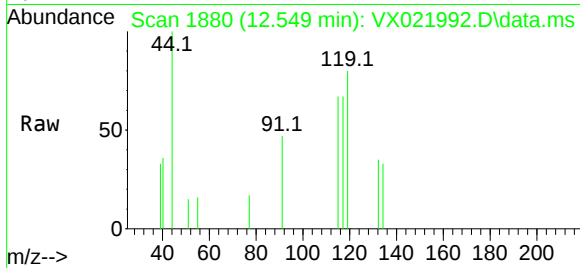




#90
Hexachloroethane
Concen: 0.26 ug/l
RT: 12.549 min Scan# 1880
Delta R.T. 0.006 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

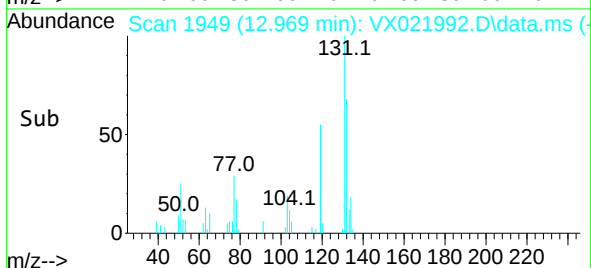
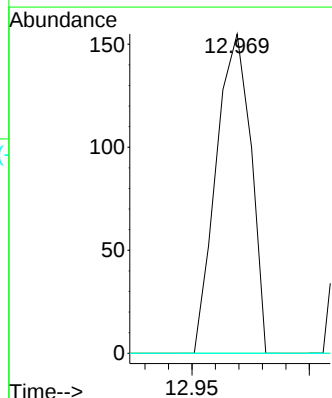
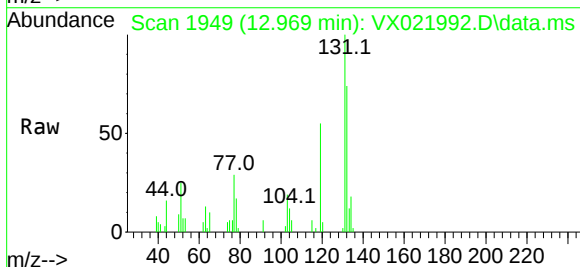
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-05112021

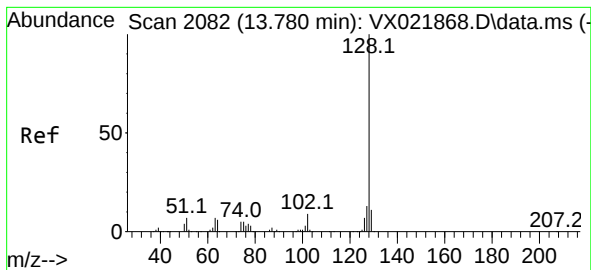
Tgt Ion:117 Resp: 319
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 12.969 min Scan# 1949
Delta R.T. 0.024 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

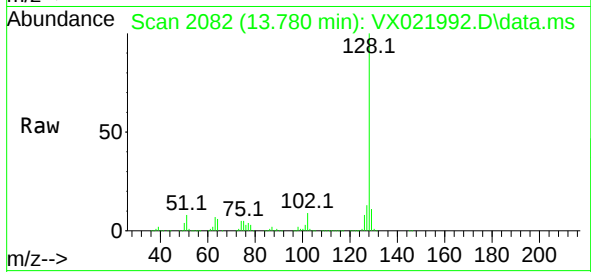
Tgt Ion: 75 Resp: 159
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 0.0 57.7 173.1#





#95
Naphthalene
Concen: 162.64 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX021992.D
Acq: 14 May 2021 13:54

Instrument :
MSVOA_X
ClientSampleId :
DUP-02-05112021



Tgt Ion:128 Resp: 1276366
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.1 8.8 13.2

