

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023713.D
 Acq On : 14 Aug 2021 01:15
 Operator : JC/MD
 Sample : M3394-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:34:22 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)

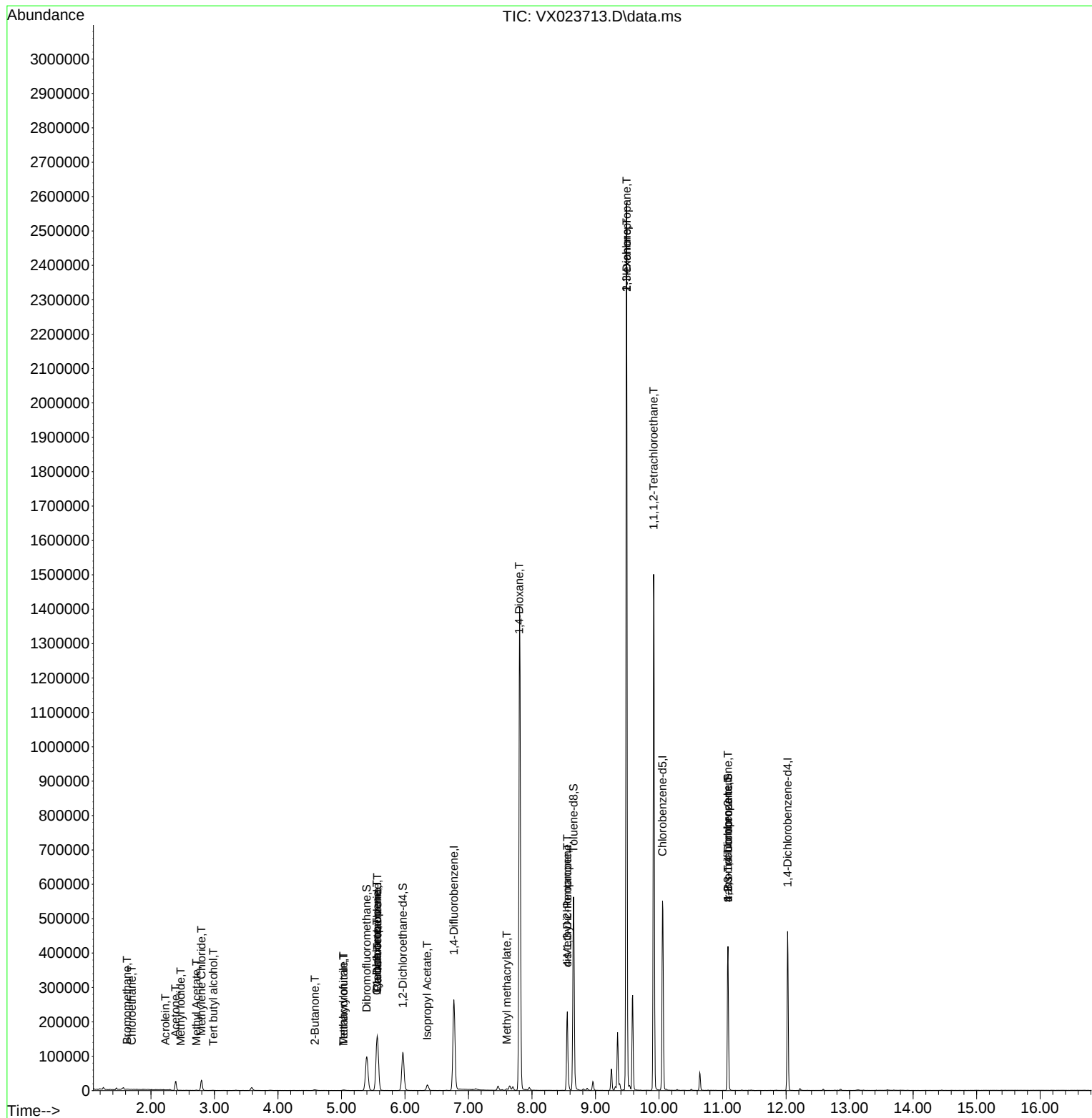
Internal Standards						
1) Pentafluorobenzene	5.562	168	152215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	258715	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	247331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	106054	55.855	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 111.700%	
35) Dibromofluoromethane	5.397	113	84011	51.936	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.880%	
50) Toluene-d8	8.653	98	323112	54.368	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 108.740%	
62) 4-Bromofluorobenzene	11.085	95	106359	52.630	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.260%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	564	0.575	ug/l #	65
6) Chloroethane	1.697	64	293	0.289	ug/l #	43
10) Methyl Iodide	2.465	142	507	0.268	ug/l #	71
11) Tert butyl alcohol	2.983	59	882	2.033	ug/l #	73
13) Acrolein	2.227	56	80	1.725	ug/l #	72
16) Acetone	2.386	43	28014	30.077	ug/l	94
18) Methyl Acetate	2.715	43	1628	0.735	ug/l #	78
20) Methylene Chloride	2.794	84	13297	7.339	ug/l #	86
25) 2-Butanone	4.580	43	4578	3.166	ug/l #	81
29) Tetrahydrofuran	5.032	42	1610	1.699	ug/l #	78
31) Cyclohexane	5.556	56	3449	1.226	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	12214	5.219	ug/l #	45
38) Carbon Tetrachloride	5.562	117	15502	6.513	ug/l #	15
41) Methacrylonitrile	5.032	41	1078	0.692	ug/l #	44
43) Isopropyl Acetate	6.348	43	22424	4.904	ug/l #	92
48) Methyl methacrylate	7.604	41	5716	2.699	ug/l #	10
49) 1,4-Dioxane	7.799	88	218	4.834	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	79005	28.249	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	33403	11.941	ug/l #	70
57) 1,3-Dichloropropane	9.488	76	21286	7.196	ug/l #	42
59) 2-Hexanone	9.488	43	308056	145.051	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	9.915	131	28	0.989	ug/l #	8
76) 1,2,3-Trichloropropane	11.085	75	56277	27.845	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	56277	74.873	ug/l #	12

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

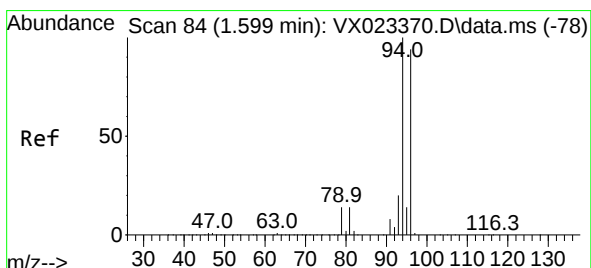
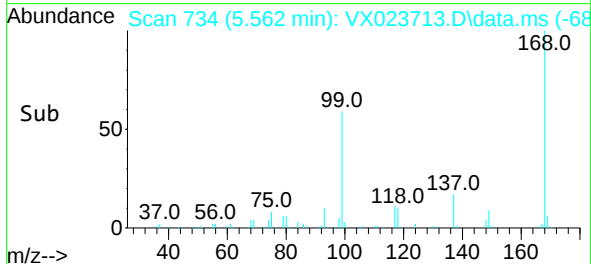
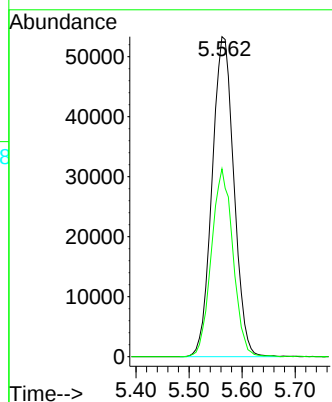
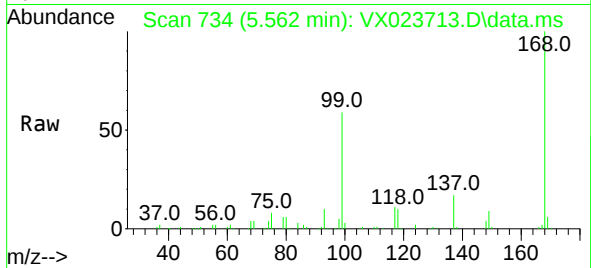




