

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051321\
 Data File : VX021971.D
 Acq On : 13 May 2021 16:43
 Operator : JC/MD
 Sample : M2383-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-02-05122021

Quant Time: May 14 04:38:01 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)

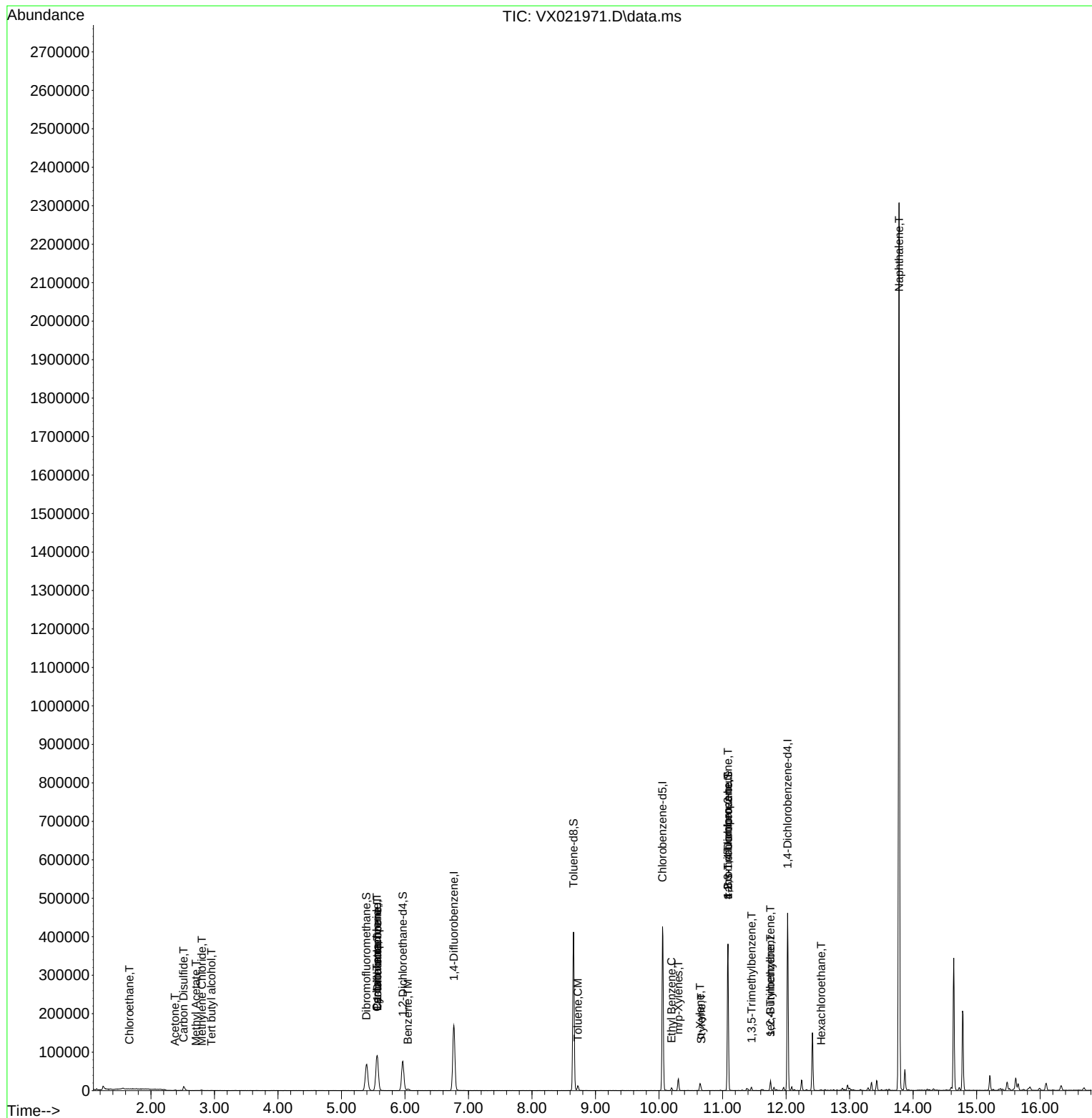
Internal Standards						
1) Pentafluorobenzene	5.562	168	81533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	176137	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	187852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86653	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	68874	51.33	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.66%			
35) Dibromofluoromethane	5.391	113	60819	50.38	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.76%			
50) Toluene-d8	8.653	98	236215	51.28	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.56%			
62) 4-Bromofluorobenzene	11.085	95	104197	57.32	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.64%			
Target Compounds					Qvalue	
6) Chloroethane	1.660	64	439	0.57	ug/l #	72
11) Tert butyl alcohol	2.953	59	209	0.58	ug/l #	73
13) Acrolein	2.239	56	52	Below Cal	#	14
16) Acetone	2.380	43	1310	2.18	ug/l	97
17) Carbon Disulfide	2.514	76	11269	3.67	ug/l #	93
18) Methyl Acetate	2.709	43	461	0.28	ug/l #	47
20) Methylene Chloride	2.800	84	537	0.58	ug/l #	70
31) Cyclohexane	5.562	56	2199	1.24	ug/l #	14
36) 1,1-Dichloropropene	5.562	75	7350	3.94	ug/l #	44
38) Carbon Tetrachloride	5.556	117	8808	4.72	ug/l #	15
40) Benzene	6.043	78	4191	0.75	ug/l #	69
52) Toluene	8.720	92	4313	1.20	ug/l	94
67) Ethyl Benzene	10.195	91	3949	0.49	ug/l	90
68) m/p-Xylenes	10.305	106	7024	2.29	ug/l	98
69) o-Xylene	10.646	106	3406	1.11	ug/l	92
70) Styrene	10.665	104	2354	0.46	ug/l #	65
76) 1,2,3-Trichloropropane	11.085	75	53348	21.65	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	3947	0.59	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.085	75	53348	50.23	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.756	105	9907	1.47	ug/l	100
85) sec-Butylbenzene	11.756	105	9907	1.24	ug/l #	57
90) Hexachloroethane	12.555	117	314	0.25	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	12.969	75	113	Below Cal	#	1
95) Naphthalene	13.780	128	1339151	172.40	ug/l	100

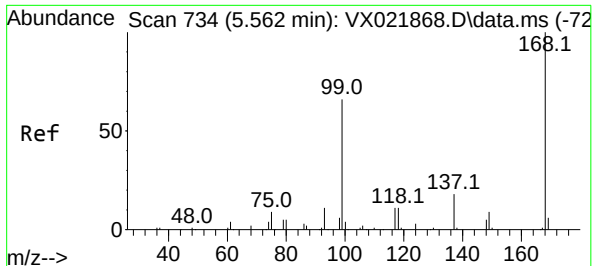
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050721W.M
Quant Title : SW846 8260
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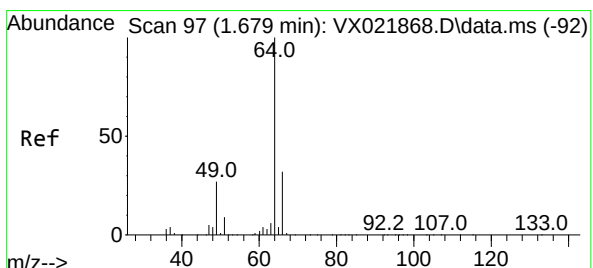
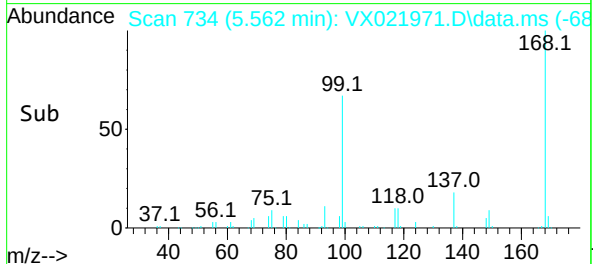
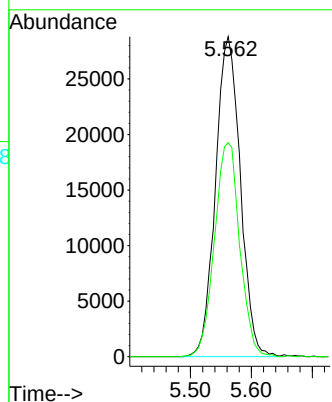
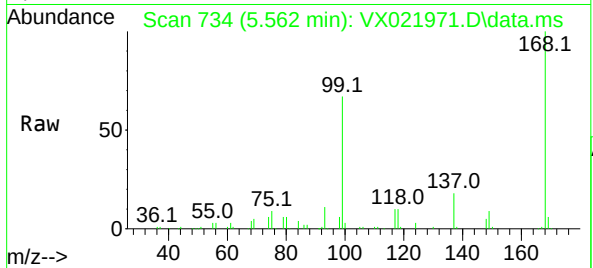




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

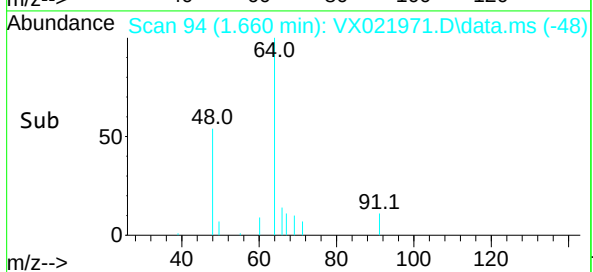
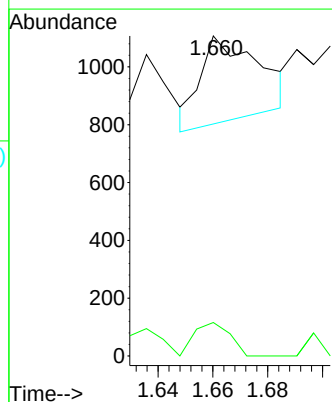
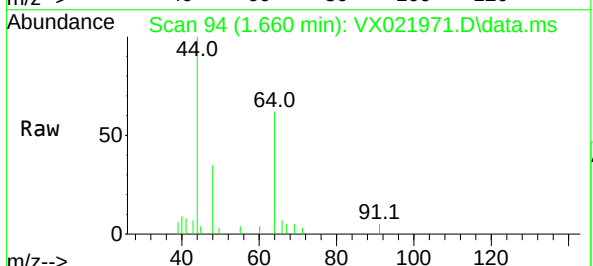
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-05122021

