

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023711.D
 Acq On : 14 Aug 2021 00:28
 Operator : JC/MD
 Sample : M3394-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:33:19 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

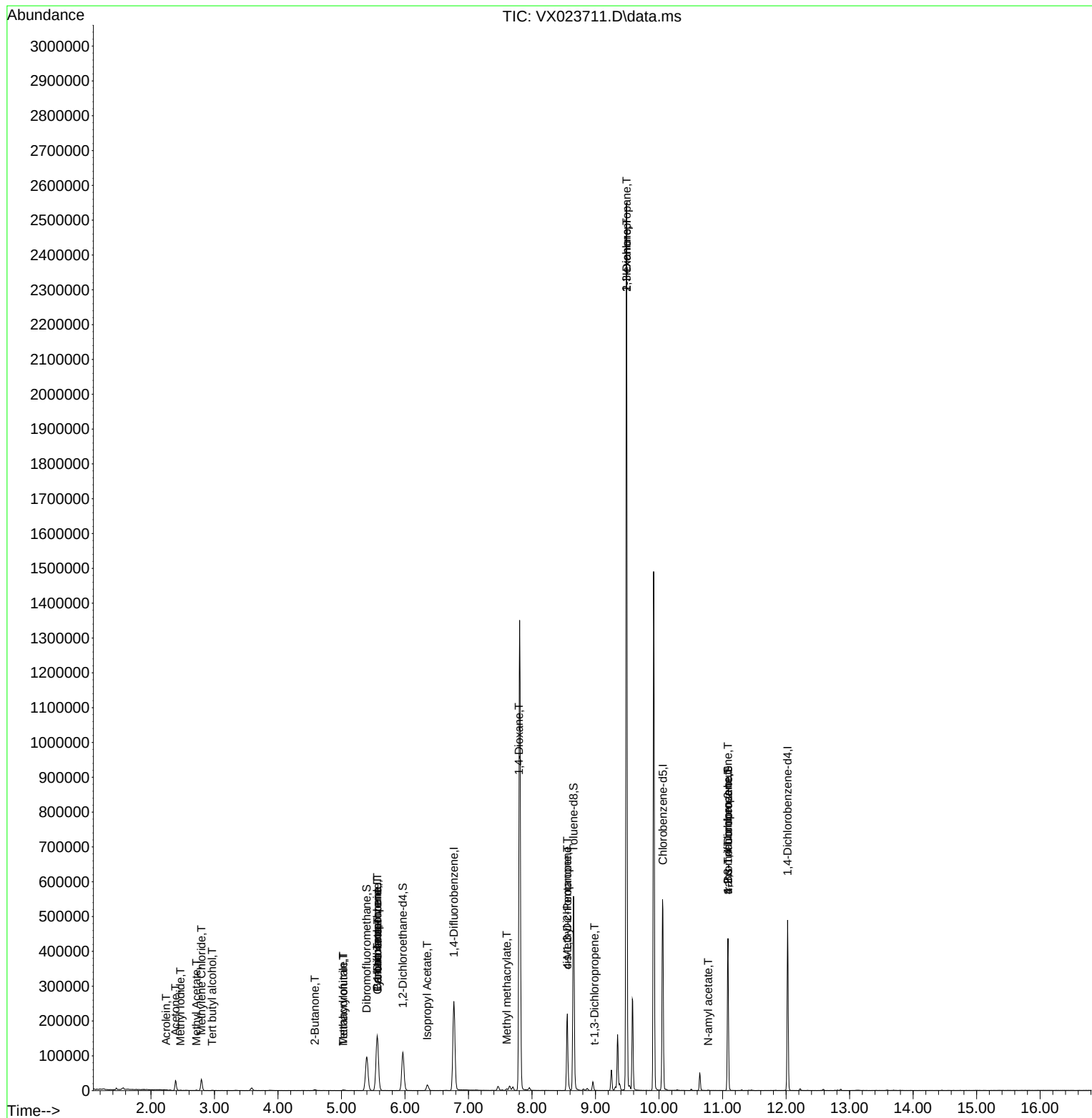
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	147971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	254078	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	243601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	105194	56.991	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 113.980%	
35) Dibromofluoromethane	5.397	113	82208	51.748	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.500%	
50) Toluene-d8	8.653	98	319109	54.674	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 109.340%	
62) 4-Bromofluorobenzene	11.085	95	104604	52.706	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.420%	
Target Compounds						Qvalue
10) Methyl Iodide	2.465	142	875	0.477	ug/l	92
11) Tert butyl alcohol	2.965	59	795	1.885	ug/l #	89
13) Acrolein	2.239	56	48	1.586	ug/l #	83
16) Acetone	2.386	43	29203	32.253	ug/l	92
18) Methyl Acetate	2.715	43	1666	0.774	ug/l #	78
20) Methylene Chloride	2.794	84	13255	7.526	ug/l #	84
25) 2-Butanone	4.580	43	4433	3.154	ug/l	91
29) Tetrahydrofuran	5.025	42	835	0.906	ug/l #	81
31) Cyclohexane	5.568	56	3479	1.272	ug/l #	26
36) 1,1-Dichloropropene	5.562	75	11711	5.095	ug/l #	49
38) Carbon Tetrachloride	5.562	117	14740	6.306	ug/l #	17
41) Methacrylonitrile	5.025	41	445	0.291	ug/l #	1
43) Isopropyl Acetate	6.348	43	21570	4.803	ug/l	93
48) Methyl methacrylate	7.604	41	6555	3.152	ug/l #	10
49) 1,4-Dioxane	7.793	88	178	4.019	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	78429	28.555	ug/l #	45
53) t-1,3-Dichloropropene	8.982	75	25	1.825	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	31517	11.473	ug/l #	71
57) 1,3-Dichloropropane	9.488	76	20228	6.963	ug/l #	43
59) 2-Hexanone	9.488	43	298240	142.992	ug/l #	43
74) N-amyl acetate	10.774	43	1148	0.353	ug/l #	39
76) 1,2,3-Trichloropropane	11.085	75	57411	27.602	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	57411	74.218	ug/l #	12

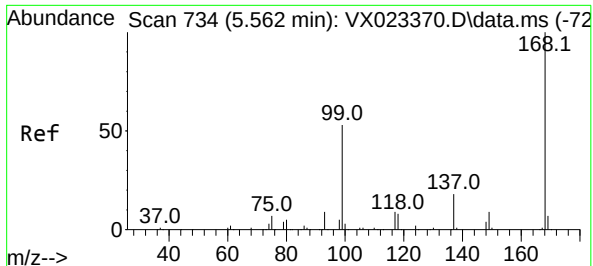
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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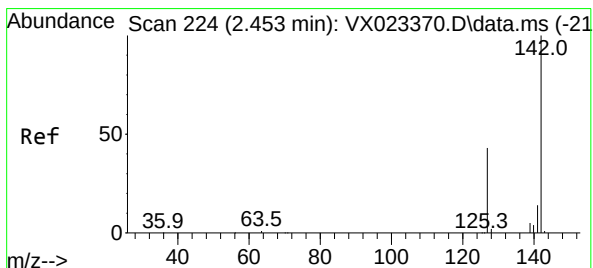
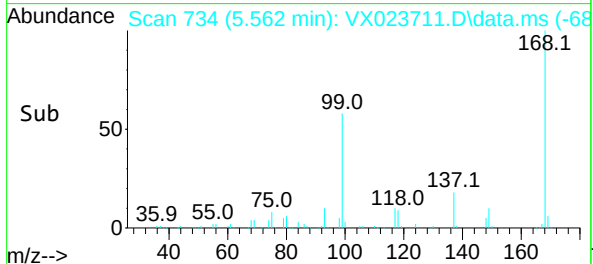
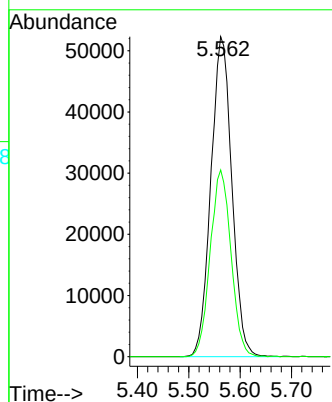
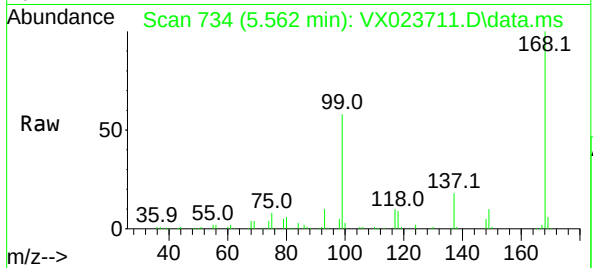




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023711.D
Acq: 14 Aug 2021 00:28

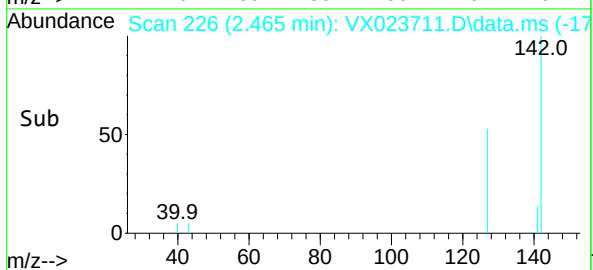
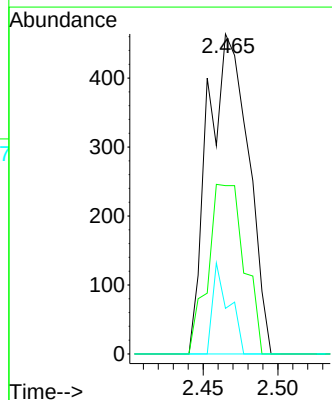
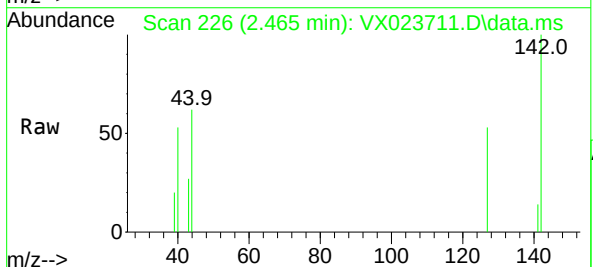
Instrument :
MSVOA_X
ClientSampled :