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

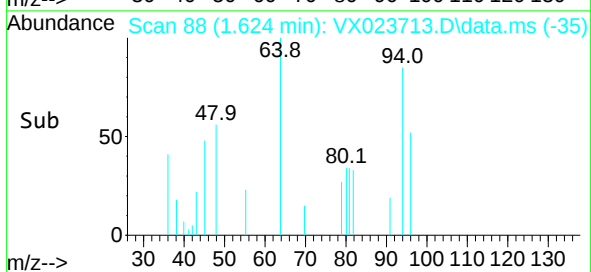
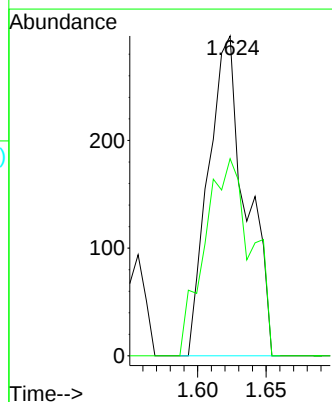
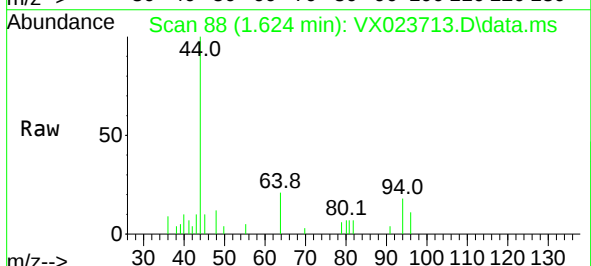
Instrument :
MSVOA_X
ClientSampleId :

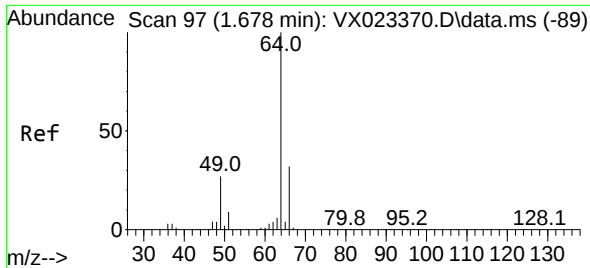
Tgt Ion:168 Resp: 152215
Ion Ratio Lower Upper
168 100
99 58.7 45.8 68.6



#5
Bromomethane
Concen: 0.575 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

Tgt Ion: 94 Resp: 564
Ion Ratio Lower Upper
94 100
96 61.6 76.4 114.6#

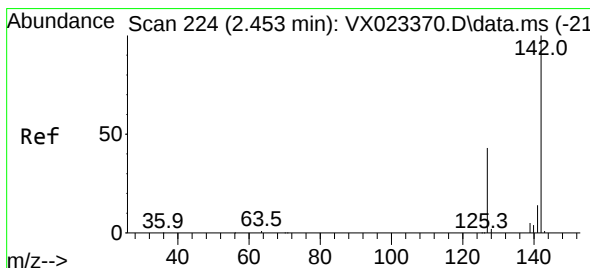
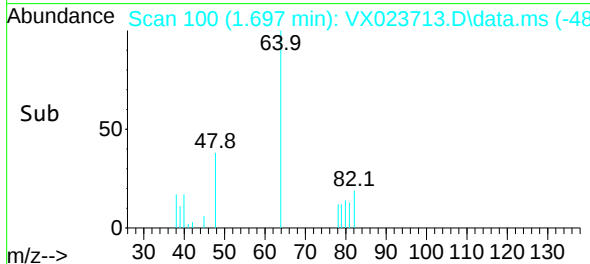
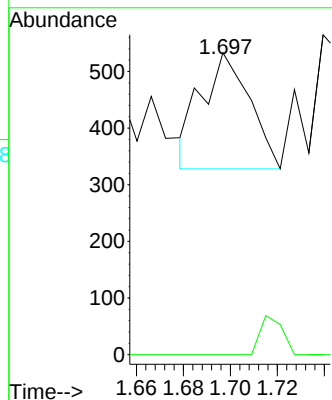
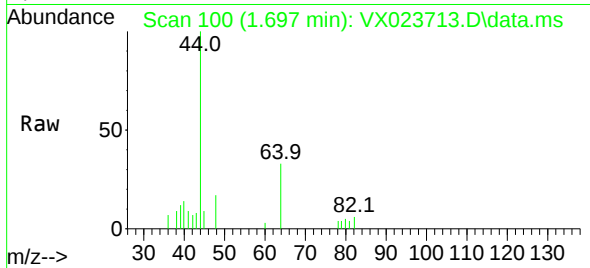




#6
Chloroethane
Concen: 0.289 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.019 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

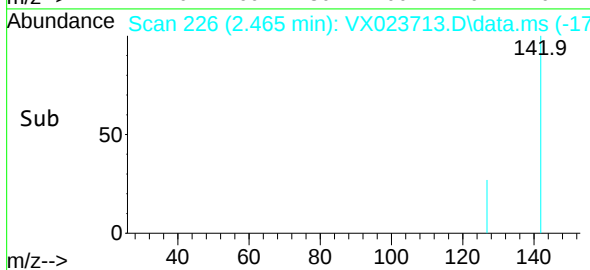
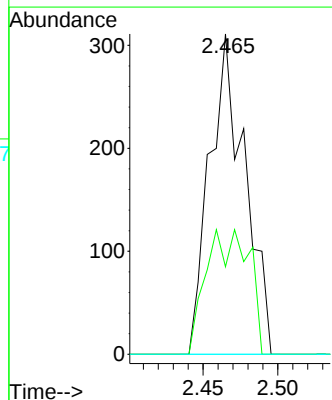
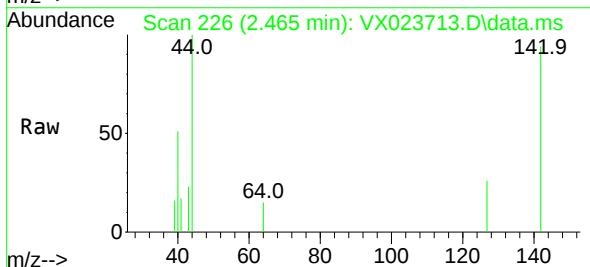
Instrument :
MSVOA_X
ClientSampled :

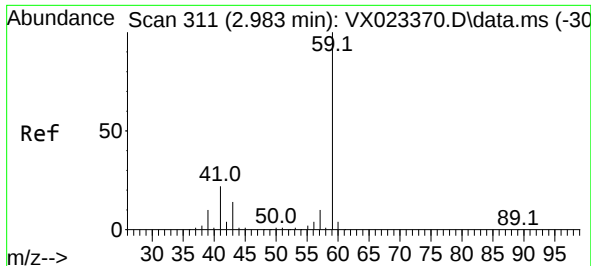
Tgt Ion: 64 Resp: 293
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.268 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

Tgt Ion: 142 Resp: 507
Ion Ratio Lower Upper
142 100
127 24.7 33.3 49.9#
141 0.0 11.4 17.0#