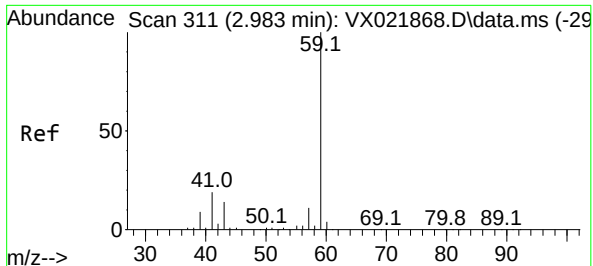
Tgt Ion:168 Resp: 81533
Ion Ratio Lower Upper
168 100
99 66.9 45.8 68.6



#6
Chloroethane
Concen: 0.57 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.019 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

Tgt Ion: 64 Resp: 439
Ion Ratio Lower Upper
64 100
66 47.2 25.4 38.0#



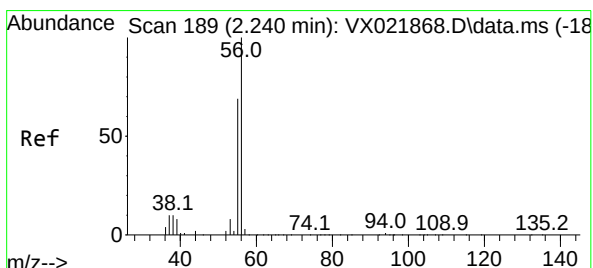
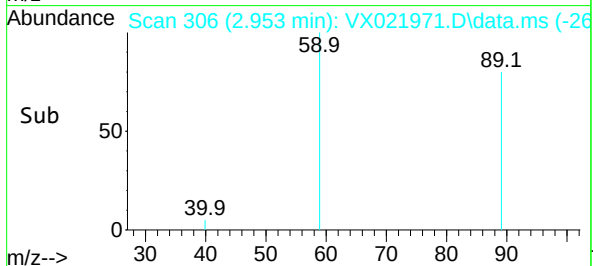
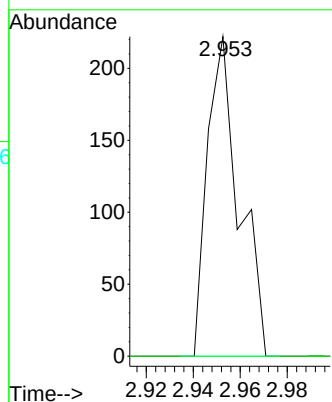
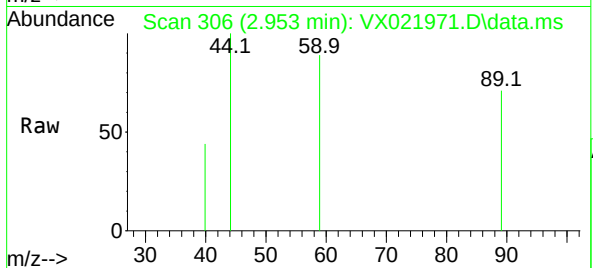


#11

Tert butyl alcohol
Concen: 0.58 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

Instrument :
MSVOA_X
ClientSampleId :
DUP-02-05122021

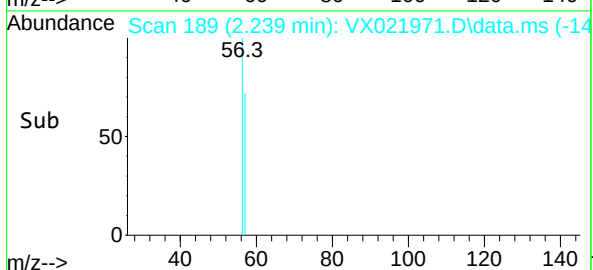
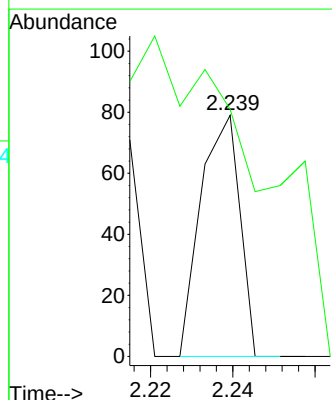
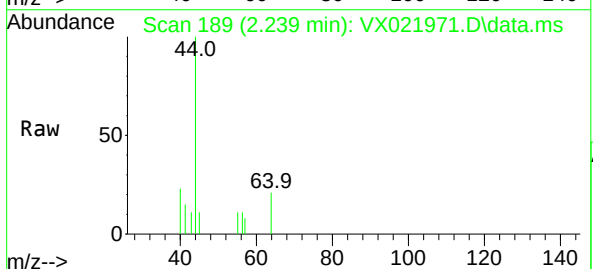
Tgt Ion: 59 Resp: 209
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

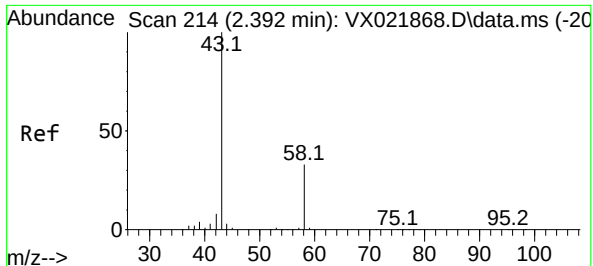


#13

Acrolein
Concen: Below Cal
RT: 2.239 min Scan# 189
Delta R.T. -0.001 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

Tgt Ion: 56 Resp: 52
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

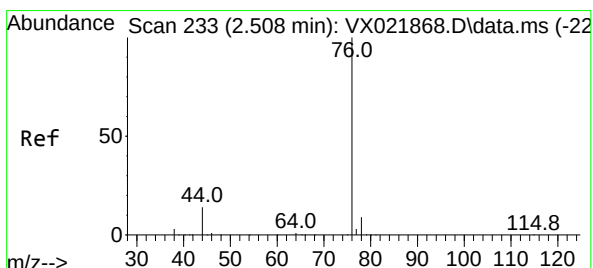
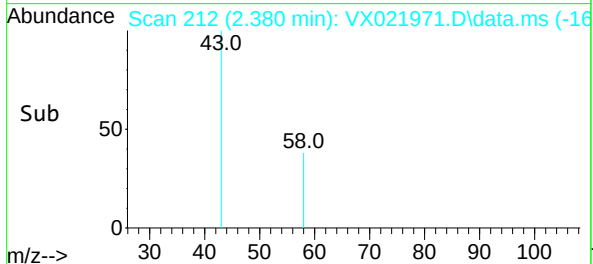
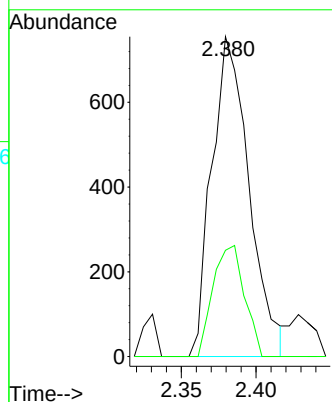
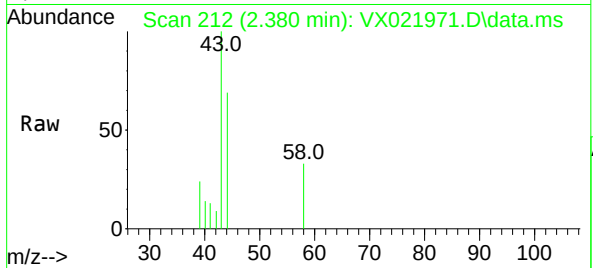




#16
Acetone
Concen: 2.18 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

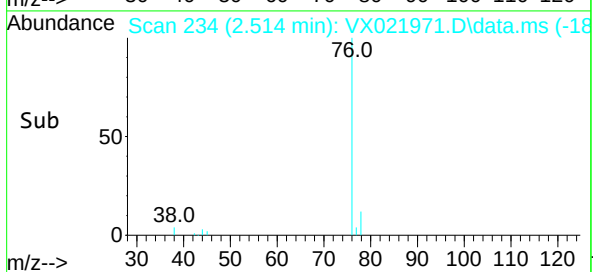
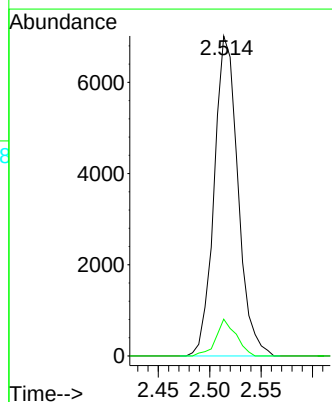
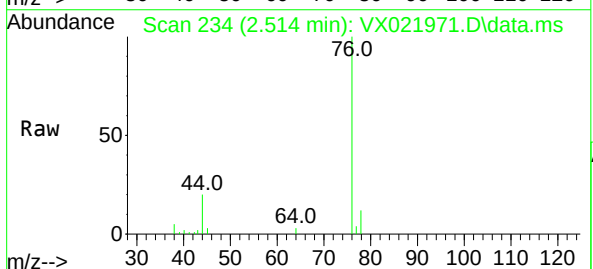
Instrument :
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ClientSampleId :
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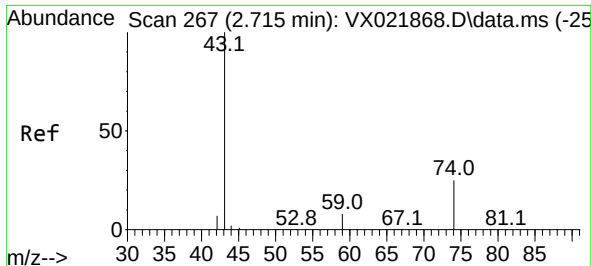
Tgt Ion: 43 Resp: 1310
Ion Ratio Lower Upper
43 100
58 33.2 27.8 41.8



