

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081621\
 Data File : VX023738.D
 Acq On : 16 Aug 2021 15:13
 Operator : JC/MD
 Sample : M3398-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 17 06:17:10 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)

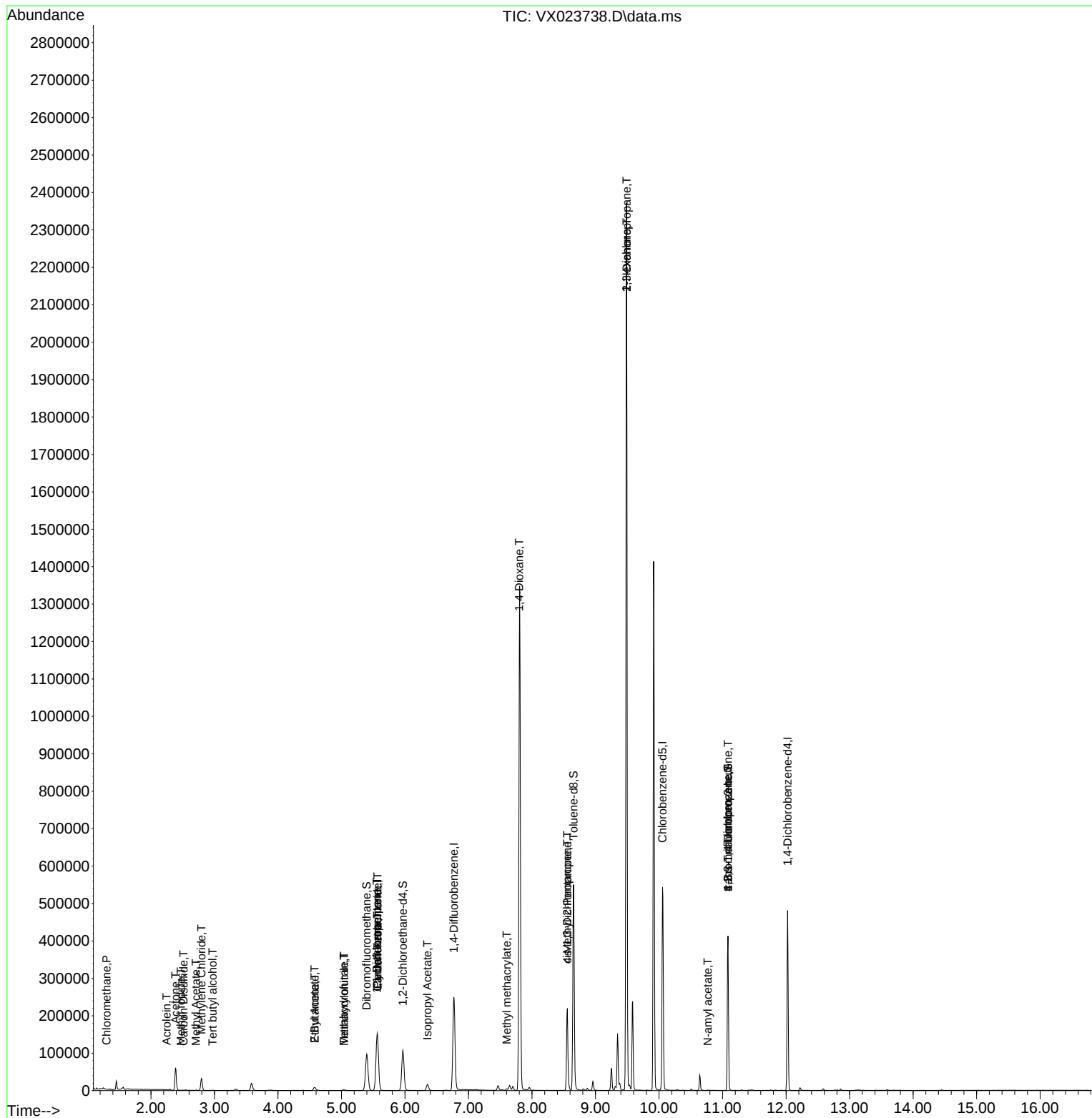
Internal Standards						
1) Pentafluorobenzene	5.562	168	145156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	253037	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237932	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	103928	57.397	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.800%			
35) Dibromofluoromethane	5.397	113	81136	51.284	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.560%			
50) Toluene-d8	8.653	98	313380	53.913	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.820%			
62) 4-Bromofluorobenzene	11.085	95	105592	53.422	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.840%			
Target Compounds						Qvalue
3) Chloromethane	1.301	50	313	0.201	ug/l	98
10) Methyl Iodide	2.471	142	635	0.353	ug/l #	87
11) Tert butyl alcohol	2.971	59	647	1.564	ug/l #	73
13) Acrolein	2.245	56	388	3.199	ug/l #	65
16) Acetone	2.386	43	63253	71.213	ug/l	91
17) Carbon Disulfide	2.514	76	1142	0.325	ug/l #	90
18) Methyl Acetate	2.709	43	1717	0.813	ug/l #	80
20) Methylene Chloride	2.794	84	14286	8.269	ug/l	89
25) 2-Butanone	4.574	43	15267	11.072	ug/l	93
29) Tetrahydrofuran	5.038	42	1694	1.874	ug/l #	82
31) Cyclohexane	5.562	56	3307	1.233	ug/l #	21
36) 1,1-Dichloropropene	5.556	75	11321	4.946	ug/l #	49
37) Ethyl Acetate	4.574	43	15267	5.290	ug/l #	64
38) Carbon Tetrachloride	5.568	117	14997	6.442	ug/l #	17
41) Methacrylonitrile	5.044	41	952	0.625	ug/l #	42
43) Isopropyl Acetate	6.355	43	21839	4.883	ug/l #	92
48) Methyl methacrylate	7.604	41	6477	3.127	ug/l #	10
49) 1,4-Dioxane	7.799	88	163	3.696	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	78024	28.524	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	32256	11.790	ug/l #	67
57) 1,3-Dichloropropane	9.488	76	19308	6.674	ug/l #	43
59) 2-Hexanone	9.488	43	280690	135.131	ug/l #	43
74) N-amyl acetate	10.768	43	811	0.243	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	56370	26.462	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	56370	71.153	ug/l #	12

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

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MSVOA_X
ClientSampleId :

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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

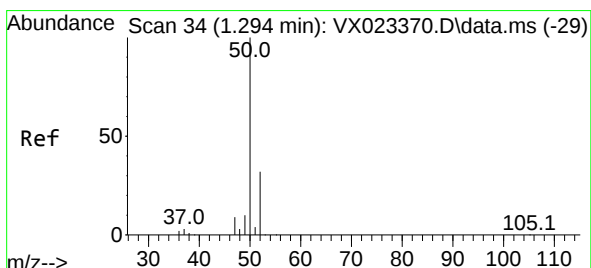
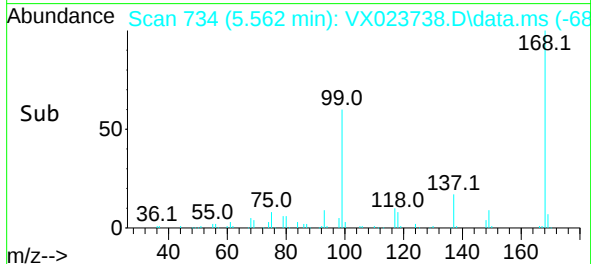
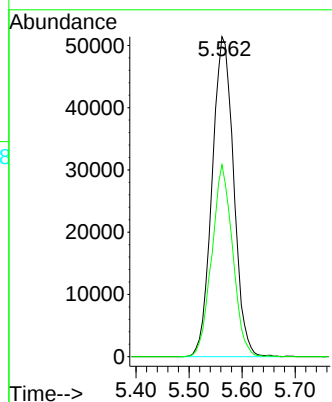
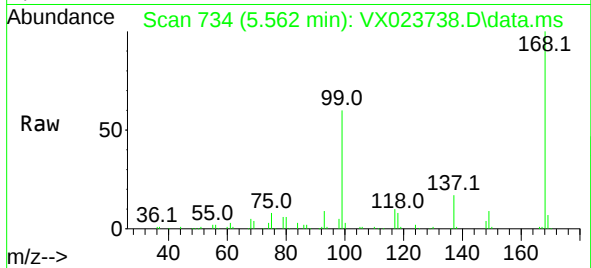




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

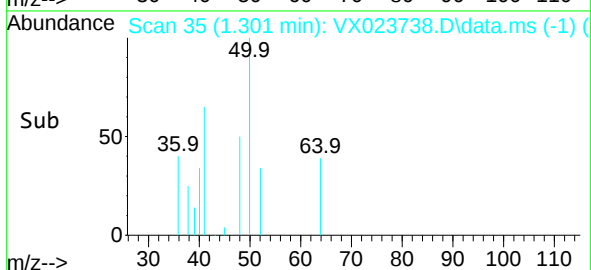
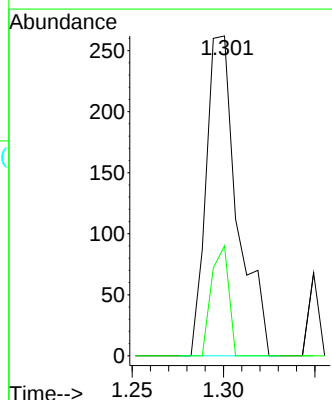
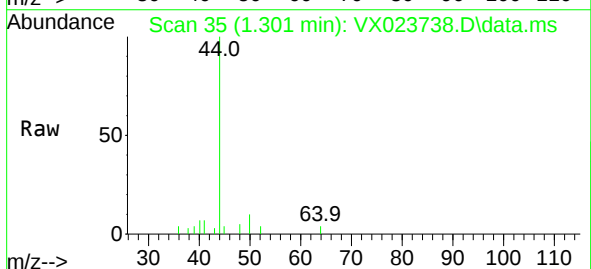
Instrument :
MSVOA_X
ClientSampled :