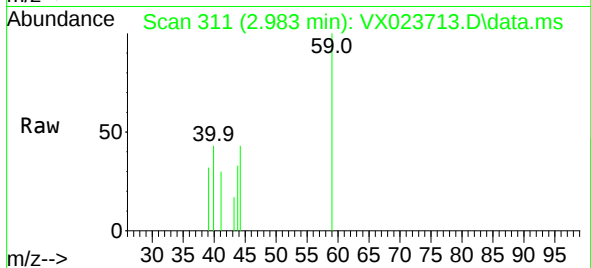




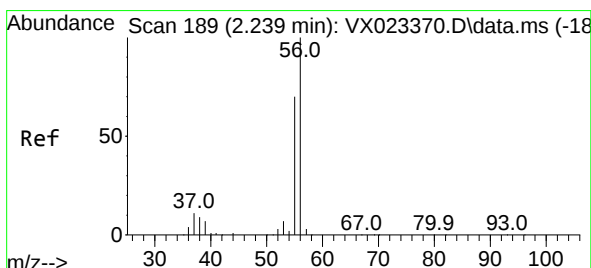
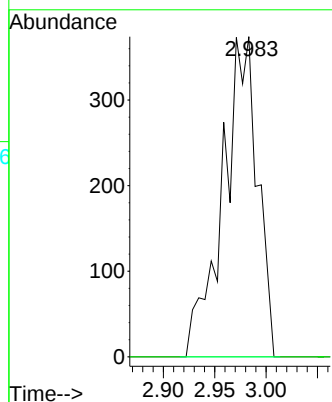
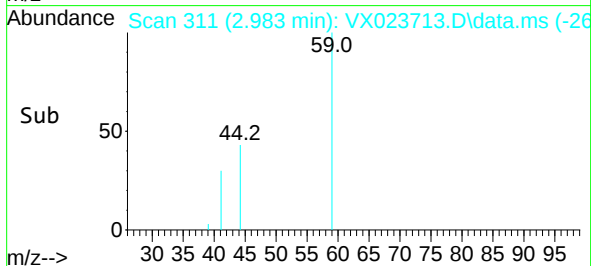
#11

Tert butyl alcohol
Concen: 2.033 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

Instrument :
MSVOA_X
ClientSampled :

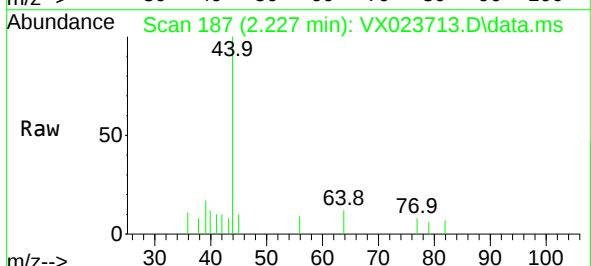


Tgt Ion: 59 Resp: 882
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

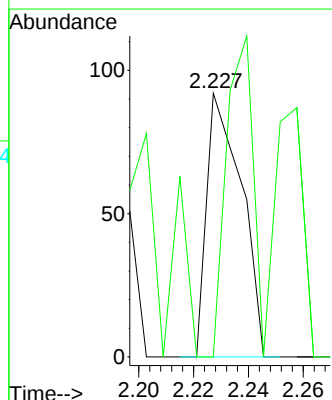
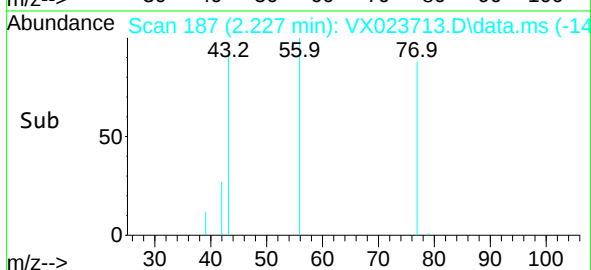


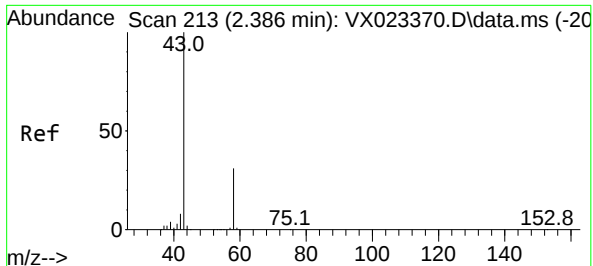
#13

Acrolein
Concen: 1.725 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.012 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15



Tgt Ion: 56 Resp: 80
Ion Ratio Lower Upper
56 100
55 93.8 56.4 84.6#

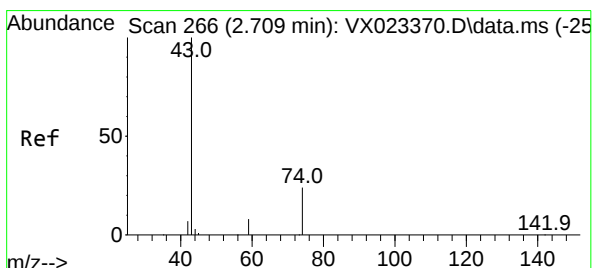
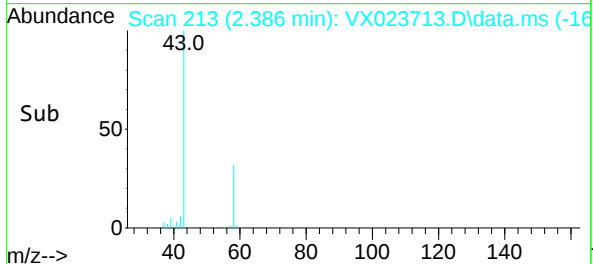
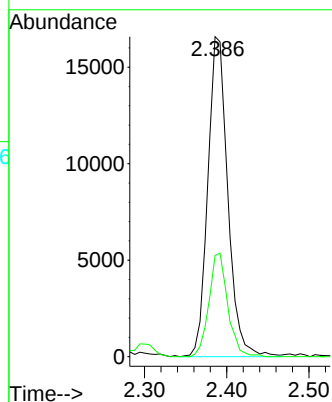
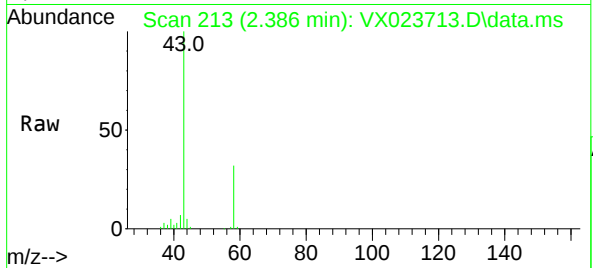




#16
Acetone
Concen: 30.077 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

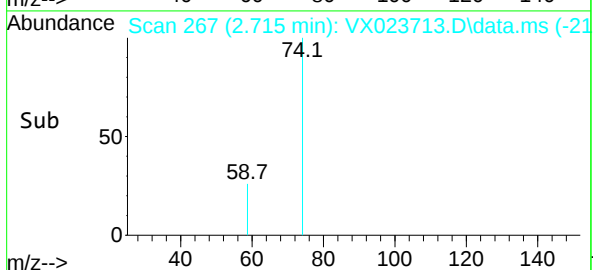
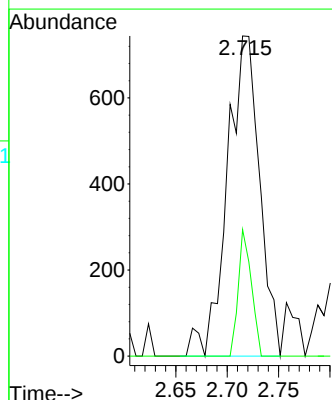
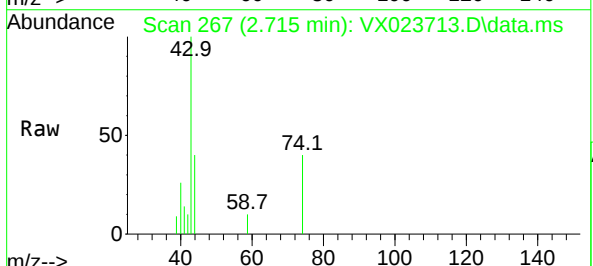
Instrument :
MSVOA_X
ClientSampled :