#17
Carbon Disulfide
Concen: 3.67 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

Tgt Ion: 76 Resp: 11269
Ion Ratio Lower Upper
76 100
78 11.5 7.2 10.8#

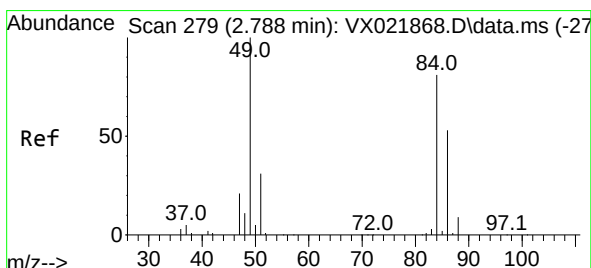
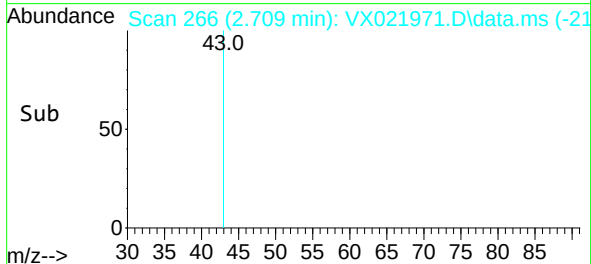
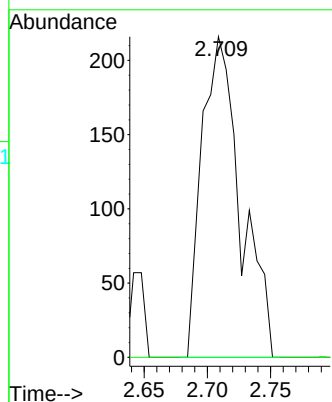
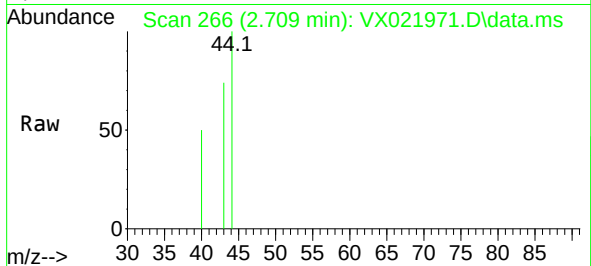




#18
Methyl Acetate
Concen: 0.28 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

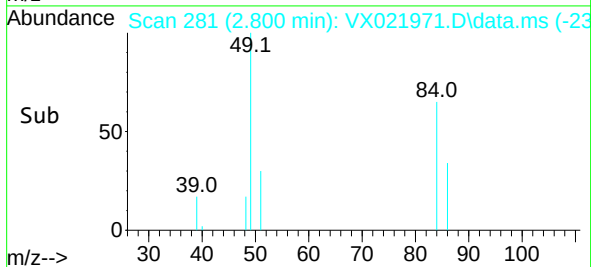
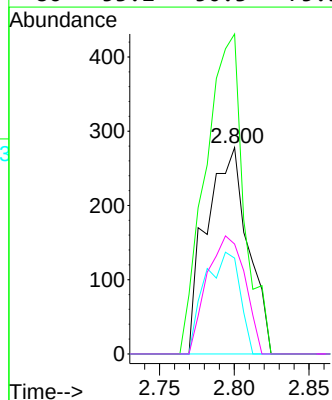
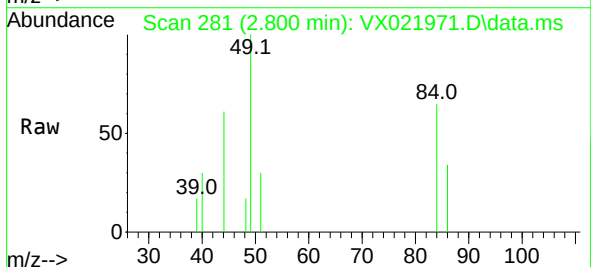
Instrument :
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ClientSampleId :
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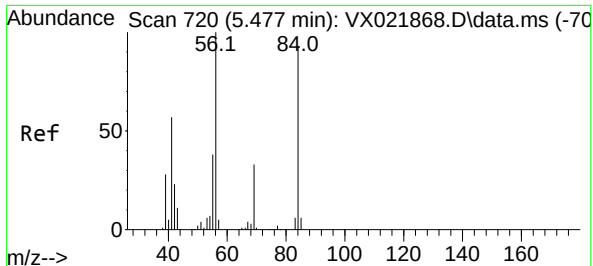
Tgt Ion: 43 Resp: 461
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 0.58 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

Tgt Ion: 84 Resp: 537
Ion Ratio Lower Upper
84 100
49 155.0 88.6 132.8#
51 46.4 27.0 40.6#
86 53.2 50.3 75.5

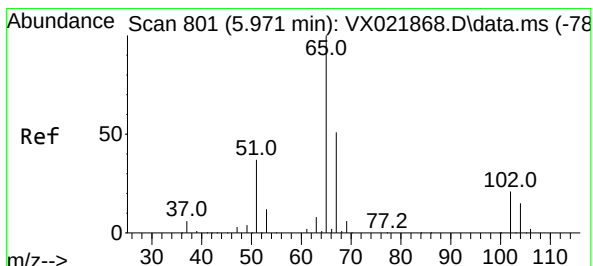
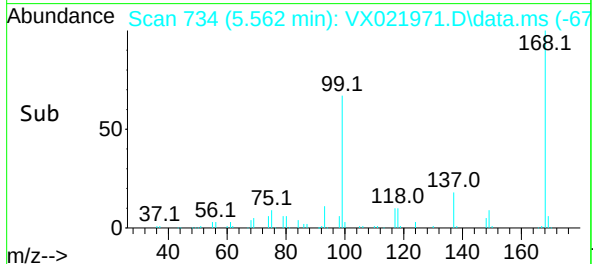
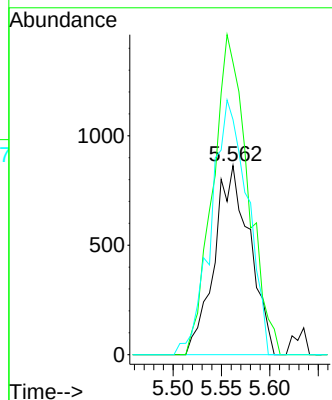
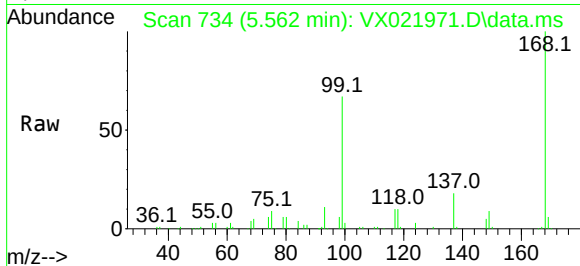




#31
Cyclohexane
Concen: 1.24 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

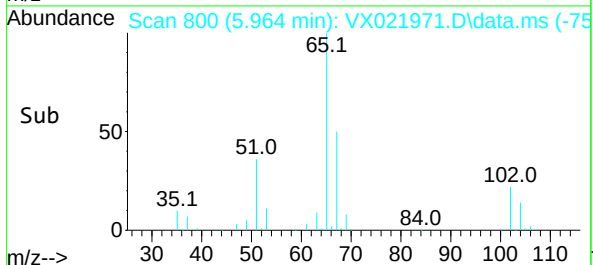
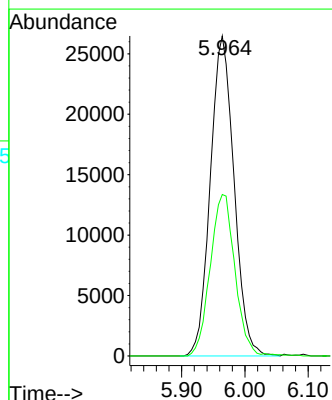
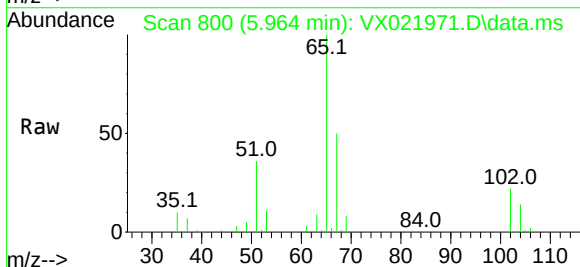
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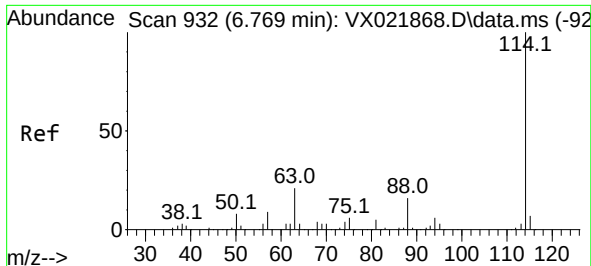
Tgt Ion: 56 Resp: 2199
Ion Ratio Lower Upper
56 100
69 154.5 25.3 37.9#
84 124.3 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.33 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