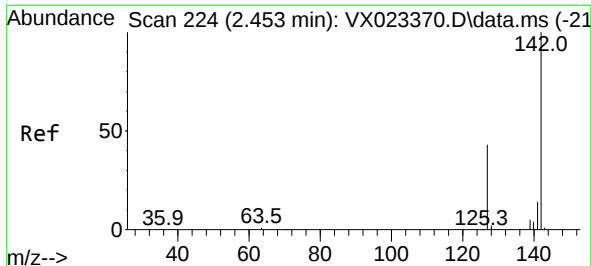
Tgt Ion:168 Resp: 145156
Ion Ratio Lower Upper
168 100
99 60.0 45.8 68.6



#3
Chloromethane
Concen: 0.201 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

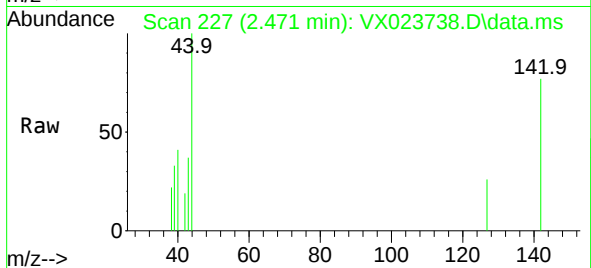
Tgt Ion: 50 Resp: 313
Ion Ratio Lower Upper
50 100
52 34.4 26.4 39.6



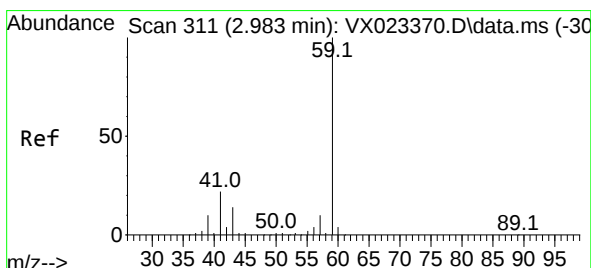
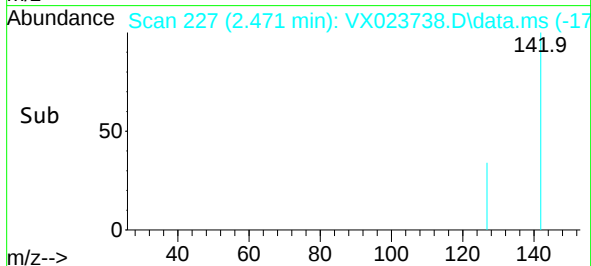
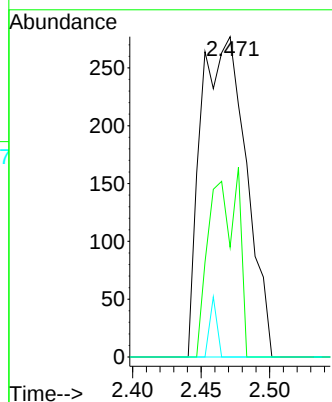


#10
Methyl Iodide
Concen: 0.353 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

Instrument :
MSVOA_X
ClientSampled :

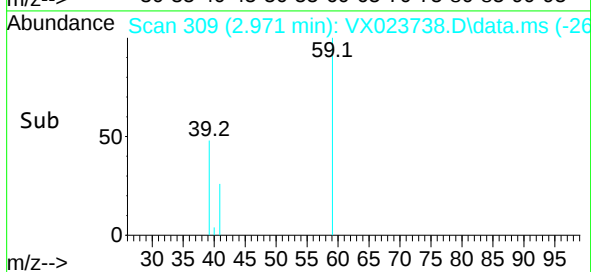
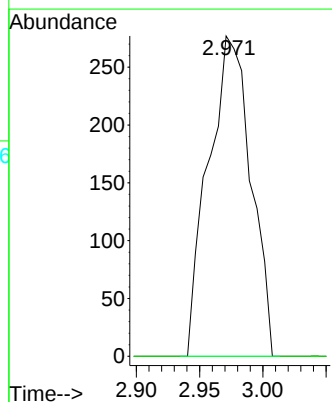
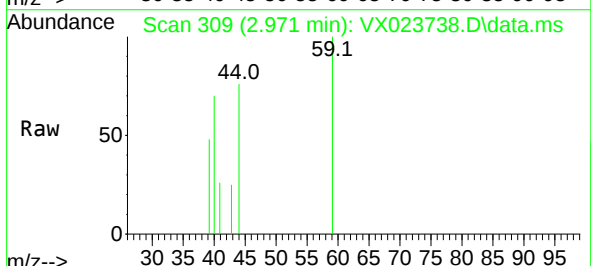


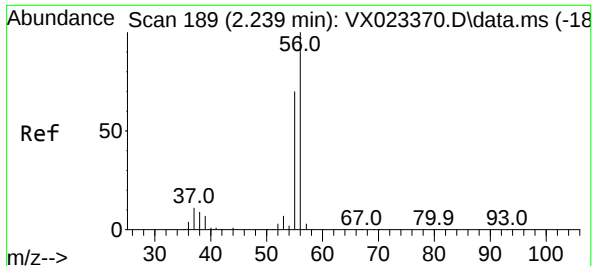
Tgt Ion:142 Resp: 635
Ion Ratio Lower Upper
142 100
127 36.7 33.3 49.9
141 3.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.564 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

Tgt Ion: 59 Resp: 647
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

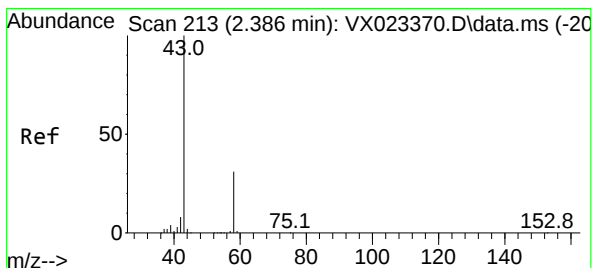
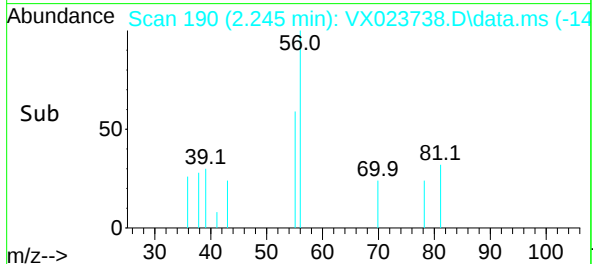
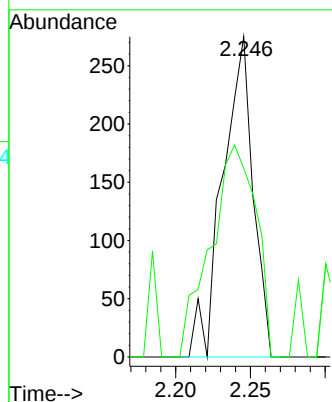
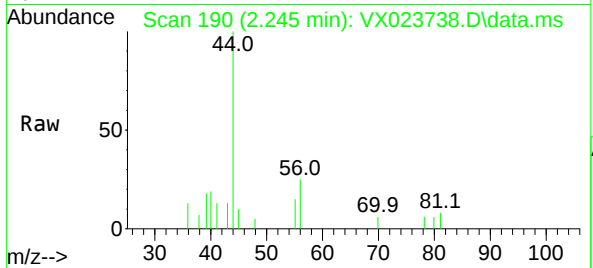




#13
Acrolein
Concen: 3.199 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

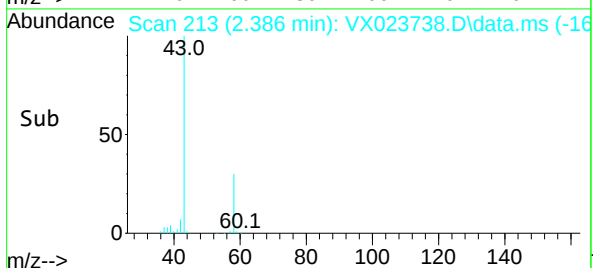
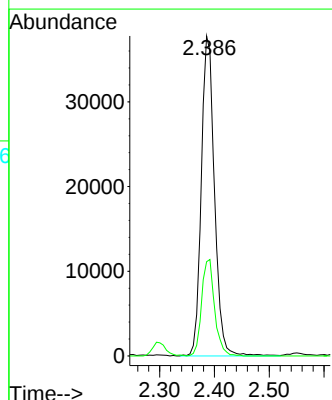
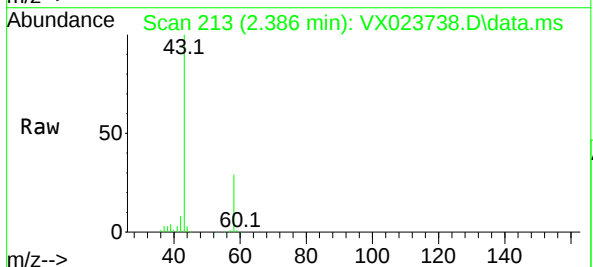
Instrument :
MSVOA_X
ClientSampled :

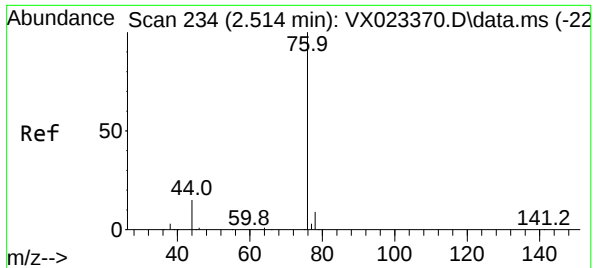
Tgt Ion: 56 Resp: 388
Ion Ratio Lower Upper
56 100
55 99.2 56.4 84.6#