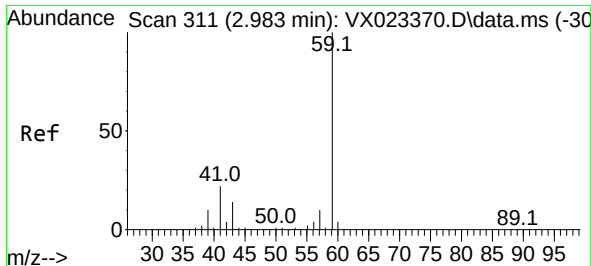
Tgt Ion:168 Resp: 147971
Ion Ratio Lower Upper
168 100
99 58.4 45.8 68.6



#10
Methyl Iodide
Concen: 0.477 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023711.D
Acq: 14 Aug 2021 00:28

Tgt Ion:142 Resp: 875
Ion Ratio Lower Upper
142 100
127 47.3 33.3 49.9
141 11.4 11.4 17.0

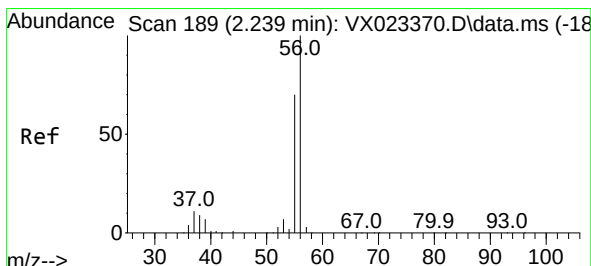
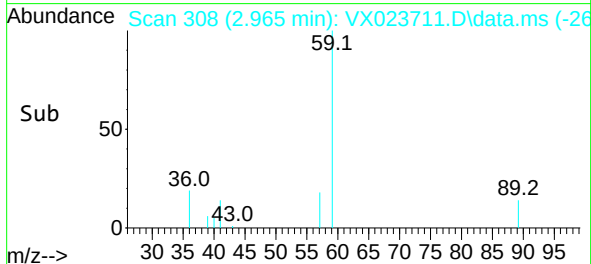
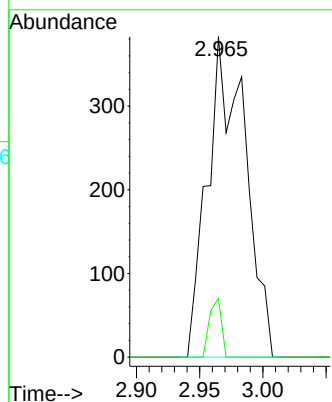
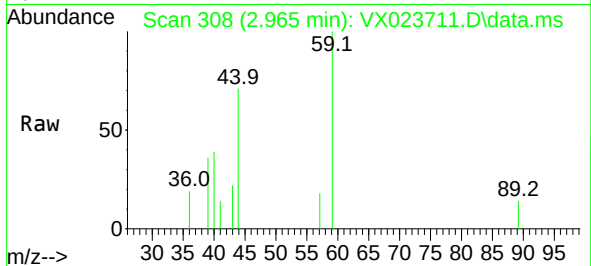




#11
Tert butyl alcohol
Concen: 1.885 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023711.D
Acq: 14 Aug 2021 00:28

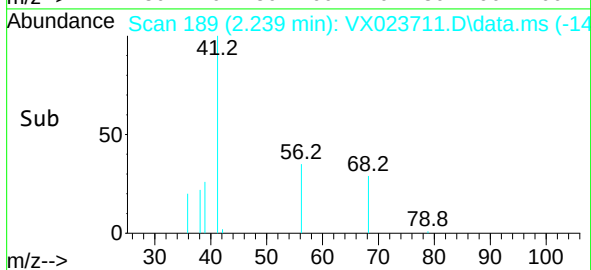
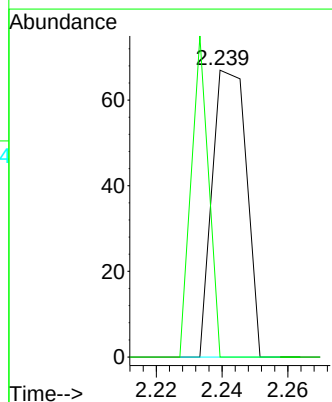
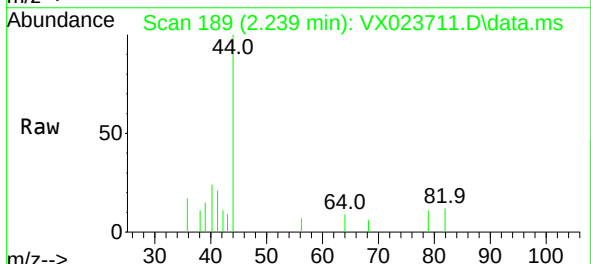
Instrument :
MSVOA_X
ClientSampled :

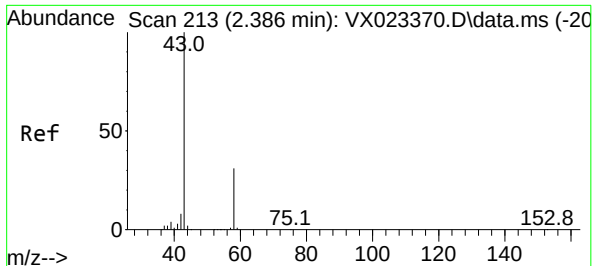
Tgt Ion: 59 Resp: 795
Ion Ratio Lower Upper
59 100
57 5.8 7.8 11.8#



#13
Acrolein
Concen: 1.586 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX023711.D
Acq: 14 Aug 2021 00:28

Tgt Ion: 56 Resp: 48
Ion Ratio Lower Upper
56 100
55 56.3 56.4 84.6#

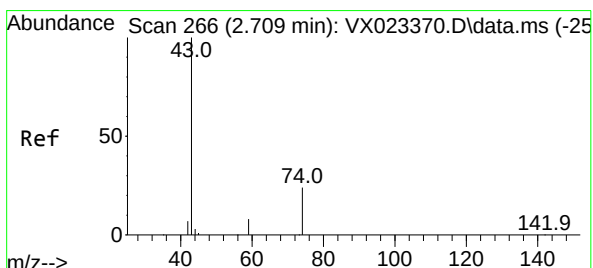
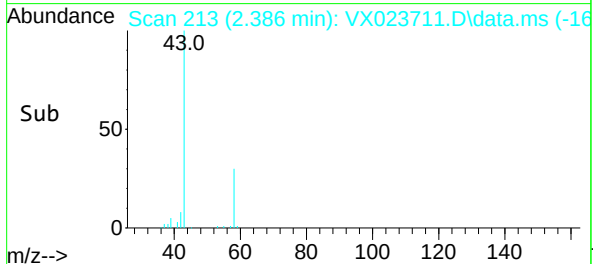
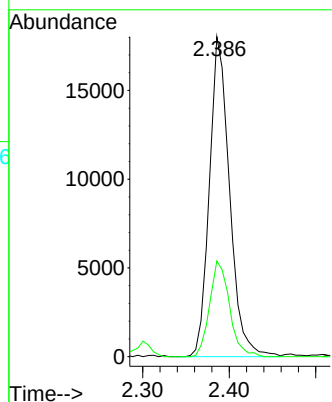
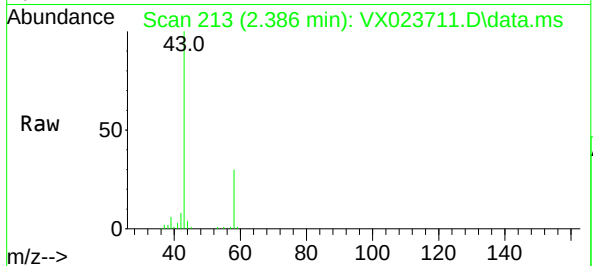




#16
Acetone
Concen: 32.253 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023711.D
Acq: 14 Aug 2021 00:28

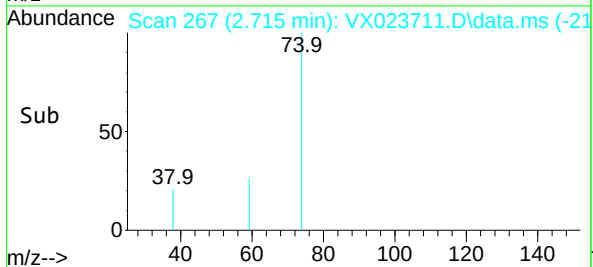
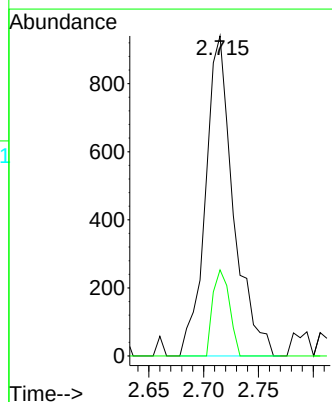
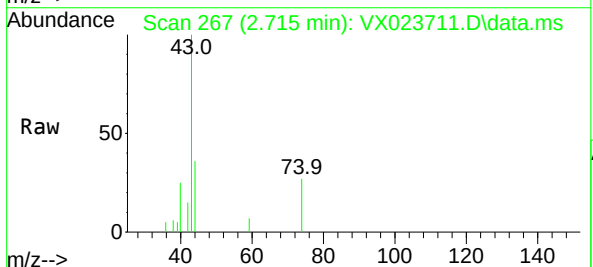
Instrument :
MSVOA_X
ClientSampled :

