

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023694.D
 Acq On : 13 Aug 2021 16:37
 Operator : JC/MD
 Sample : PB138358ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:27:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

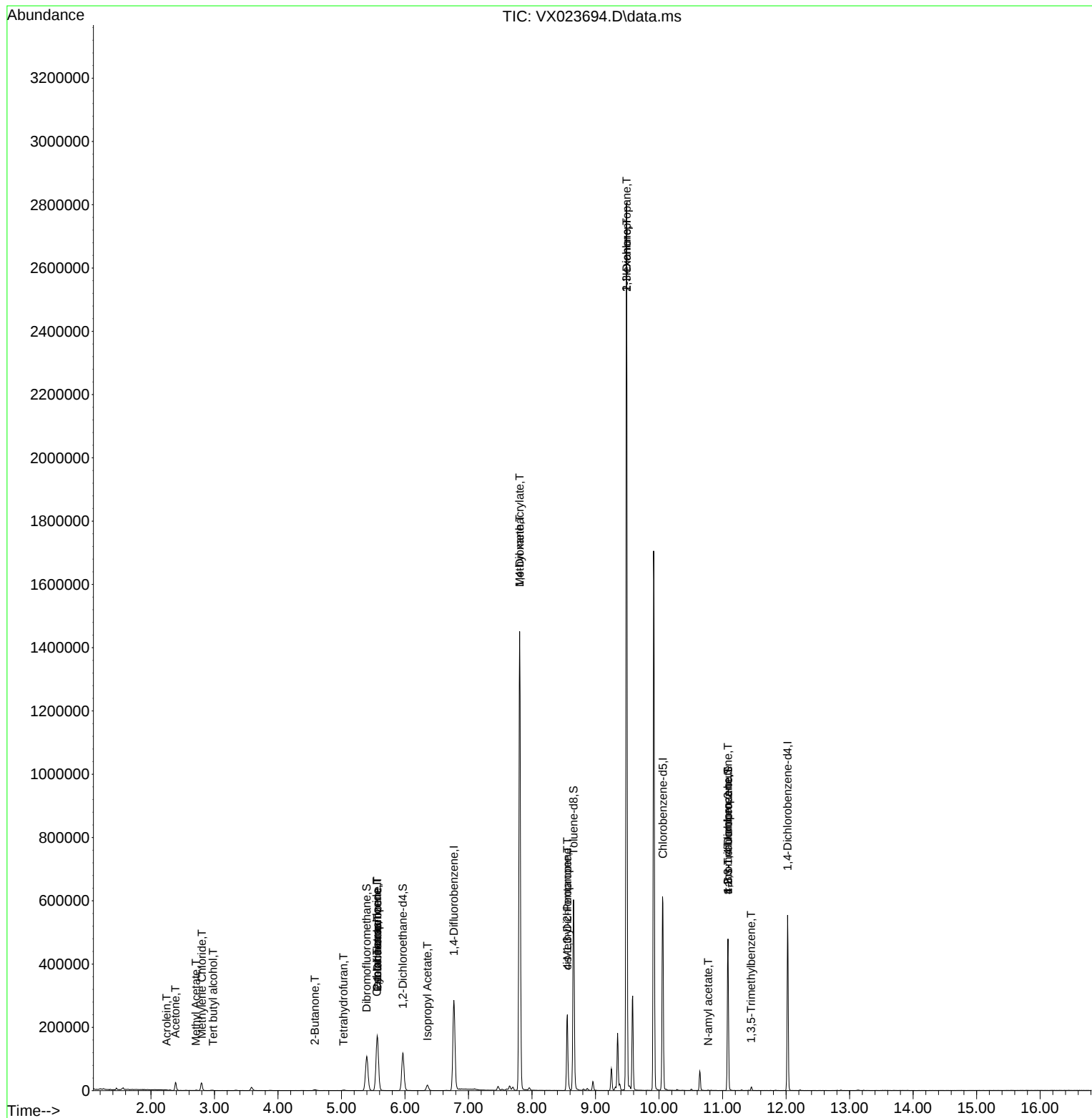
Internal Standards						
1) Pentafluorobenzene	5.562	168	161248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	280577	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	269461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109465	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	114827	57.087	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.180%			
35) Dibromofluoromethane	5.397	113	90506	51.591	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.180%			
50) Toluene-d8	8.653	98	350067	54.313	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.620%			
62) 4-Bromofluorobenzene	11.085	95	118819	54.214	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.420%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.977	59	492	1.071	ug/l #	73
13) Acrolein	2.245	56	54	1.594	ug/l #	14
16) Acetone	2.385	43	26666	27.026	ug/l	92
18) Methyl Acetate	2.708	43	2028	0.865	ug/l #	78
20) Methylene Chloride	2.800	84	11112	5.790	ug/l	91
25) 2-Butanone	4.580	43	4569	2.983	ug/l	90
29) Tetrahydrofuran	5.031	42	1419	1.413	ug/l #	88
31) Cyclohexane	5.562	56	3751	1.259	ug/l #	6
36) 1,1-Dichloropropene	5.562	75	13195	5.199	ug/l #	49
38) Carbon Tetrachloride	5.556	117	17275	6.693	ug/l #	16
43) Isopropyl Acetate	6.354	43	23786	4.797	ug/l #	91
48) Methyl methacrylate	7.805	41	131701	57.346	ug/l #	38
49) 1,4-Dioxane	7.805	88	157	3.210	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	85363	28.144	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	35542	11.716	ug/l #	71
57) 1,3-Dichloropropane	9.488	76	23180	7.226	ug/l #	42
59) 2-Hexanone	9.488	43	337285	146.439	ug/l #	42
74) N-amyl acetate	10.774	43	780	0.207	ug/l #	42
76) 1,2,3-Trichloropropane	11.085	75	65379	27.141	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	4996	0.743	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.085	75	65379	72.979	ug/l #	12

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
Data File : VX023694.D
Acq On : 13 Aug 2021 16:37
Operator : JC/MD
Sample : PB138358ZHE#11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Aug 14 05:27:14 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 23 06:05:38 2021
Response via : Initial Calibration

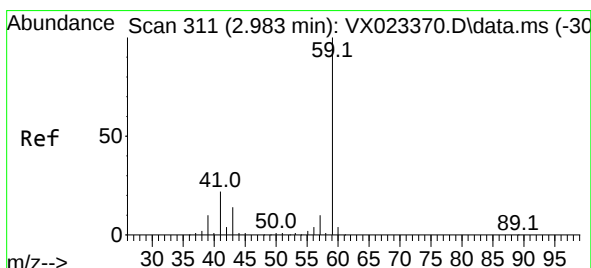
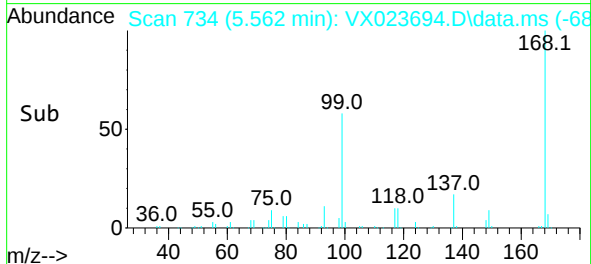
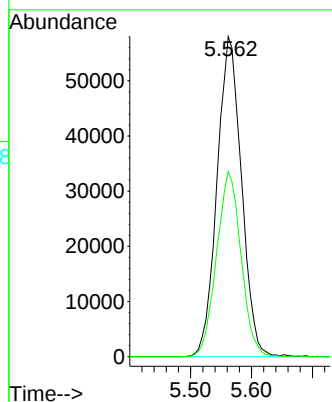
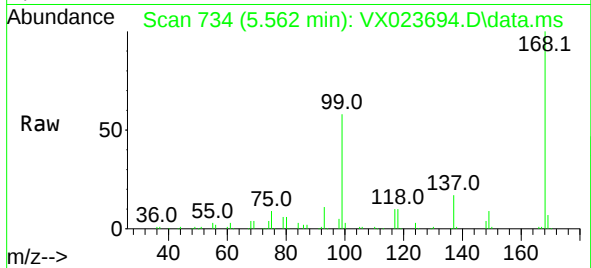




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023694.D
Acq: 13 Aug 2021 16:37

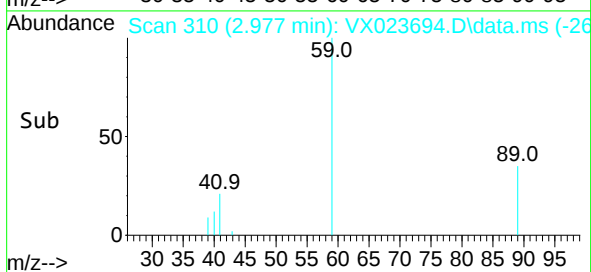
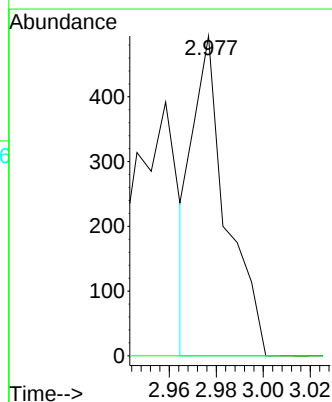
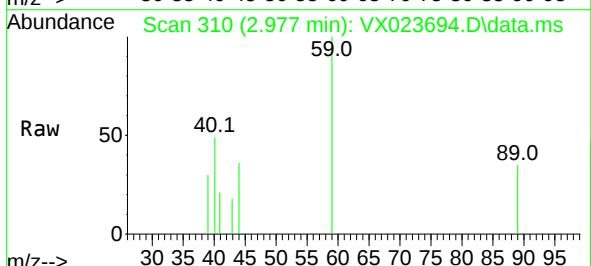
Instrument :
MSVOA_X
ClientSampleId :