#16
Acetone
Concen: 71.213 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

Tgt Ion: 43 Resp: 63253
Ion Ratio Lower Upper
43 100
58 29.4 27.8 41.8

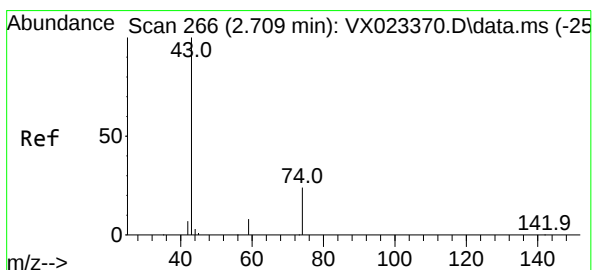
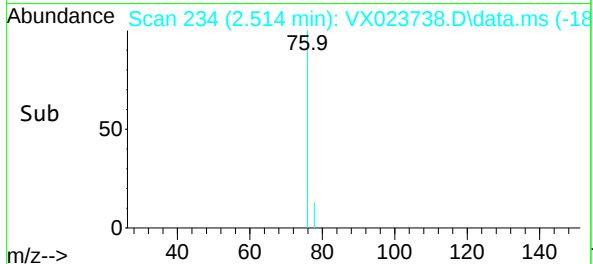
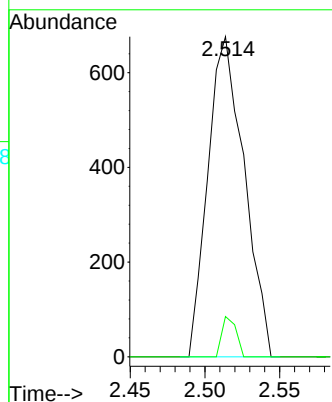
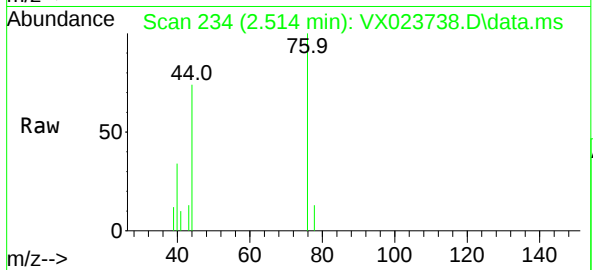




#17
Carbon Disulfide
Concen: 0.325 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

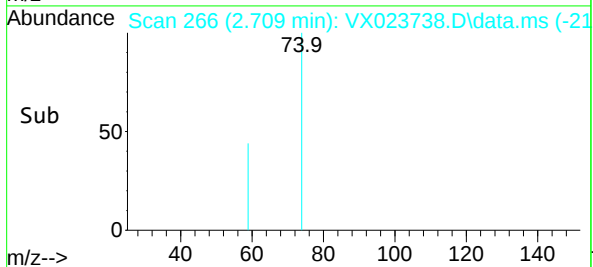
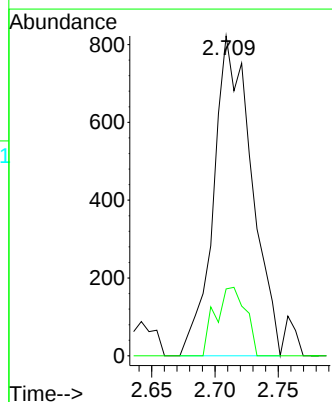
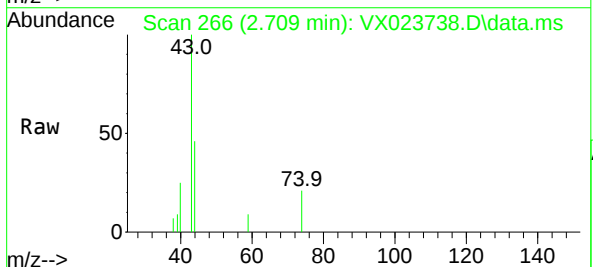
Instrument :
MSVOA_X
ClientSampled :

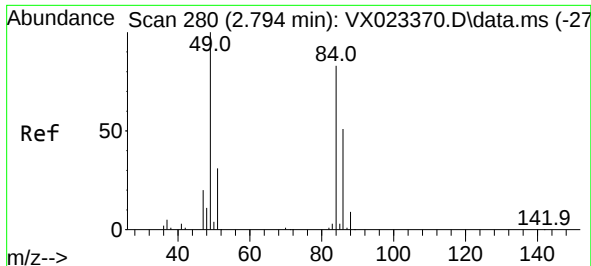
Tgt Ion: 76 Resp: 1142
Ion Ratio Lower Upper
76 100
78 12.6 7.2 10.8#



#18
Methyl Acetate
Concen: 0.813 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

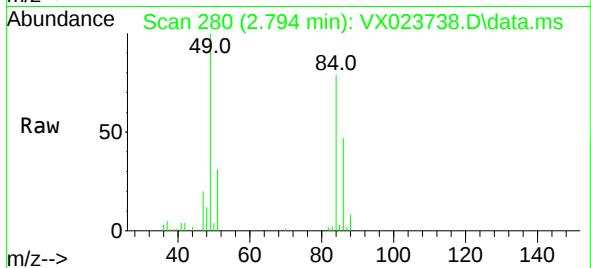
Tgt Ion: 43 Resp: 1717
Ion Ratio Lower Upper
43 100
74 17.0 21.9 32.9#



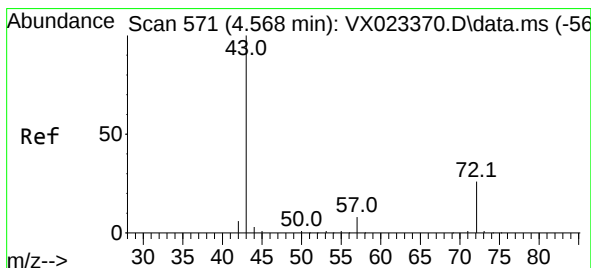
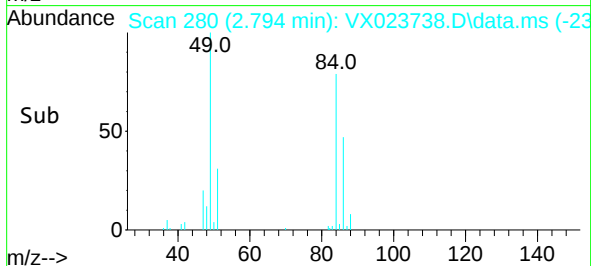
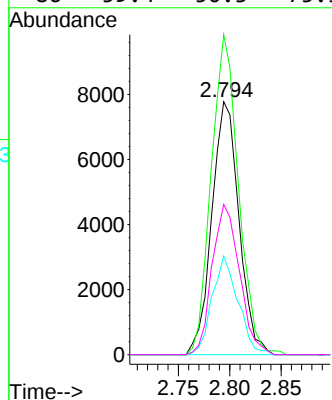


#20
Methylene Chloride
Concen: 8.269 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

Instrument :
MSVOA_X
ClientSampled :

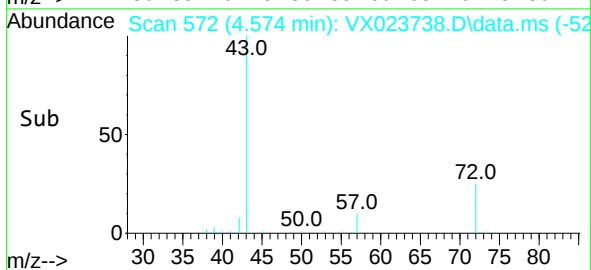
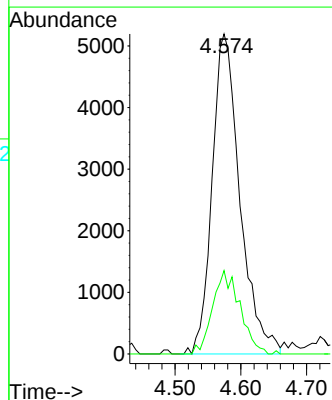
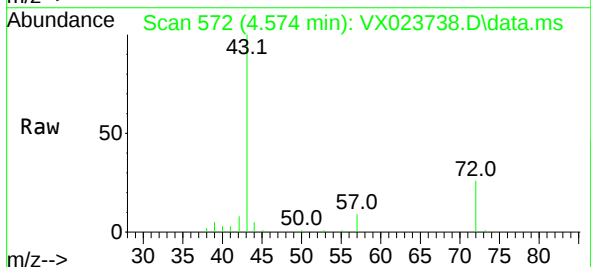


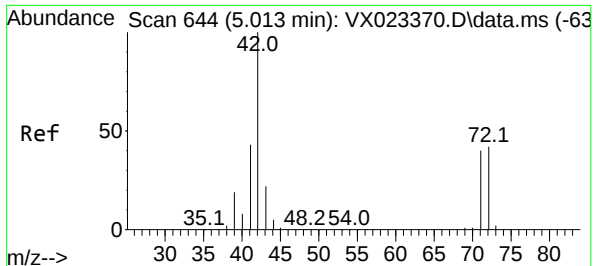
Tgt Ion:	84	Resp:	14286
Ion	Ratio	Lower	Upper
84	100		
49	126.5	88.6	132.8
51	39.0	27.0	40.6
86	59.4	50.3	75.5



#25
2-Butanone
Concen: 11.072 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