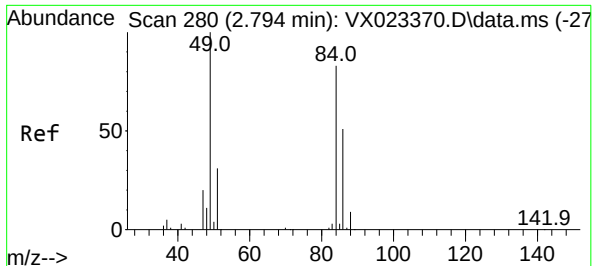
Tgt Ion: 43 Resp: 29203
Ion Ratio Lower Upper
43 100
58 29.9 27.8 41.8



#18
Methyl Acetate
Concen: 0.774 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023711.D
Acq: 14 Aug 2021 00:28

Tgt Ion: 43 Resp: 1666
Ion Ratio Lower Upper
43 100
74 16.0 21.9 32.9#





#20

Methylene Chloride

Concen: 7.526 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023711.D

Acq: 14 Aug 2021 00:28

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 84 Resp: 13255

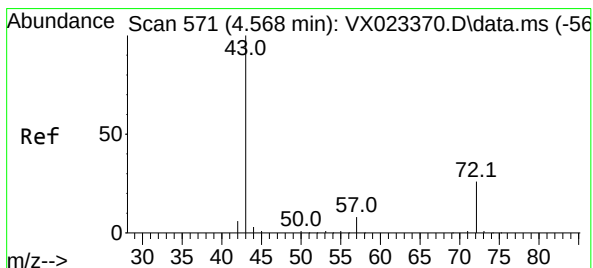
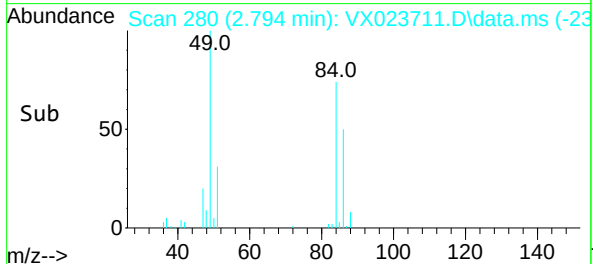
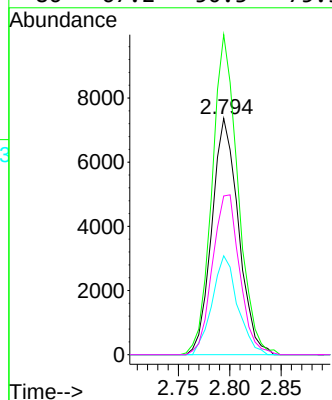
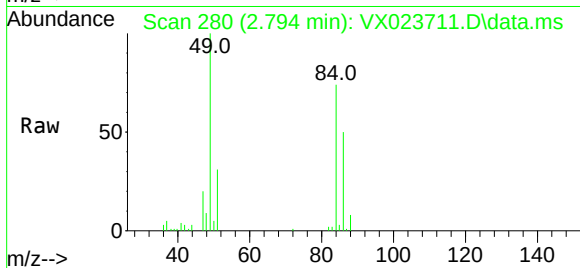
Ion Ratio Lower Upper

84 100

49 135.4 88.6 132.8#

51 41.8 27.0 40.6#

86 67.2 50.3 75.5



#25

2-Butanone

Concen: 3.154 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX023711.D

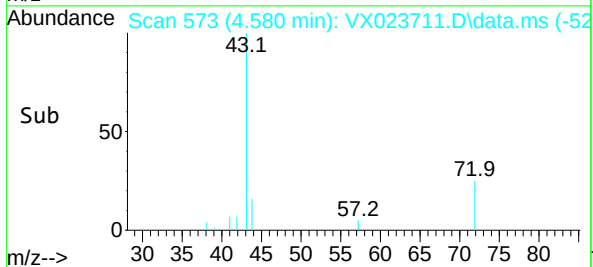
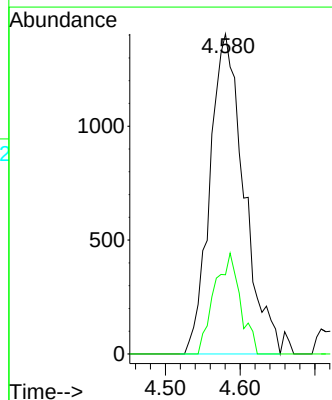
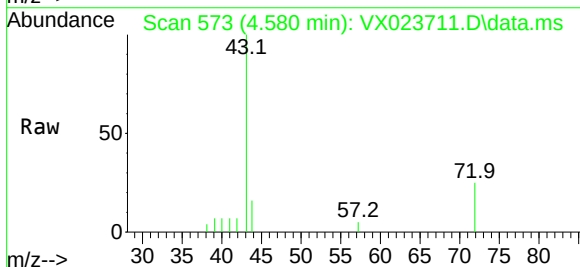
Acq: 14 Aug 2021 00:28

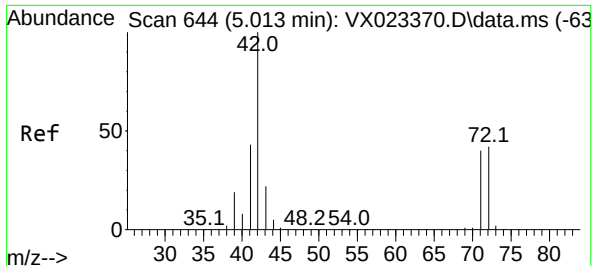
Tgt Ion: 43 Resp: 4433

Ion Ratio Lower Upper

43 100

72 24.8 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.906 ug/l

RT: 5.025 min Scan# 646

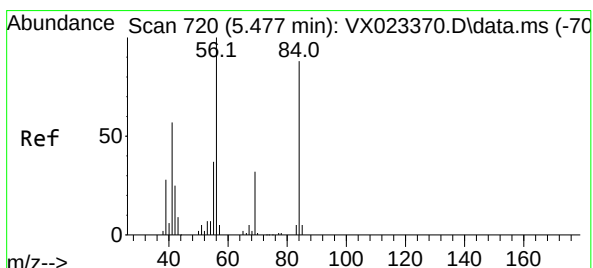
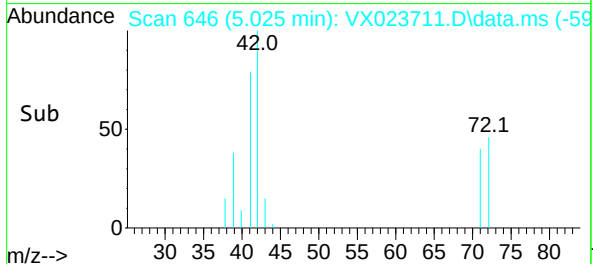
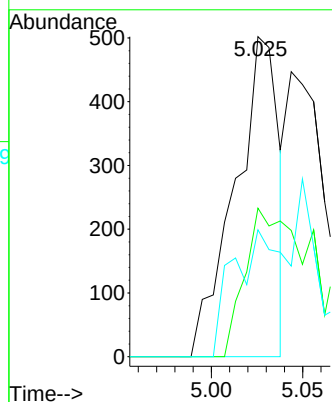
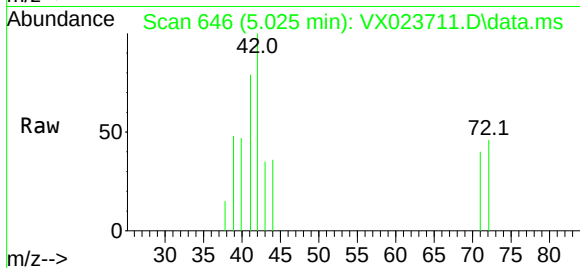
Delta R.T. 0.012 min

Lab File: VX023711.D

Acq: 14 Aug 2021 00:28

Tgt Ion:	42	Resp:	835
Ion	Ratio	Lower	Upper
42	100		
72	71.6	41.7	62.5#
71	41.3	38.4	57.6

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.272 ug/l

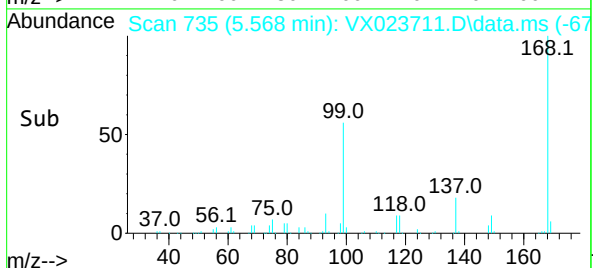
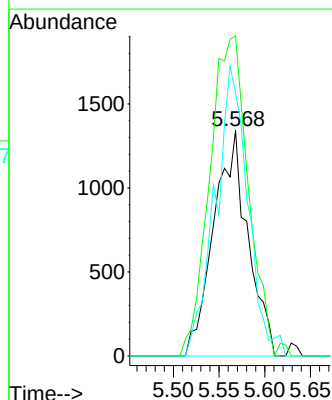
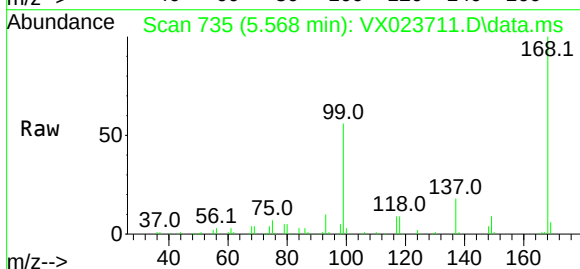
RT: 5.568 min Scan# 735