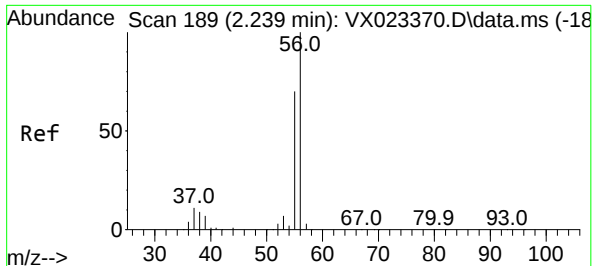
Tgt Ion:168 Resp: 161248
Ion Ratio Lower Upper
168 100
99 57.9 45.8 68.6



#11
Tert butyl alcohol
Concen: 1.071 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023694.D
Acq: 13 Aug 2021 16:37

Tgt Ion: 59 Resp: 492
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

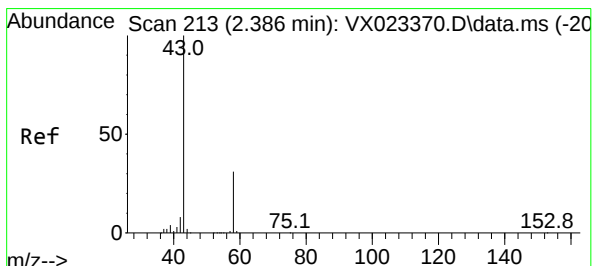
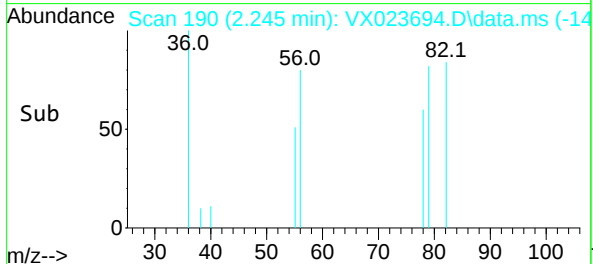
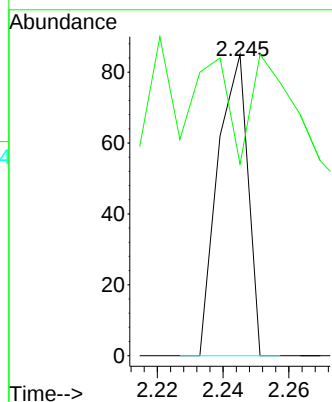
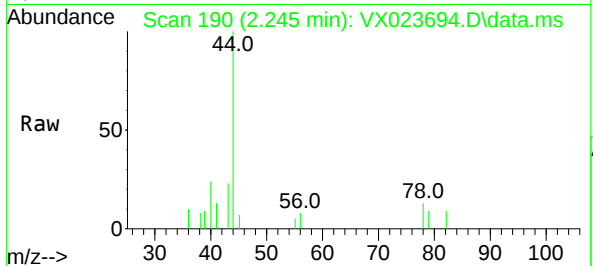




#13
Acrolein
Concen: 1.594 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX023694.D
Acq: 13 Aug 2021 16:37

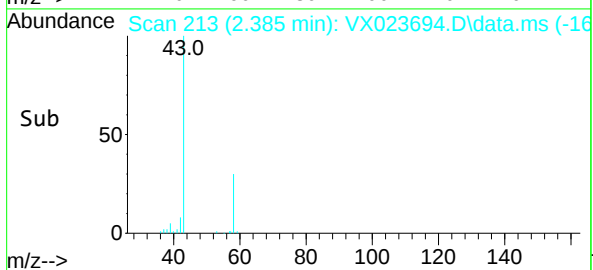
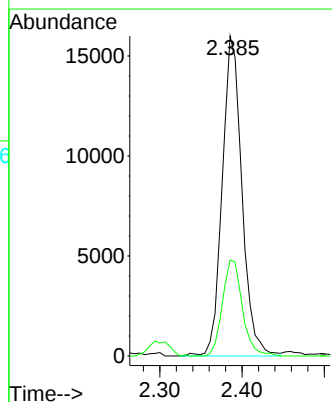
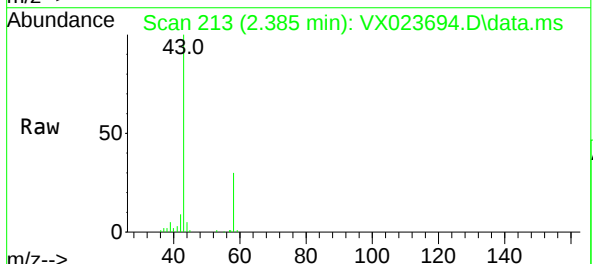
Instrument :
MSVOA_X
ClientSampled :

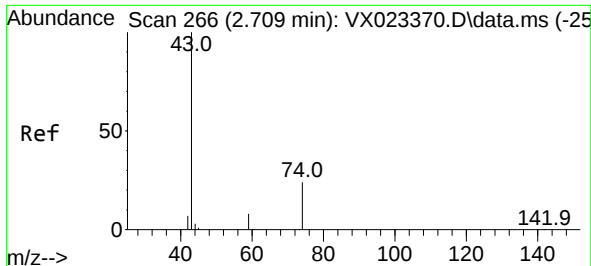
Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 27.026 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.001 min
Lab File: VX023694.D
Acq: 13 Aug 2021 16:37

Tgt Ion: 43 Resp: 26666
Ion Ratio Lower Upper
43 100
58 30.0 27.8 41.8

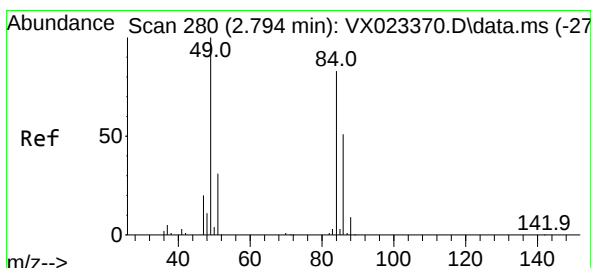
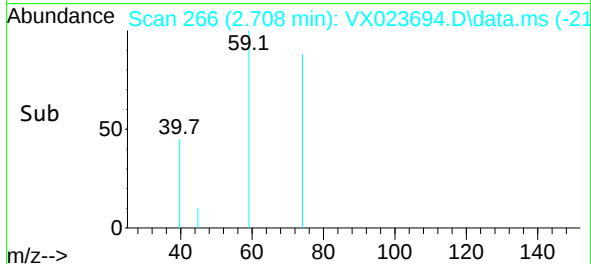
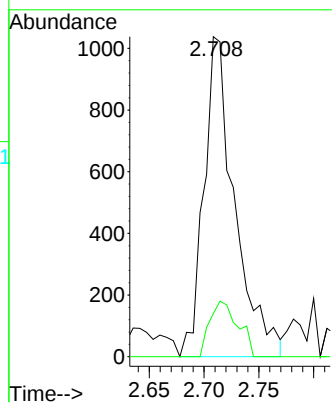
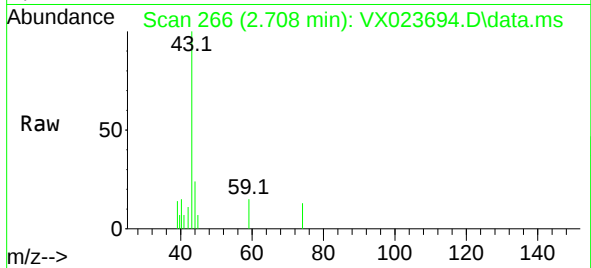




#18
Methyl Acetate
Concen: 0.865 ug/l
RT: 2.708 min Scan# 266
Delta R.T. -0.001 min
Lab File: VX023694.D
Acq: 13 Aug 2021 16:37