Tgt Ion: 65 Resp: 68874
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.4

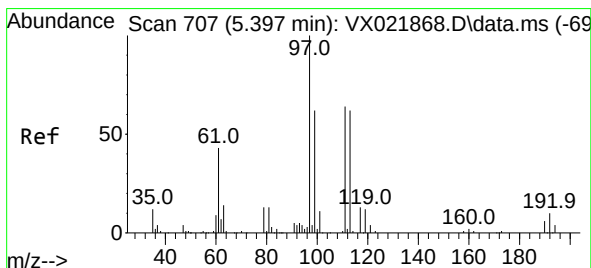
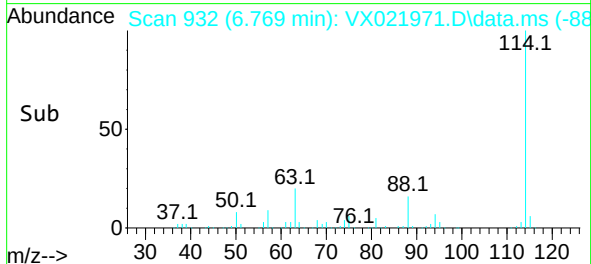
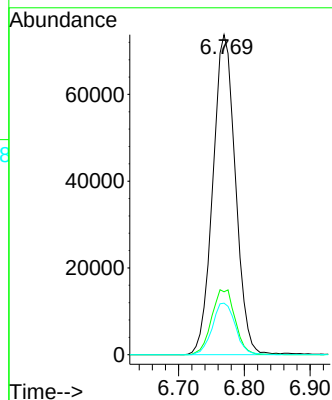
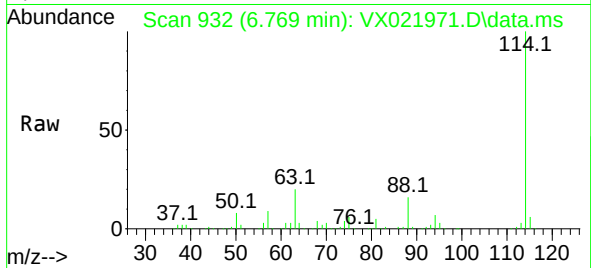




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

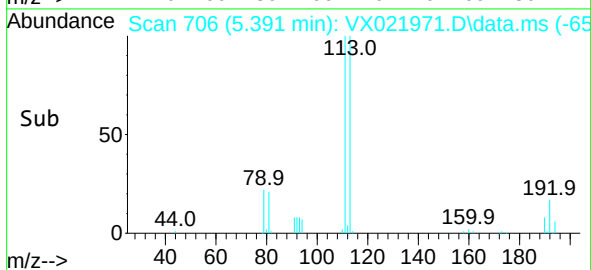
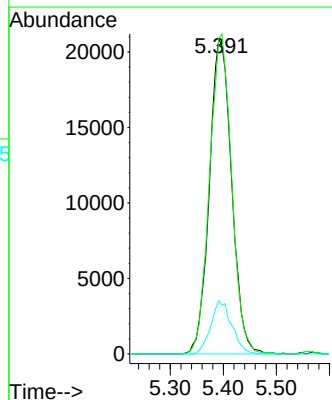
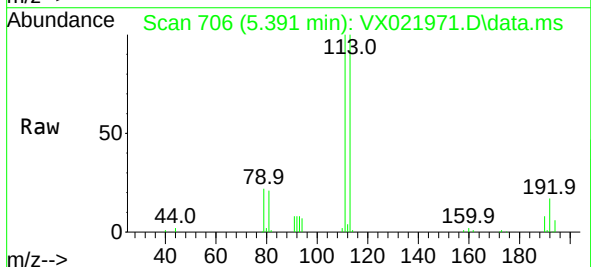
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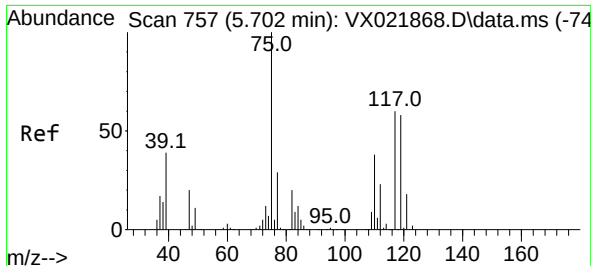
Tgt Ion:114 Resp: 176137
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.8
88 16.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.38 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

Tgt Ion:113 Resp: 60819
Ion Ratio Lower Upper
113 100
111 100.6 81.9 122.9
192 15.8 16.7 25.1#

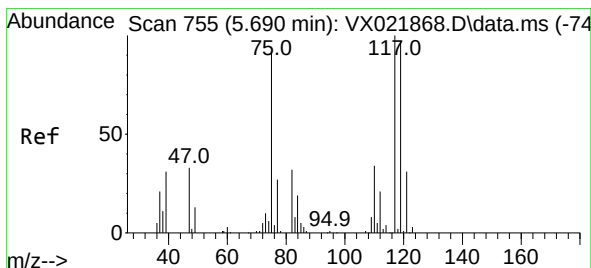
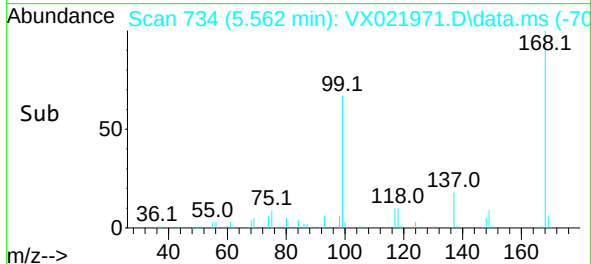
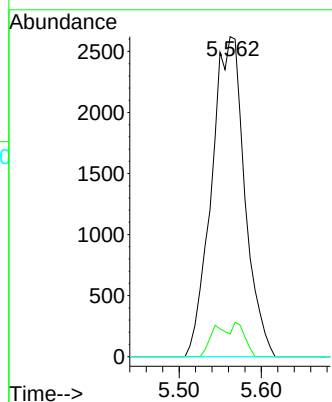
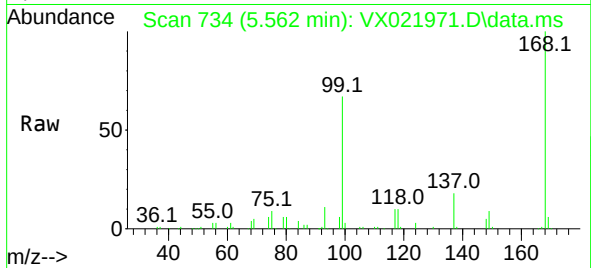




#36
1,1-Dichloropropene
Concen: 3.94 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

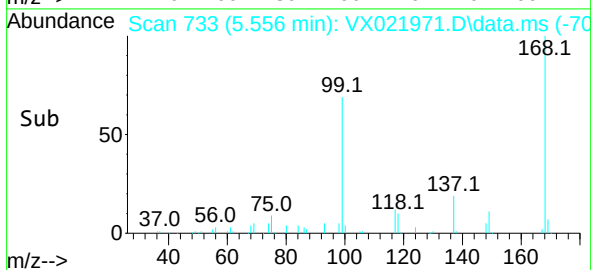
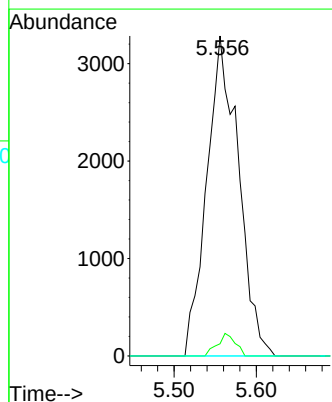
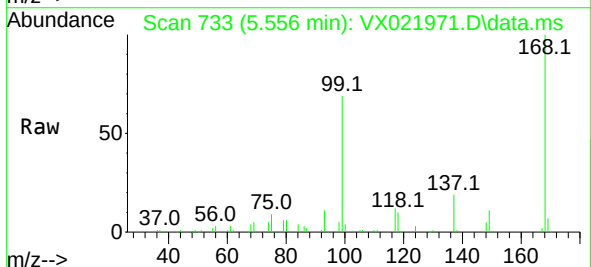
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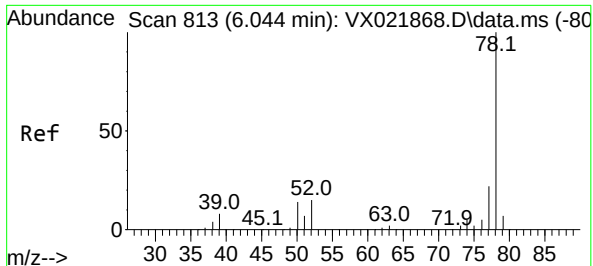
Tgt Ion: 75 Resp: 7350
Ion Ratio Lower Upper
75 100
110 3.8 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.72 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

Tgt Ion: 117 Resp: 8808
Ion Ratio Lower Upper
117 100
119 3.8 76.2 114.2#
121 0.0 24.8 37.2#

