

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081621\
 Data File : VX023739.D
 Acq On : 16 Aug 2021 15:37
 Operator : JC/MD
 Sample : M3407-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 17 06:17:28 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

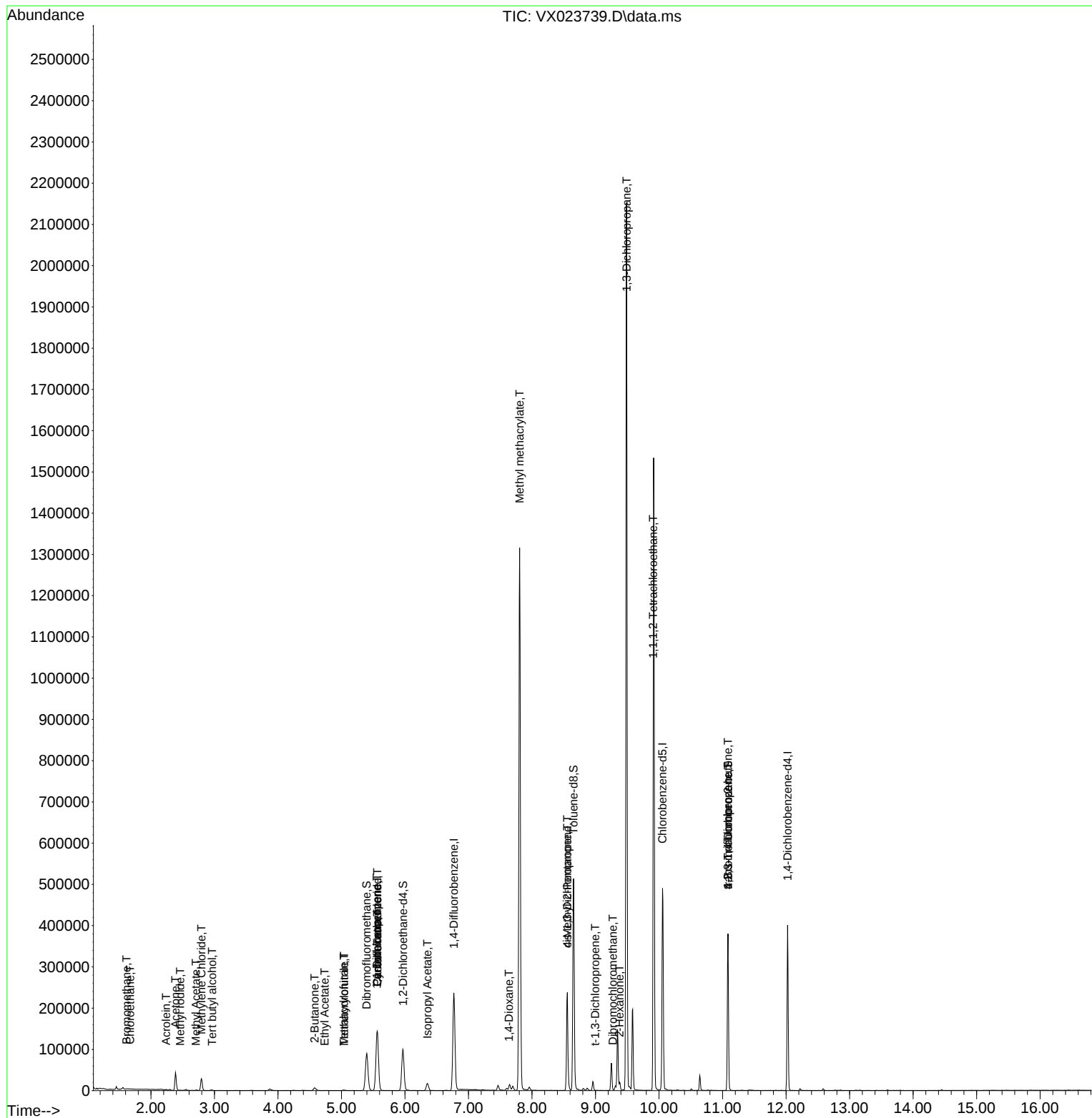
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	137023	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	235589	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	97265	56.905	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 113.820%	
35) Dibromofluoromethane	5.397	113	76053	51.631	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.260%	
50) Toluene-d8	8.653	98	293905	54.308	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 108.620%	
62) 4-Bromofluorobenzene	11.085	95	94407	51.301	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.600%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	492	0.557	ug/l #	63
6) Chloroethane	1.672	64	278	0.305	ug/l #	43
10) Methyl Iodide	2.459	142	541	0.318	ug/l #	88
11) Tert butyl alcohol	2.965	59	1163	2.979	ug/l #	73
13) Acrolein	2.239	56	65	1.689	ug/l #	1
16) Acetone	2.386	43	43794	52.232	ug/l	91
18) Methyl Acetate	2.709	43	1430	0.717	ug/l	100
20) Methylene Chloride	2.794	84	12387	7.595	ug/l #	86
25) 2-Butanone	4.574	43	10260	7.882	ug/l #	86
29) Tetrahydrofuran	5.038	42	923	1.082	ug/l #	64
31) Cyclohexane	5.562	56	3039	1.200	ug/l #	31
36) 1,1-Dichloropropene	5.556	75	10795	5.065	ug/l #	49
37) Ethyl Acetate	4.733	43	672	0.250	ug/l #	64
38) Carbon Tetrachloride	5.562	117	13868	6.399	ug/l #	17
41) Methacrylonitrile	5.044	41	610	0.430	ug/l #	21
43) Isopropyl Acetate	6.354	43	23935	5.748	ug/l #	90
48) Methyl methacrylate	7.805	41	117104	60.727	ug/l #	38
49) 1,4-Dioxane	7.635	88	19	0.463	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	82498	32.393	ug/l #	44
53) t-1,3-Dichloropropene	8.994	75	43	1.833	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	34792	13.659	ug/l #	69
57) 1,3-Dichloropropane	9.488	76	17403	6.461	ug/l #	42
59) 2-Hexanone	9.378	43	11050	5.714	ug/l #	19
60) Dibromochloromethane	9.275	129	81	2.027	ug/l #	11
66) 1,1,1,2-Tetrachloroethane	9.909	131	19	0.985	ug/l #	8
76) 1,2,3-Trichloropropane	11.085	75	50801	29.305	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	50801	78.797	ug/l #	12

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

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Aug 17 06:17:28 2021
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Quant Title : SW846 8260
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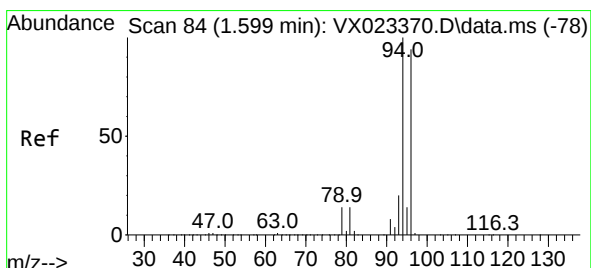
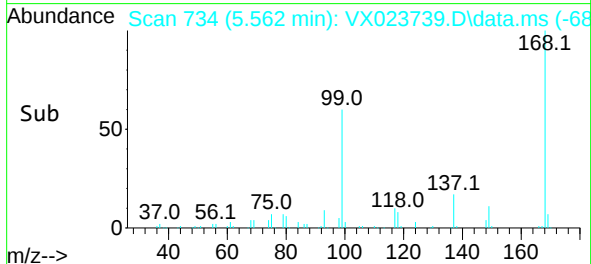
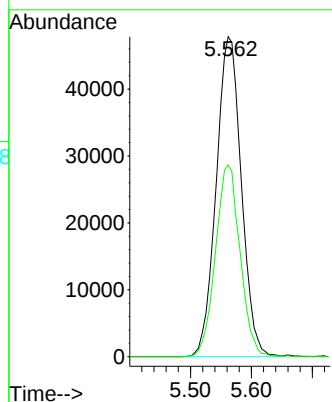
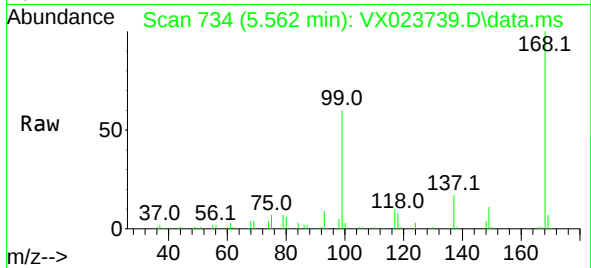




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

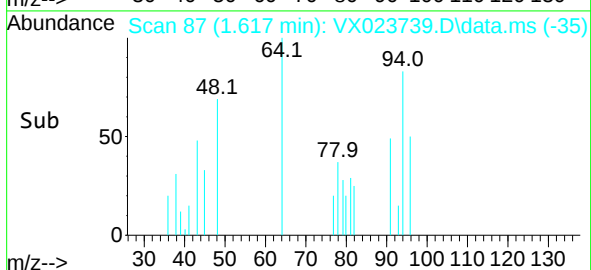
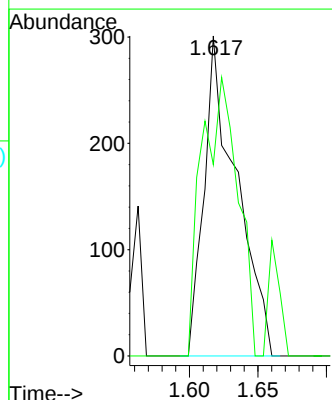
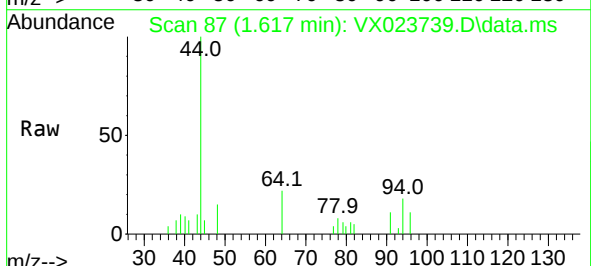
Instrument :
MSVOA_X
ClientSampled :

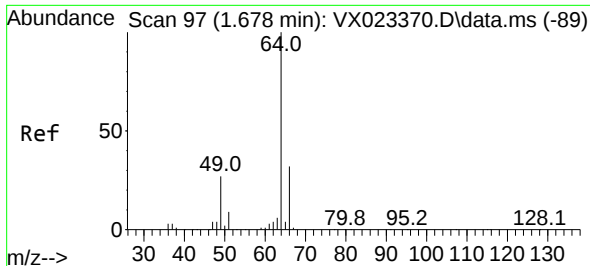
Tgt Ion:168 Resp: 137023
Ion Ratio Lower Upper
168 100
99 59.9 45.8 68.6