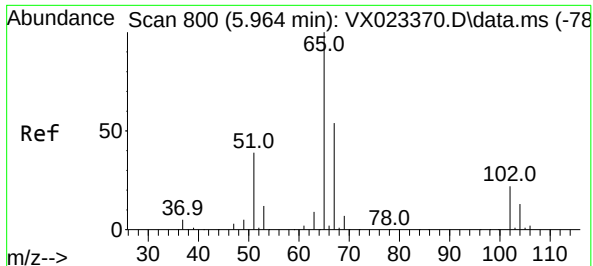
Delta R.T. 0.091 min

Lab File: VX023711.D

Acq: 14 Aug 2021 00:28

Tgt Ion:	56	Resp:	3479
Ion	Ratio	Lower	Upper
56	100		
69	142.0	25.3	37.9#
84	116.5	71.4	107.0#

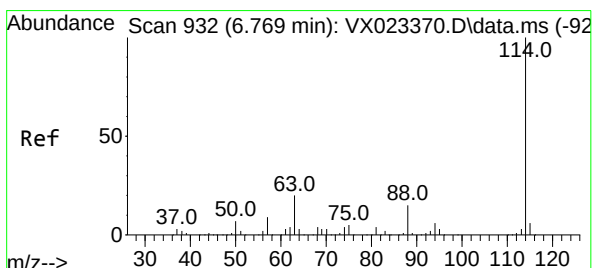
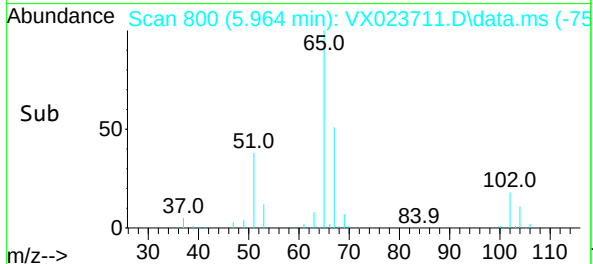
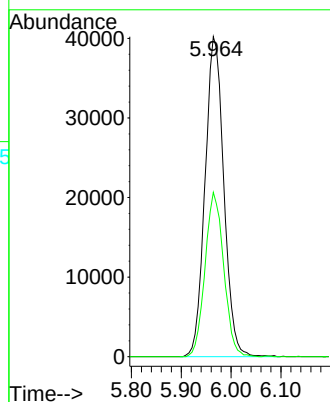
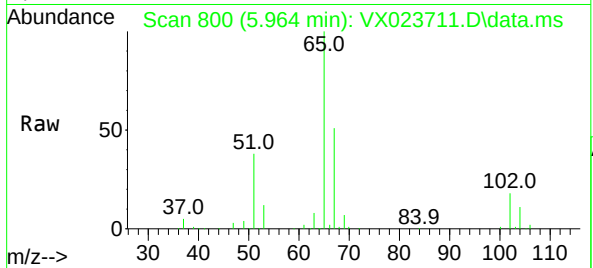




#33
1,2-Dichloroethane-d4
Concen: 56.991 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023711.D
Acq: 14 Aug 2021 00:28

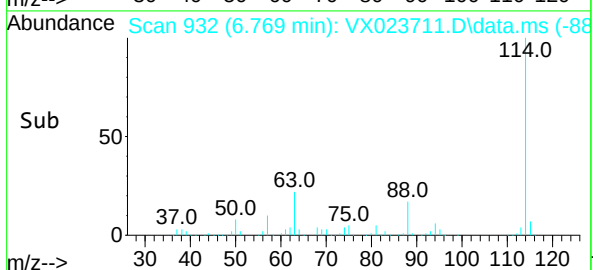
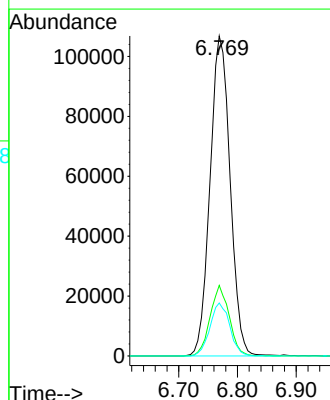
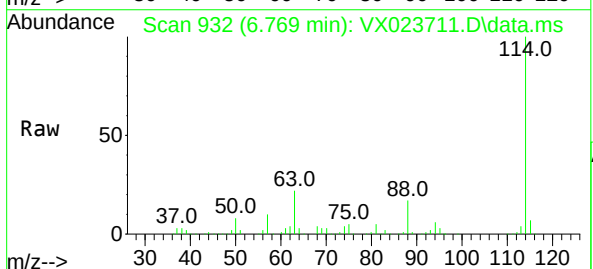
Instrument :
MSVOA_X
ClientSampled :

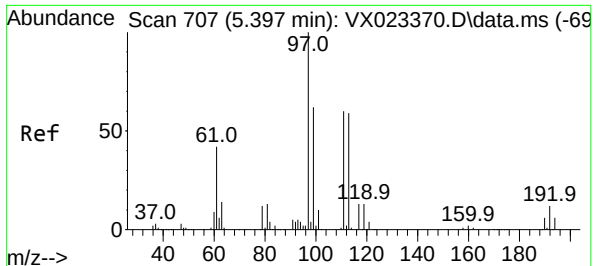
Tgt Ion: 65 Resp: 105194
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023711.D
Acq: 14 Aug 2021 00:28

Tgt Ion: 114 Resp: 254078
Ion Ratio Lower Upper
114 100
63 22.1 0.0 40.8
88 16.6 0.0 32.8

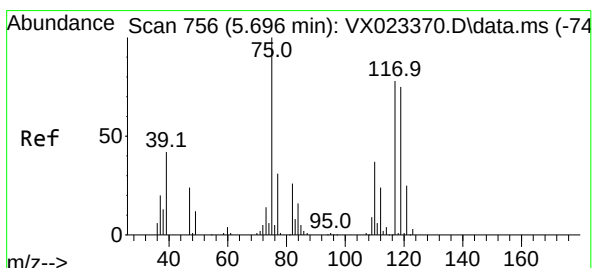
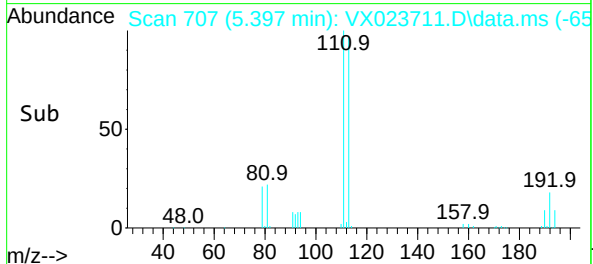
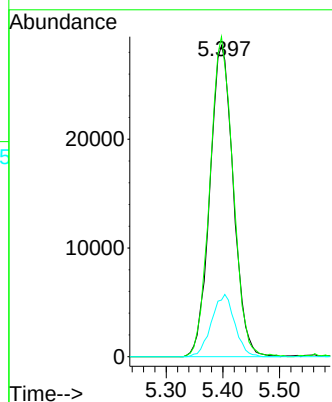
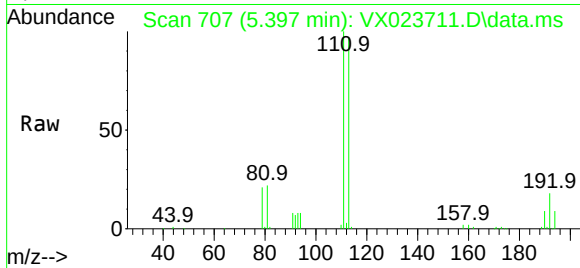




#35
Dibromofluoromethane
Concen: 51.748 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023711.D
Acq: 14 Aug 2021 00:28

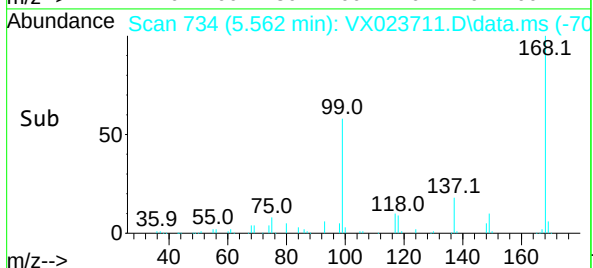
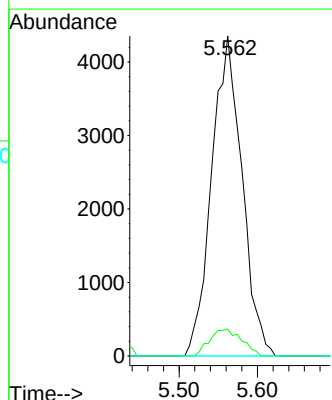
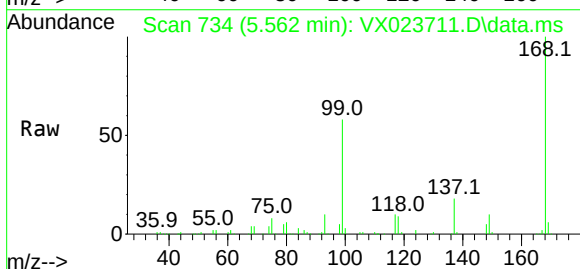
Instrument :
MSVOA_X
ClientSampleId :