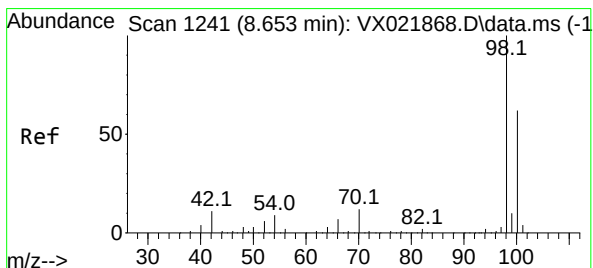
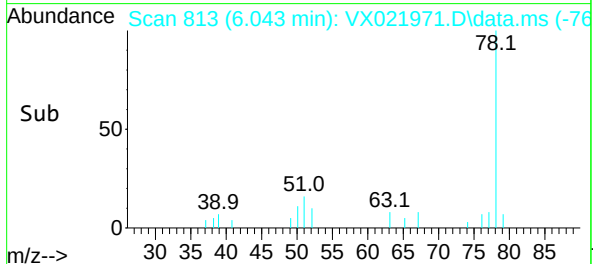
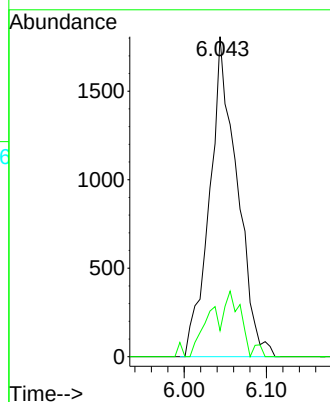
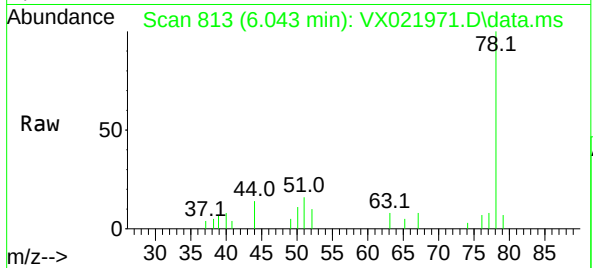




#40
Benzene
Concen: 0.75 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

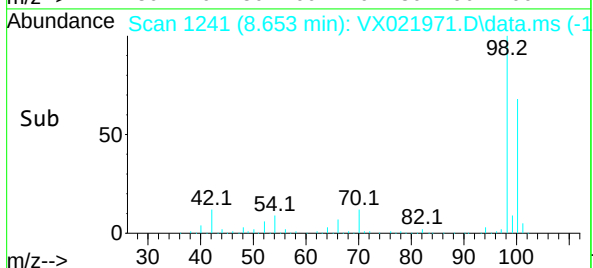
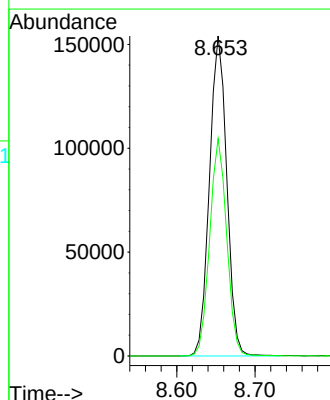
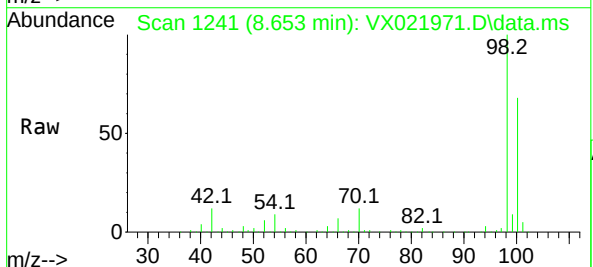
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-05122021

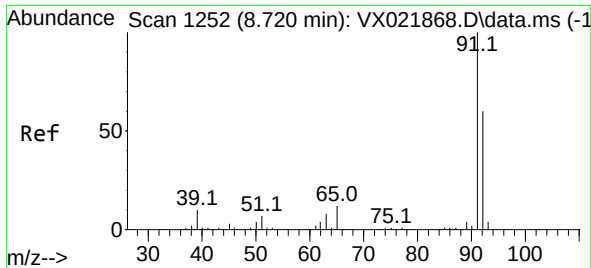
Tgt Ion: 78 Resp: 4191
Ion Ratio Lower Upper
78 100
77 8.2 18.9 28.3#



#50
Toluene-d8
Concen: 51.28 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

Tgt Ion: 98 Resp: 236215
Ion Ratio Lower Upper
98 100
100 66.9 51.9 77.9

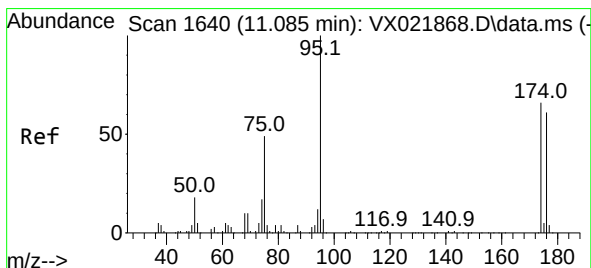
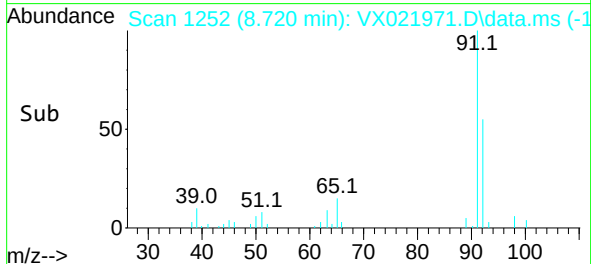
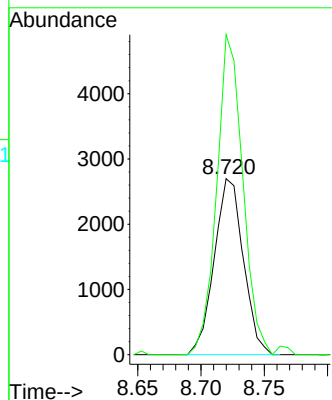
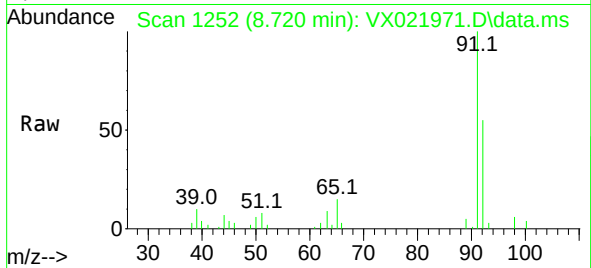




#52
Toluene
Concen: 1.20 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

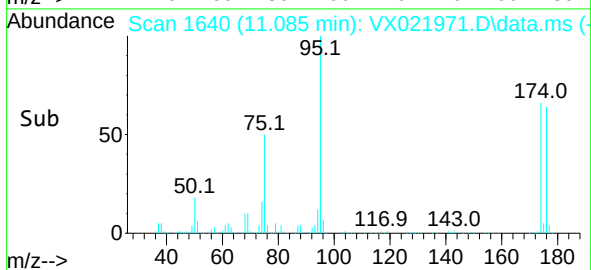
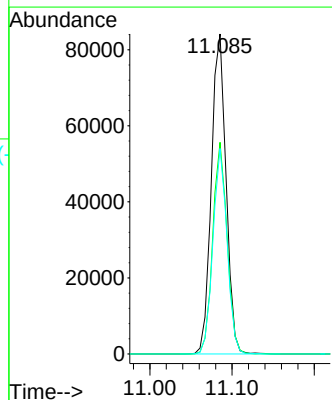
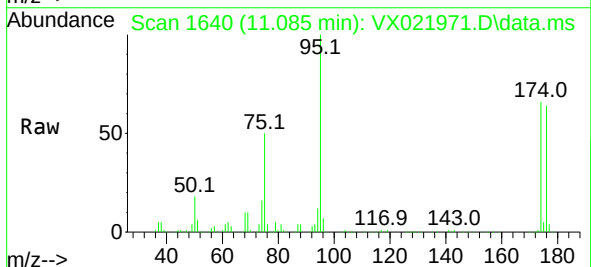
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-05122021

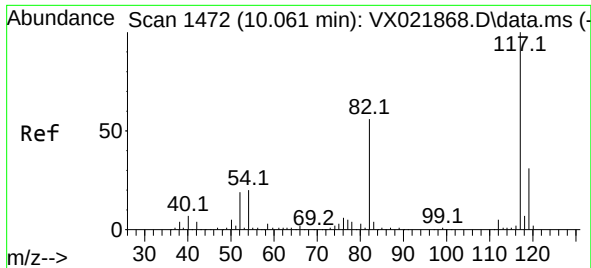
Tgt Ion: 92 Resp: 4313
Ion Ratio Lower Upper
92 100
91 163.1 137.1 205.7



#62
4-Bromofluorobenzene
Concen: 57.32 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

Tgt Ion: 95 Resp: 104197
Ion Ratio Lower Upper
95 100
174 64.6 0.0 154.6
176 61.7 0.0 155.8