#5
Bromomethane
Concen: 0.557 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

Tgt Ion: 94 Resp: 492
Ion Ratio Lower Upper
94 100
96 59.8 76.4 114.6#

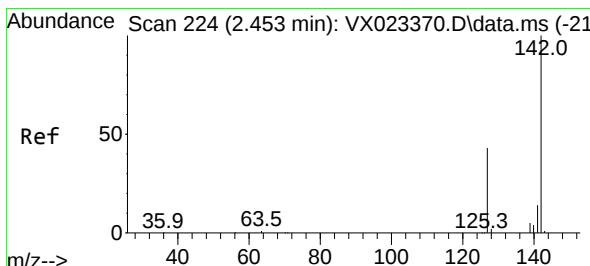
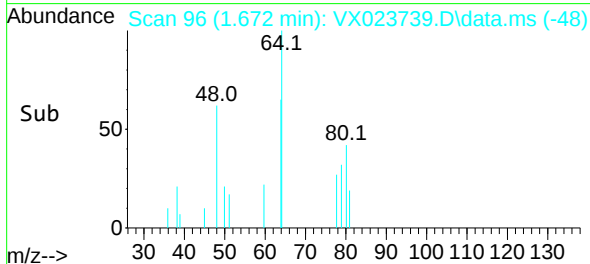
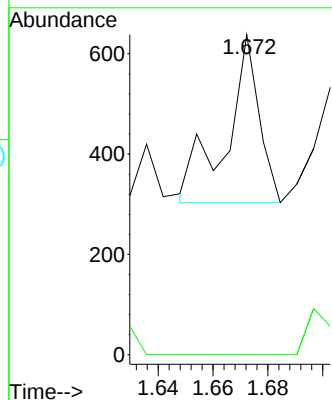
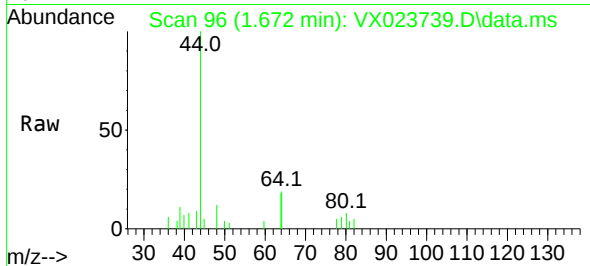




#6
Chloroethane
Concen: 0.305 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

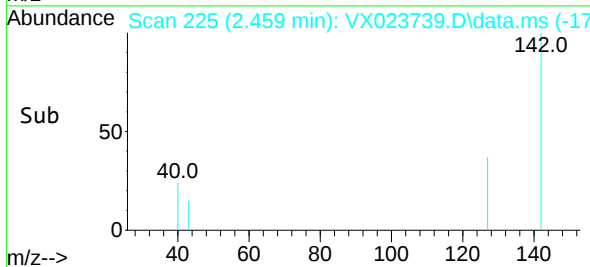
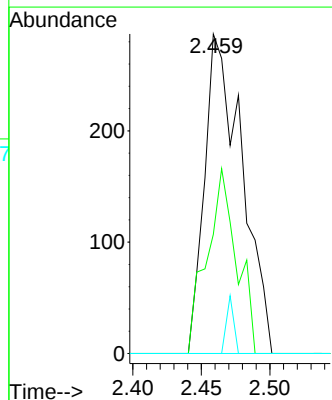
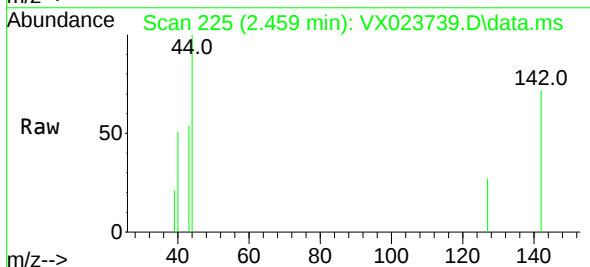
Instrument :
MSVOA_X
ClientSampled :

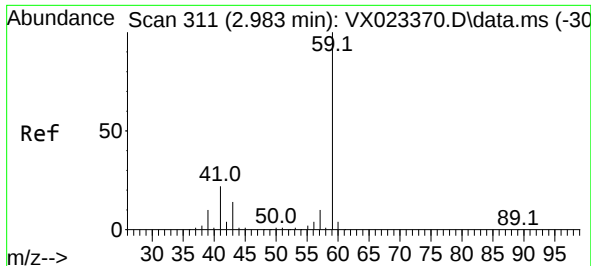
Tgt Ion: 64 Resp: 278
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.318 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

Tgt Ion: 142 Resp: 541
Ion Ratio Lower Upper
142 100
127 46.4 33.3 49.9
141 3.5 11.4 17.0#



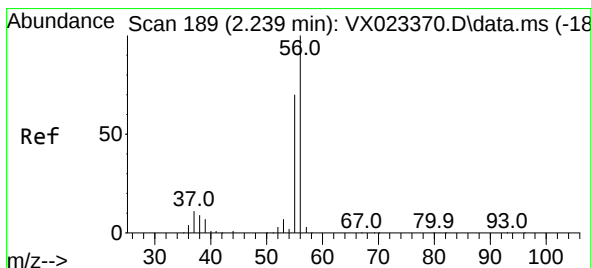
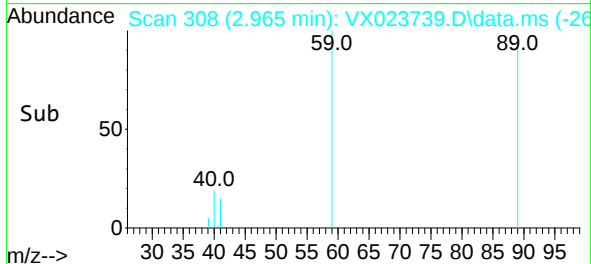
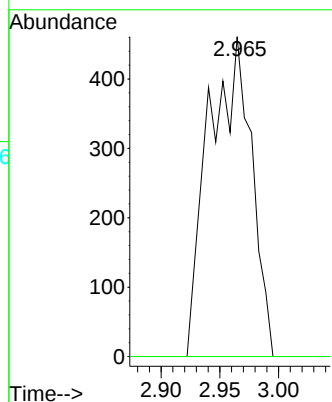
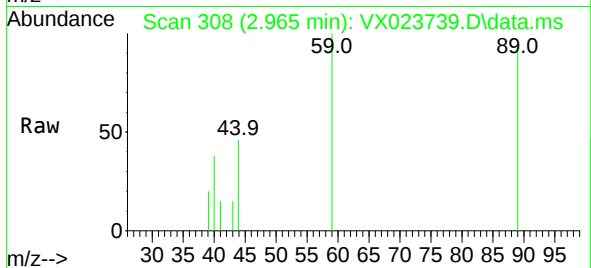


#11

Tert butyl alcohol
Concen: 2.979 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

Instrument :
MSVOA_X
ClientSampled :

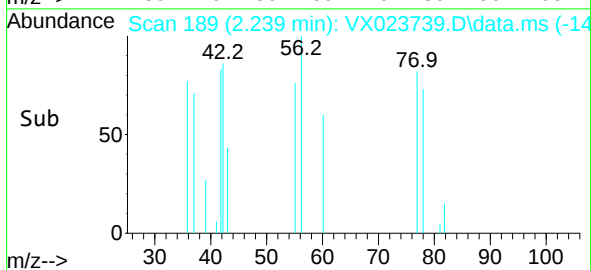
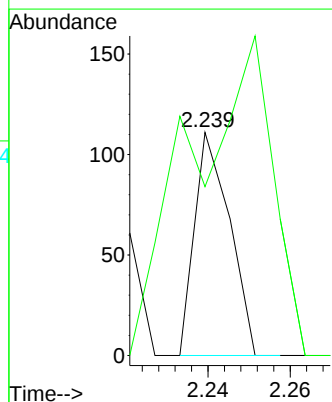
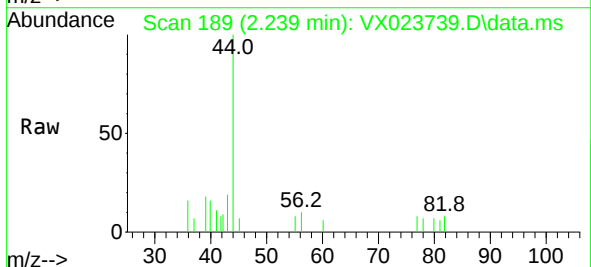
Tgt Ion: 59 Resp: 1163
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

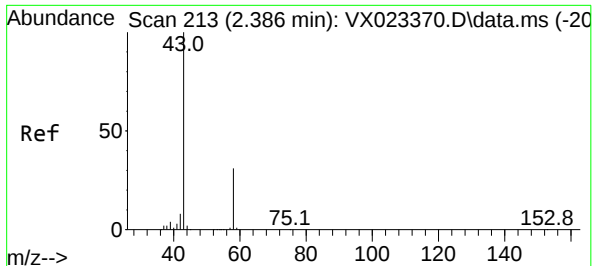


#13

Acrolein
Concen: 1.689 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 340.0 56.4 84.6#

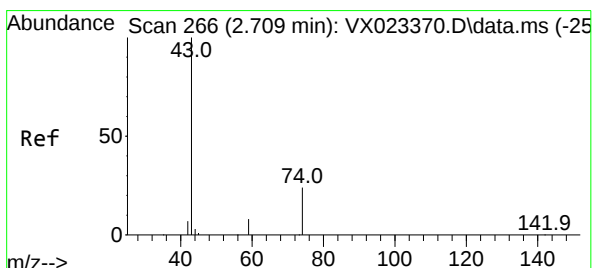
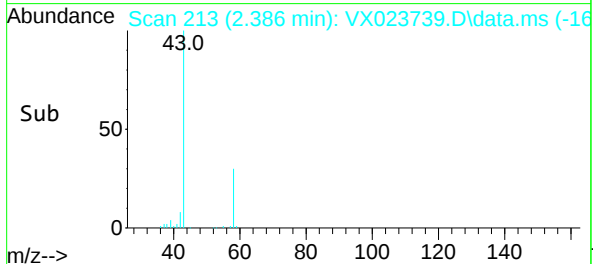
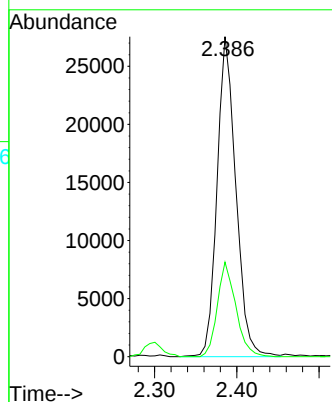
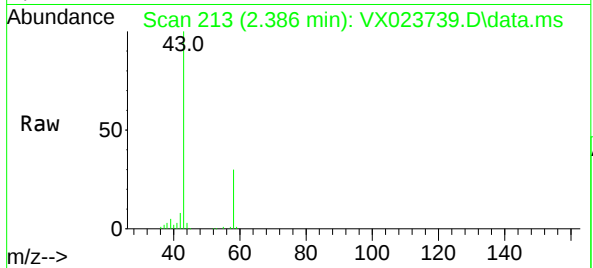