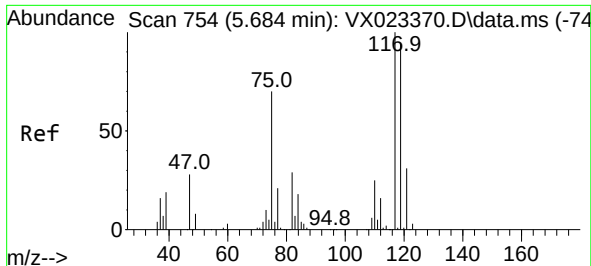
Tgt Ion:113 Resp: 82208
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 19.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.095 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX023711.D
Acq: 14 Aug 2021 00:28

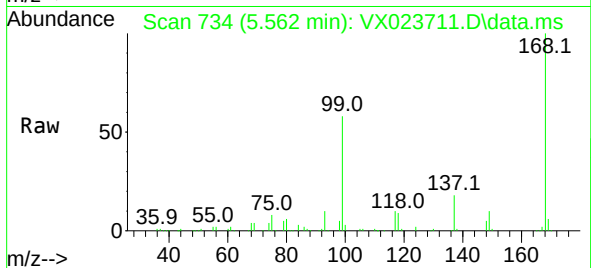
Tgt Ion: 75 Resp: 11711
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.4#
77 0.0 25.3 37.9#



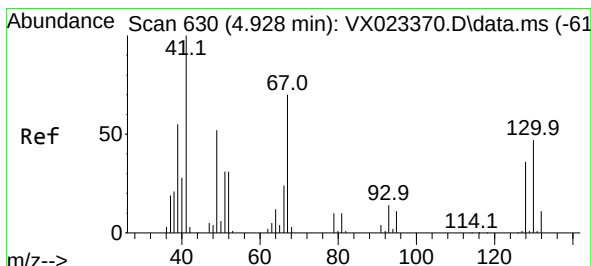
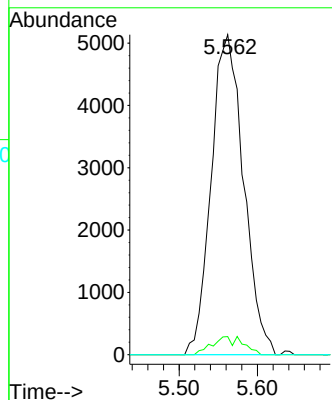
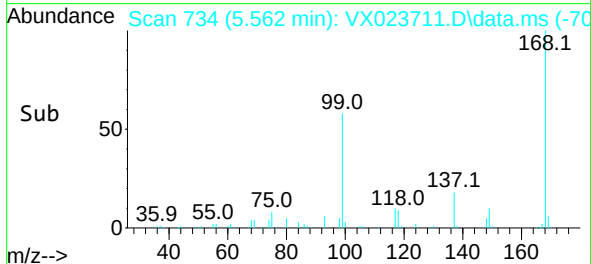


#38
Carbon Tetrachloride
Concen: 6.306 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023711.D
Acq: 14 Aug 2021 00:28

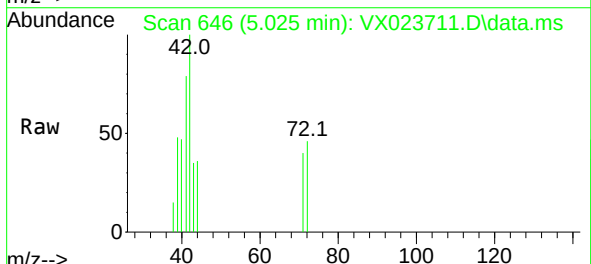
Instrument :
MSVOA_X
ClientSampleId :



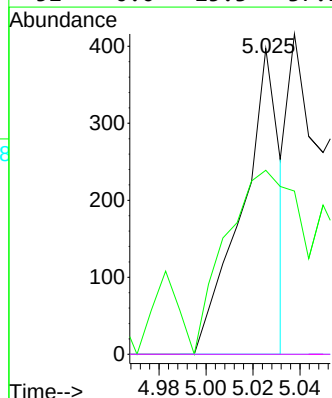
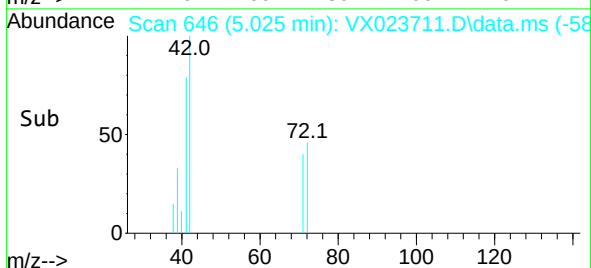
Tgt Ion:117 Resp: 14740
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.8 37.2#

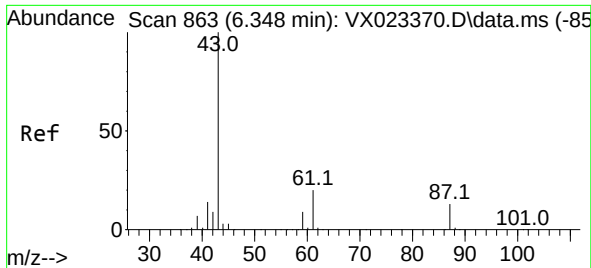


#41
Methacrylonitrile
Concen: 0.291 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.097 min
Lab File: VX023711.D
Acq: 14 Aug 2021 00:28



Tgt Ion: 41 Resp: 445
Ion Ratio Lower Upper
41 100
39 164.0 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

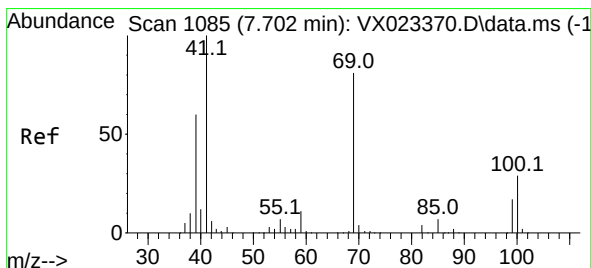
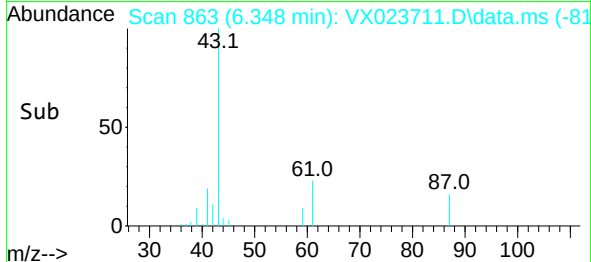
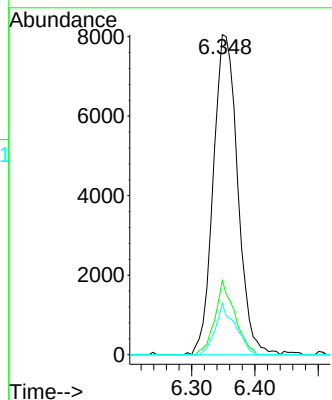
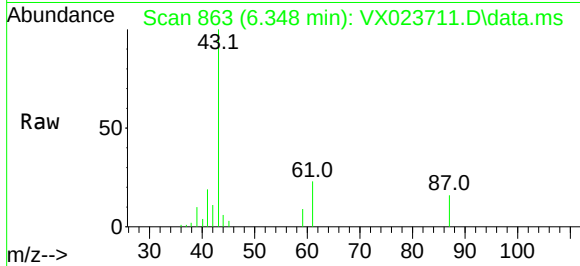




#43
Isopropyl Acetate
Concen: 4.803 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023711.D
Acq: 14 Aug 2021 00:28

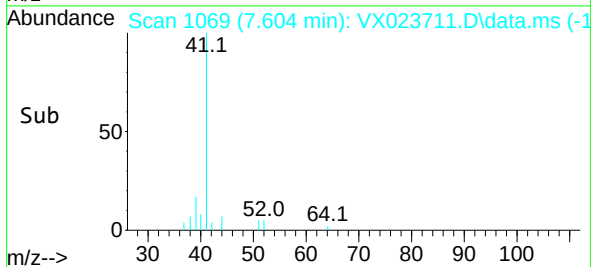
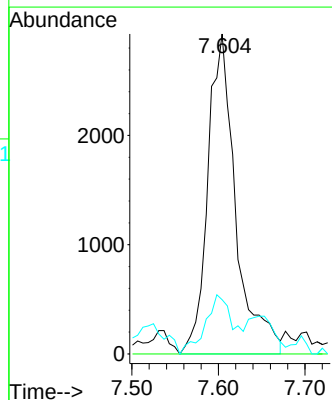
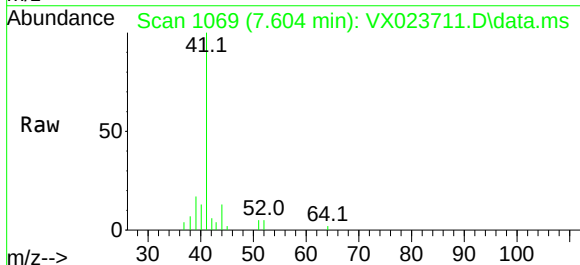
Instrument :
MSVOA_X
ClientSampleId :

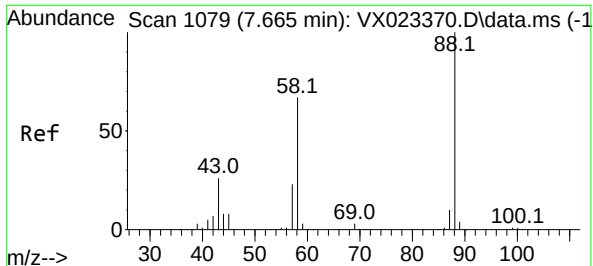
Tgt Ion:	43	Resp:	21570
Ion	Ratio	Lower	Upper
43	100		
61	18.9	18.2	27.4
87	13.0	12.5	18.7