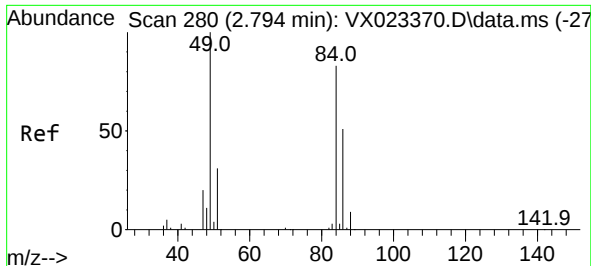
Tgt Ion: 43 Resp: 28014
Ion Ratio Lower Upper
43 100
58 31.6 27.8 41.8



#18
Methyl Acetate
Concen: 0.735 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

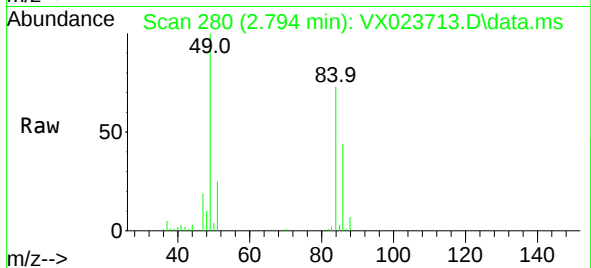
Tgt Ion: 43 Resp: 1628
Ion Ratio Lower Upper
43 100
74 16.0 21.9 32.9#



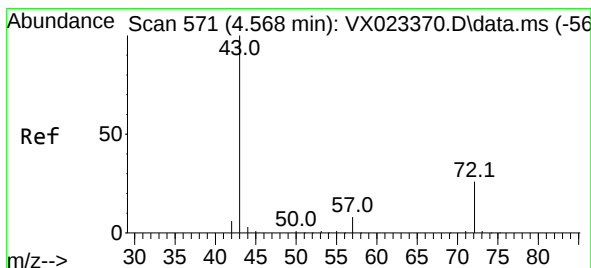
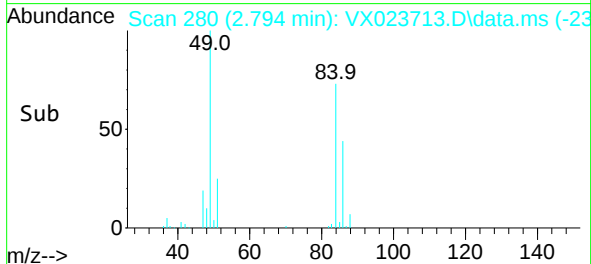
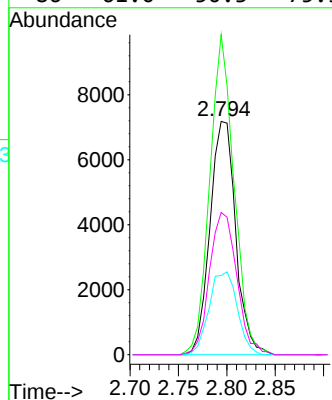


#20
Methylene Chloride
Concen: 7.339 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

Instrument :
MSVOA_X
ClientSampled :

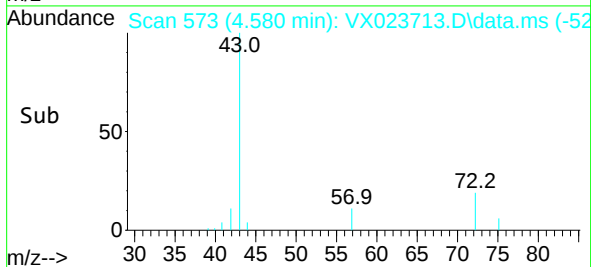
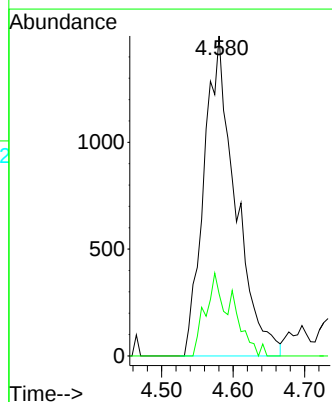
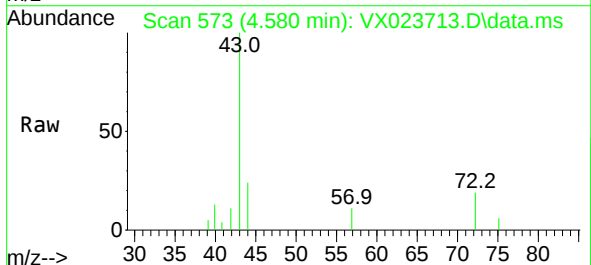


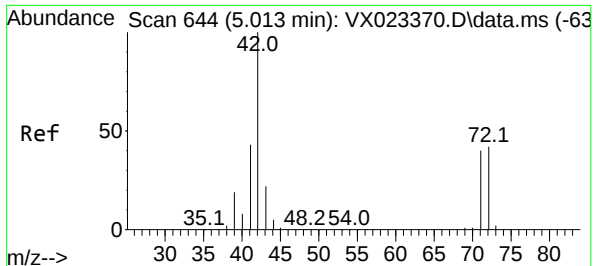
Tgt Ion:	84	Resp:	13297
Ion	Ratio	Lower	Upper
84	100		
49	137.2	88.6	132.8#
51	33.9	27.0	40.6
86	61.0	50.3	75.5



#25
2-Butanone
Concen: 3.166 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

Tgt Ion:	43	Resp:	4578
Ion	Ratio	Lower	Upper
43	100		
72	19.4	23.7	35.5#





#29

Tetrahydrofuran

Concen: 1.699 ug/l

RT: 5.032 min Scan# 647

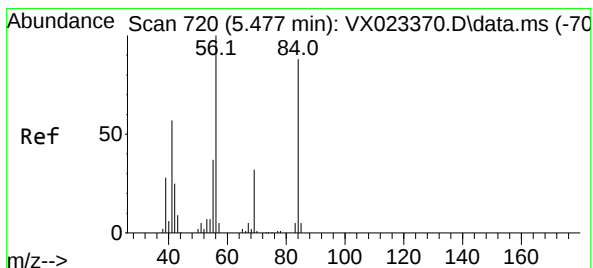
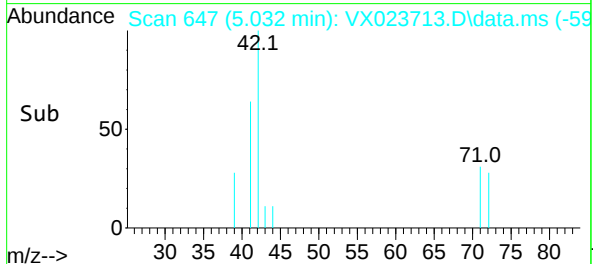
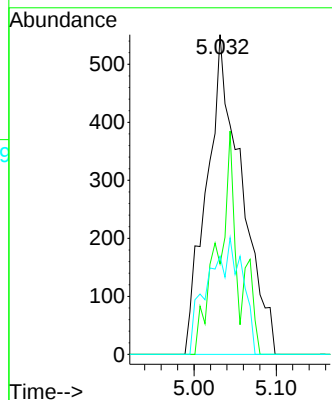
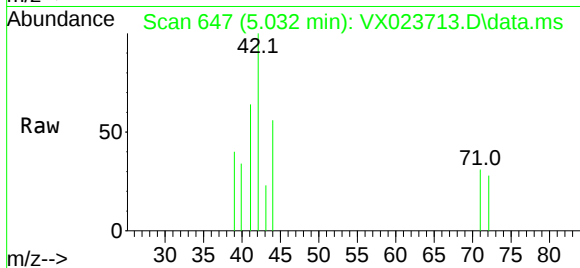
Delta R.T. 0.019 min

Lab File: VX023713.D

Acq: 14 Aug 2021 01:15

Tgt Ion:	42	Resp:	1610
Ion	Ratio	Lower	Upper
42	100		
72	33.2	41.7	62.5#
71	36.2	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.226 ug/l