#16
Acetone
Concen: 52.232 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

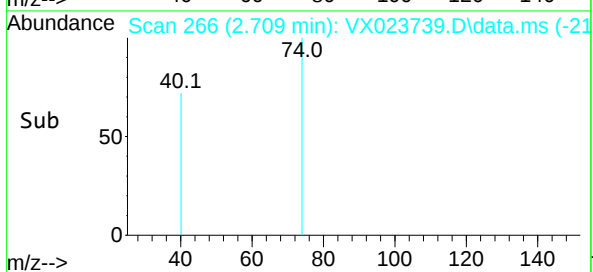
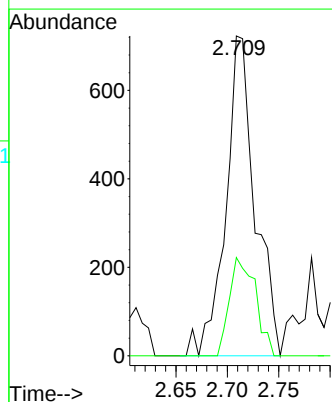
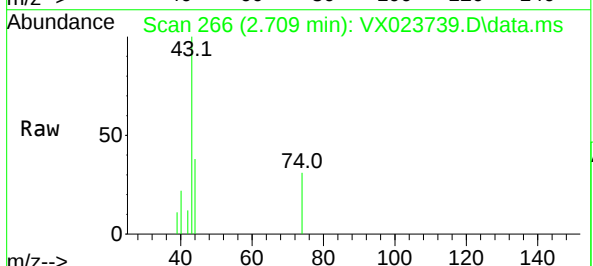
Instrument :
MSVOA_X
ClientSampled :

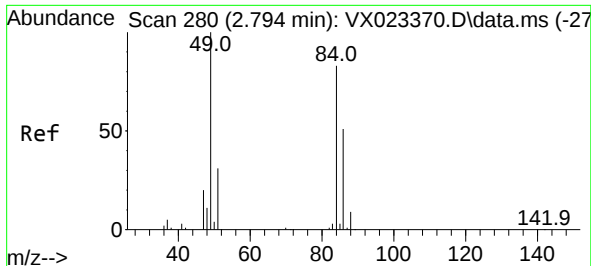
Tgt Ion: 43 Resp: 43794
Ion Ratio Lower Upper
43 100
58 29.6 27.8 41.8



#18
Methyl Acetate
Concen: 0.717 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

Tgt Ion: 43 Resp: 1430
Ion Ratio Lower Upper
43 100
74 27.5 21.9 32.9

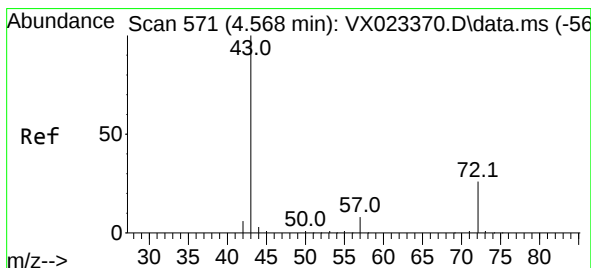
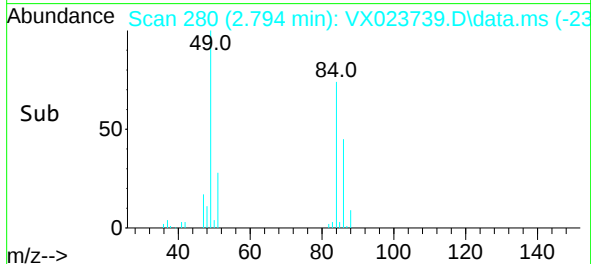
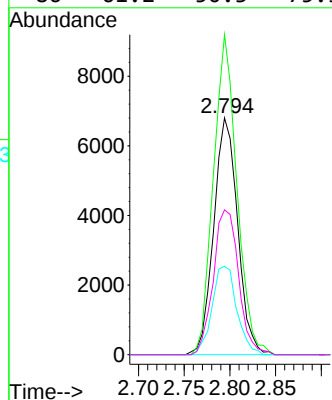
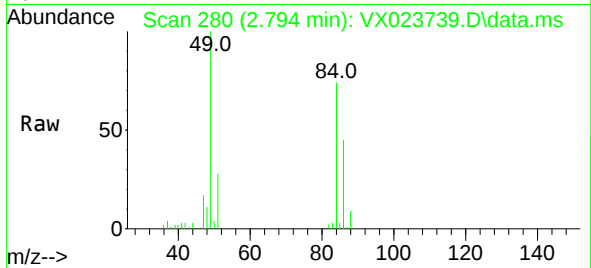




#20
Methylene Chloride
Concen: 7.595 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

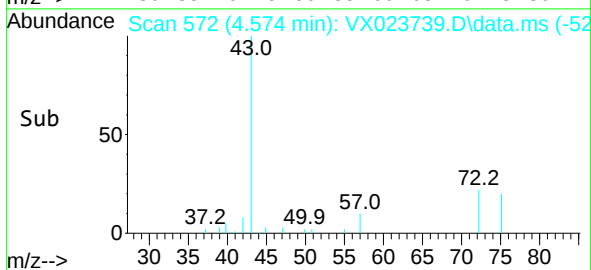
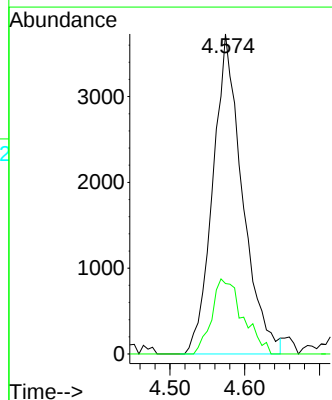
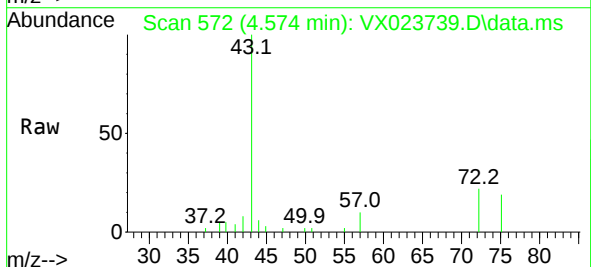
Instrument :
MSVOA_X
ClientSampled :

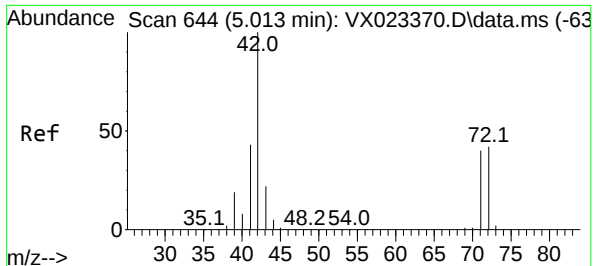
Tgt Ion:	84	Resp:	12387
Ion	Ratio	Lower	Upper
84	100		
49	135.2	88.6	132.8#
51	37.4	27.0	40.6
86	61.2	50.3	75.5



#25
2-Butanone
Concen: 7.882 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

Tgt Ion:	43	Resp:	10260
Ion	Ratio	Lower	Upper
43	100		
72	22.0	23.7	35.5#





#29

Tetrahydrofuran

Concen: 1.082 ug/l

RT: 5.038 min Scan# 648

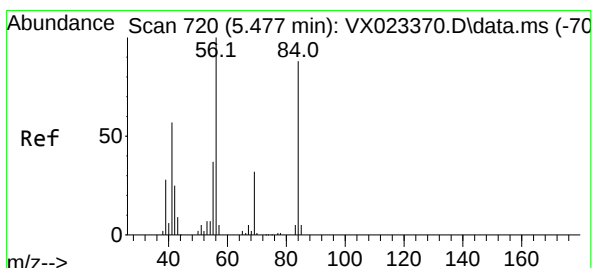
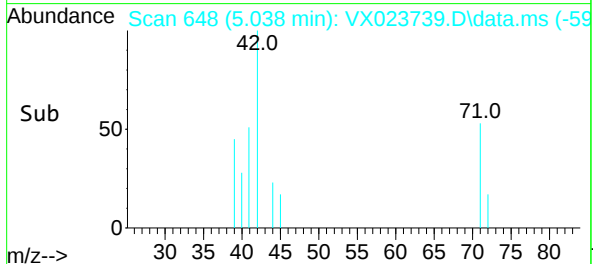
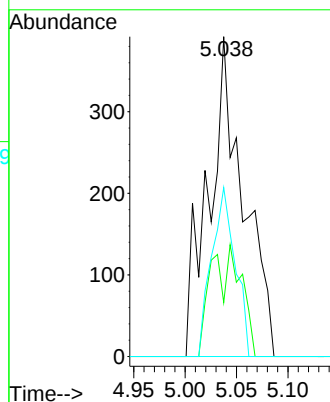
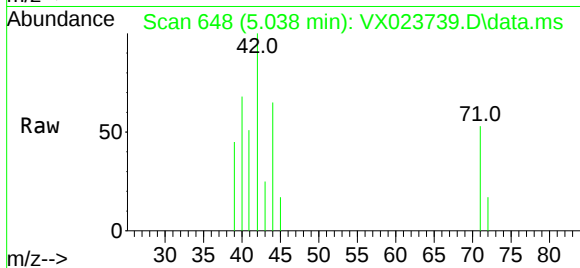
Delta R.T. 0.025 min

Lab File: VX023739.D

Acq: 16 Aug 2021 15:37

Tgt Ion:	42	Resp:	923
Ion	Ratio	Lower	Upper
42	100		
72	14.8	41.7	62.5#
71	35.9	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.200 ug/l