#48
Methyl methacrylate
Concen: 3.152 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023711.D
Acq: 14 Aug 2021 00:28

Tgt Ion:	41	Resp:	6555
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#





#49

1,4-Dioxane

Concen: 4.019 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.128 min

Lab File: VX023711.D

Acq: 14 Aug 2021 00:28

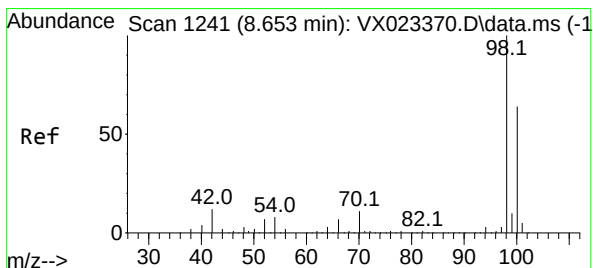
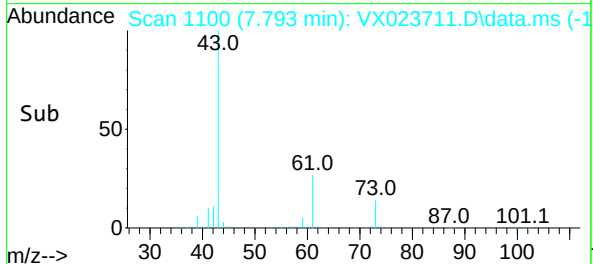
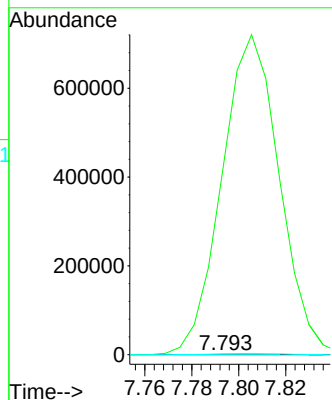
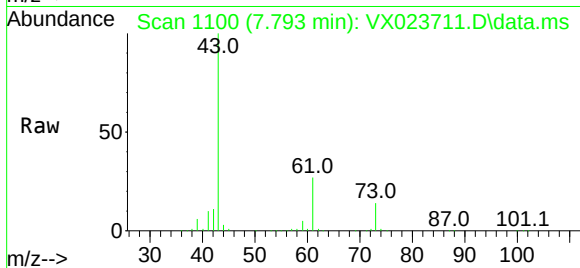
Tgt Ion: 88 Resp: 178

Ion Ratio Lower Upper

88 100

43 692775.3 23.2 34.8#

58 3000.0 55.0 82.4#



#50

Toluene-d8

Concen: 54.674 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023711.D

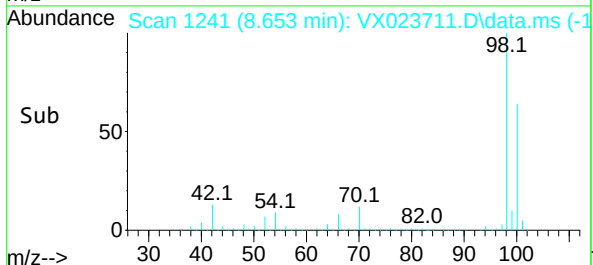
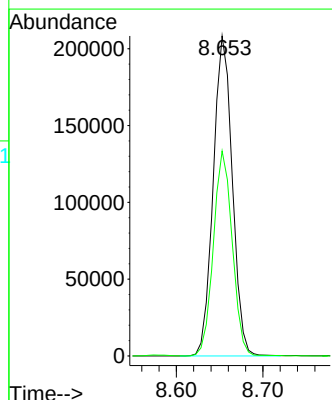
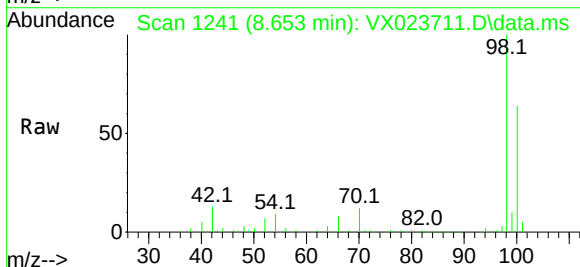
Acq: 14 Aug 2021 00:28

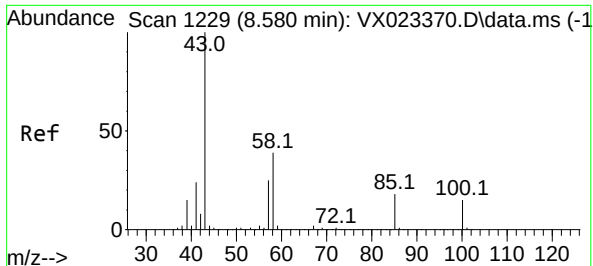
Tgt Ion: 98 Resp: 319109

Ion Ratio Lower Upper

98 100

100 63.4 51.9 77.9

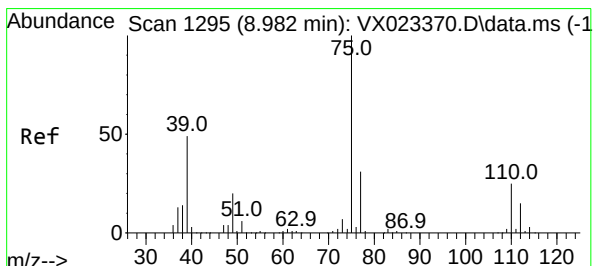
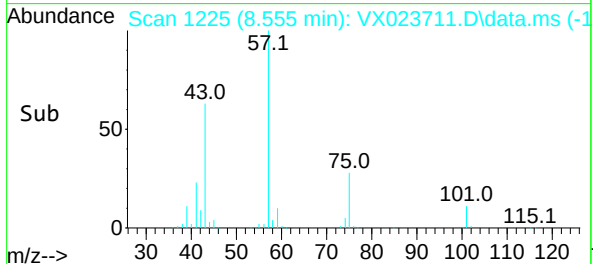
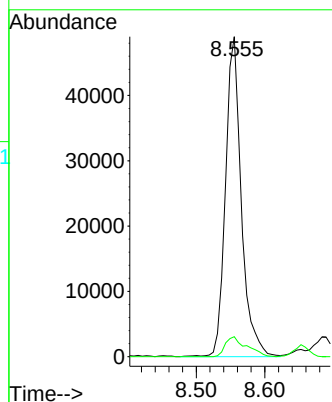
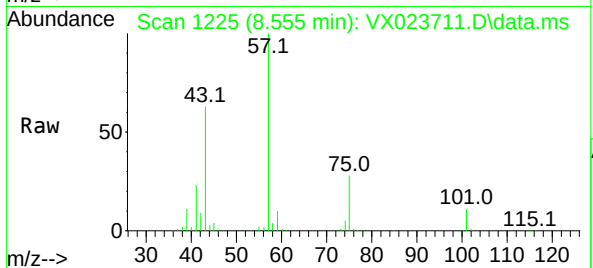




#51
4-Methyl-2-Pentanone
Concen: 28.555 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023711.D
Acq: 14 Aug 2021 00:28

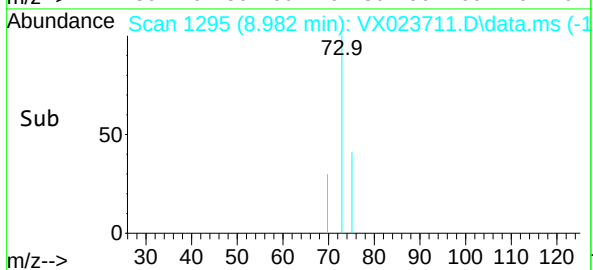
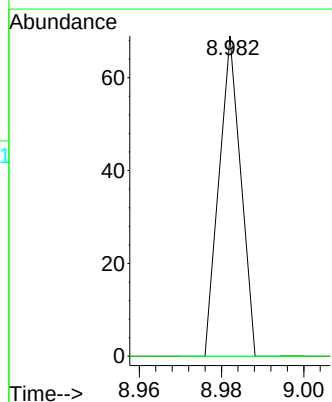
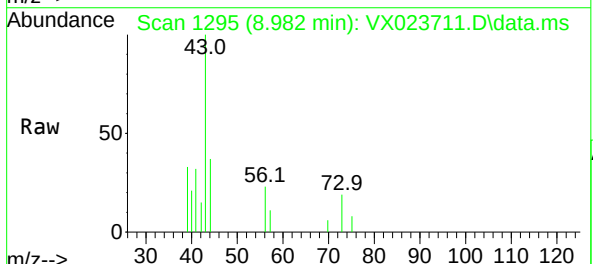
Instrument :
MSVOA_X
ClientSampled :

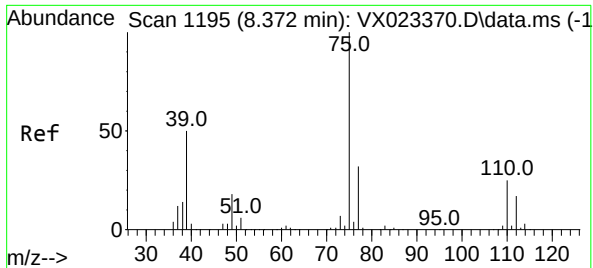
Tgt Ion: 43 Resp: 78429
Ion Ratio Lower Upper
43 100
58 8.4 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 1.825 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VX023711.D
Acq: 14 Aug 2021 00:28