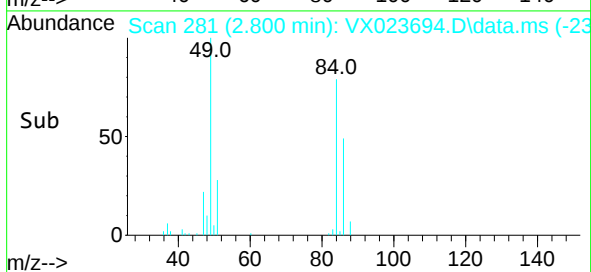
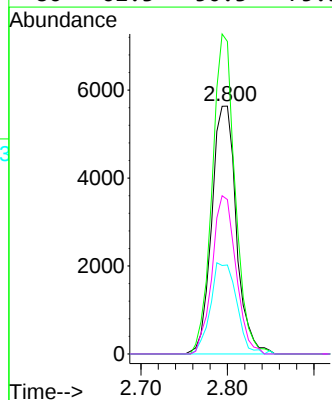
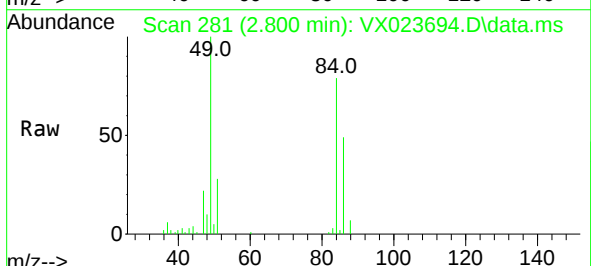
Instrument :
MSVOA_X
ClientSampled :

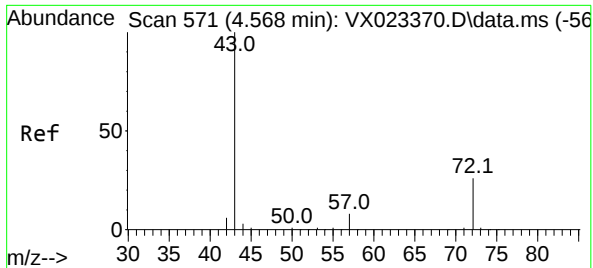
Tgt Ion: 43 Resp: 2028
Ion Ratio Lower Upper
43 100
74 15.9 21.9 32.9#



#20
Methylene Chloride
Concen: 5.790 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023694.D
Acq: 13 Aug 2021 16:37

Tgt Ion: 84 Resp: 11112
Ion Ratio Lower Upper
84 100
49 126.1 88.6 132.8
51 35.9 27.0 40.6
86 62.3 50.3 75.5

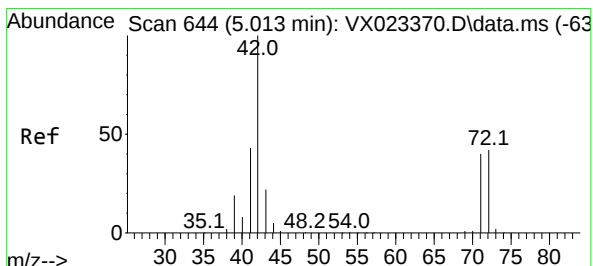
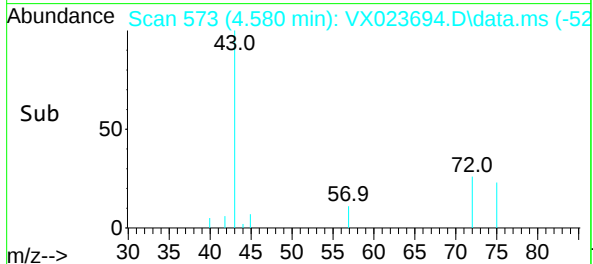
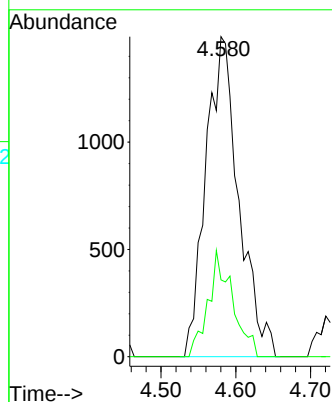
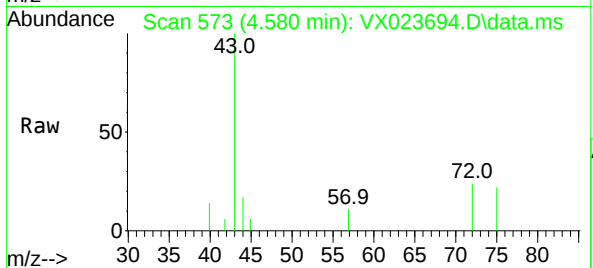




#25
2-Butanone
Concen: 2.983 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023694.D
Acq: 13 Aug 2021 16:37

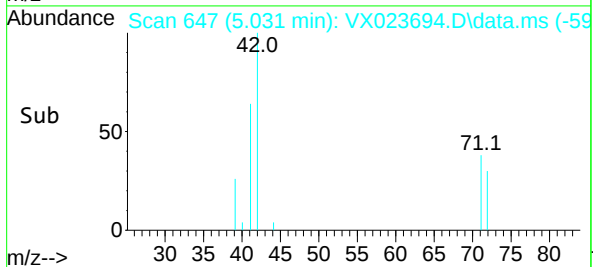
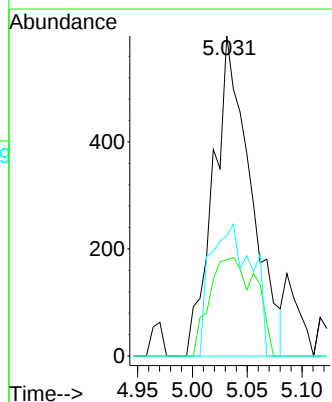
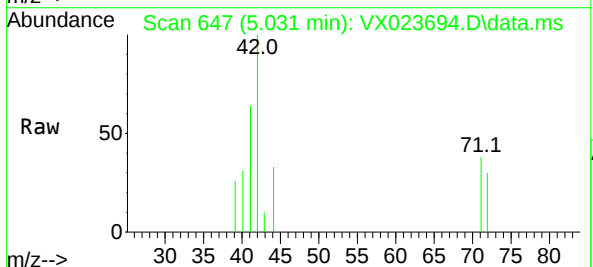
Instrument :
MSVOA_X
ClientSampled :

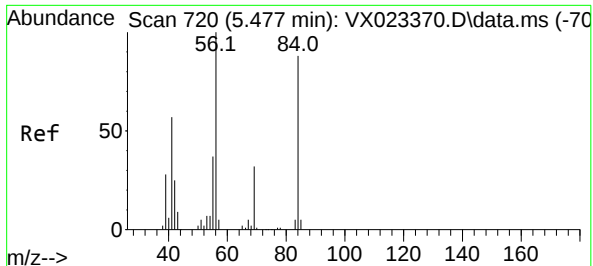
Tgt Ion: 43 Resp: 4569
Ion Ratio Lower Upper
43 100
72 24.0 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.413 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.018 min
Lab File: VX023694.D
Acq: 13 Aug 2021 16:37

Tgt Ion: 42 Resp: 1419
Ion Ratio Lower Upper
42 100
72 37.9 41.7 62.5#
71 45.5 38.4 57.6

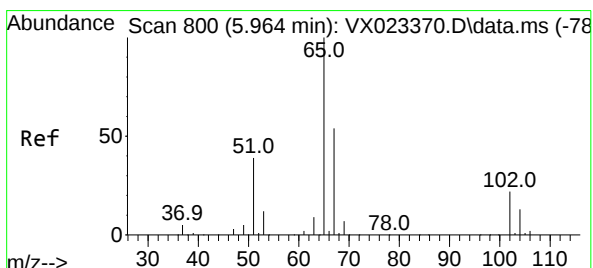
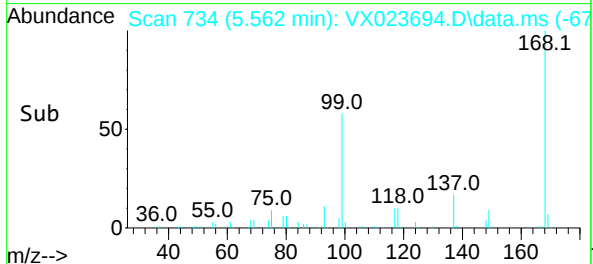
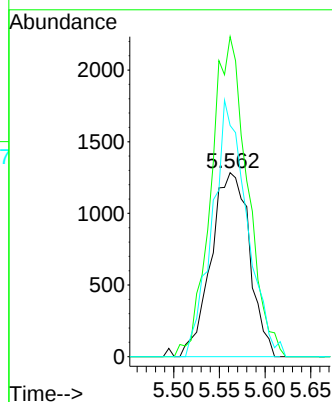
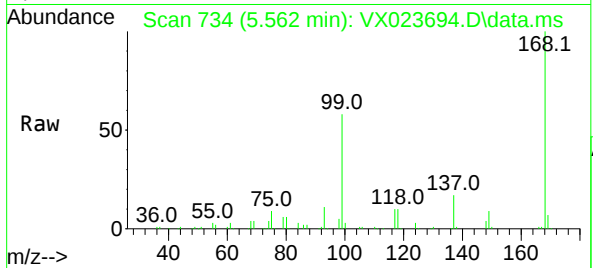




#31
Cyclohexane
Concen: 1.259 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023694.D
Acq: 13 Aug 2021 16:37