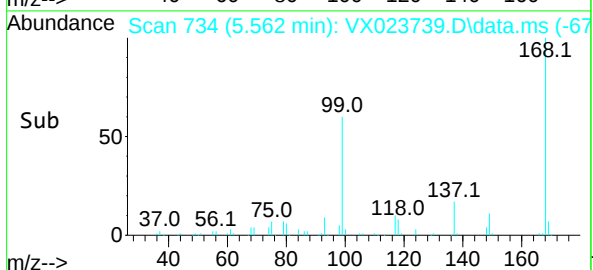
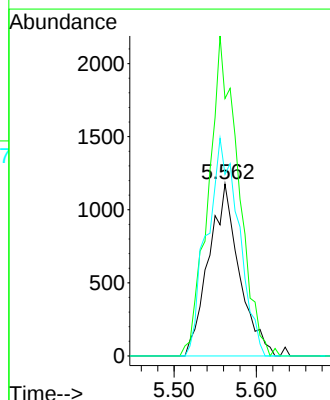
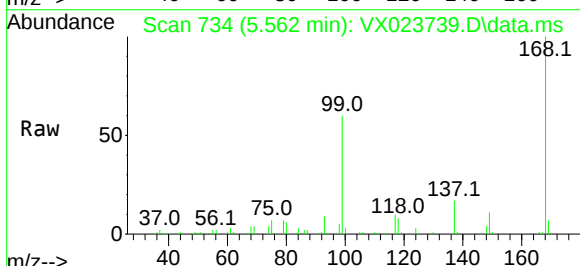
RT: 5.562 min Scan# 734

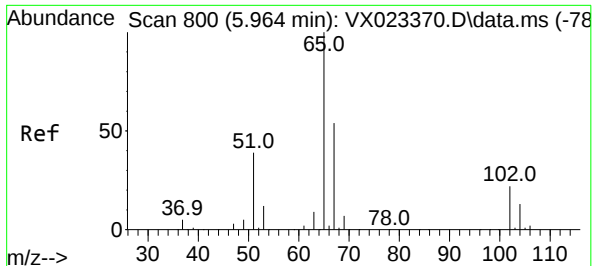
Delta R.T. 0.085 min

Lab File: VX023739.D

Acq: 16 Aug 2021 15:37

Tgt Ion:	56	Resp:	3039
Ion	Ratio	Lower	Upper
56	100		
69	149.6	25.3	37.9#
84	105.5	71.4	107.0



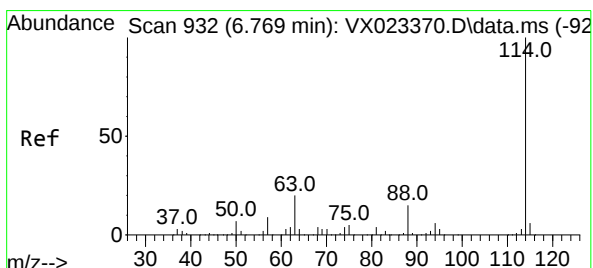
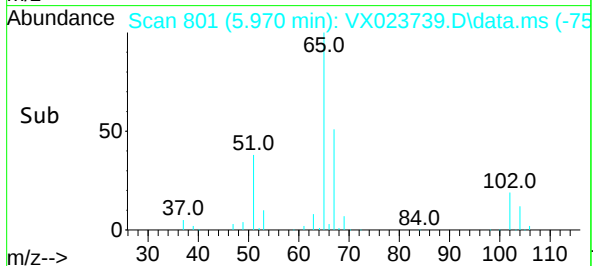
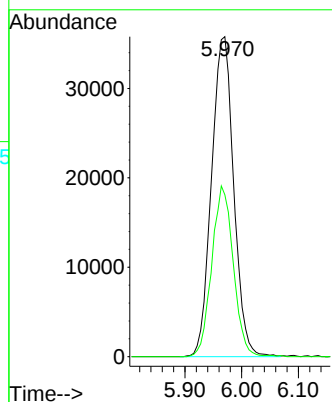
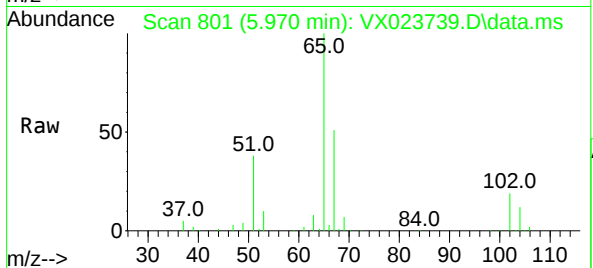


#33

1,2-Dichloroethane-d4
Concen: 56.905 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

Instrument :
MSVOA_X
ClientSampled :

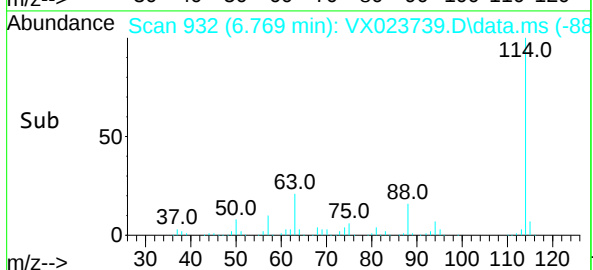
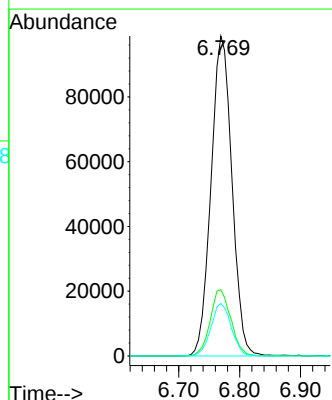
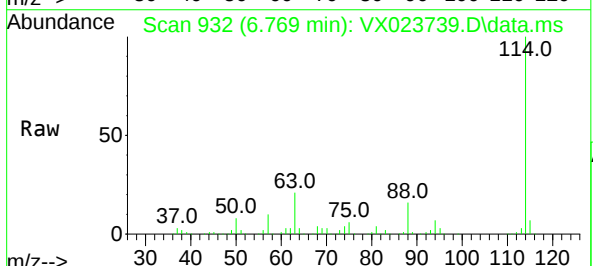
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Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.4

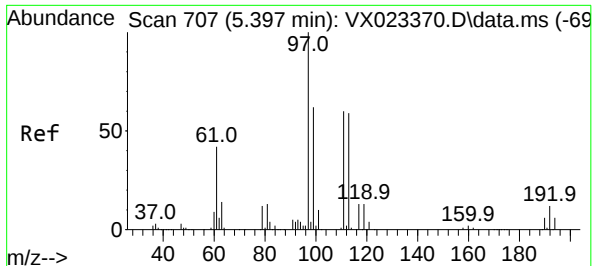


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

Tgt Ion: 114 Resp: 235589
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.631 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023739.D

Acq: 16 Aug 2021 15:37

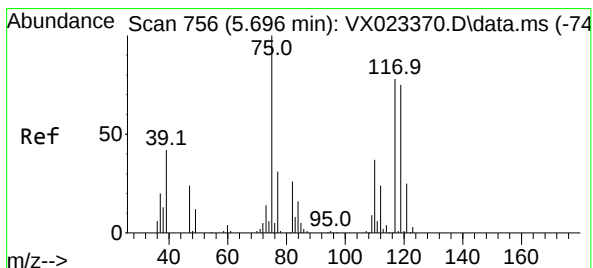
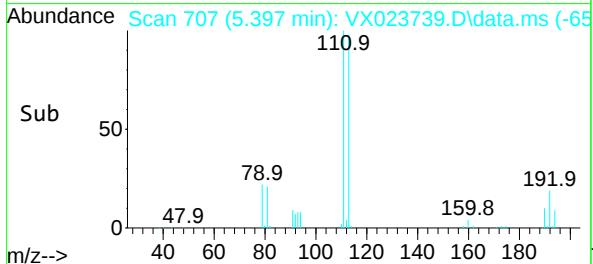
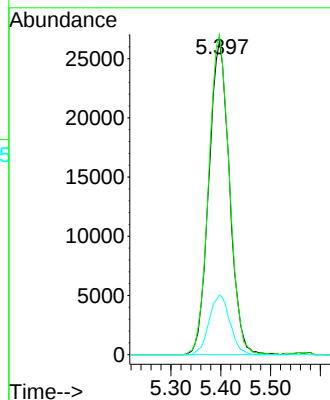
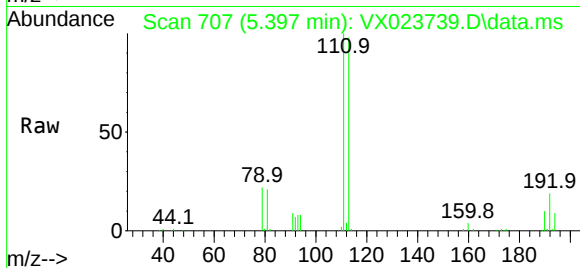
Tgt Ion:113 Resp: 76053

Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

192 19.1 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.065 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX023739.D

Acq: 16 Aug 2021 15:37

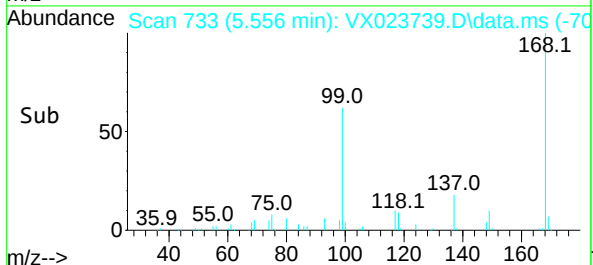
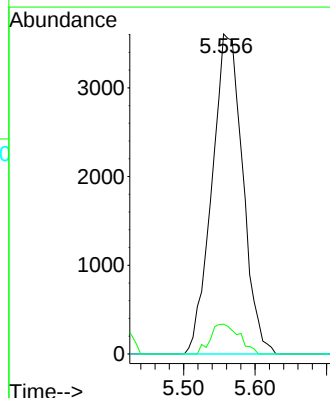
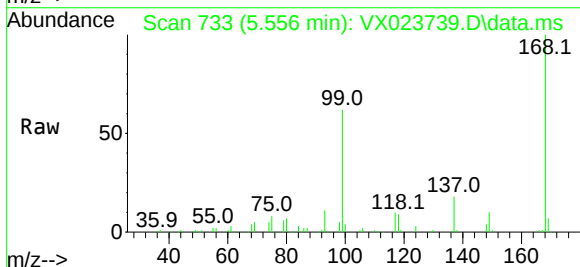
Tgt Ion: 75 Resp: 10795