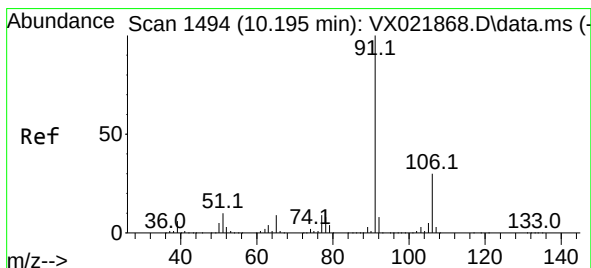
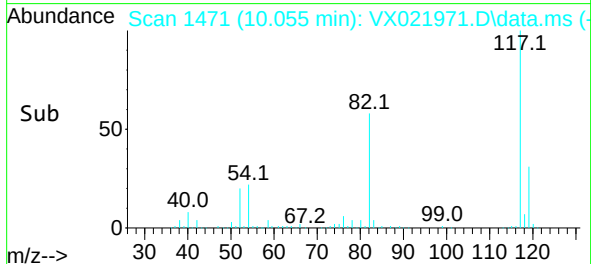
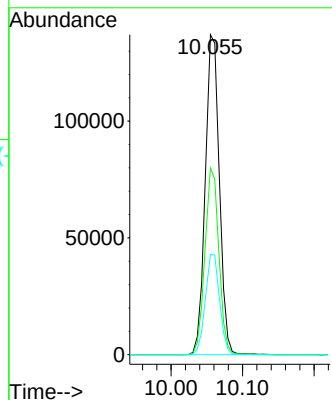
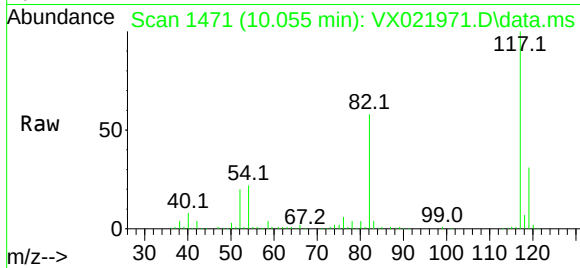




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

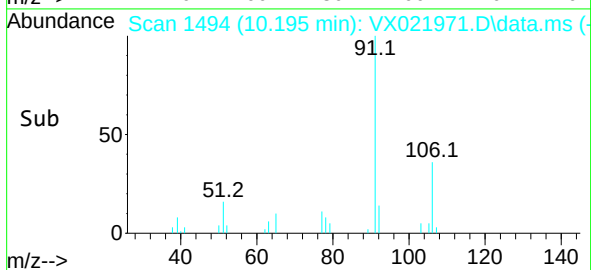
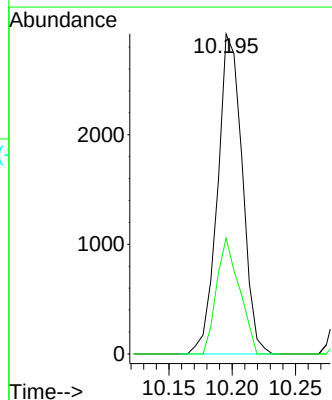
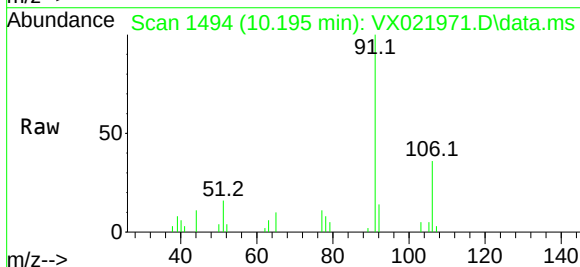
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-05122021

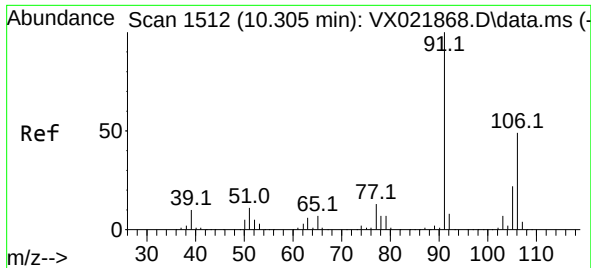
Tgt Ion:117 Resp: 187852
Ion Ratio Lower Upper
117 100
82 58.3 47.4 71.2
119 31.4 26.6 39.8



#67
Ethyl Benzene
Concen: 0.49 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

Tgt Ion: 91 Resp: 3949
Ion Ratio Lower Upper
91 100
106 36.2 24.6 37.0

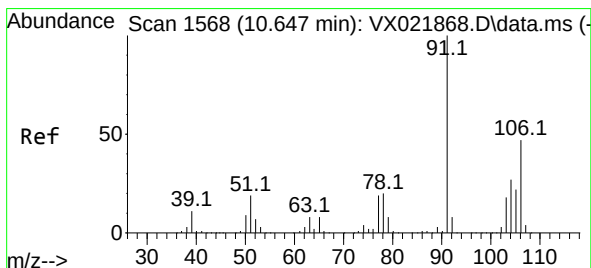
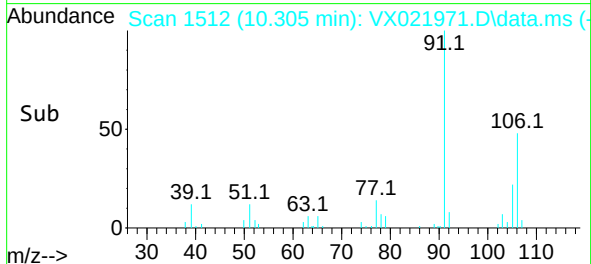
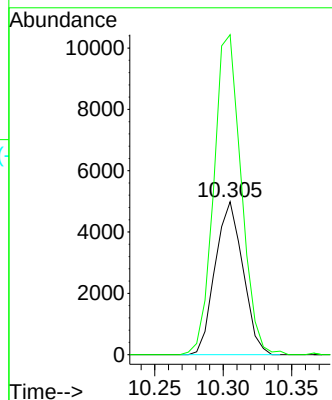
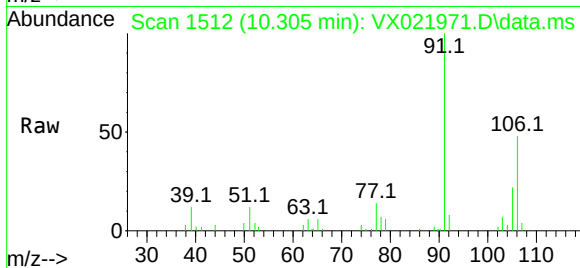




#68
m/p-Xylenes
Concen: 2.29 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

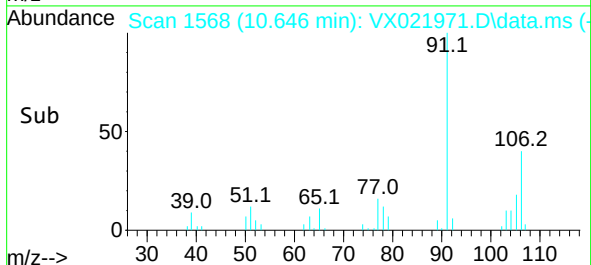
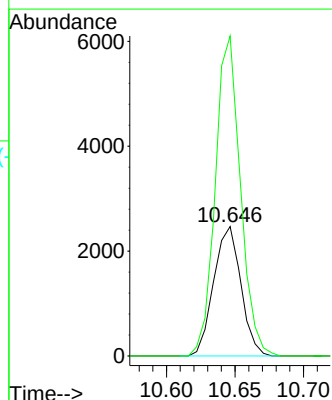
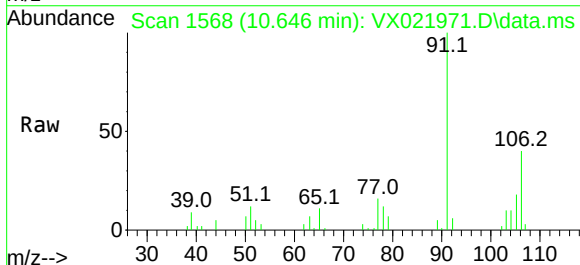
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-05122021

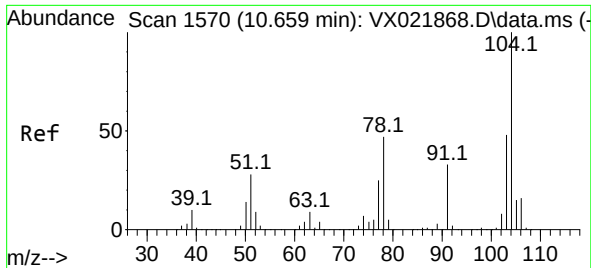
Tgt Ion:106 Resp: 7024
Ion Ratio Lower Upper
106 100
91 206.9 162.8 244.2



#69
o-Xylene
Concen: 1.11 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. -0.001 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

Tgt Ion:106 Resp: 3406
Ion Ratio Lower Upper
106 100
91 228.5 108.1 324.2

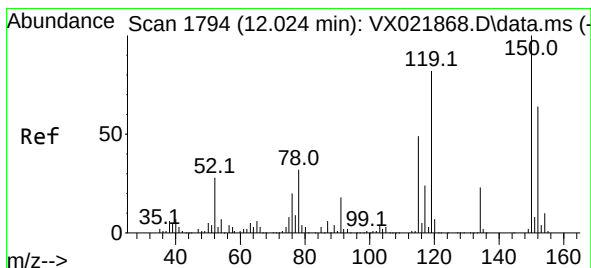
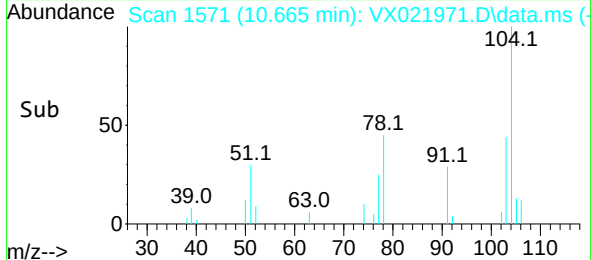
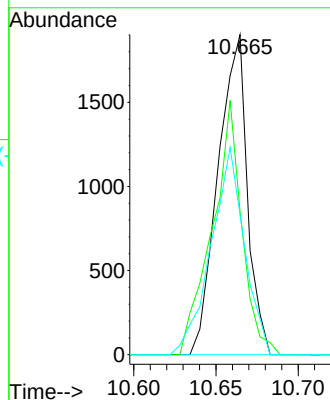
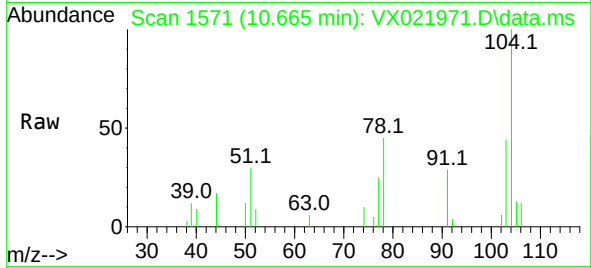