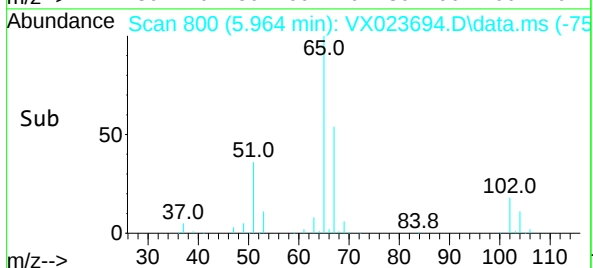
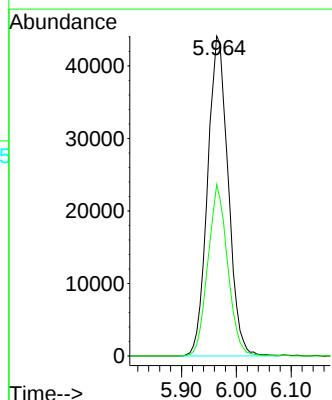
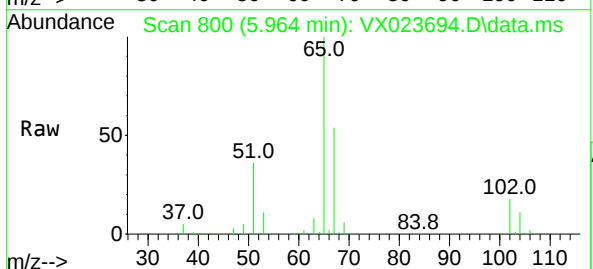
Instrument :
MSVOA_X
ClientSampled :

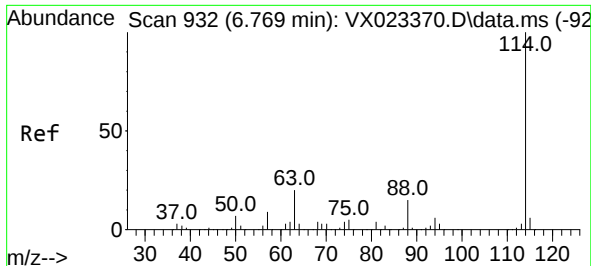
Tgt Ion: 56 Resp: 3751
Ion Ratio Lower Upper
56 100
69 169.9 25.3 37.9#
84 125.6 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 57.087 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX023694.D
Acq: 13 Aug 2021 16:37

Tgt Ion: 65 Resp: 114827
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.4

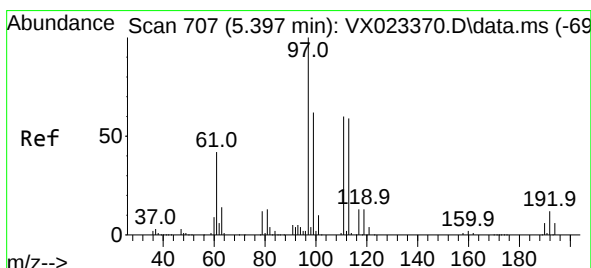
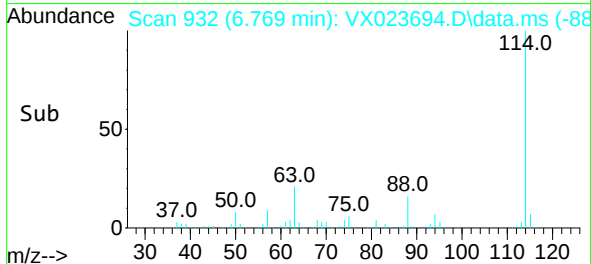
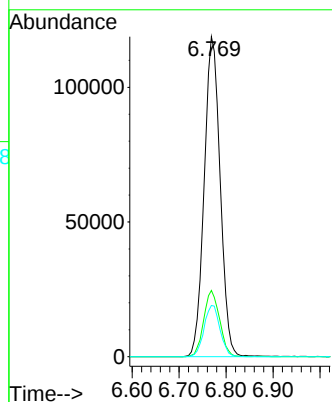
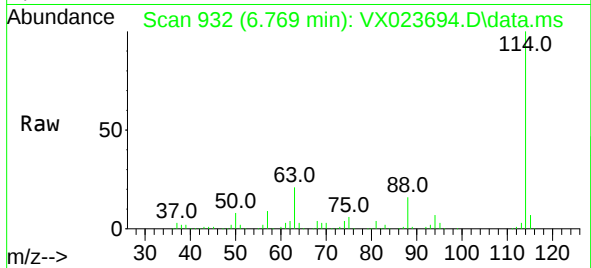




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023694.D
Acq: 13 Aug 2021 16:37

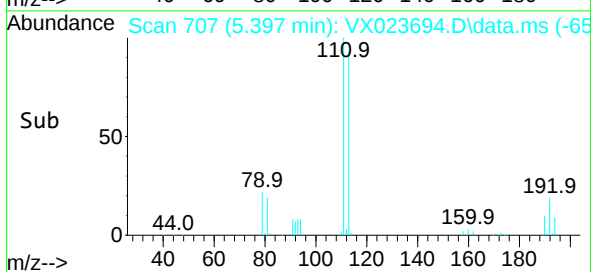
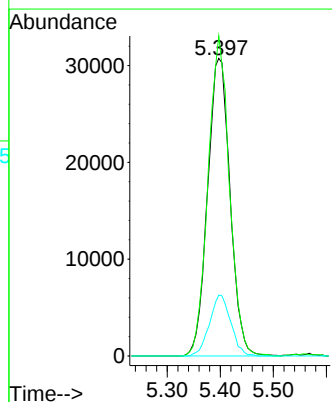
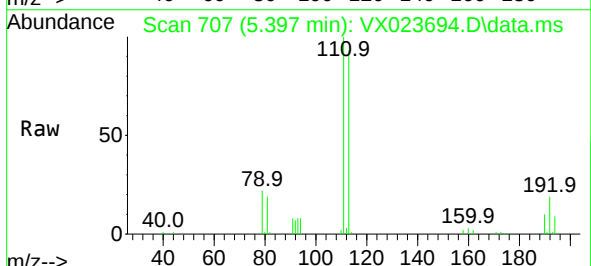
Instrument :
MSVOA_X
ClientSampleId :

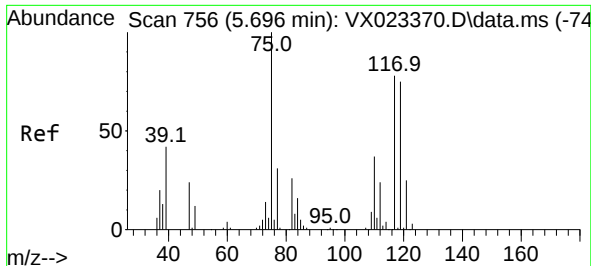
Tgt Ion:114 Resp: 280577
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 16.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.591 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023694.D
Acq: 13 Aug 2021 16:37

Tgt Ion:113 Resp: 90506
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 19.4 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.199 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX023694.D

Acq: 13 Aug 2021 16:37

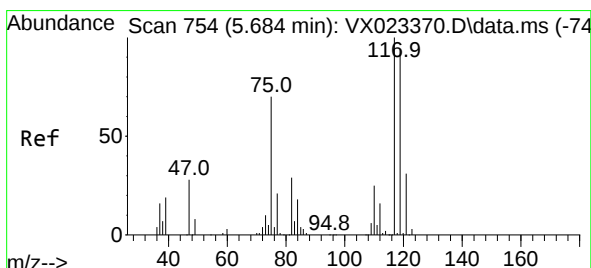
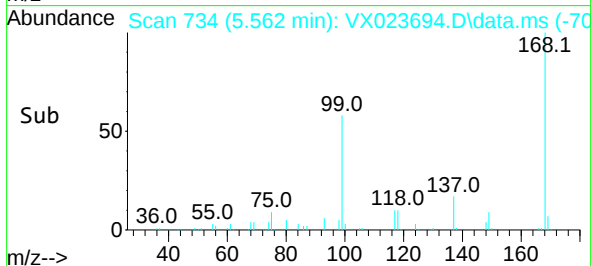
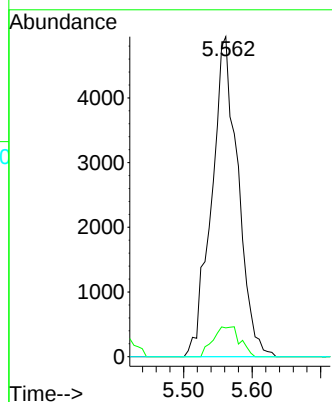
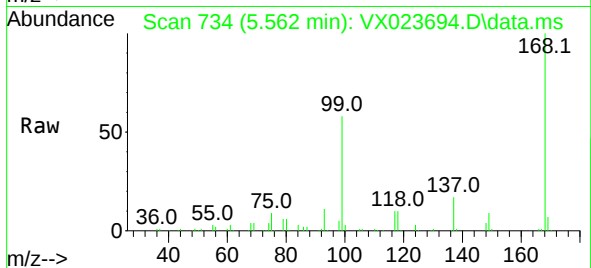
Tgt Ion: 75 Resp: 13195

Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.4#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.693 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX023694.D

Acq: 13 Aug 2021 16:37

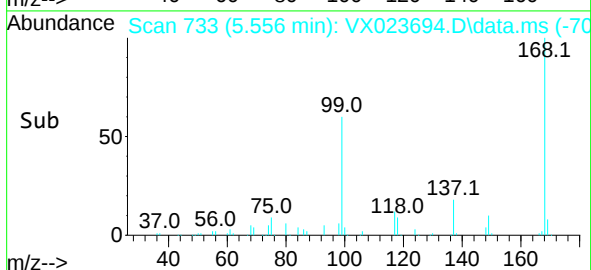
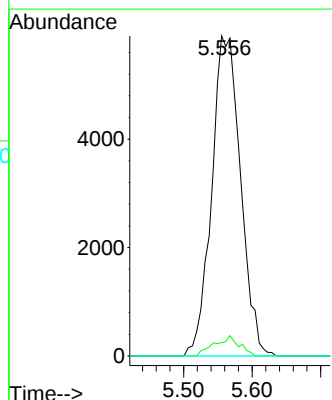
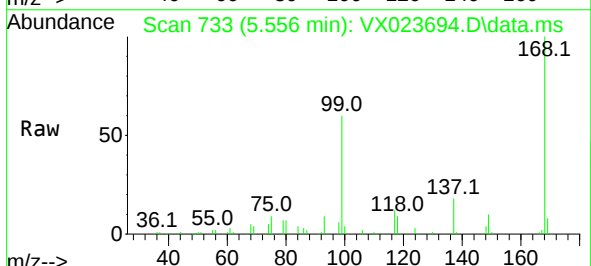
Tgt Ion: 117 Resp: 17275

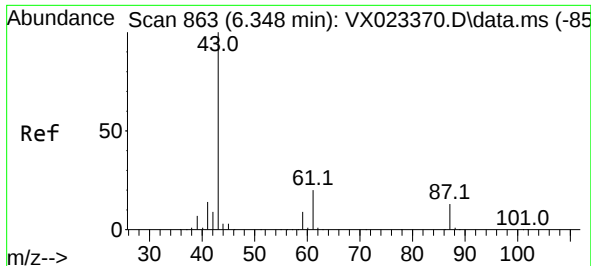
Ion Ratio Lower Upper

117 100

119 4.1 76.2 114.2#

121 0.0 24.8 37.2#

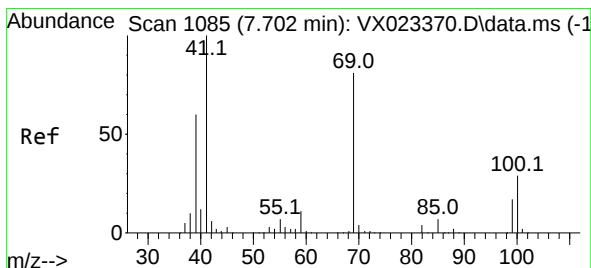
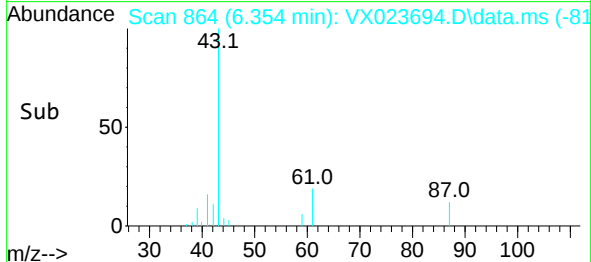
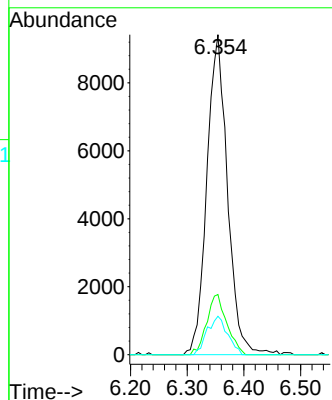
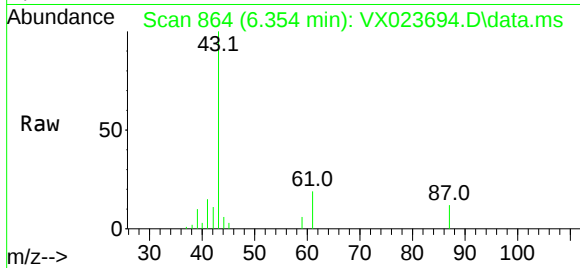




#43
Isopropyl Acetate
Concen: 4.797 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX023694.D
Acq: 13 Aug 2021 16:37

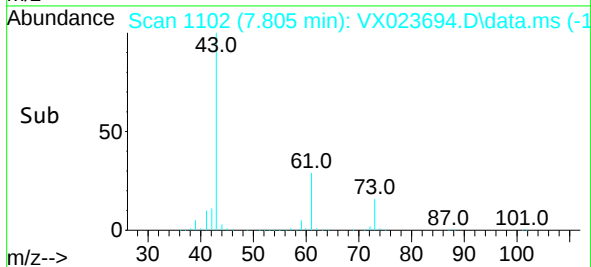
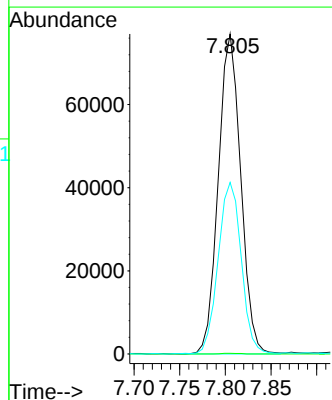
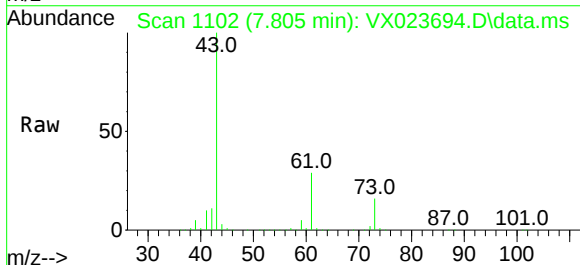
Instrument :
MSVOA_X
ClientSampled :

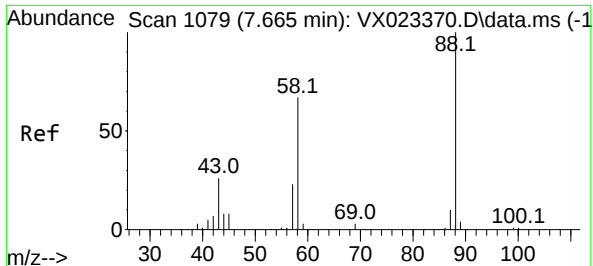
Tgt Ion:	43	Resp:	23786
Ion Ratio	Lower	Upper	
43	100		
61	18.3	18.2	27.4
87	11.8	12.5	18.7#



#48
Methyl methacrylate
Concen: 57.346 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX023694.D
Acq: 13 Aug 2021 16:37

Tgt Ion:	41	Resp:	131701
Ion Ratio	Lower	Upper	
41	100		
69	0.2	76.0	114.0#
39	55.3	44.6	67.0

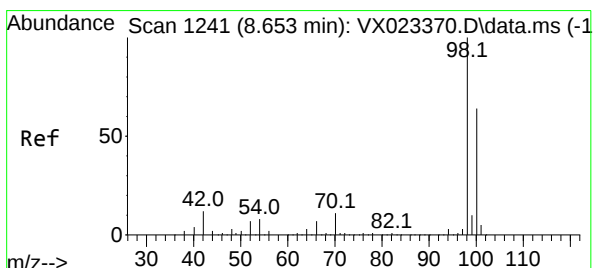
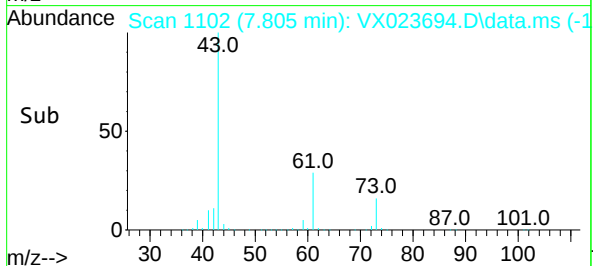
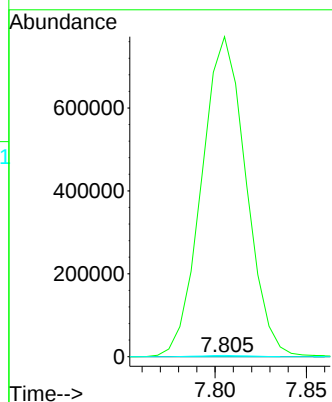
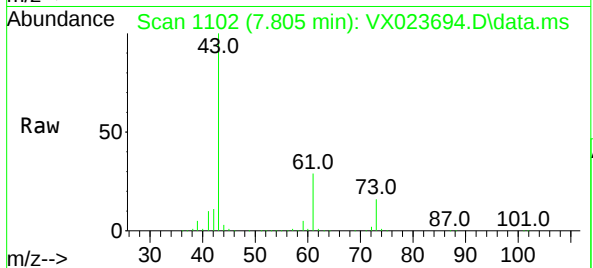