Tgt Ion:	43	Resp:	15267
Ion	Ratio	Lower	Upper
43	100		
72	26.1	23.7	35.5





#29

Tetrahydrofuran

Concen: 1.874 ug/l

RT: 5.038 min Scan# 648

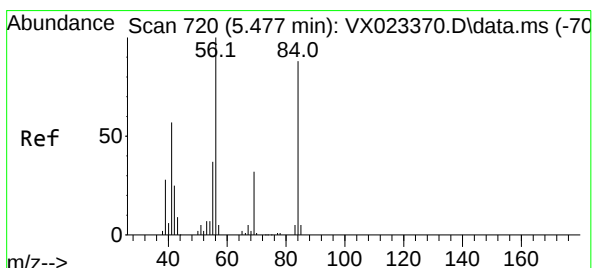
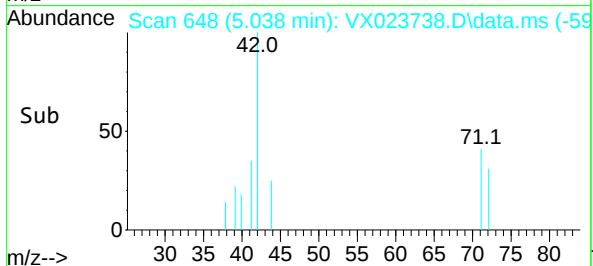
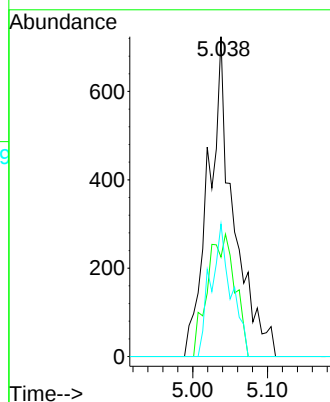
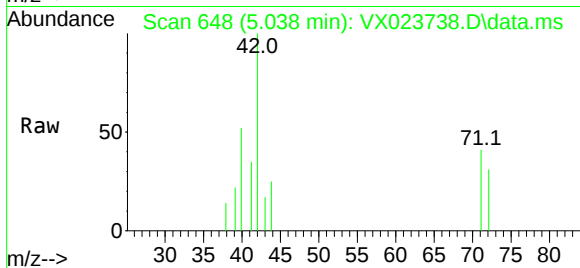
Delta R.T. 0.025 min

Lab File: VX023738.D

Acq: 16 Aug 2021 15:13

Tgt Ion:	42	Resp:	1694
Ion	Ratio	Lower	Upper
42	100		
72	41.9	41.7	62.5
71	33.9	38.4	57.6

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.233 ug/l

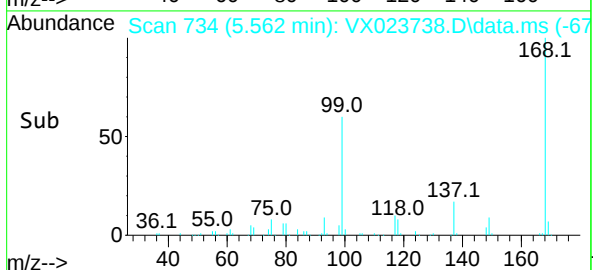
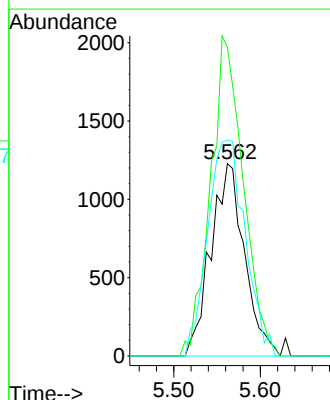
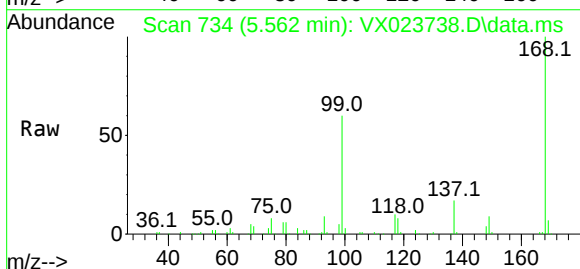
RT: 5.562 min Scan# 734

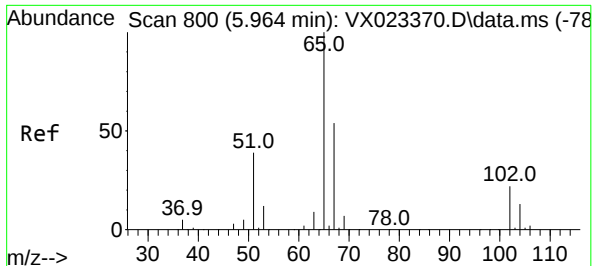
Delta R.T. 0.085 min

Lab File: VX023738.D

Acq: 16 Aug 2021 15:13

Tgt Ion:	56	Resp:	3307
Ion	Ratio	Lower	Upper
56	100		
69	160.7	25.3	37.9
84	112.3	71.4	107.0



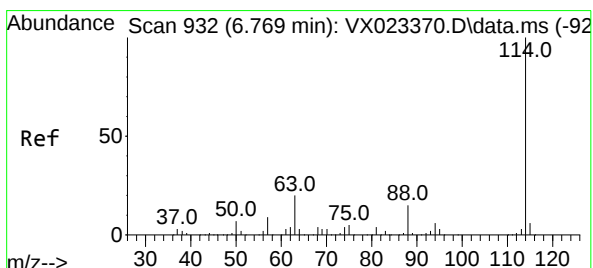
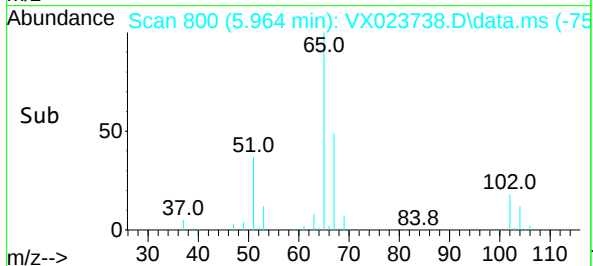
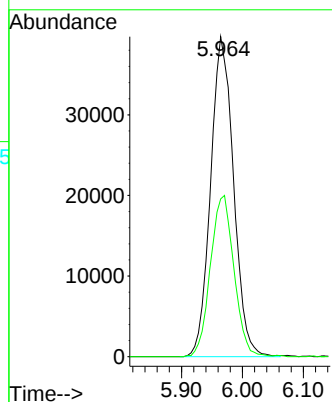
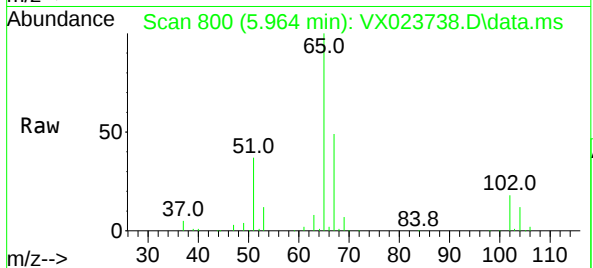


#33

1,2-Dichloroethane-d4
Concen: 57.397 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

Instrument :
MSVOA_X
ClientSampled :

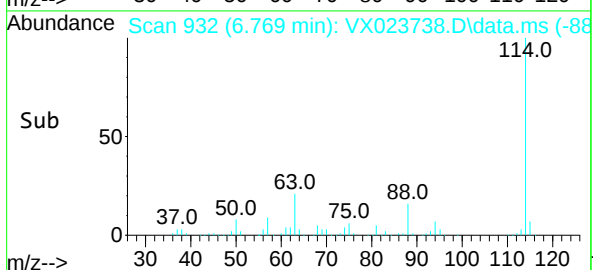
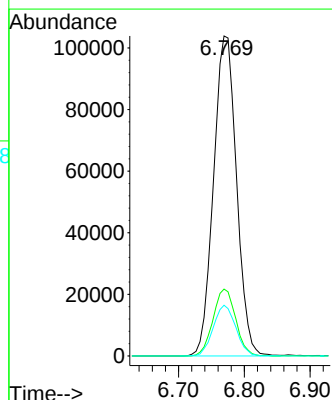
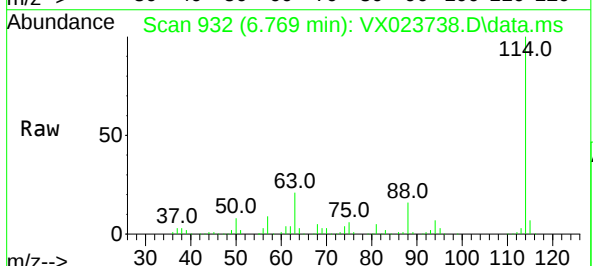
Tgt Ion: 65 Resp: 103928
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.4

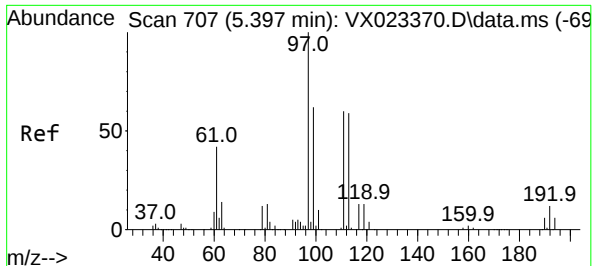


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

Tgt Ion: 114 Resp: 253037
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 15.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.284 ug/l

RT: 5.397 min Scan# 707

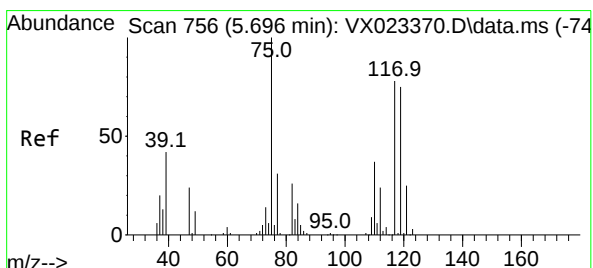
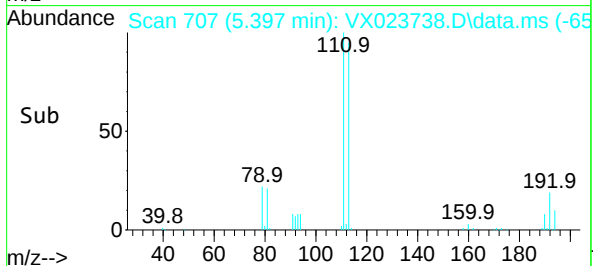
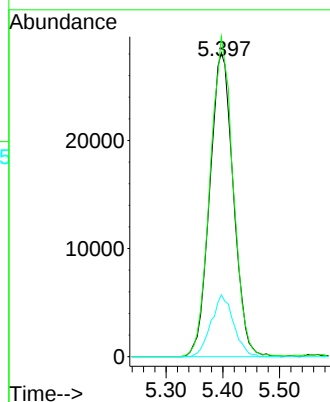
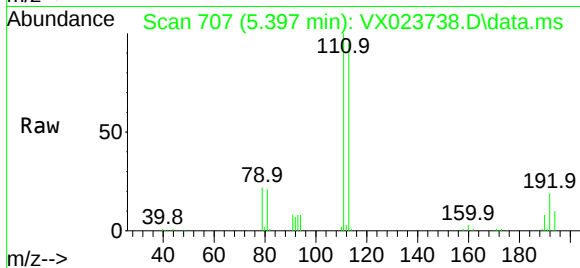
Delta R.T. 0.000 min