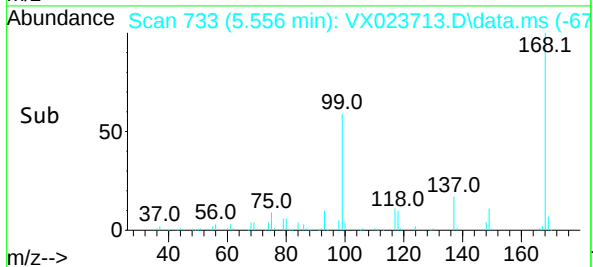
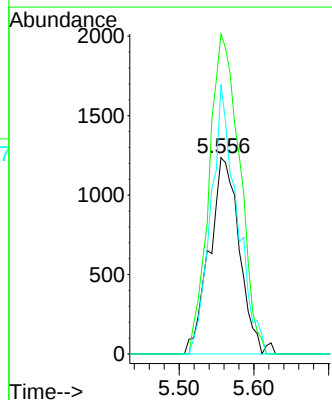
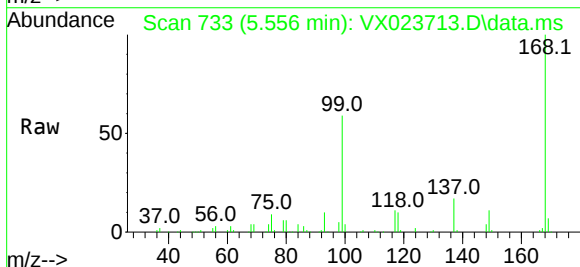
RT: 5.556 min Scan# 733

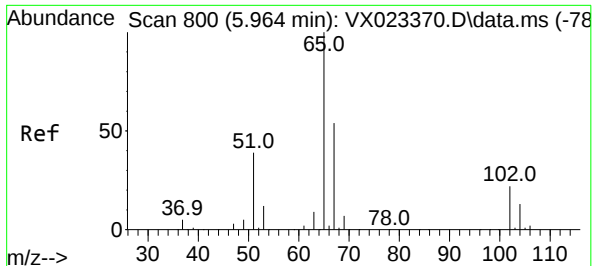
Delta R.T. 0.079 min

Lab File: VX023713.D

Acq: 14 Aug 2021 01:15

Tgt Ion:	56	Resp:	3449
Ion	Ratio	Lower	Upper
56	100		
69	162.9	25.3	37.9#
84	137.2	71.4	107.0#



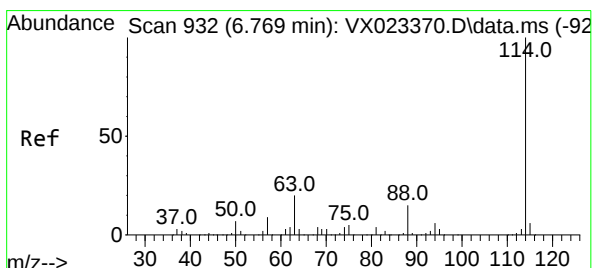
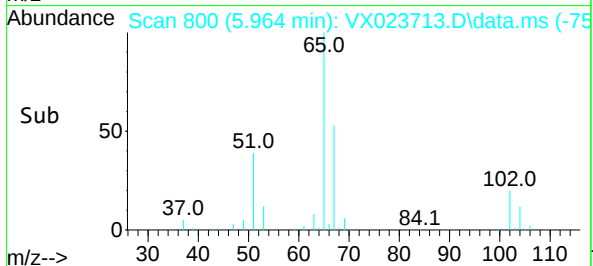
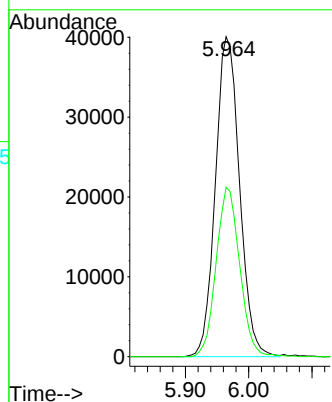
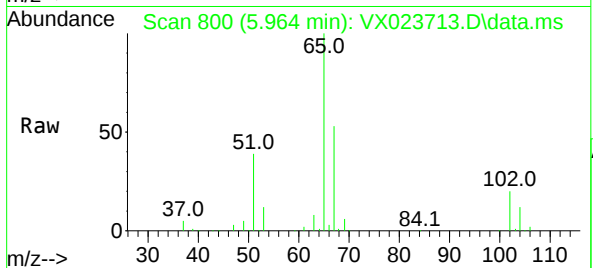


#33

1,2-Dichloroethane-d4
Concen: 55.855 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

Instrument :
MSVOA_X
ClientSampleId :

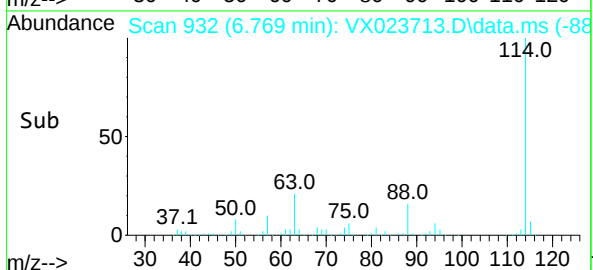
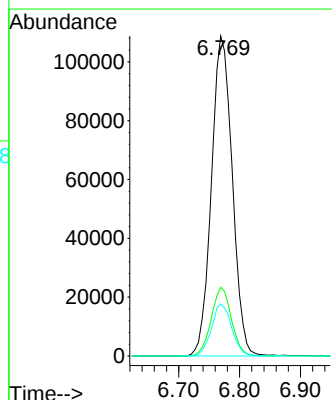
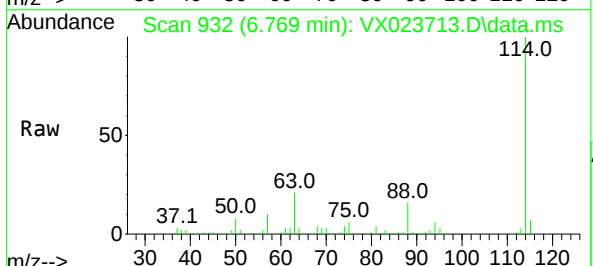
Tgt Ion: 65 Resp: 106054
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.4

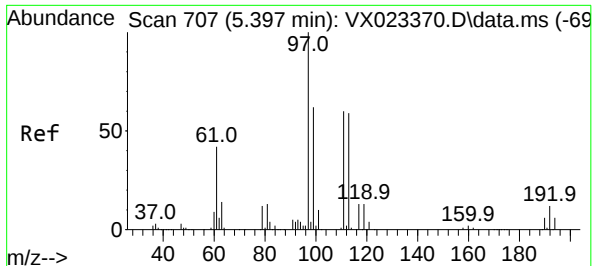


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

Tgt Ion: 114 Resp: 258715
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.936 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023713.D