#49
1,4-Dioxane
Concen: 3.210 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX023694.D
Acq: 13 Aug 2021 16:37

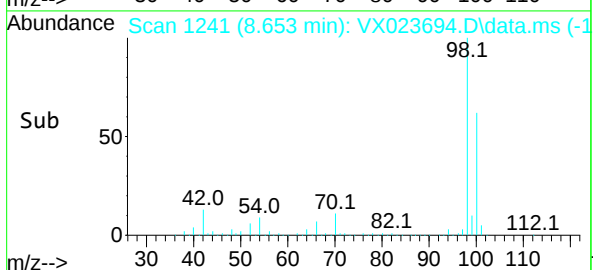
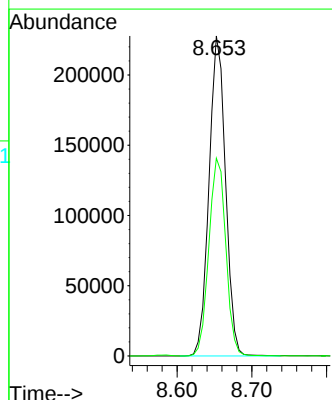
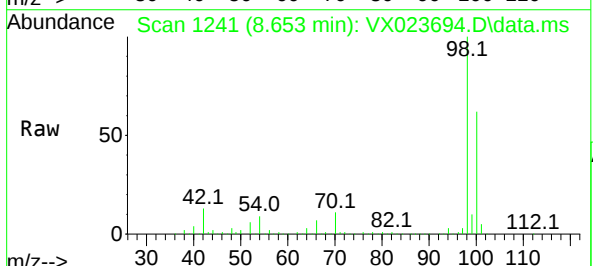
Instrument :
MSVOA_X
ClientSampled :

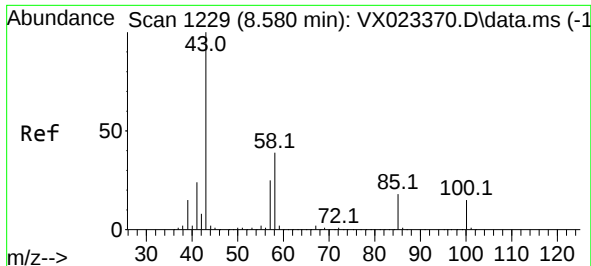
Tgt Ion: 88 Resp: 157
Ion Ratio Lower Upper
88 100
43 835173.9 23.2 34.8#
58 3529.3 55.0 82.4#



#50
Toluene-d8
Concen: 54.313 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023694.D
Acq: 13 Aug 2021 16:37

Tgt Ion: 98 Resp: 350067
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9

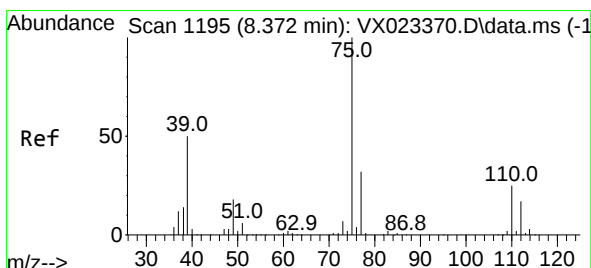
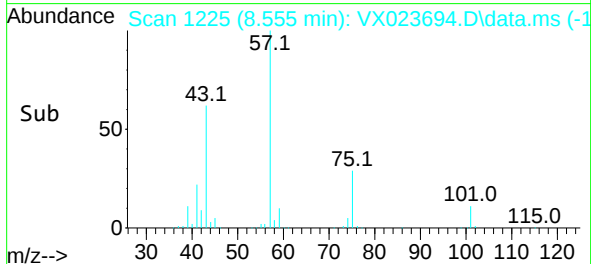
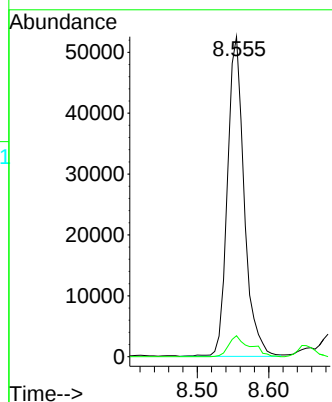
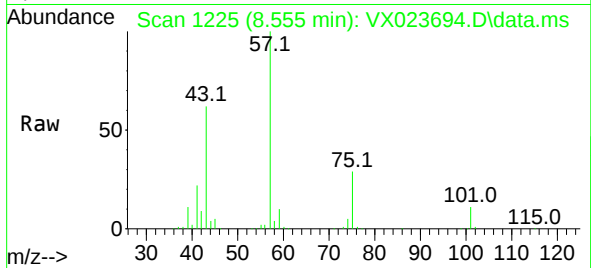




#51
4-Methyl-2-Pentanone
Concen: 28.144 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023694.D
Acq: 13 Aug 2021 16:37

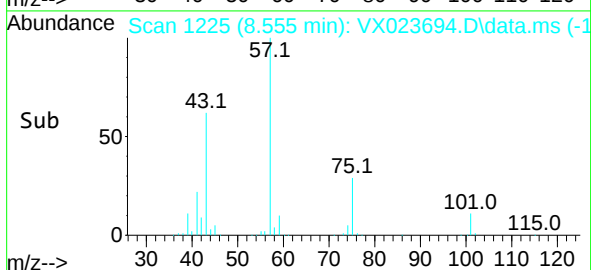
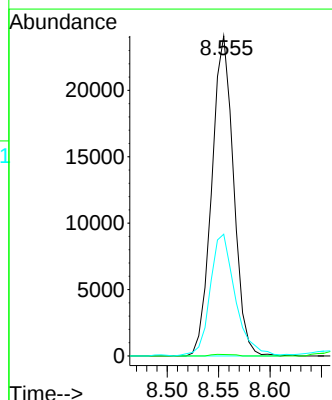
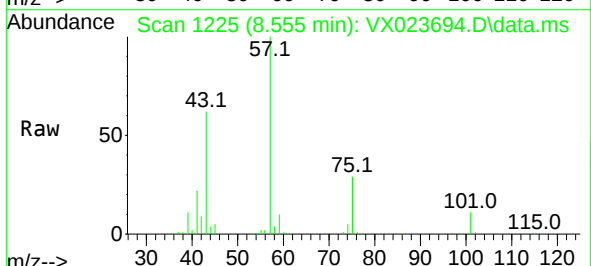
Instrument :
MSVOA_X
ClientSampled :

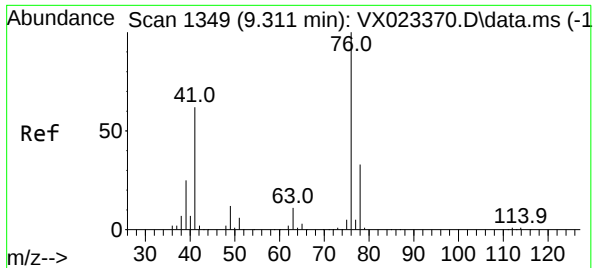
Tgt Ion: 43 Resp: 85363
Ion Ratio Lower Upper
43 100
58 8.4 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 11.716 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023694.D
Acq: 13 Aug 2021 16:37

Tgt Ion: 75 Resp: 35542
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 37.8 35.1 52.7



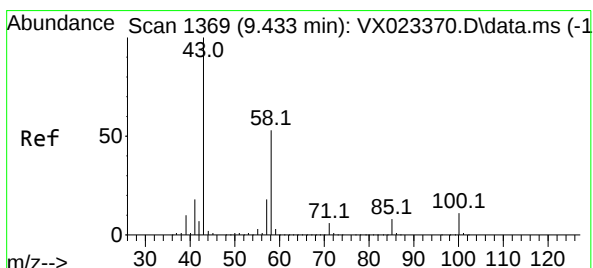
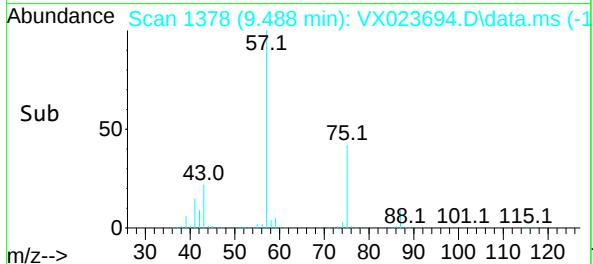
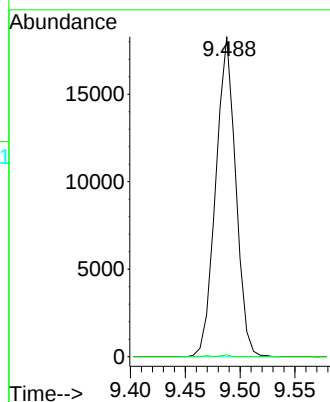
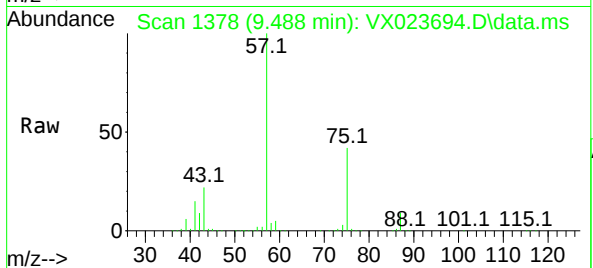