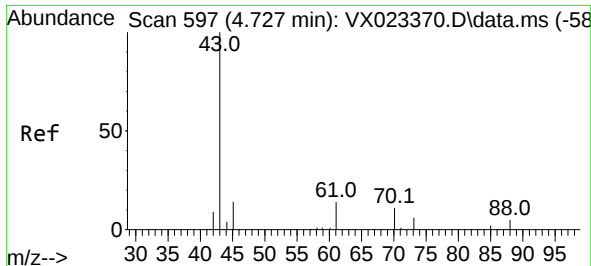
Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.4#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.250 ug/l

RT: 4.733 min Scan# 598

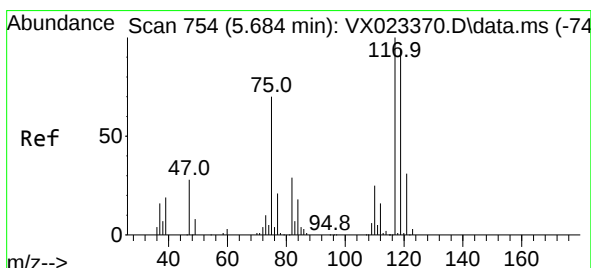
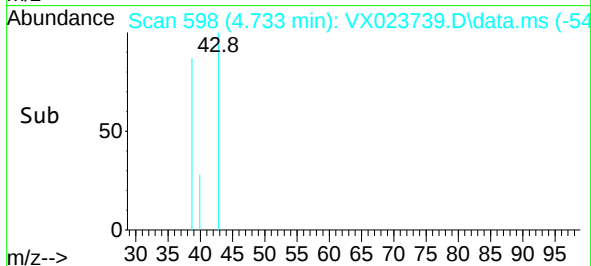
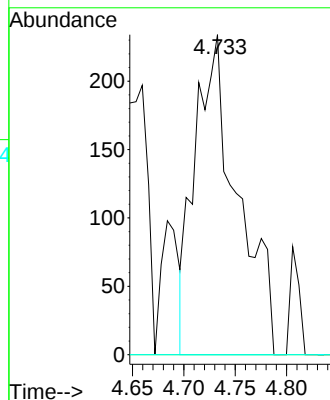
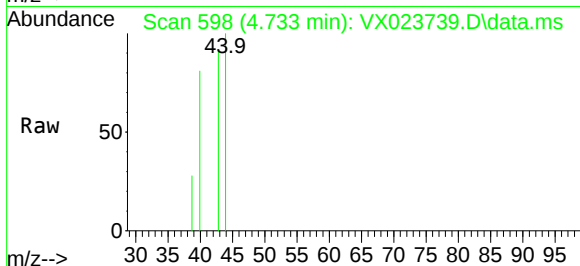
Delta R.T. 0.006 min

Lab File: VX023739.D

Acq: 16 Aug 2021 15:37

Tgt Ion:	43	Resp:	672
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#

Instrument :
MSVOA_X
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.399 ug/l

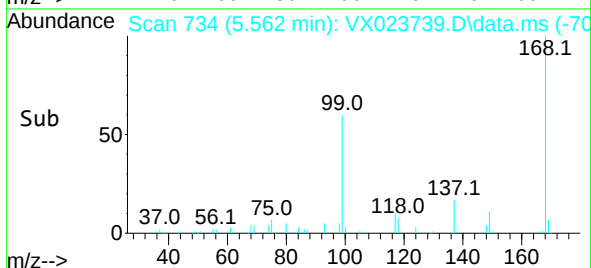
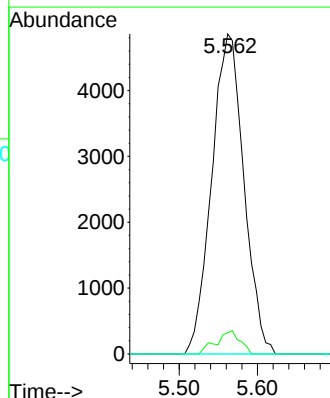
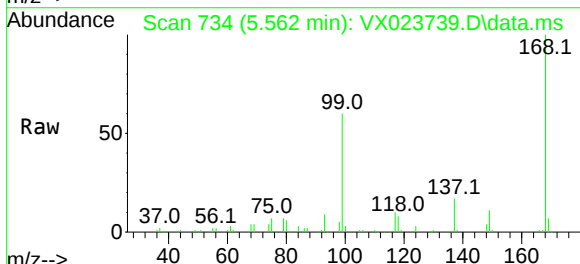
RT: 5.562 min Scan# 734

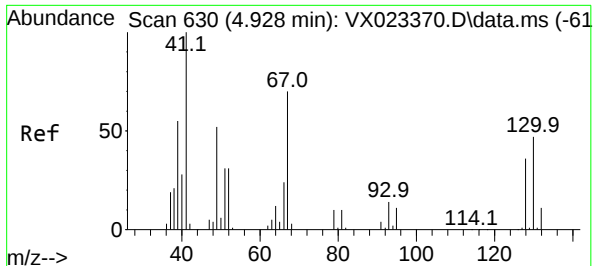
Delta R.T. -0.122 min

Lab File: VX023739.D

Acq: 16 Aug 2021 15:37

Tgt Ion:	117	Resp:	13868
Ion	Ratio	Lower	Upper
117	100		
119	6.6	76.2	114.2#
121	0.0	24.8	37.2#

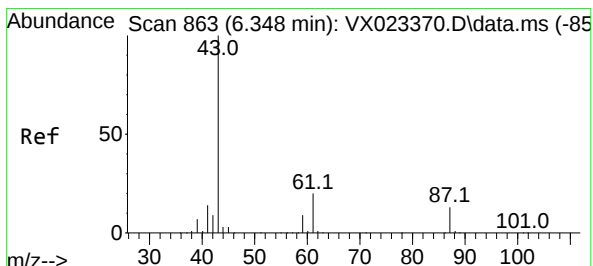
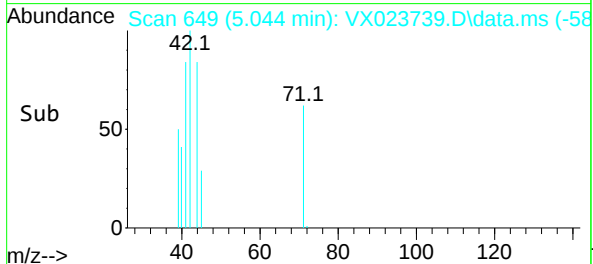
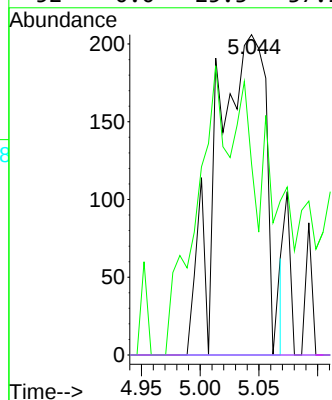
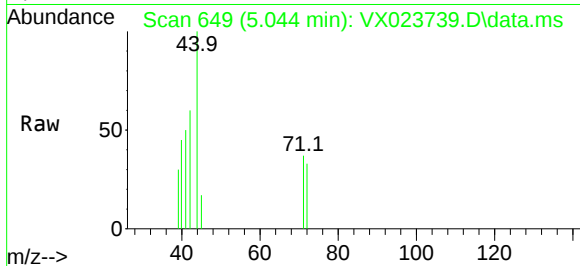




#41
Methacrylonitrile
Concen: 0.430 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

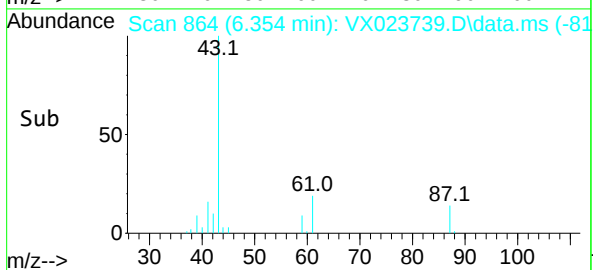
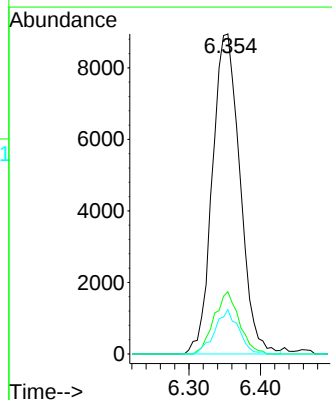
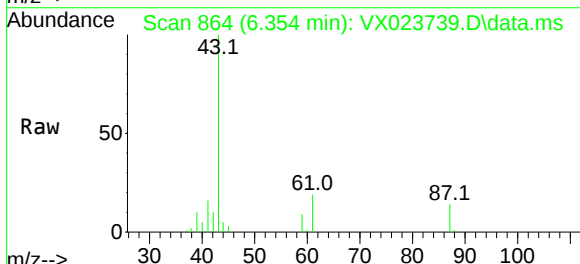
Instrument :
MSVOA_X
ClientSampled :

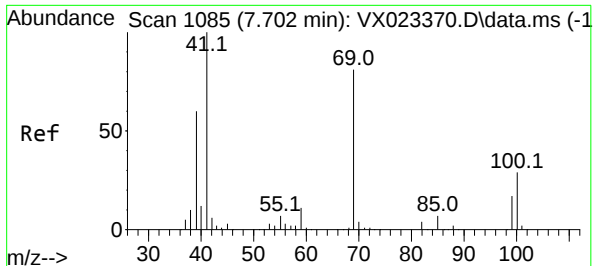
Tgt Ion:	41	Resp:	610
Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 5.748 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

Tgt Ion:	43	Resp:	23935
Ion	Ratio	Lower	Upper
43	100		
61	17.8	18.2	27.4#
87	11.9	12.5	18.7#