Lab File: VX023738.D

Acq: 16 Aug 2021 15:13

Tgt Ion:	113	Resp:	81136
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.9	122.9
192	19.4	16.7	25.1

Instrument :
MSVOA_X
ClientSampled :



#36

1,1-Dichloropropene

Concen: 4.946 ug/l

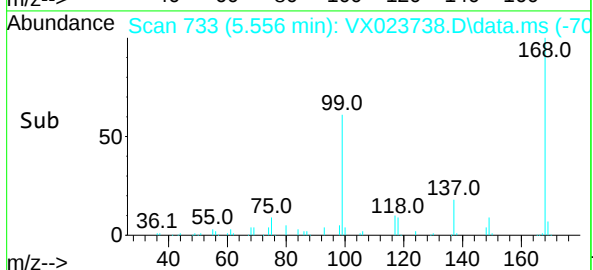
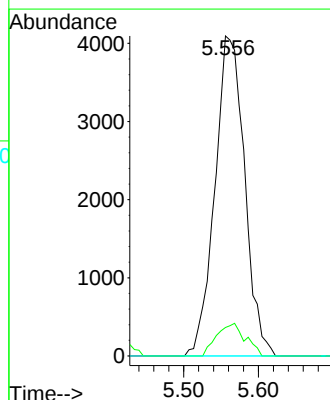
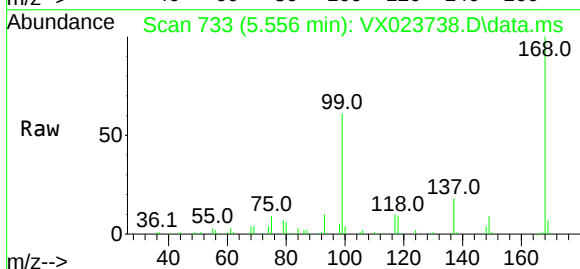
RT: 5.556 min Scan# 733

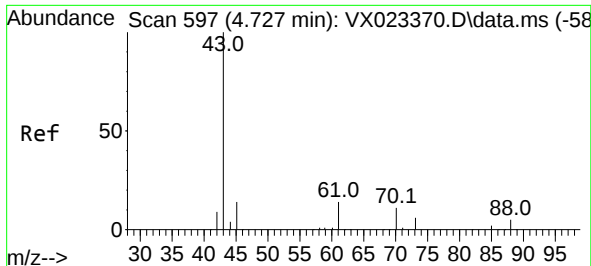
Delta R.T. -0.140 min

Lab File: VX023738.D

Acq: 16 Aug 2021 15:13

Tgt Ion:	75	Resp:	11321
Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.1	54.4#
77	0.0	25.3	37.9#





#37

Ethyl Acetate

Concen: 5.290 ug/l

RT: 4.574 min Scan# 572

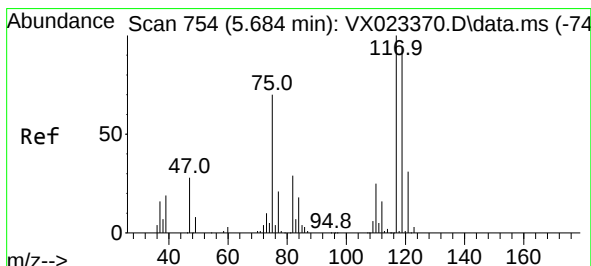
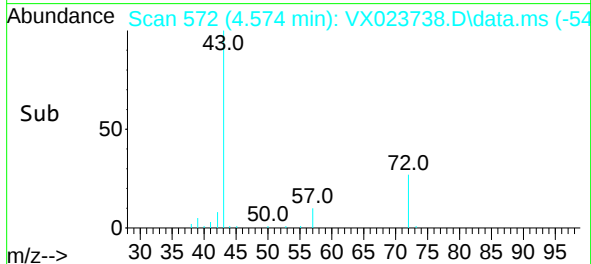
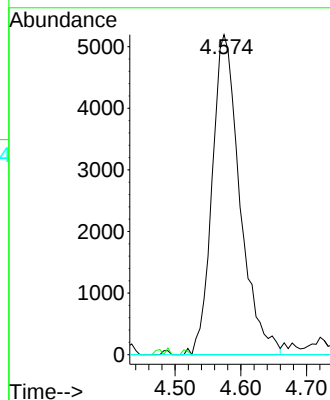
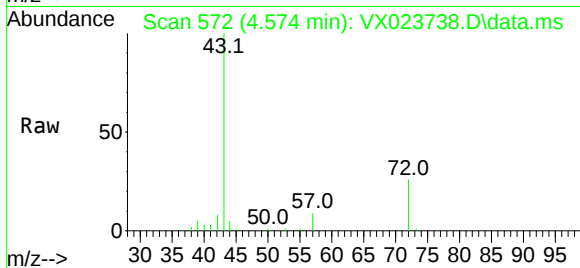
Delta R.T. -0.153 min

Lab File: VX023738.D

Acq: 16 Aug 2021 15:13

Tgt Ion:	43	Resp:	15267
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: 6.442 ug/l

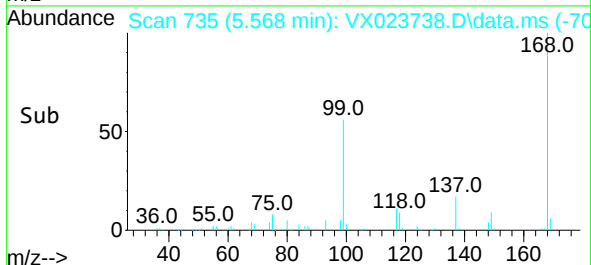
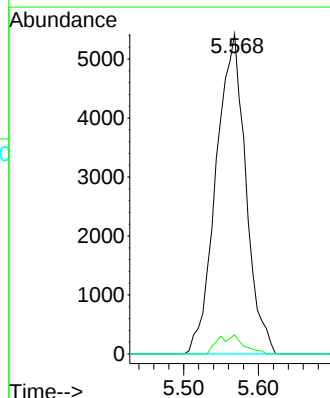
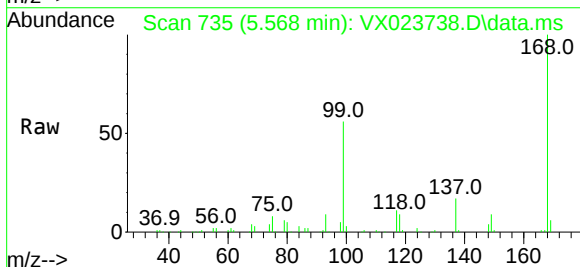
RT: 5.568 min Scan# 735

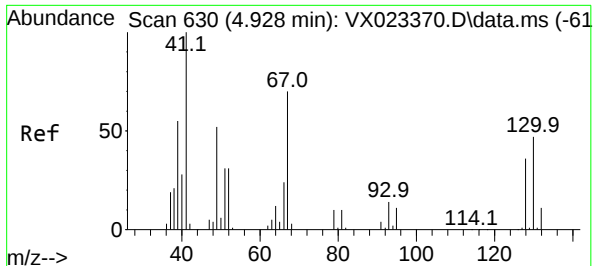
Delta R.T. -0.116 min

Lab File: VX023738.D

Acq: 16 Aug 2021 15:13

Tgt Ion:	117	Resp:	14997
Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.2	114.2#
121	0.0	24.8	37.2#

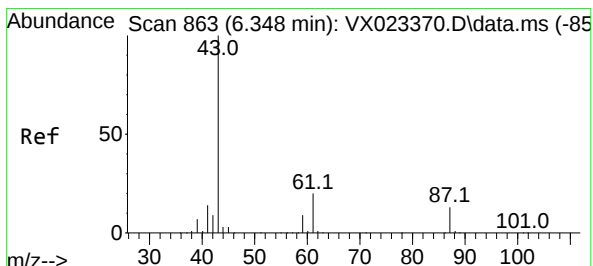
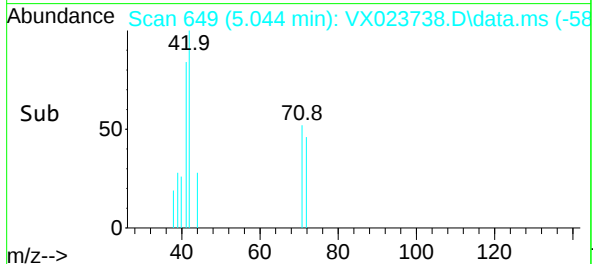
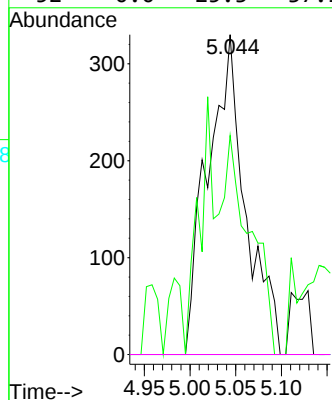
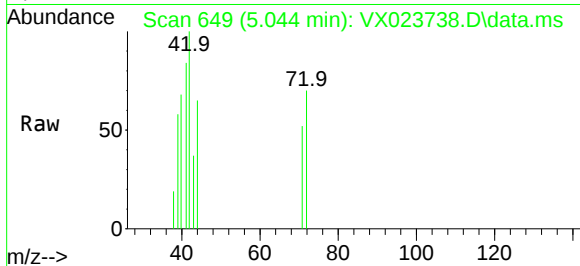




#41
Methacrylonitrile
Concen: 0.625 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