#57

1,3-Dichloropropane
Concen: 7.226 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023694.D
Acq: 13 Aug 2021 16:37

Instrument :
MSVOA_X
ClientSampled :

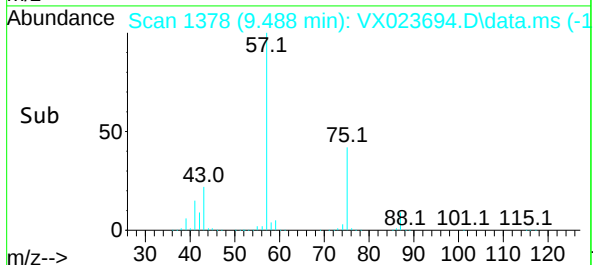
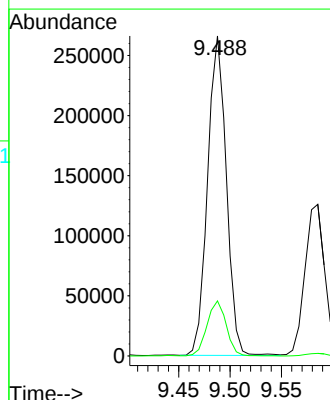
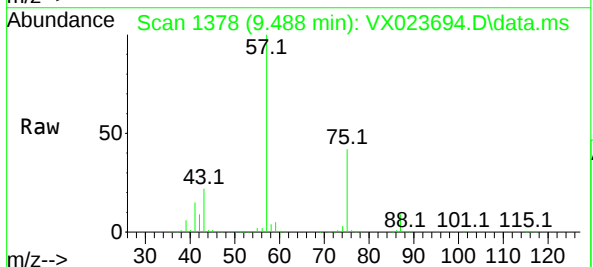
Tgt Ion: 76 Resp: 23180
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#

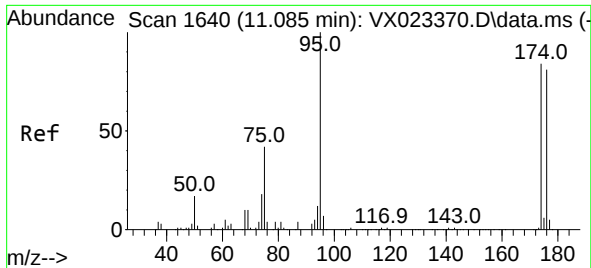


#59

2-Hexanone
Concen: 146.439 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023694.D
Acq: 13 Aug 2021 16:37

Tgt Ion: 43 Resp: 337285
Ion Ratio Lower Upper
43 100
58 17.7 30.9 92.8#

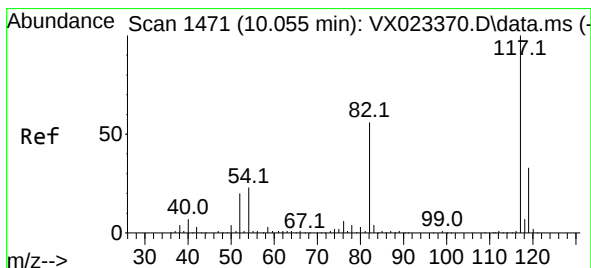
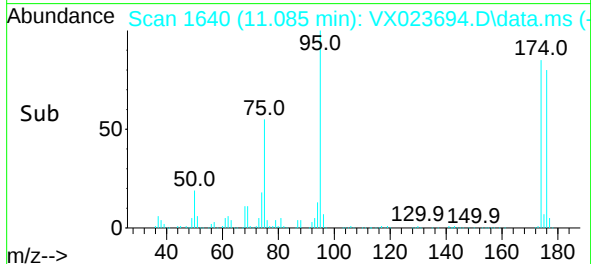
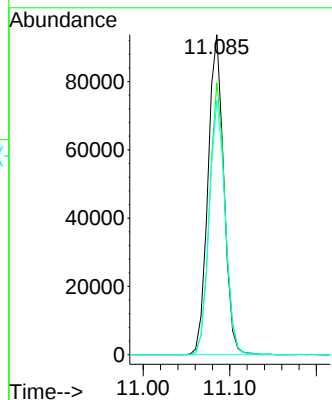
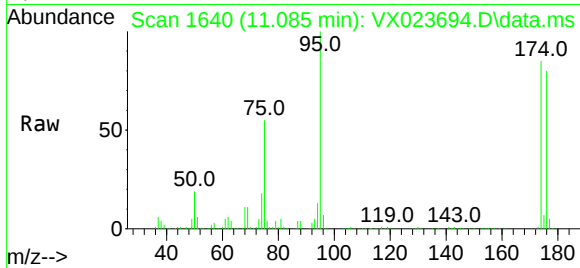




#62
4-Bromofluorobenzene
Concen: 54.214 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023694.D
Acq: 13 Aug 2021 16:37

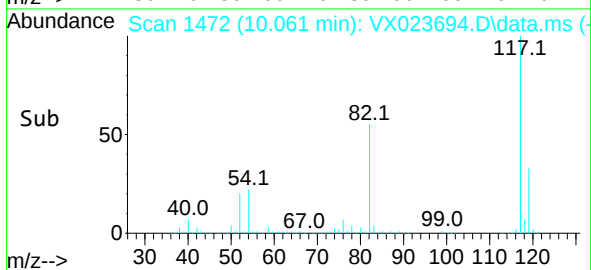
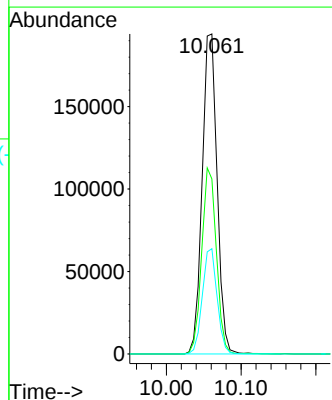
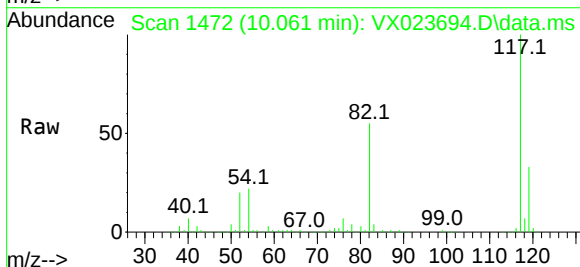
Instrument :
MSVOA_X
ClientSampled :

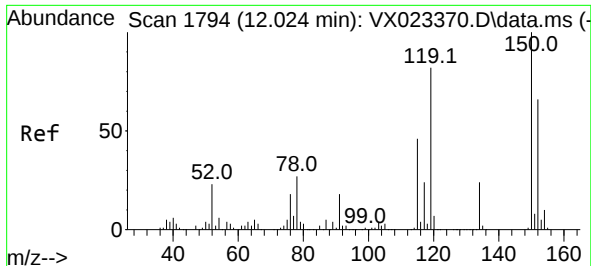
Tgt Ion: 95 Resp: 118819
Ion Ratio Lower Upper
95 100
174 83.4 0.0 154.6
176 80.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX023694.D
Acq: 13 Aug 2021 16:37

Tgt Ion: 117 Resp: 269461
Ion Ratio Lower Upper
117 100
82 54.7 47.4 71.2
119 32.9 26.6 39.8

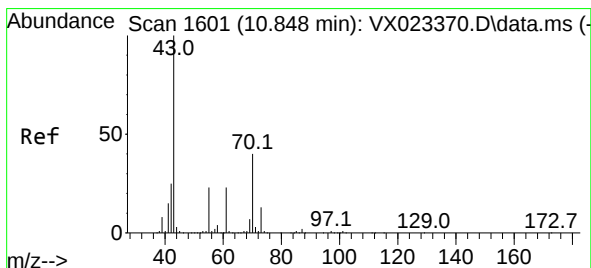
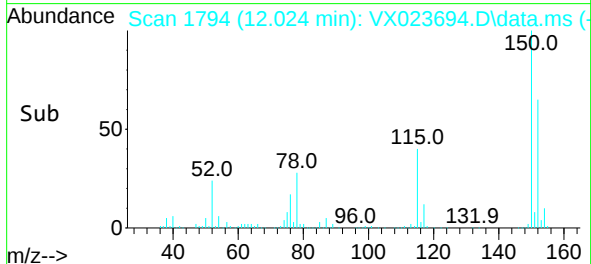
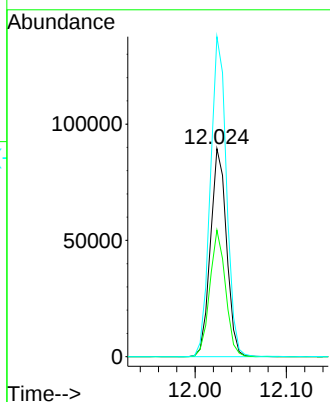
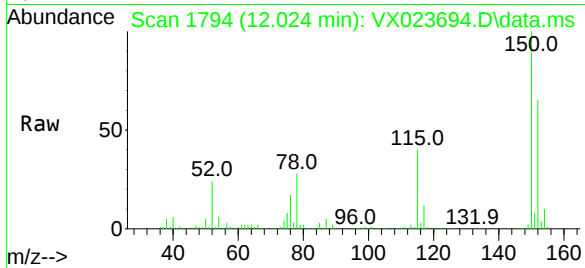