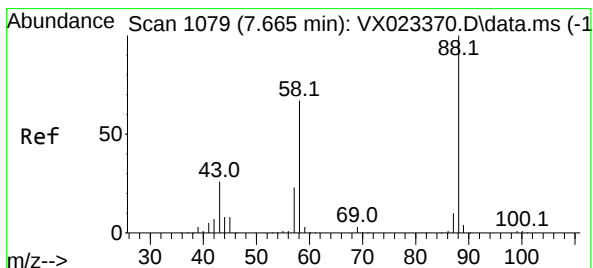
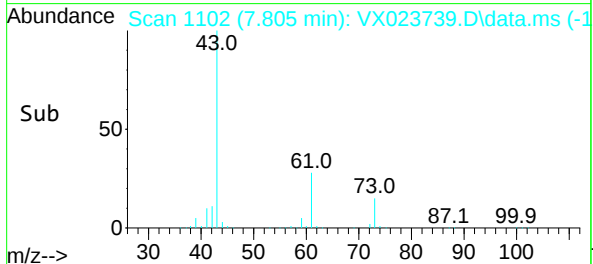
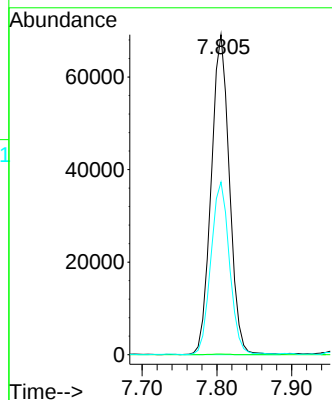
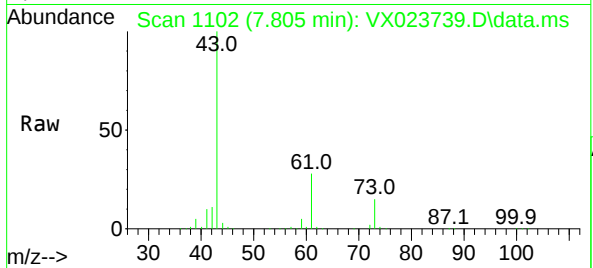




#48
Methyl methacrylate
Concen: 60.727 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

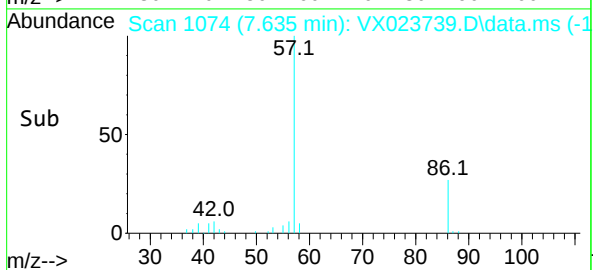
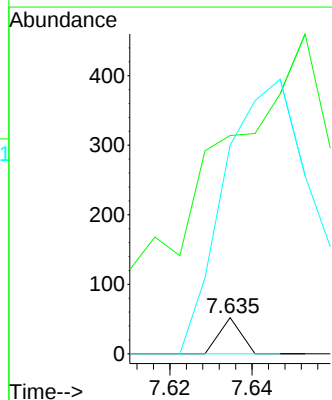
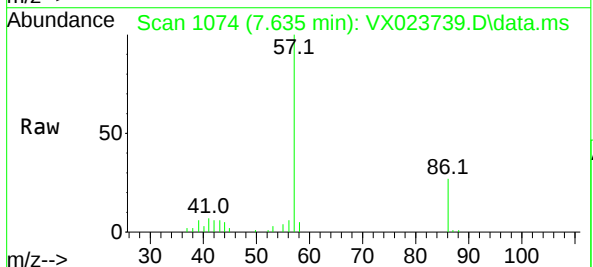
Instrument :
MSVOA_X
ClientSampleId :

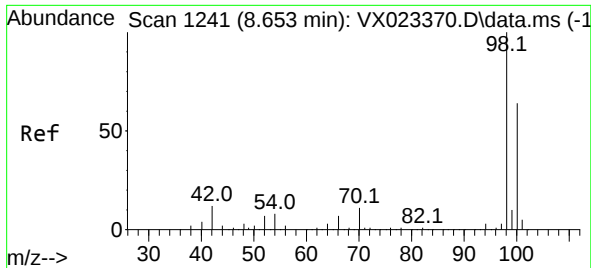
Tgt Ion: 41 Resp: 117104
Ion Ratio Lower Upper
41 100
69 0.2 76.0 114.0#
39 55.2 44.6 67.0



#49
1,4-Dioxane
Concen: 0.463 ug/l
RT: 7.635 min Scan# 1074
Delta R.T. -0.030 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 3136.8 55.0 82.4#

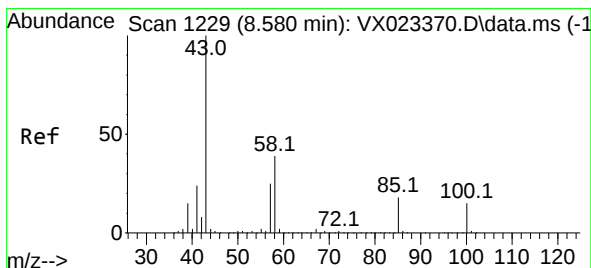
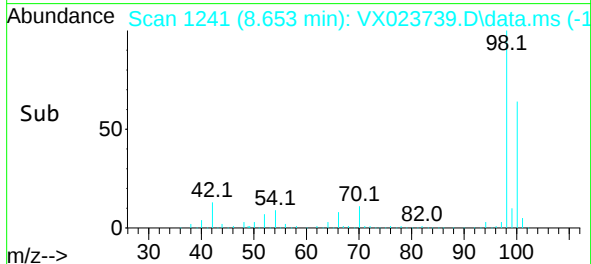
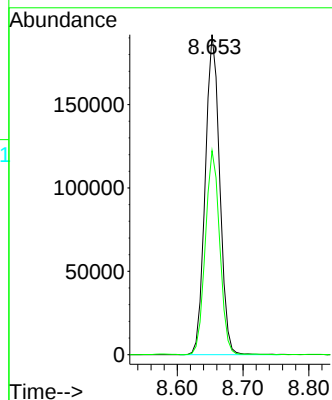
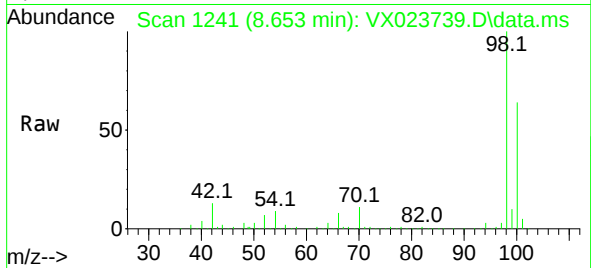




#50
Toluene-d8
Concen: 54.308 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

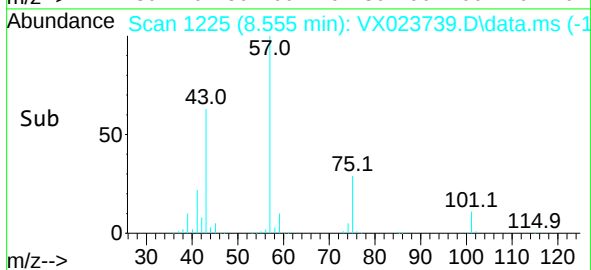
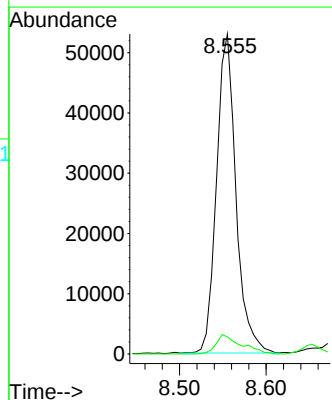
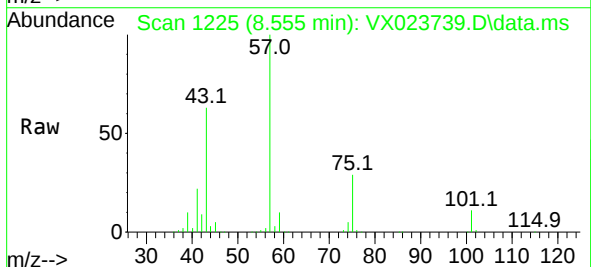
Instrument :
MSVOA_X
ClientSampled :

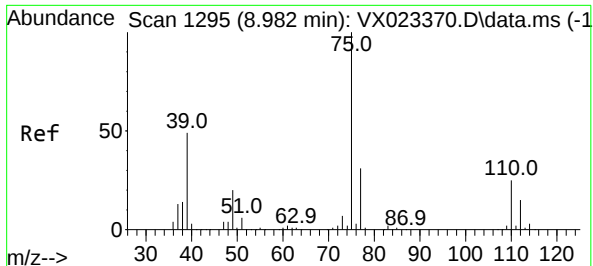
Tgt Ion: 98 Resp: 293905
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 32.393 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

Tgt Ion: 43 Resp: 82498
Ion Ratio Lower Upper
43 100
58 7.8 35.4 53.0#

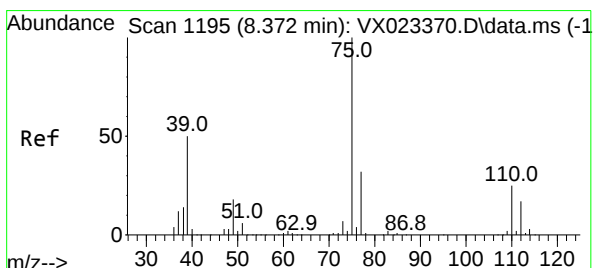
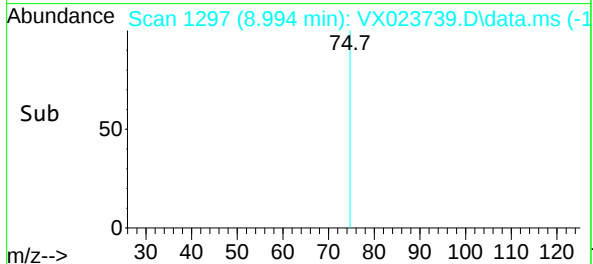
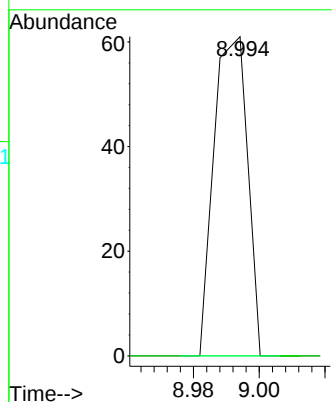
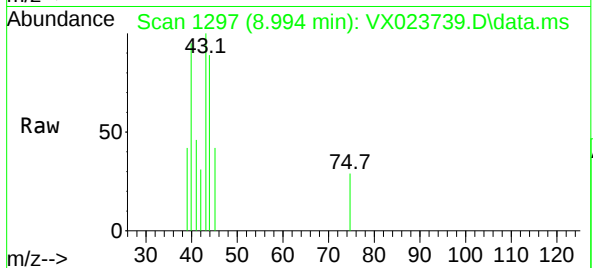




#53
t-1,3-Dichloropropene
Concen: 1.833 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.012 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