#70
Styrene
Concen: 0.46 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

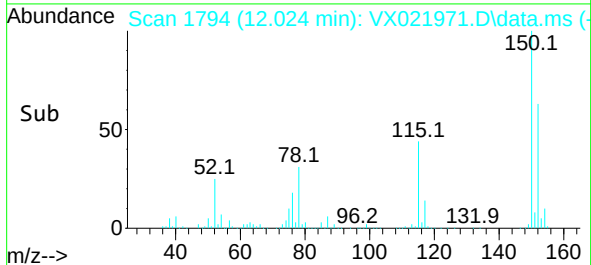
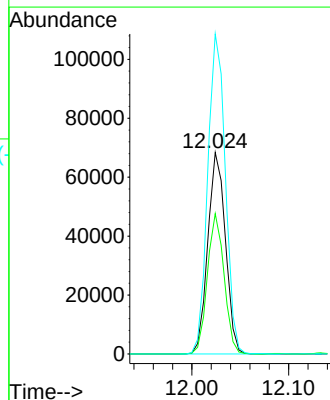
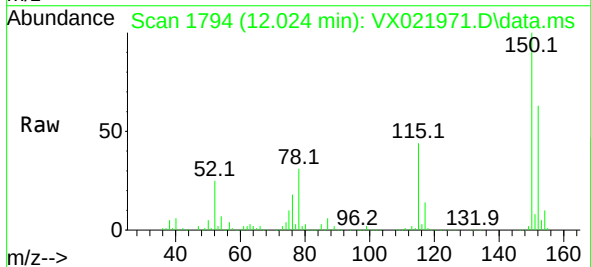
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-05122021

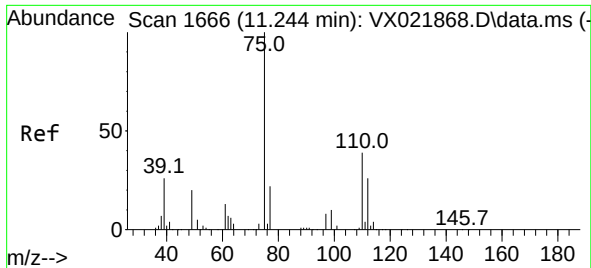
Tgt Ion:104 Resp: 2354
Ion Ratio Lower Upper
104 100
78 80.5 40.0 60.0#
103 73.7 43.4 65.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

Tgt Ion:152 Resp: 86653
Ion Ratio Lower Upper
152 100
115 66.1 41.1 123.3
150 158.7 0.0 349.0

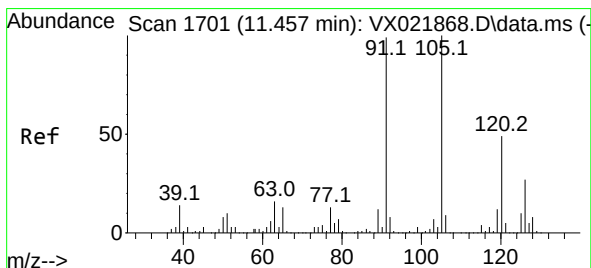
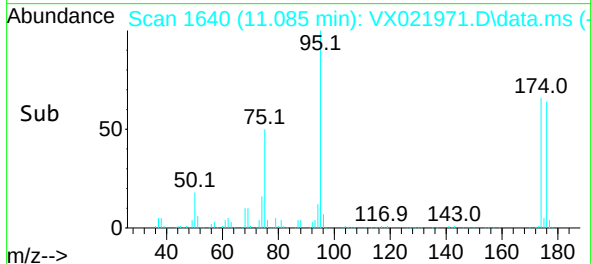
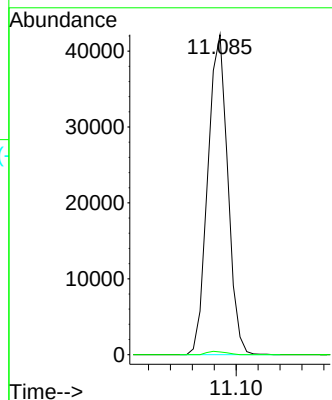
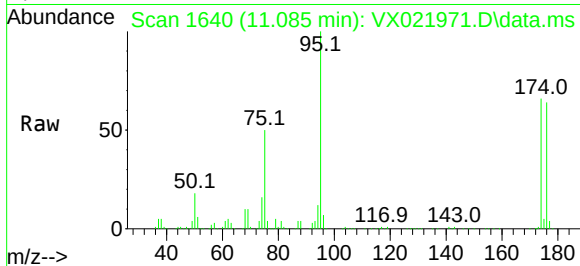




#76
1,2,3-Trichloropropane
Concen: 21.65 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

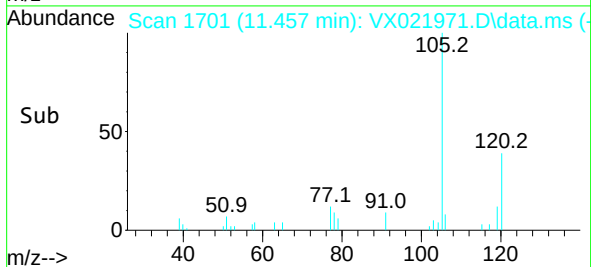
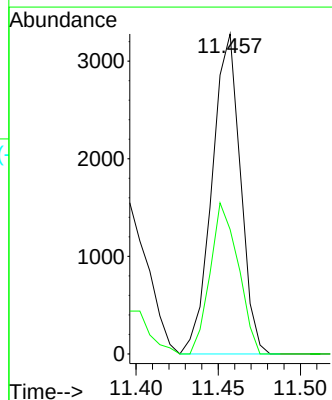
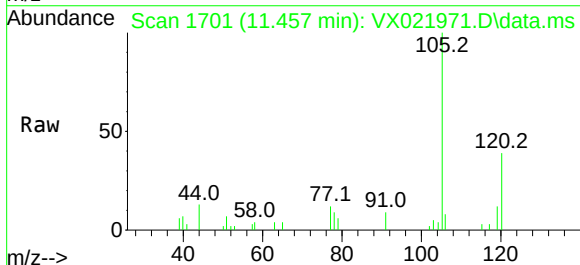
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-05122021

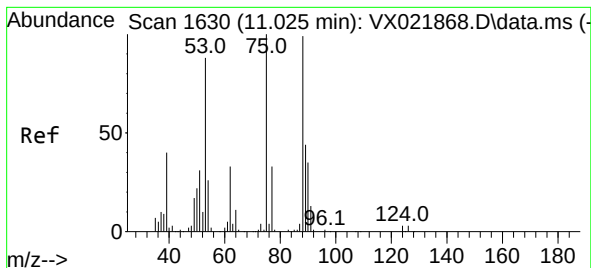
Tgt Ion: 75 Resp: 53348
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.59 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

Tgt Ion:105 Resp: 3947
Ion Ratio Lower Upper
105 100
120 46.5 23.8 71.5

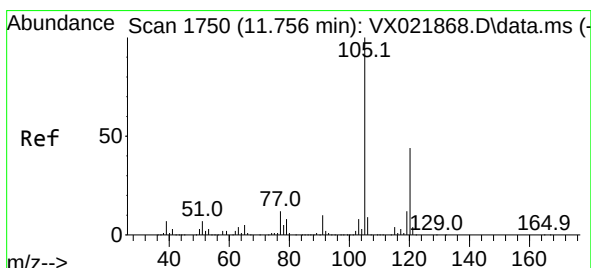
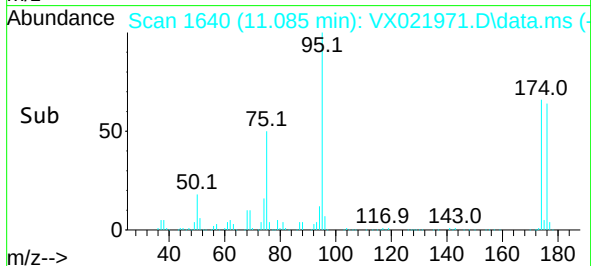
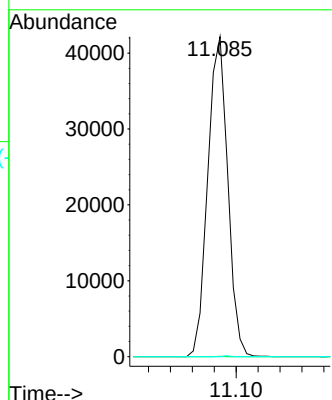
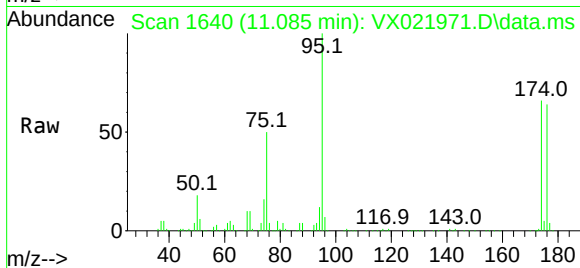