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. -0.000 min
 Lab File: VX023694.D
 Acq: 13 Aug 2021 16:37

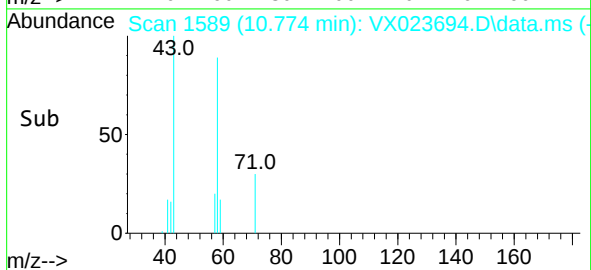
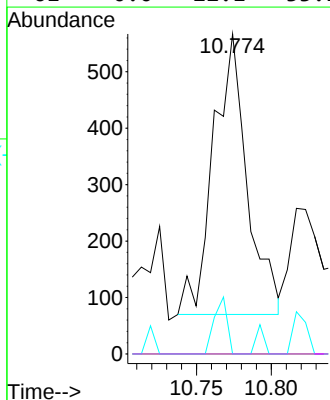
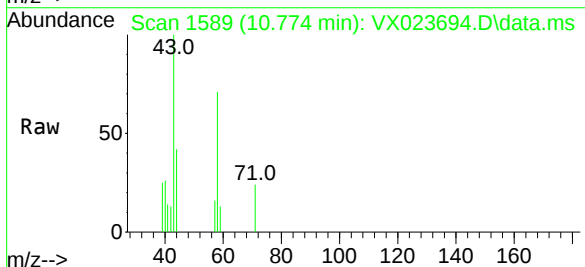
Instrument :
 MSVOA_X
 ClientSampled :

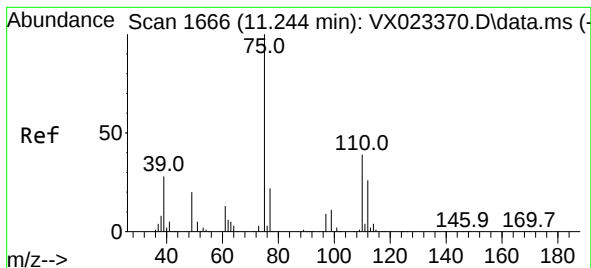
Tgt Ion:152 Resp: 109465
 Ion Ratio Lower Upper
 152 100
 115 59.4 41.1 123.3
 150 154.4 0.0 349.0



#74
 N-ethyl acetate
 Concen: 0.207 ug/l
 RT: 10.774 min Scan# 1589
 Delta R.T. -0.074 min
 Lab File: VX023694.D
 Acq: 13 Aug 2021 16:37

Tgt Ion: 43 Resp: 780
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.0 58.6#
 55 7.8 21.5 32.3#
 61 0.0 22.1 33.1#





#76

1,2,3-Trichloropropane

Concen: 27.141 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX023694.D

Acq: 13 Aug 2021 16:37

Tgt Ion: 75 Resp: 65379

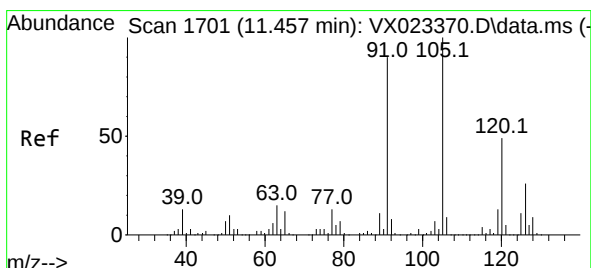
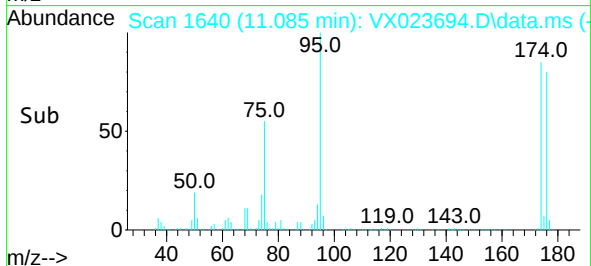
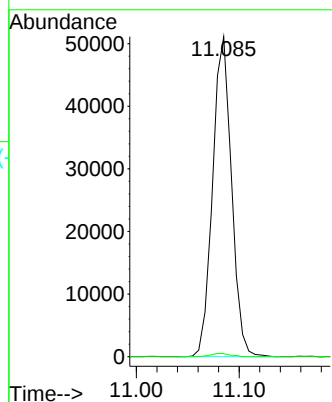
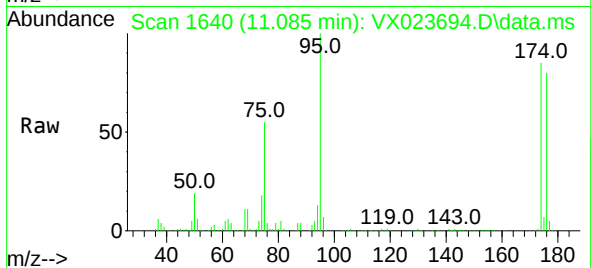
Ion Ratio Lower Upper

75 100
77 1.1 19.1 57.5#

Instrument :

MSVOA_X

ClientSampled :



#80

1,3,5-Trimethylbenzene

Concen: 0.743 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.006 min

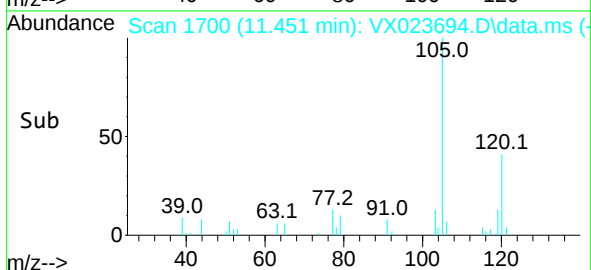
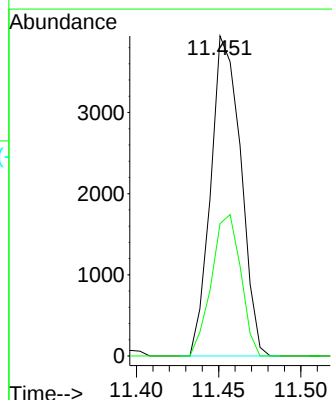
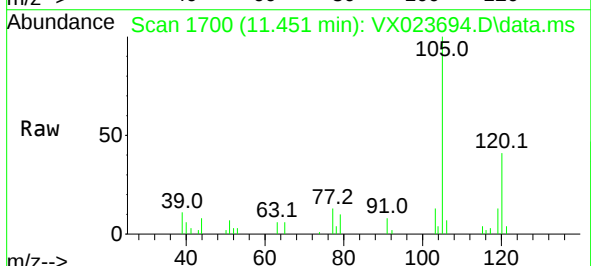
Lab File: VX023694.D

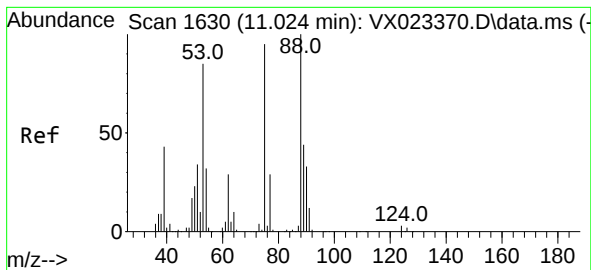
Acq: 13 Aug 2021 16:37

Tgt Ion: 105 Resp: 4996

Ion Ratio Lower Upper

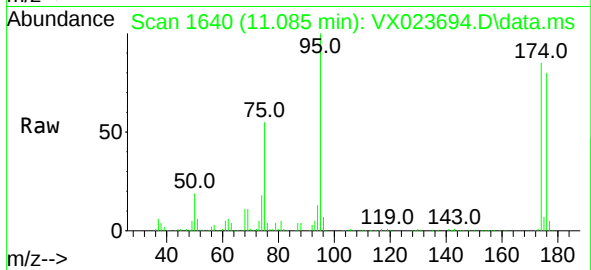
105 100
120 42.9 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.979 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023694.D
 Acq: 13 Aug 2021 16:37

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 65379
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