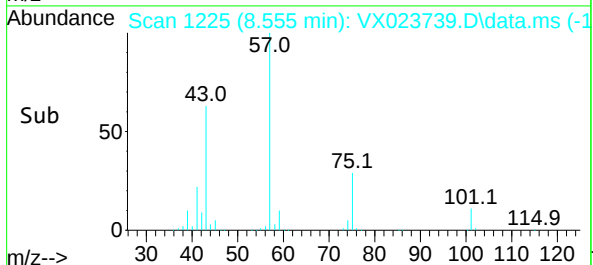
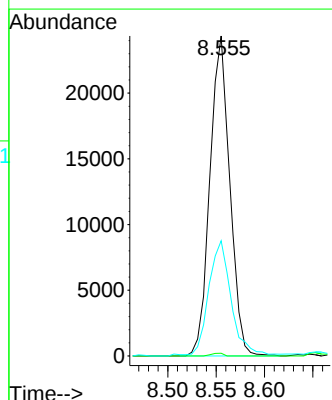
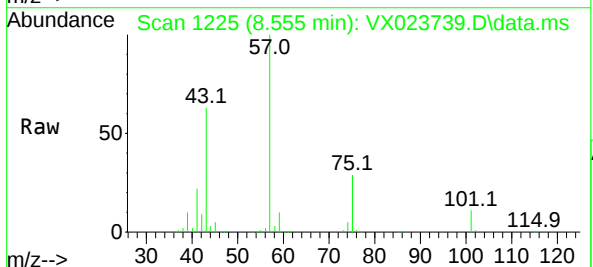
Instrument :
MSVOA_X
ClientSampled :

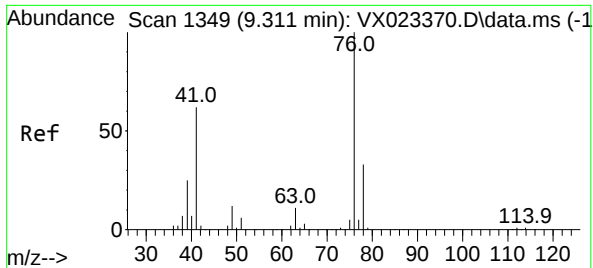
Tgt Ion: 75 Resp: 43
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 13.659 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

Tgt Ion: 75 Resp: 34792
Ion Ratio Lower Upper
75 100
77 0.8 25.7 38.5#
39 35.6 35.1 52.7



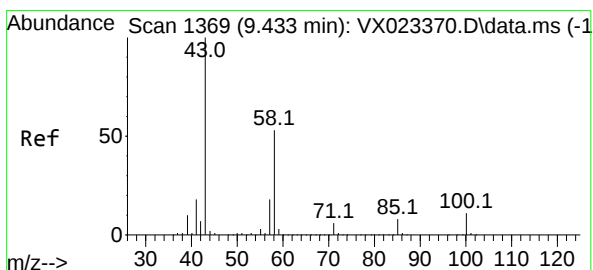
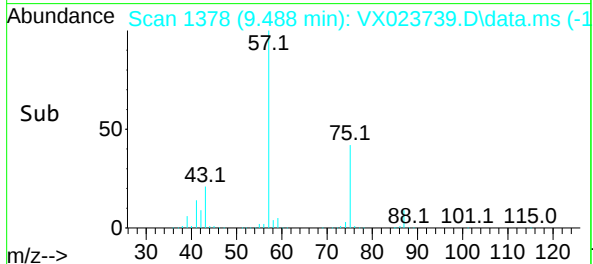
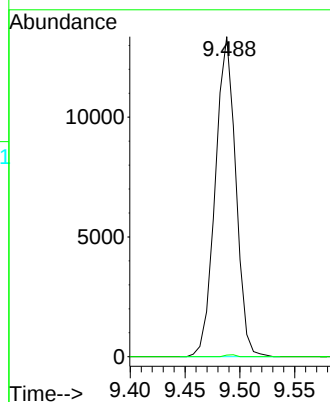
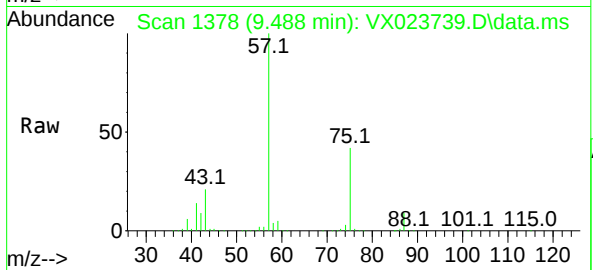


#57

1,3-Dichloropropane
Concen: 6.461 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

Instrument :
MSVOA_X
ClientSampled :

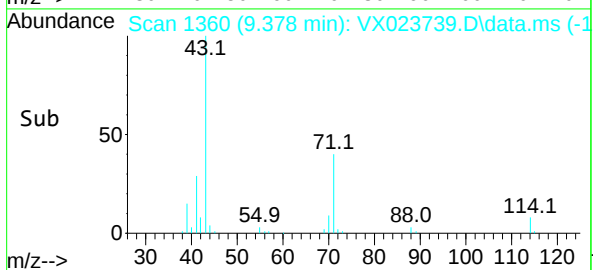
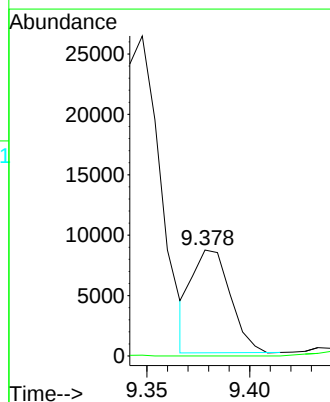
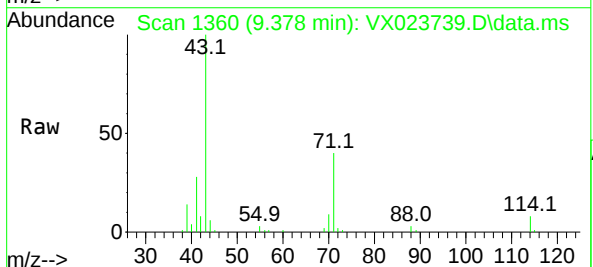
Tgt Ion: 76 Resp: 17403
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#

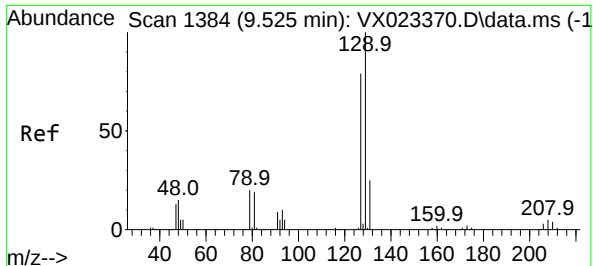


#59

2-Hexanone
Concen: 5.714 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

Tgt Ion: 43 Resp: 11050
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

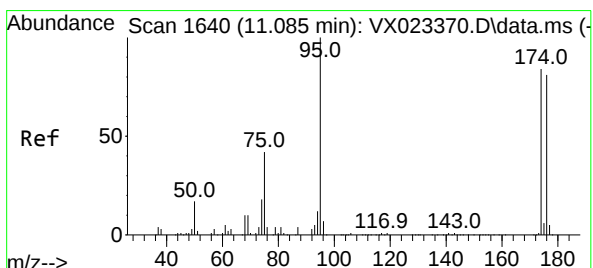
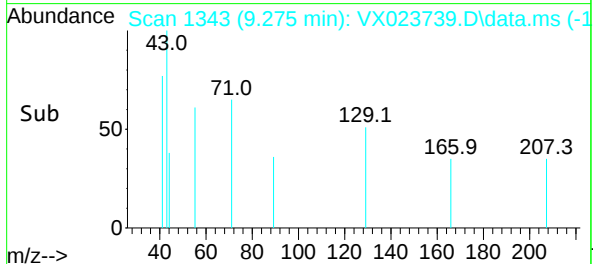
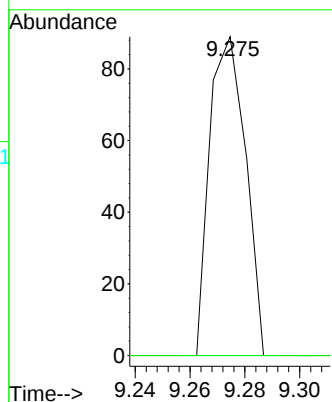
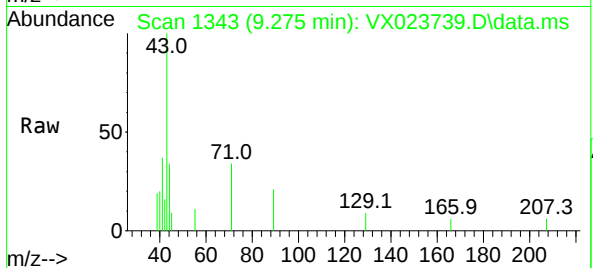




#60
Dibromochloromethane
Concen: 2.027 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

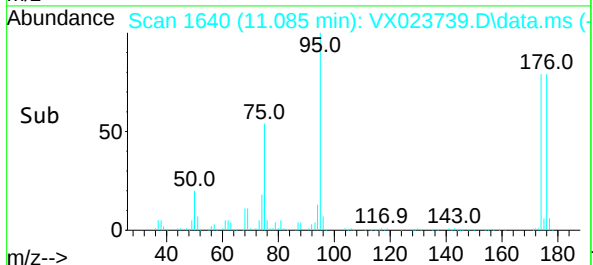
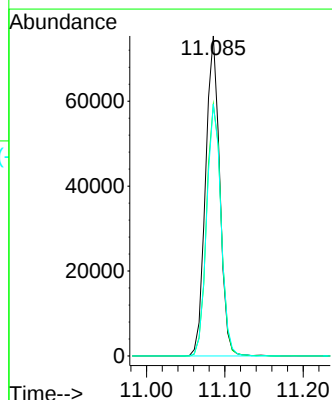
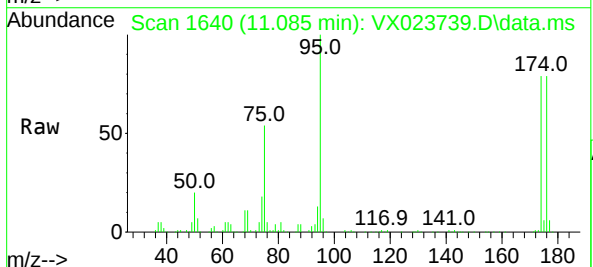
Instrument :
MSVOA_X
ClientSampleId :