Acq: 14 Aug 2021 01:15

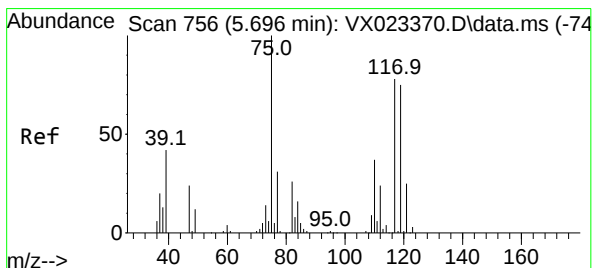
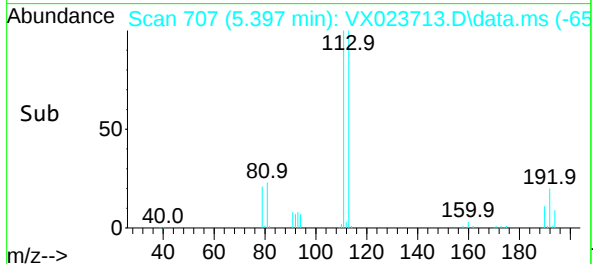
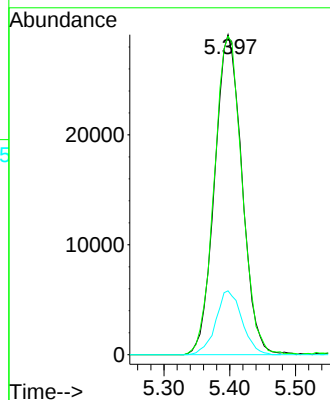
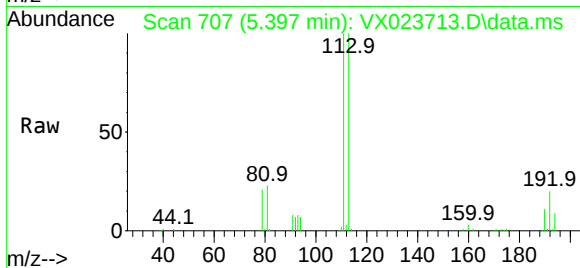
Tgt Ion:113 Resp: 84011

Ion Ratio Lower Upper

113 100

111 101.3 81.9 122.9

192 19.1 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.219 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX023713.D

Acq: 14 Aug 2021 01:15

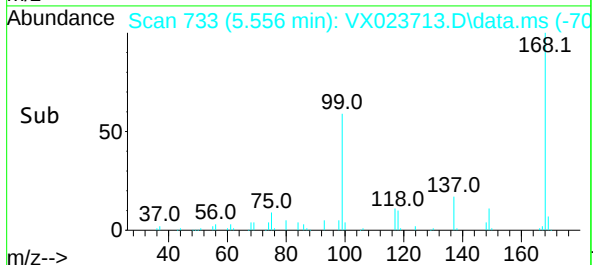
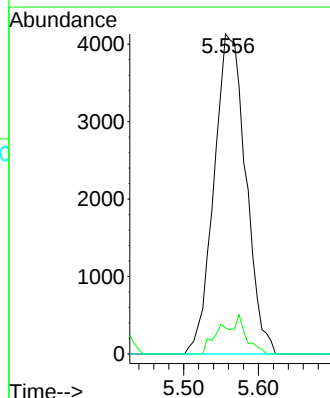
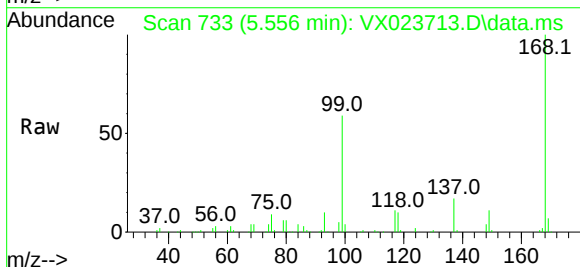
Tgt Ion: 75 Resp: 12214

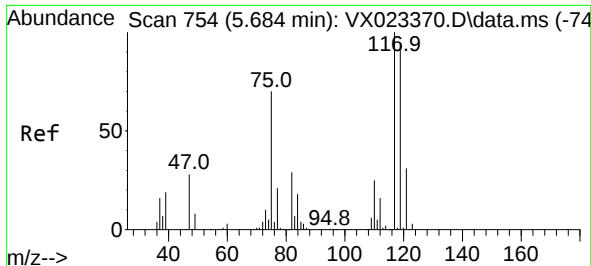
Ion Ratio Lower Upper

75 100

110 5.0 18.1 54.4#

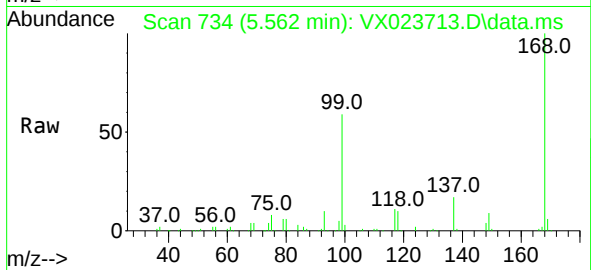
77 0.0 25.3 37.9#



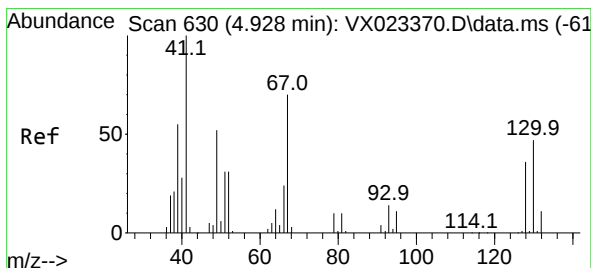
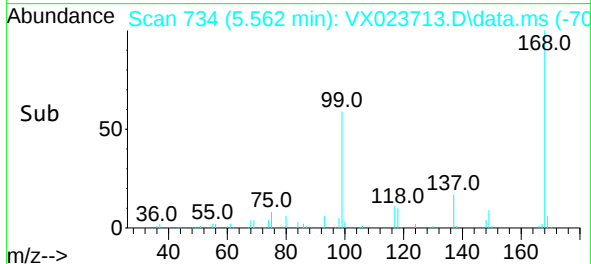
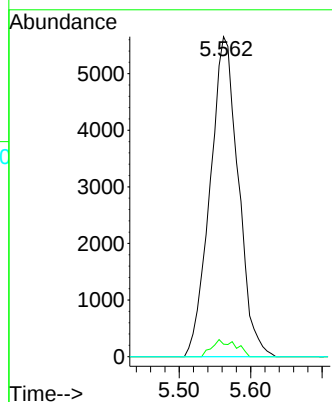


#38
Carbon Tetrachloride
Concen: 6.513 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

Instrument :
MSVOA_X
ClientSampleId :

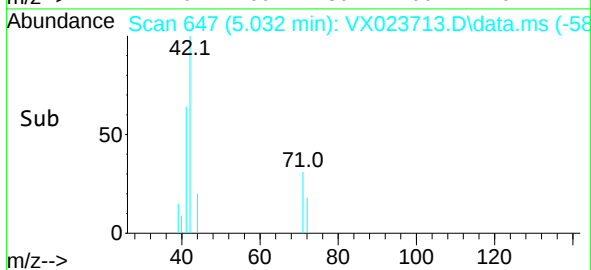
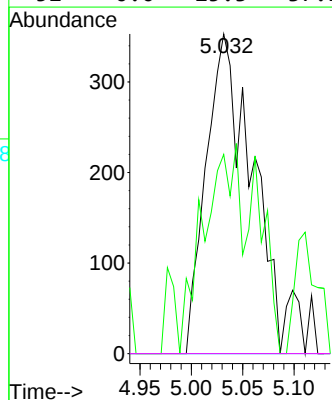
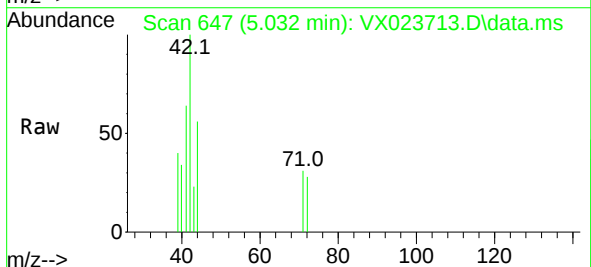


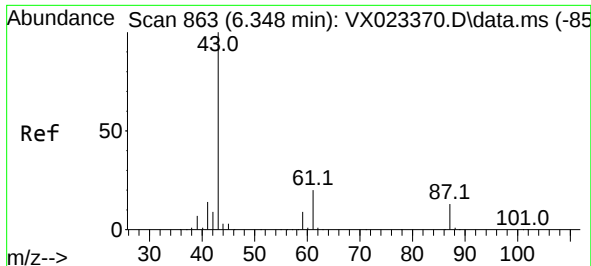
Tgt Ion:117 Resp: 15502
Ion Ratio Lower Upper
117 100
119 3.9 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.692 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.104 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