Tgt Ion: 75 Resp: 25
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

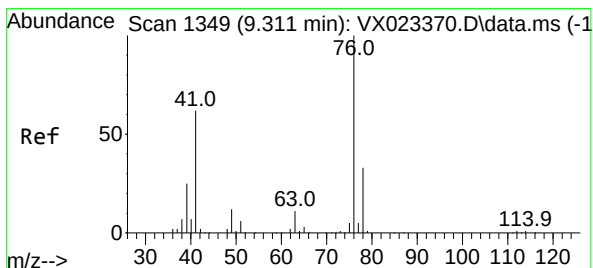
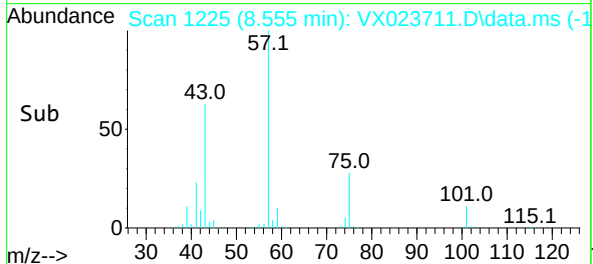
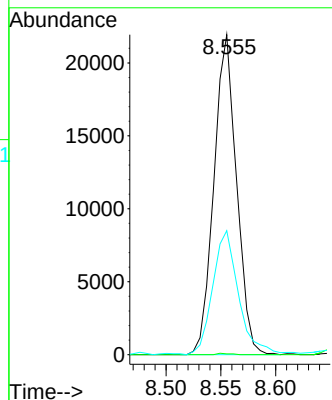
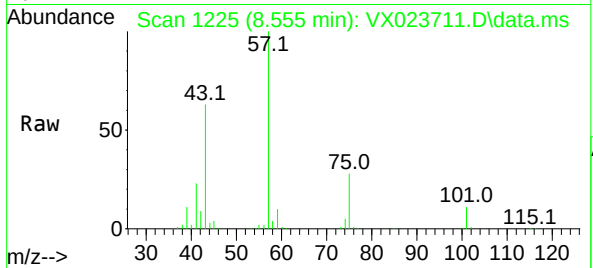




#54
 cis-1,3-Dichloropropene
 Concen: 11.473 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023711.D
 Acq: 14 Aug 2021 00:28

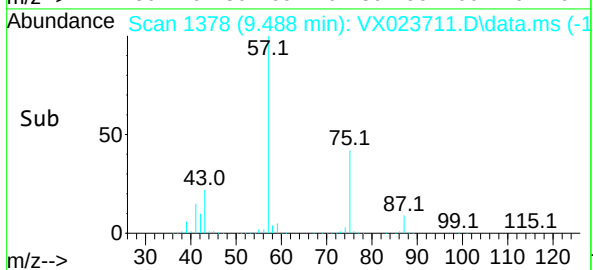
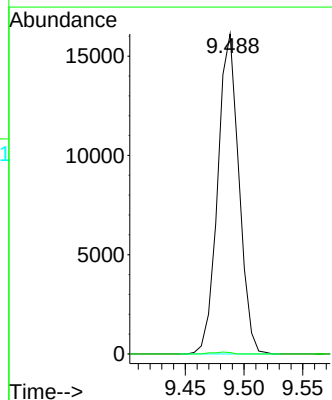
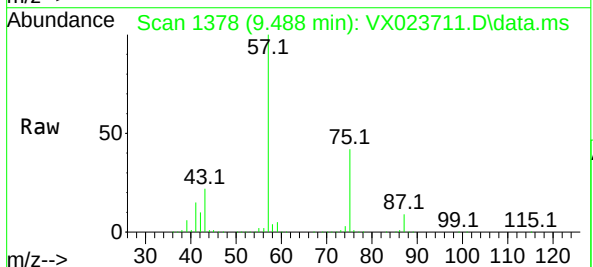
Instrument :
 MSVOA_X
 ClientSampleId :

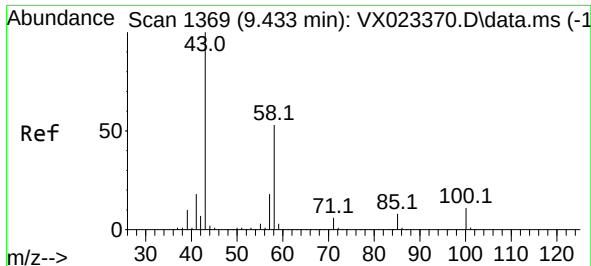
Tgt Ion: 75 Resp: 31517
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.7 38.5#
 39 38.5 35.1 52.7



#57
 1,3-Dichloropropane
 Concen: 6.963 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023711.D
 Acq: 14 Aug 2021 00:28

Tgt Ion: 76 Resp: 20228
 Ion Ratio Lower Upper
 76 100
 78 0.5 26.2 39.2#

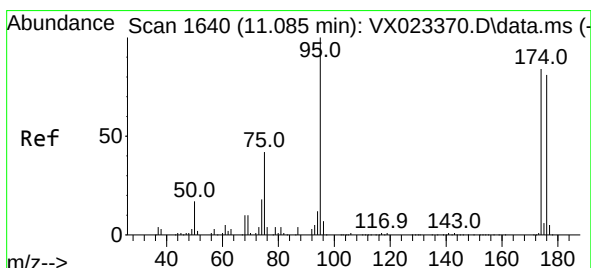
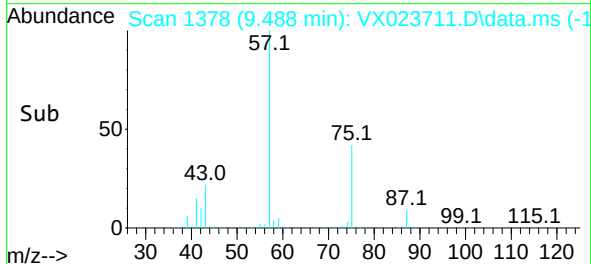
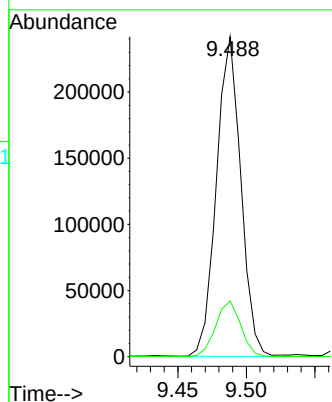
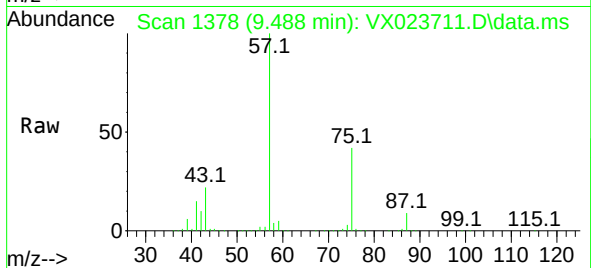




#59
2-Hexanone
Concen: 142.992 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023711.D
Acq: 14 Aug 2021 00:28

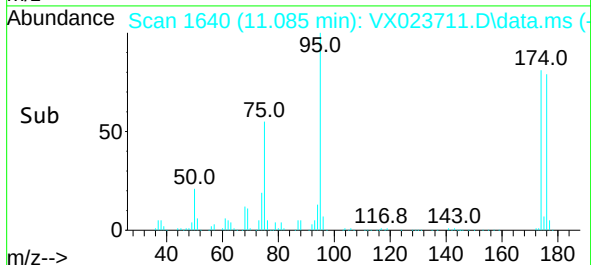
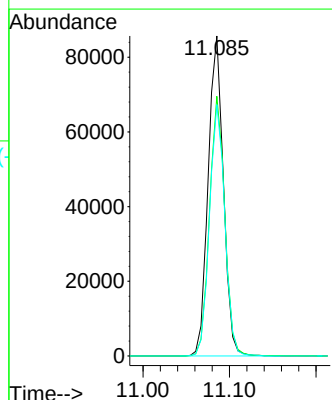
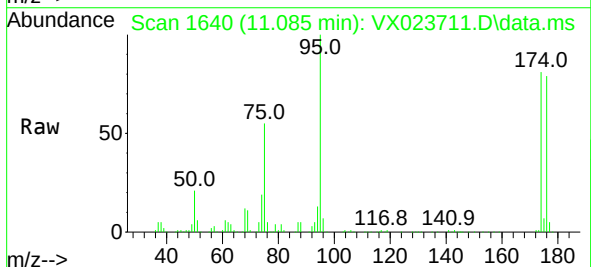
Instrument :
MSVOA_X
ClientSampleId :

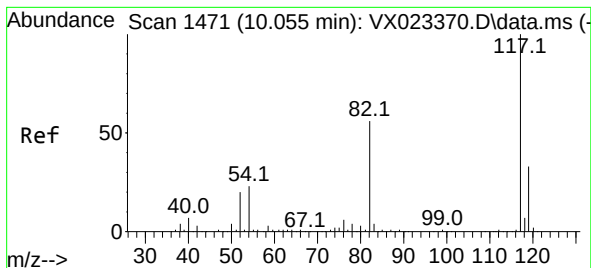
Tgt Ion: 43 Resp: 298240
Ion Ratio Lower Upper
43 100
58 17.8 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 52.706 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023711.D
Acq: 14 Aug 2021 00:28

Tgt Ion: 95 Resp: 104604
Ion Ratio Lower Upper
95 100
174 81.5 0.0 154.6
176 79.0 0.0 155.8