#81
trans-1,4-Dichloro-2-butene
Concen: 50.23 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

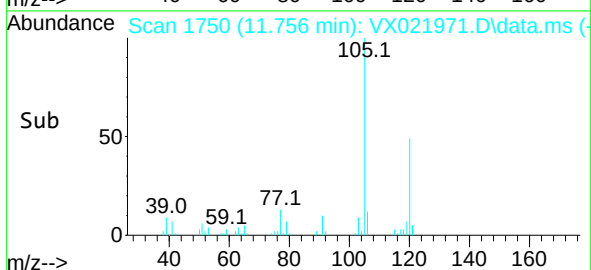
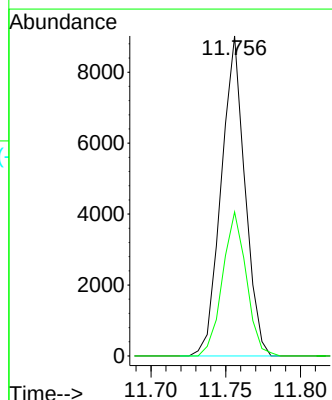
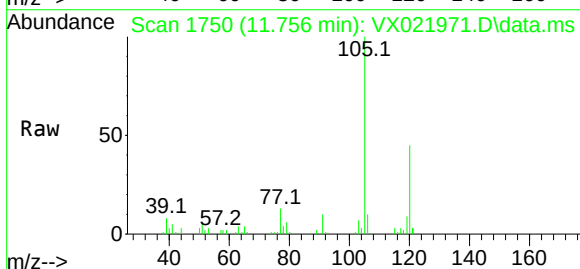
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-05122021

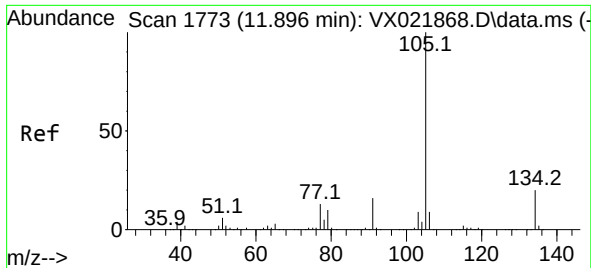
Tgt Ion: 75 Resp: 53348
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.47 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

Tgt Ion: 105 Resp: 9907
Ion Ratio Lower Upper
105 100
120 45.2 22.4 67.3

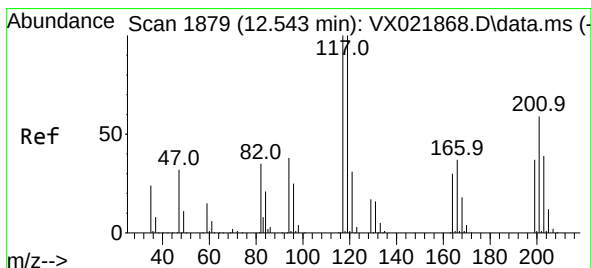
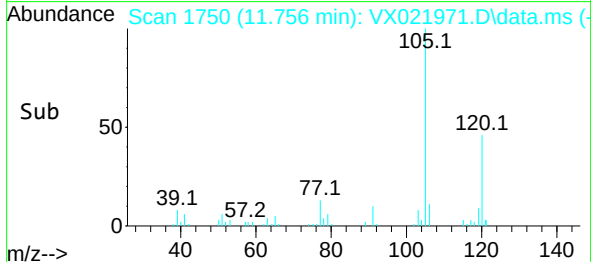
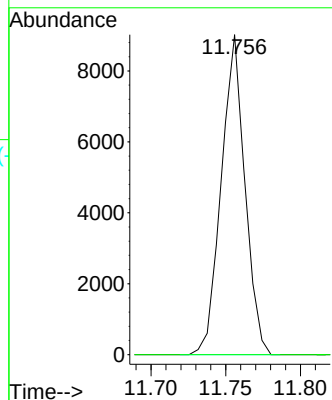
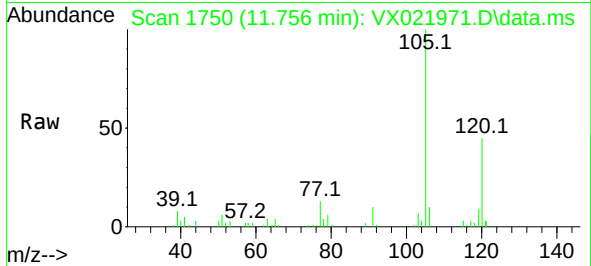




#85
 sec-Butylbenzene
 Concen: 1.24 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. -0.140 min
 Lab File: VX021971.D
 Acq: 13 May 2021 16:43

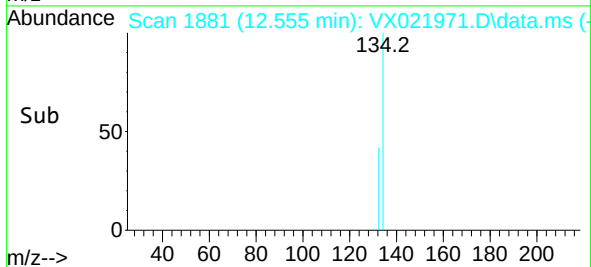
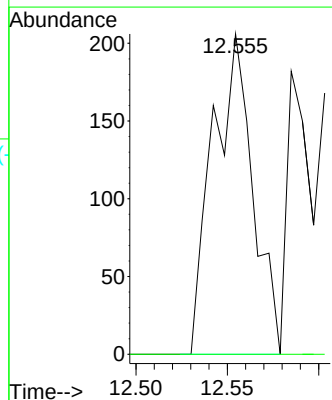
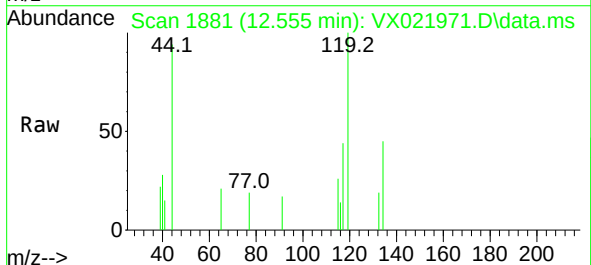
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-02-05122021

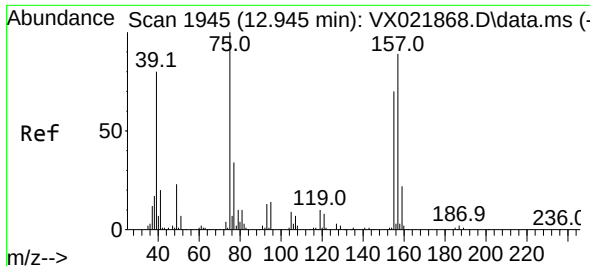
Tgt Ion:105 Resp: 9907
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 29.8#



#90
 Hexachloroethane
 Concen: 0.25 ug/l
 RT: 12.555 min Scan# 1881
 Delta R.T. 0.012 min
 Lab File: VX021971.D
 Acq: 13 May 2021 16:43

Tgt Ion:117 Resp: 314
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.4 121.2#

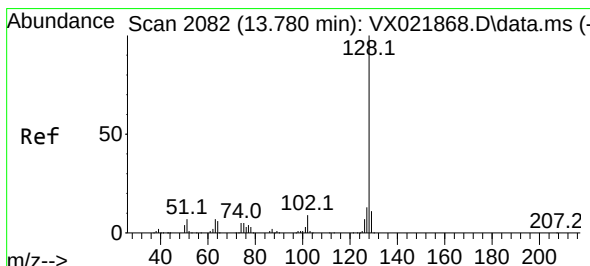
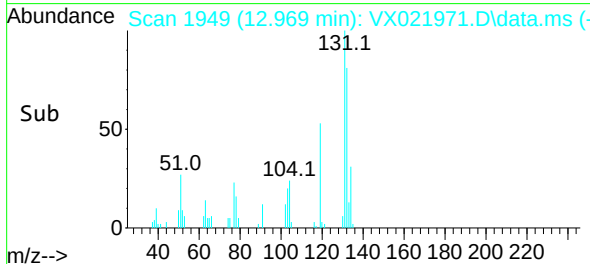
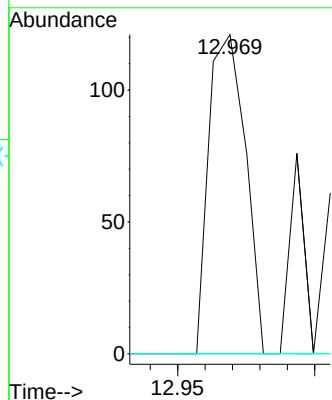
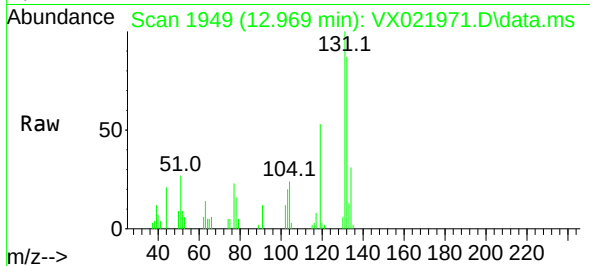




#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 12.969 min Scan# 1949
Delta R.T. 0.024 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

Instrument :
MSVOA_X
ClientSampleId :
DUP-02-05122021

Tgt Ion: 75 Resp: 113
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 0.0 57.7 173.1#



#95
Naphthalene
Concen: 172.40 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX021971.D
Acq: 13 May 2021 16:43

Tgt Ion:128 Resp: 1339151
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.9 8.8 13.2