Tgt Ion: 41 Resp: 1078
Ion Ratio Lower Upper
41 100
39 51.9 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

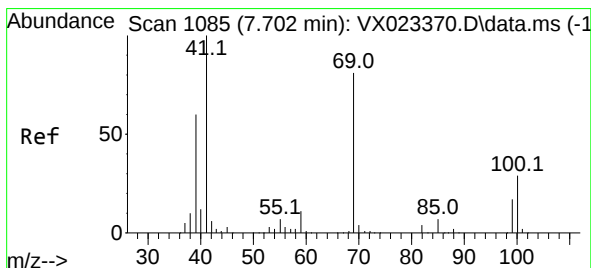
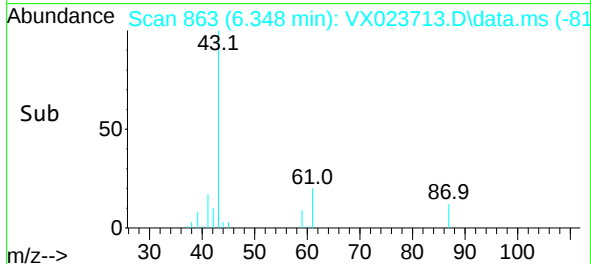
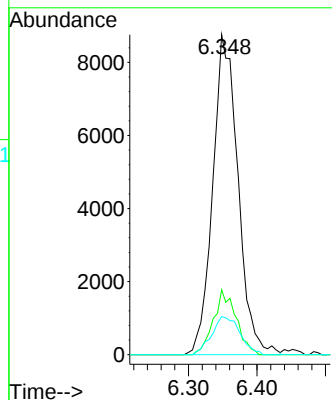
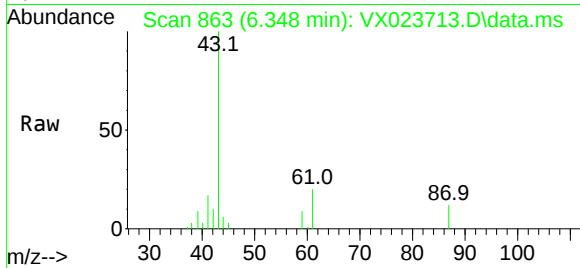




#43
Isopropyl Acetate
Concen: 4.904 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

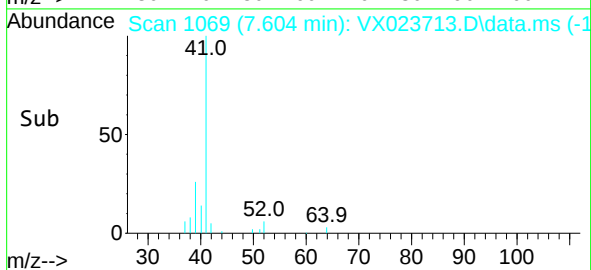
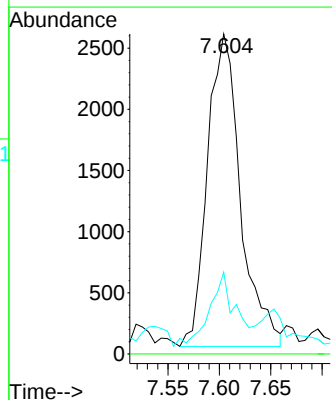
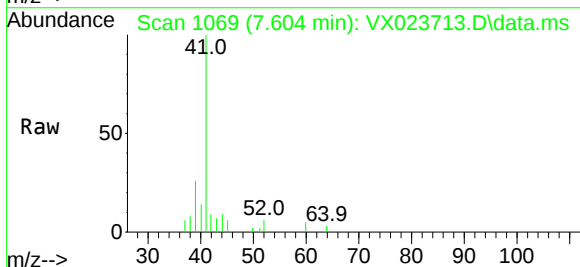
Instrument :
MSVOA_X
ClientSampled :

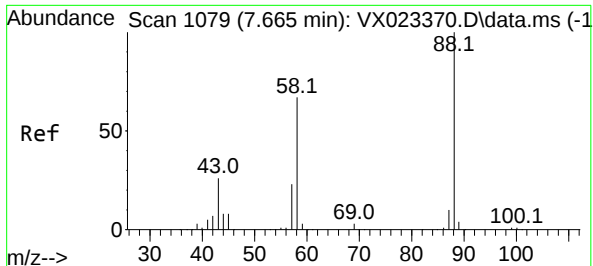
Tgt Ion: 43 Resp: 22424
Ion Ratio Lower Upper
43 100
61 18.2 18.2 27.4#
87 13.3 12.5 18.7



#48
Methyl methacrylate
Concen: 2.699 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

Tgt Ion: 41 Resp: 5716
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: 4.834 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX023713.D

Acq: 14 Aug 2021 01:15

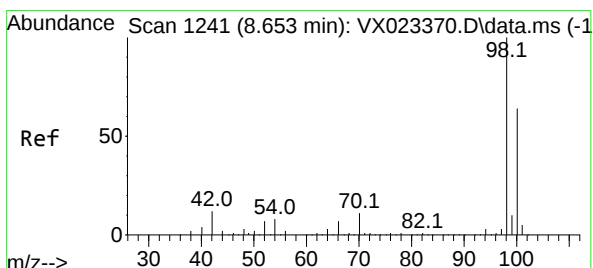
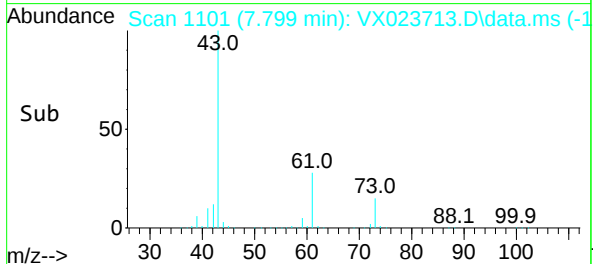
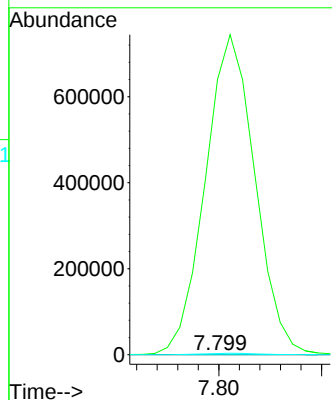
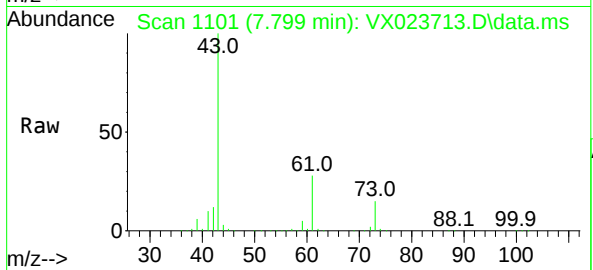
Tgt Ion: 88 Resp: 218