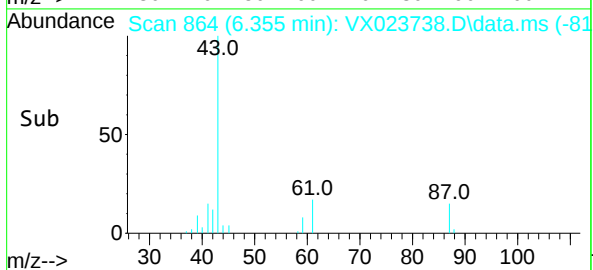
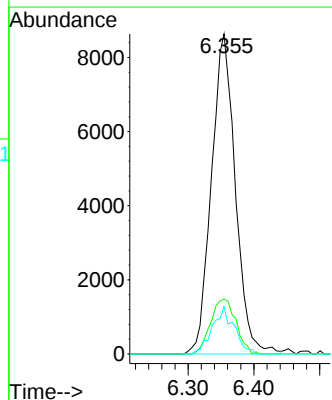
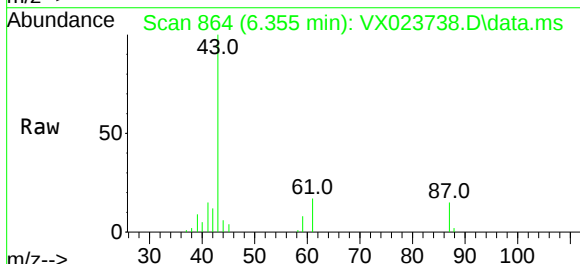
Instrument :
MSVOA_X
ClientSampleId :

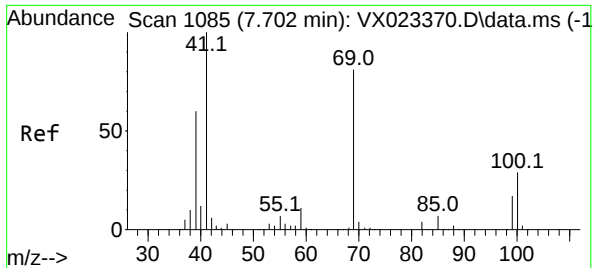
Tgt Ion:	41	Resp:	952
Ion	Ratio	Lower	Upper
41	100		
39	47.7	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 4.883 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

Tgt Ion:	43	Resp:	21839
Ion	Ratio	Lower	Upper
43	100		
61	18.2	18.2	27.4#
87	13.4	12.5	18.7

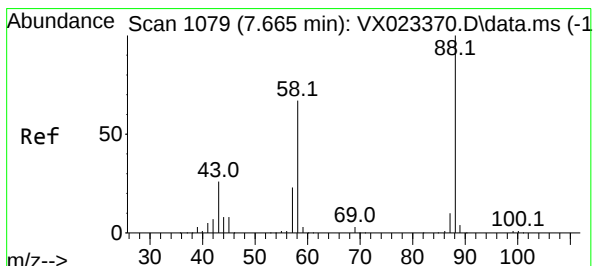
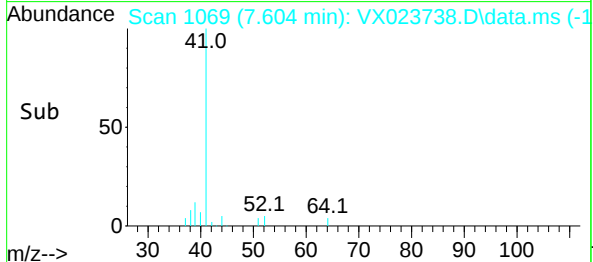
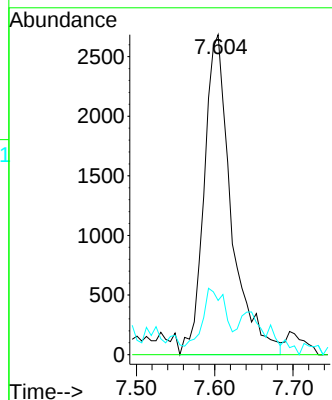
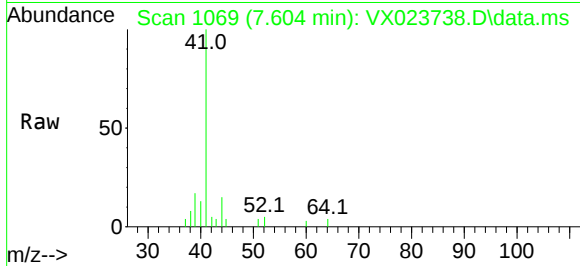




#48
Methyl methacrylate
Concen: 3.127 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

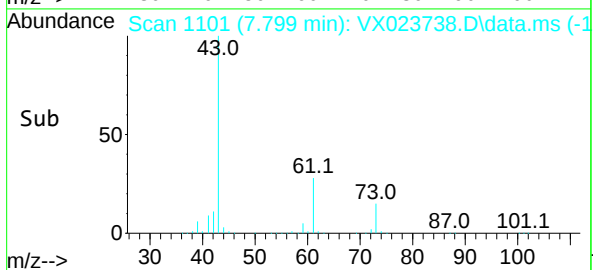
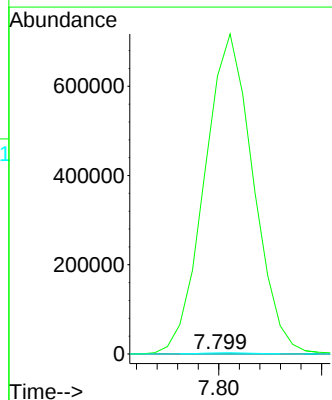
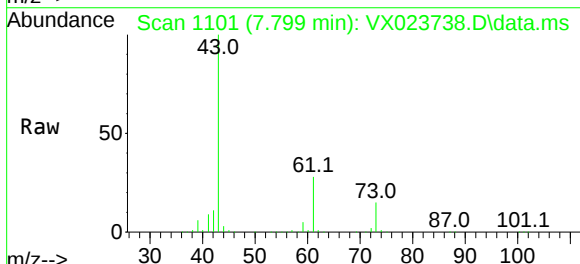
Instrument :
MSVOA_X
ClientSampled :

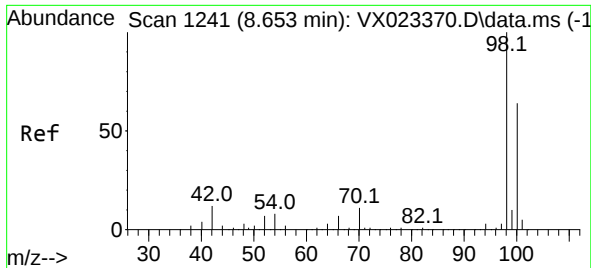
Tgt Ion: 41 Resp: 6477
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 3.696 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

Tgt Ion: 88 Resp: 163
Ion Ratio Lower Upper
88 100
43 729023.9 23.2 34.8#
58 3250.3 55.0 82.4#

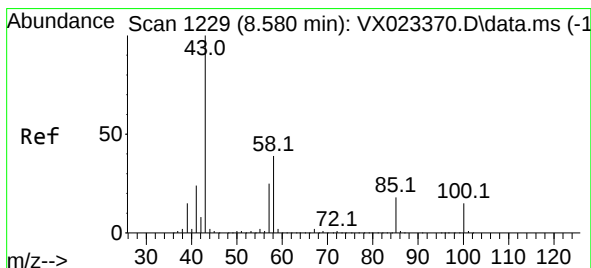
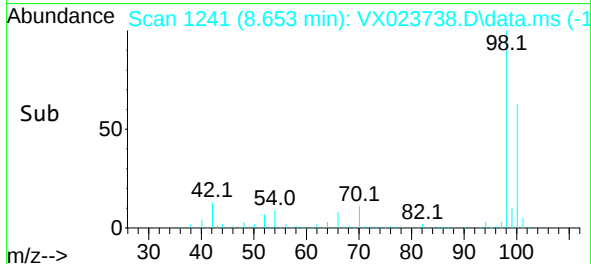
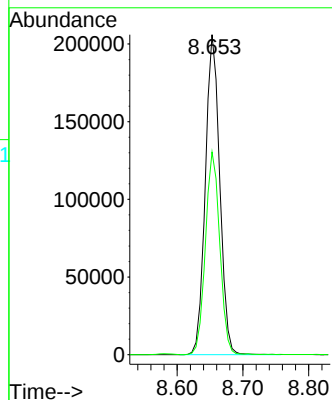
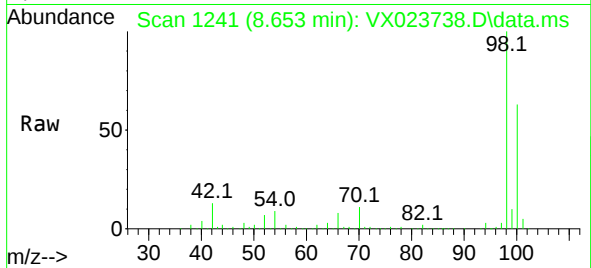




#50
Toluene-d8
Concen: 53.913 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

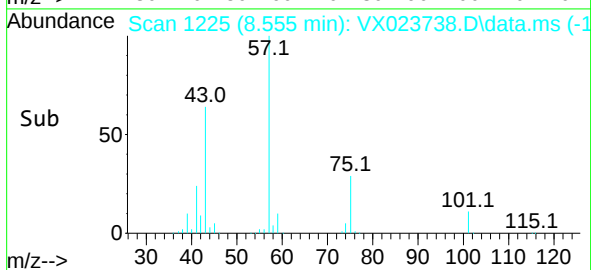
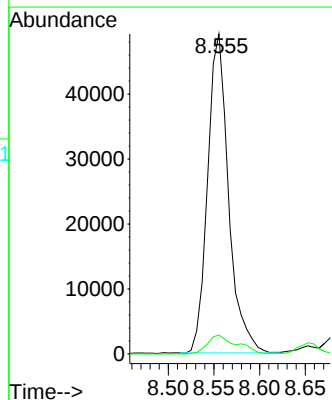
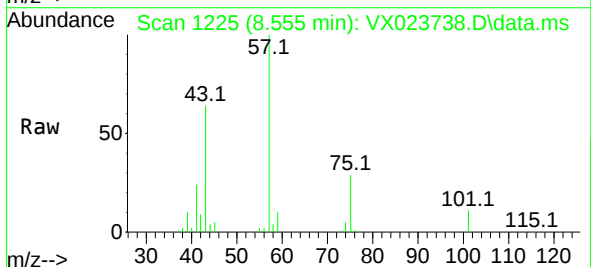
Instrument :
MSVOA_X
ClientSampled :