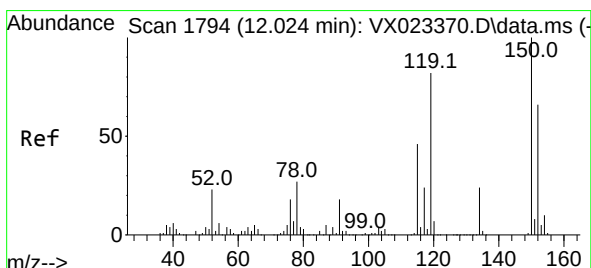
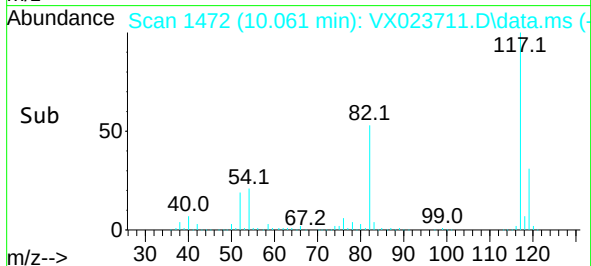
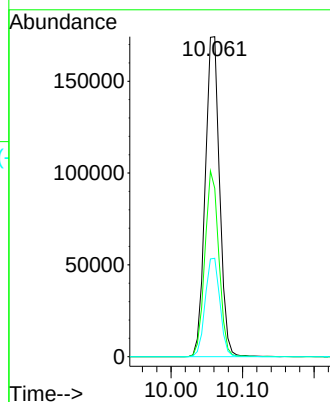
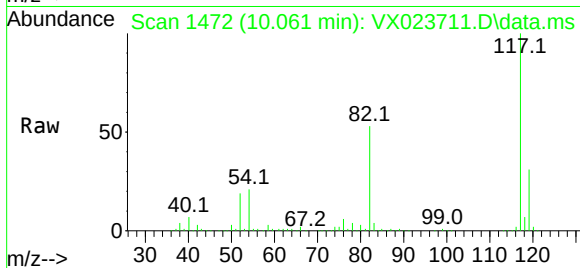




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX023711.D
Acq: 14 Aug 2021 00:28

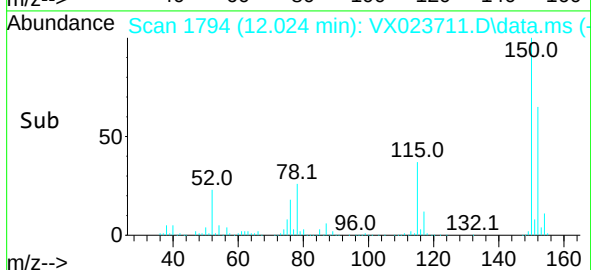
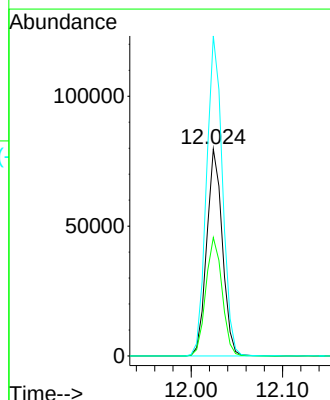
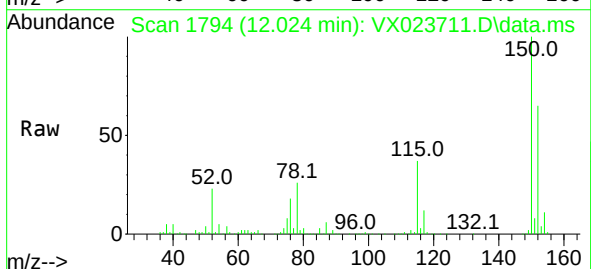
Instrument :
MSVOA_X
ClientSampleId :

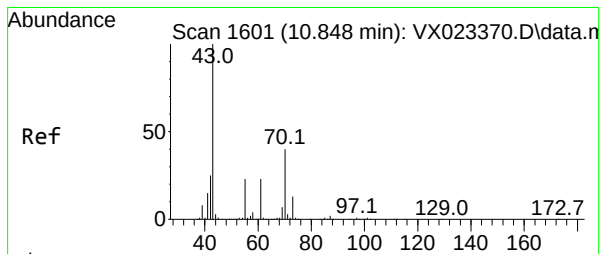
Tgt Ion:117 Resp: 243601
Ion Ratio Lower Upper
117 100
82 52.6 47.4 71.2
119 30.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023711.D
Acq: 14 Aug 2021 00:28

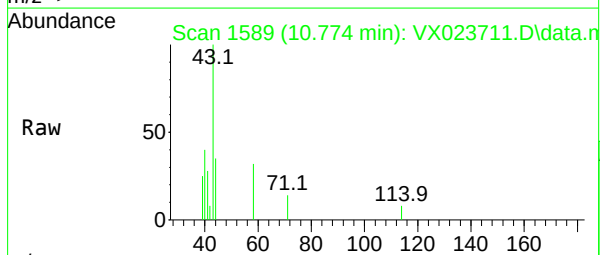
Tgt Ion:152 Resp: 94520
Ion Ratio Lower Upper
152 100
115 59.4 41.1 123.3
150 157.5 0.0 349.0



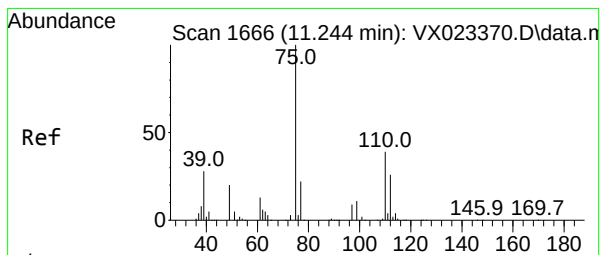
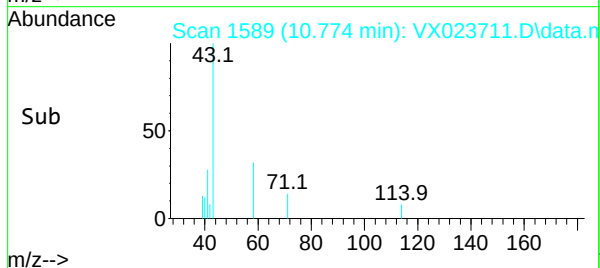
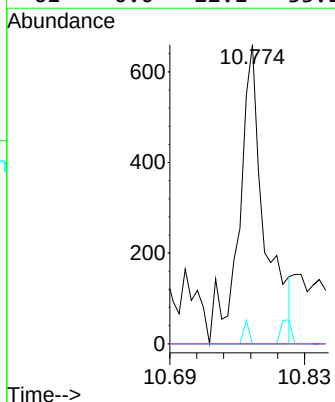


#74
N-amy1 acetate
Concen: 0.353 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX023711.D
Acq: 14 Aug 2021 00:28

Instrument :
MSVOA_X
ClientSampled :

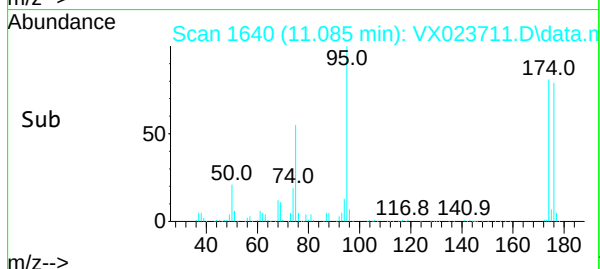
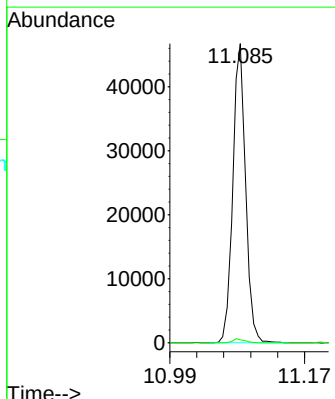
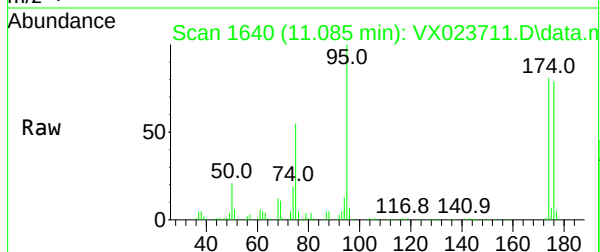


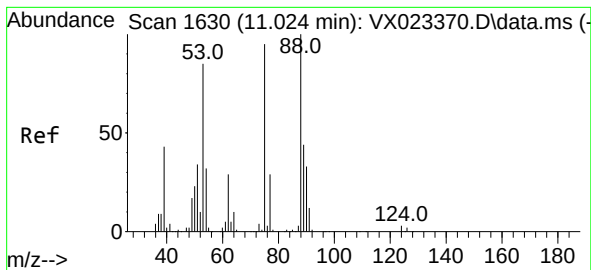
Tgt Ion: 43 Resp: 1148
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 1.7 21.5 32.3#
61 0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 27.602 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023711.D
Acq: 14 Aug 2021 00:28

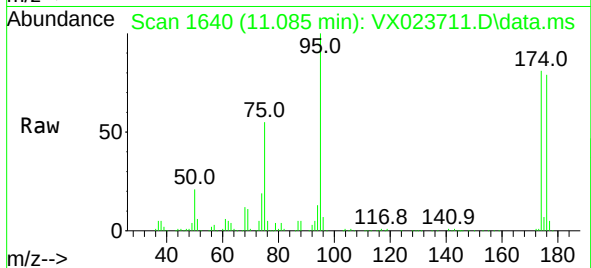
Tgt Ion: 75 Resp: 57411
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.218 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023711.D
 Acq: 14 Aug 2021 00:28

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 57411
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