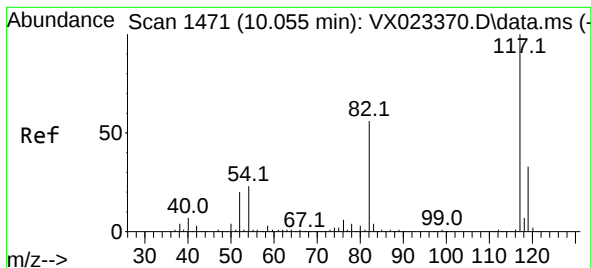
Tgt Ion:129 Resp: 81
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 51.301 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

Tgt Ion: 95 Resp: 94407
Ion Ratio Lower Upper
95 100
174 80.1 0.0 154.6
176 79.5 0.0 155.8

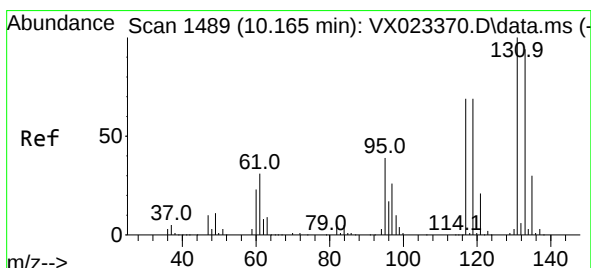
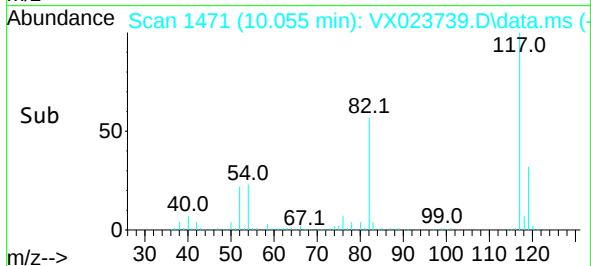
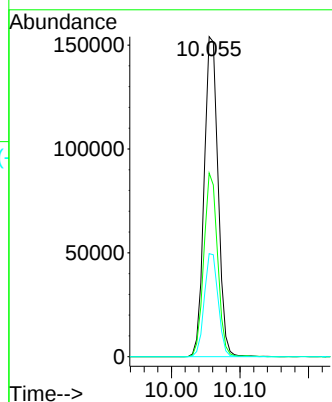
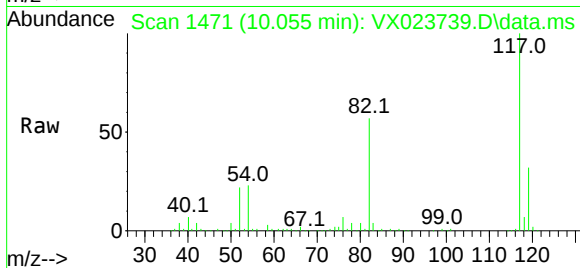




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

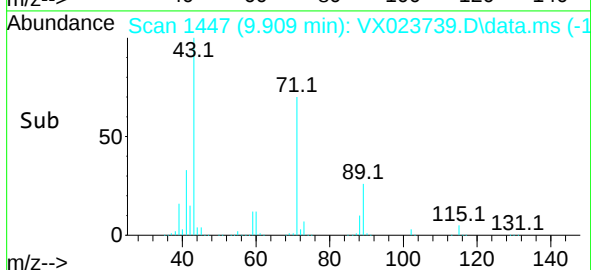
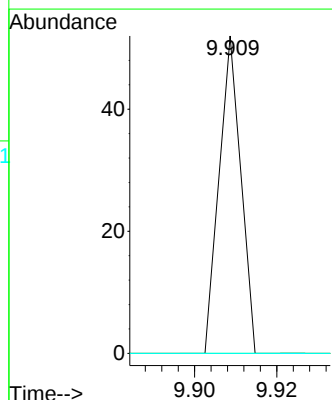
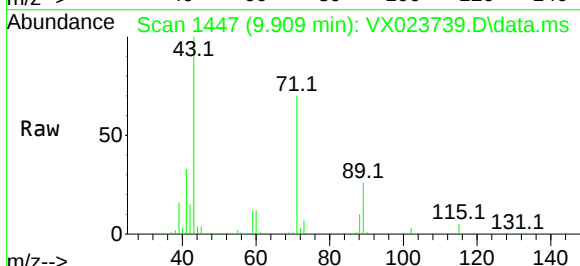
Instrument :
MSVOA_X
ClientSampled :

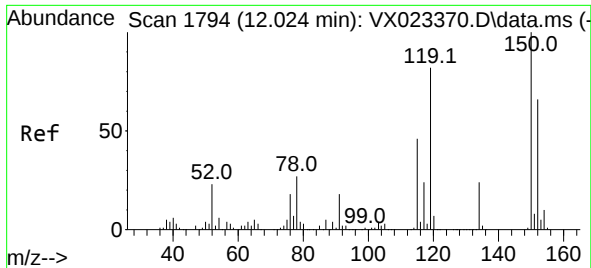
Tgt Ion:117 Resp: 217931
Ion Ratio Lower Upper
117 100
82 57.4 47.4 71.2
119 32.2 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 0.985 ug/l
RT: 9.909 min Scan# 1447
Delta R.T. -0.256 min
Lab File: VX023739.D
Acq: 16 Aug 2021 15:37

Tgt Ion:131 Resp: 19
Ion Ratio Lower Upper
131 100
133 0.0 47.7 143.1#
119 0.0 32.1 96.5#

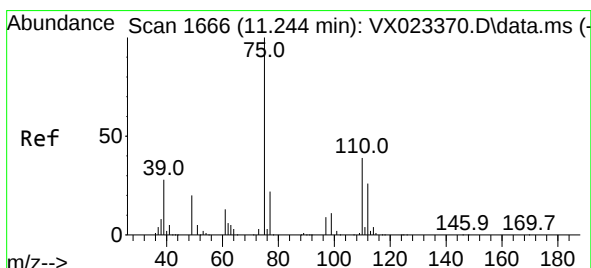
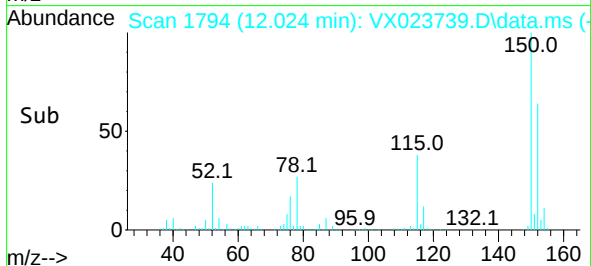
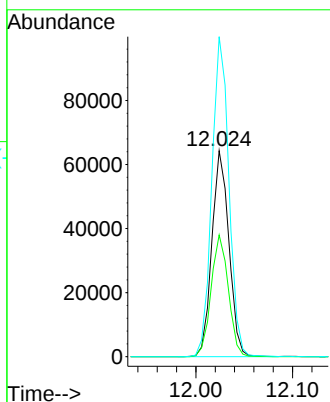
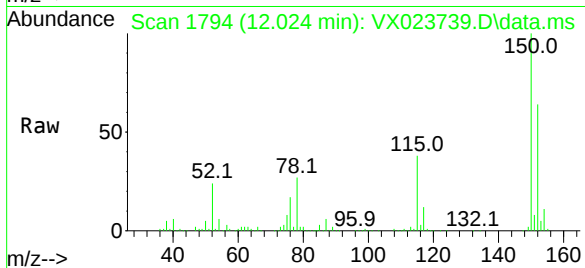




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023739.D
 Acq: 16 Aug 2021 15:37

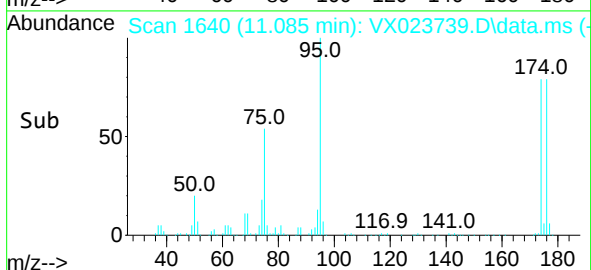
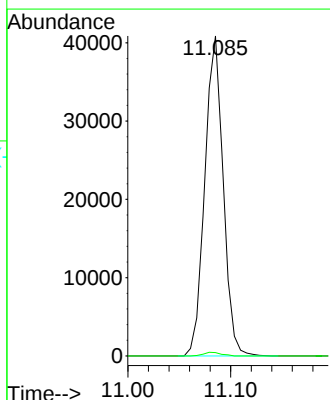
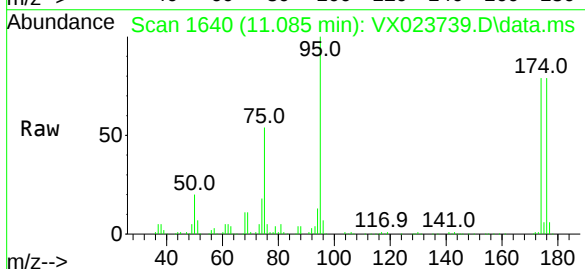
Instrument :
 MSVOA_X
 ClientSampled :

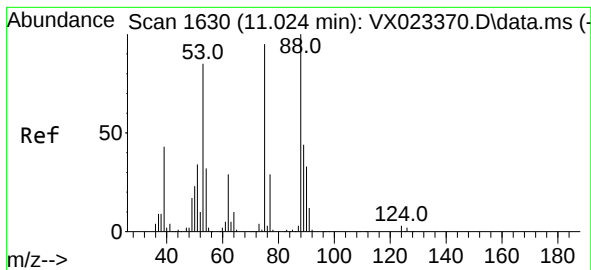
Tgt Ion:152 Resp: 78777
 Ion Ratio Lower Upper
 152 100
 115 59.7 41.1 123.3
 150 155.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 29.305 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023739.D
 Acq: 16 Aug 2021 15:37

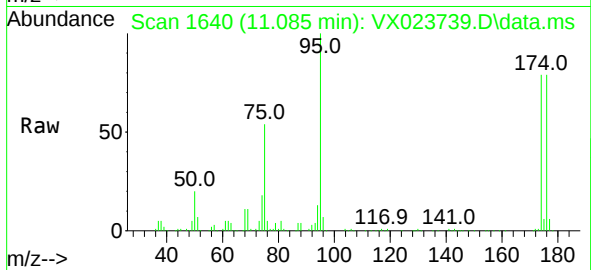
Tgt Ion: 75 Resp: 50801
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.797 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023739.D
 Acq: 16 Aug 2021 15:37

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	75	Resp:	50801
Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.5	111.7#
89	0.1	37.9	56.9#