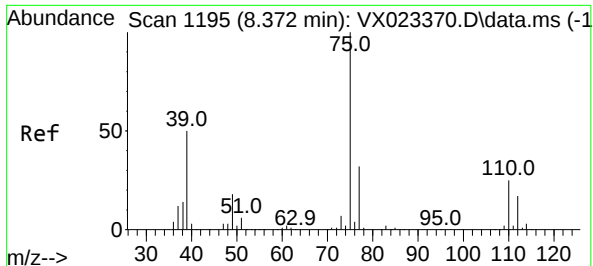
Tgt Ion: 98 Resp: 313380
Ion Ratio Lower Upper
98 100
100 63.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 28.524 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

Tgt Ion: 43 Resp: 78024
Ion Ratio Lower Upper
43 100
58 8.3 35.4 53.0#

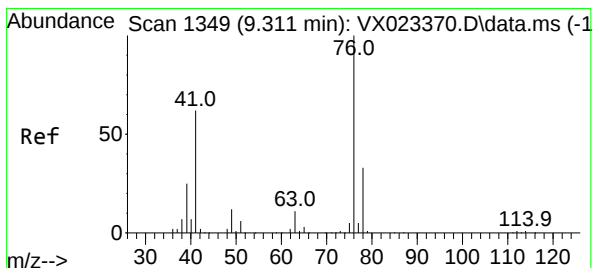
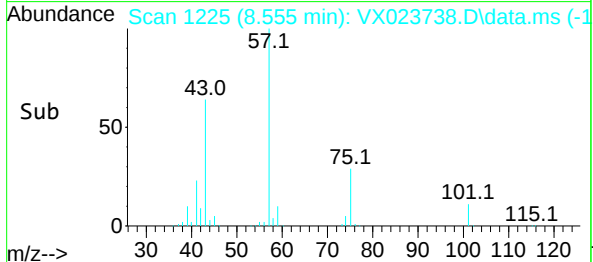
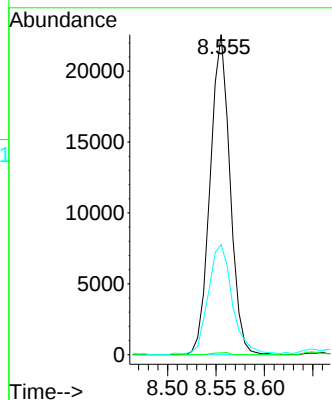
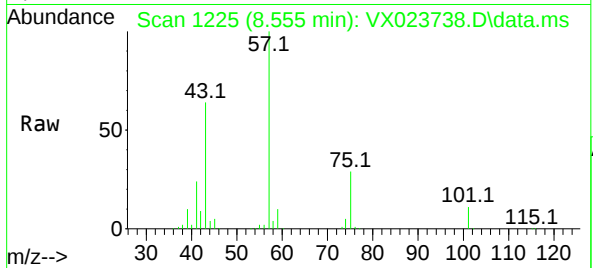




#54
cis-1,3-Dichloropropene
Concen: 11.790 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

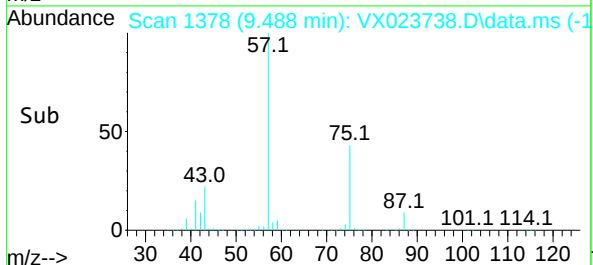
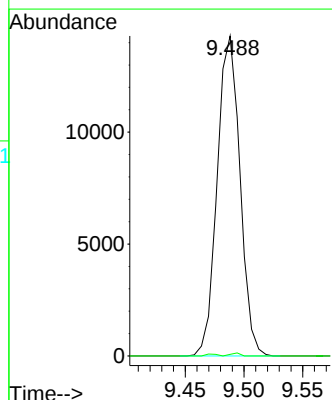
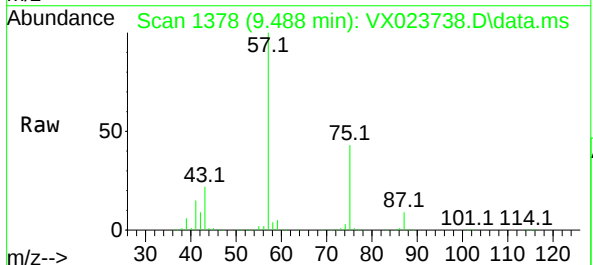
Instrument :
MSVOA_X
ClientSampled :

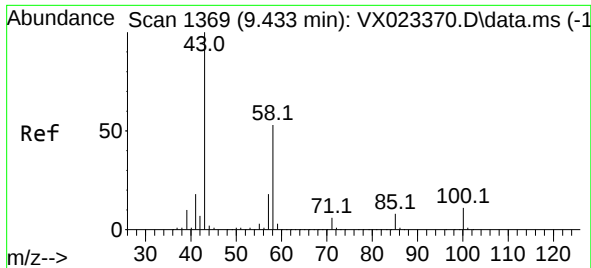
Tgt Ion: 75 Resp: 32256
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 34.0 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 6.674 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

Tgt Ion: 76 Resp: 19308
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#

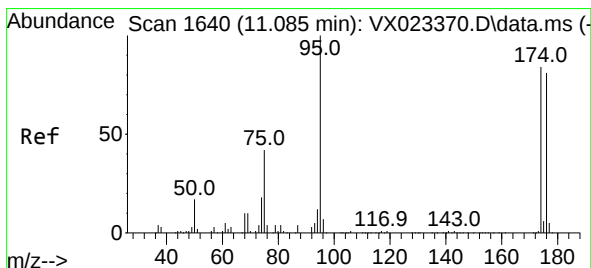
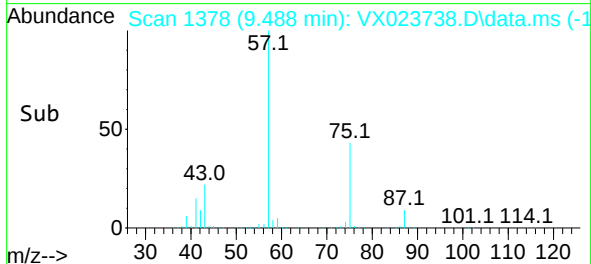
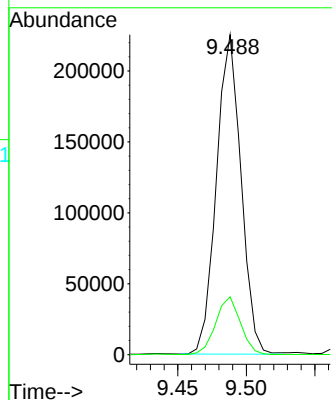
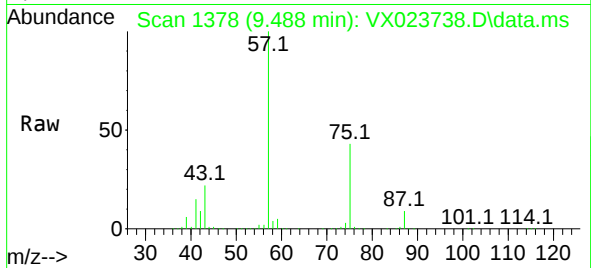




#59
2-Hexanone
Concen: 135.131 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

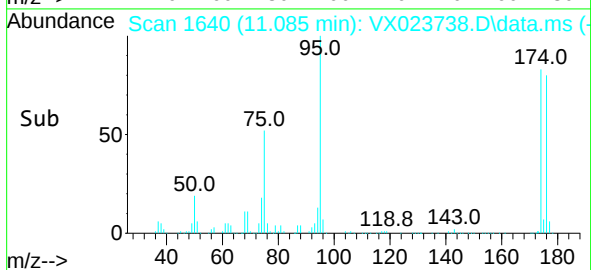
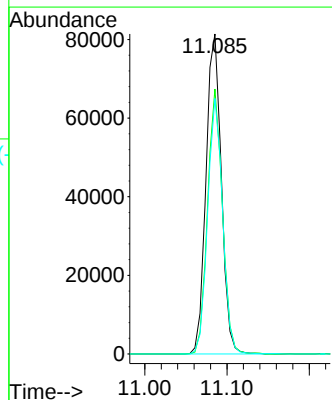
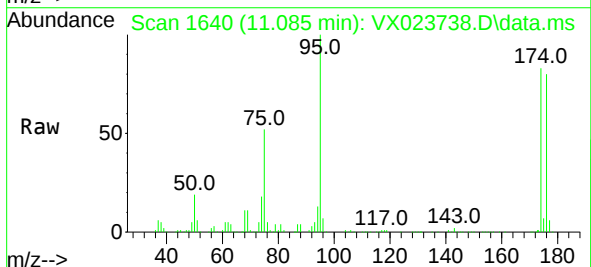
Instrument :
MSVOA_X
ClientSampled :

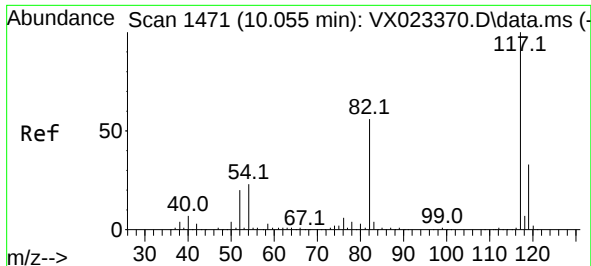
Tgt Ion: 43 Resp: 280690
Ion Ratio Lower Upper
43 100
58 18.2 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 53.422 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

Tgt Ion: 95 Resp: 105592
Ion Ratio Lower Upper
95 100
174 80.3 0.0 154.6
176 77.9 0.0 155.8

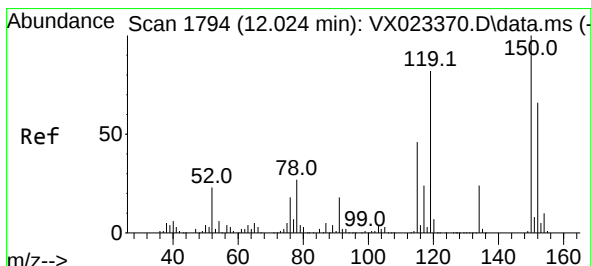
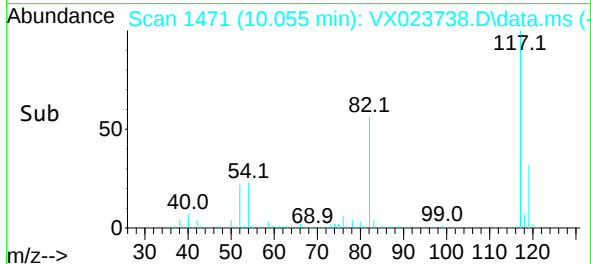
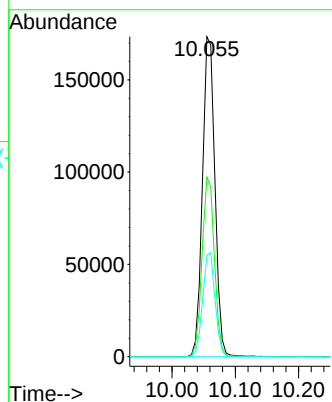
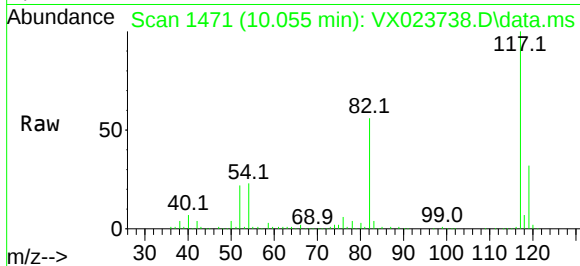




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

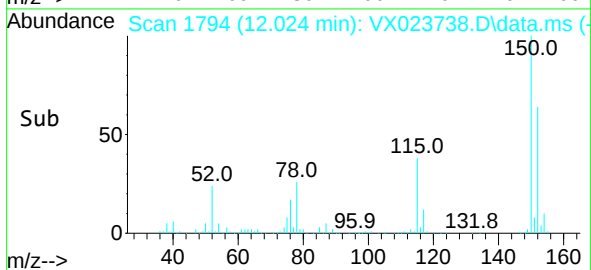
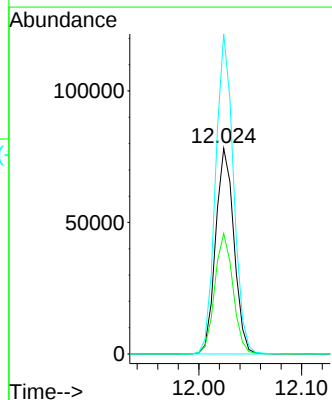
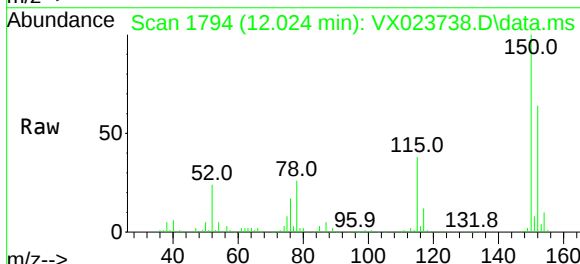
Instrument :
MSVOA_X
ClientSampled :

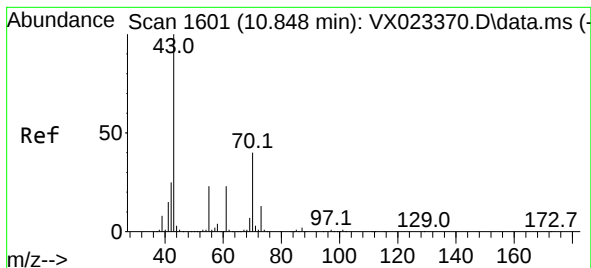
Tgt Ion:117 Resp: 237932
Ion Ratio Lower Upper
117 100
82 56.1 47.4 71.2
119 31.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

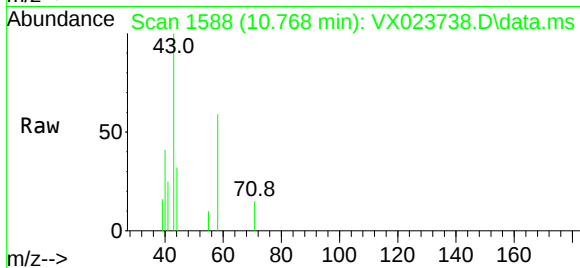
Tgt Ion:152 Resp: 96804
Ion Ratio Lower Upper
152 100
115 58.2 41.1 123.3
150 151.8 0.0 349.0



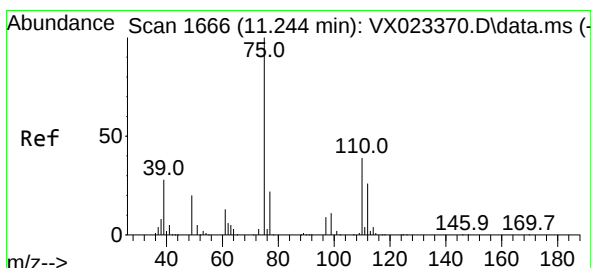
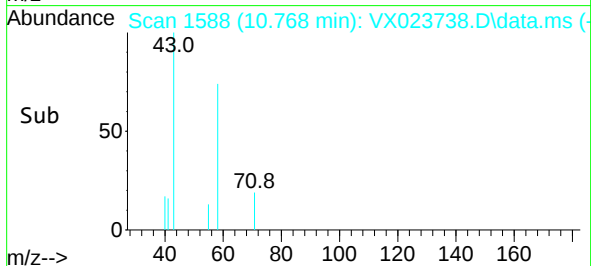
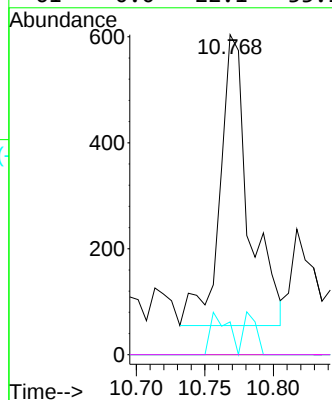


#74
N-amy1 acetate
Concen: 0.243 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

Instrument :
MSVOA_X
ClientSampled :

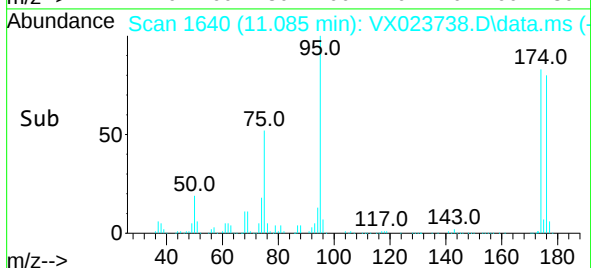
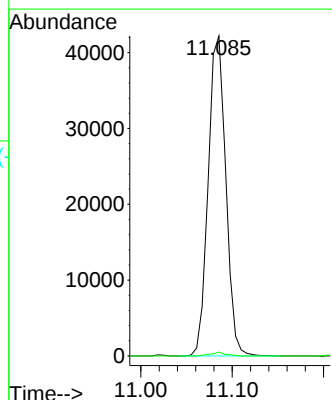
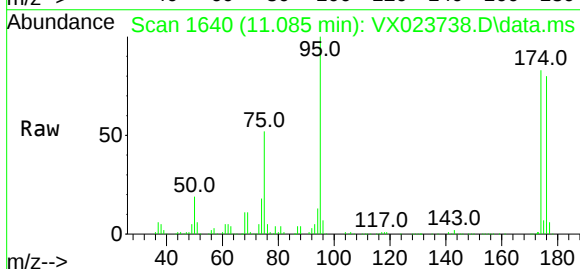


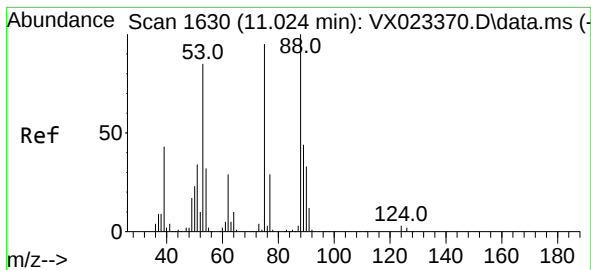
Tgt Ion: 43 Resp: 811
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 8.9 21.5 32.3#
61 0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 26.462 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023738.D
Acq: 16 Aug 2021 15:13

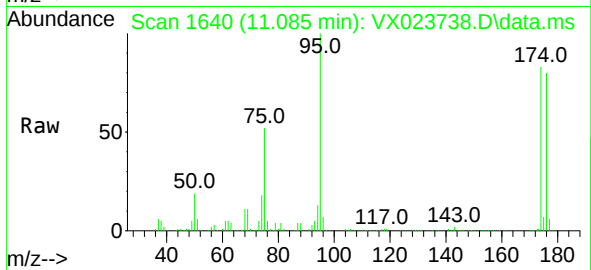
Tgt Ion: 75 Resp: 56370
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.153 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023738.D
 Acq: 16 Aug 2021 15:13

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	75	Resp:	56370
Ion	Ratio	Lower	Upper
75	100		
53	0.1	74.5	111.7#
89	0.0	37.9	56.9#