Ion Ratio Lower Upper

88 100

43 575759.6 23.2 34.8#

58 2729.8 55.0 82.4#



#50

Toluene-d8

Concen: 54.368 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023713.D

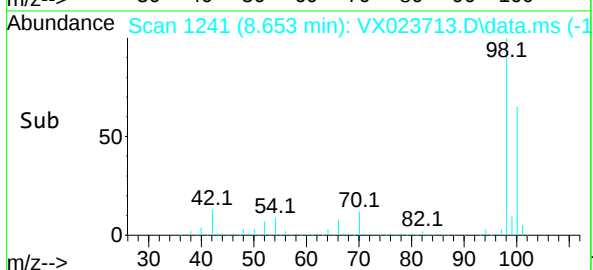
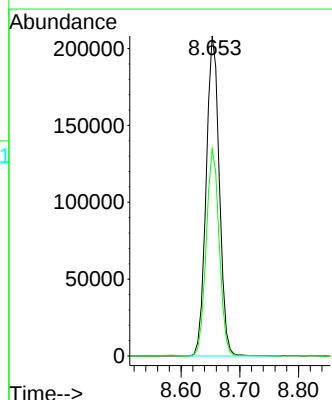
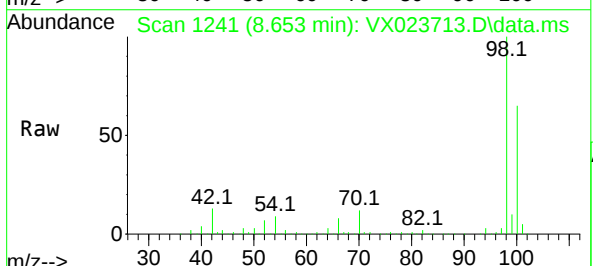
Acq: 14 Aug 2021 01:15

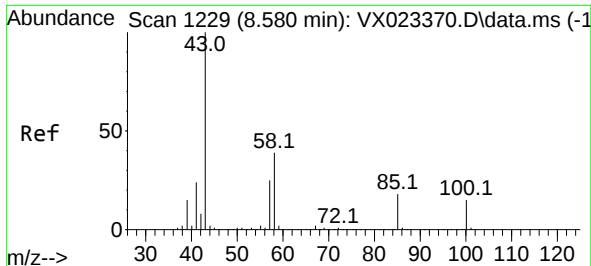
Tgt Ion: 98 Resp: 323112

Ion Ratio Lower Upper

98 100

100 64.2 51.9 77.9

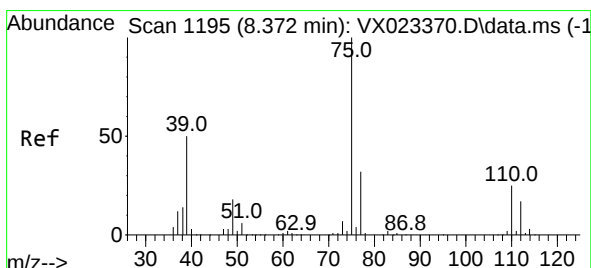
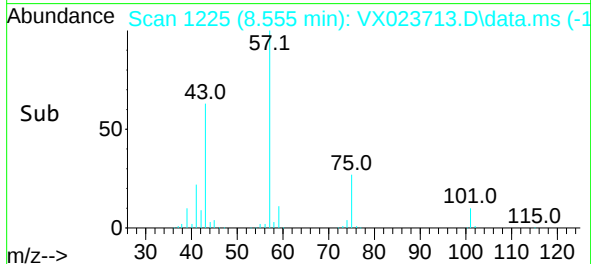
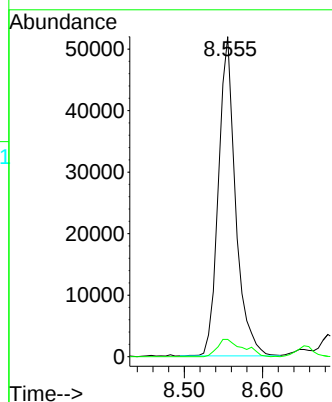
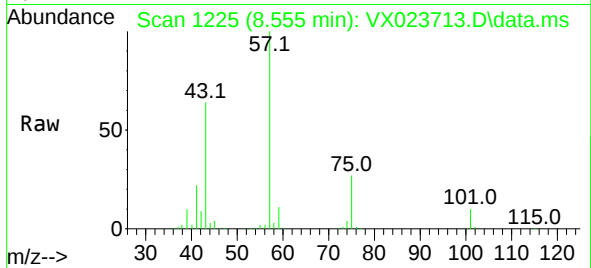




#51
4-Methyl-2-Pentanone
Concen: 28.249 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

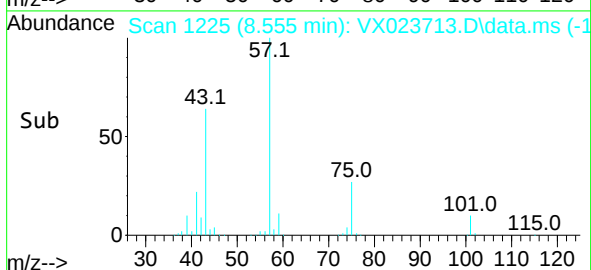
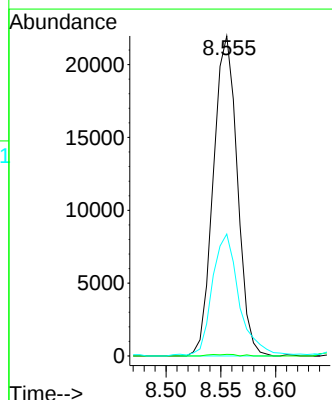
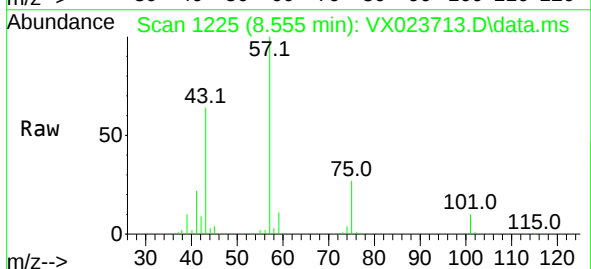
Instrument :
MSVOA_X
ClientSampled :

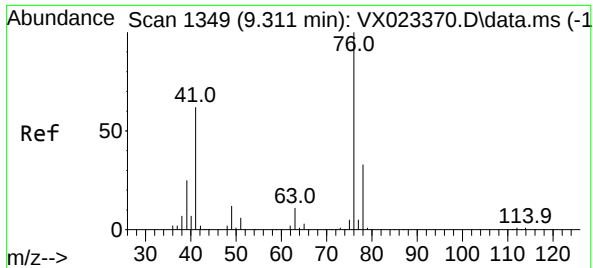
Tgt Ion: 43 Resp: 79005
Ion Ratio Lower Upper
43 100
58 8.2 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 11.941 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

Tgt Ion: 75 Resp: 33403
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 37.5 35.1 52.7



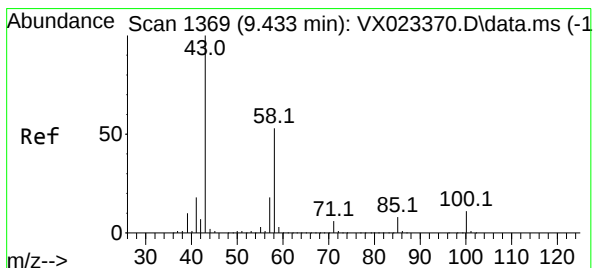
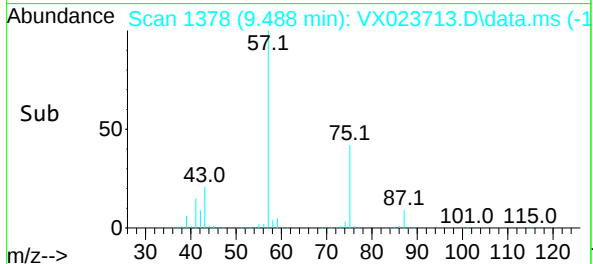
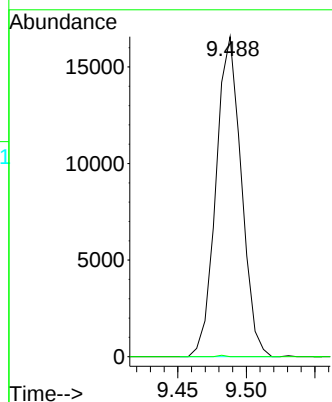
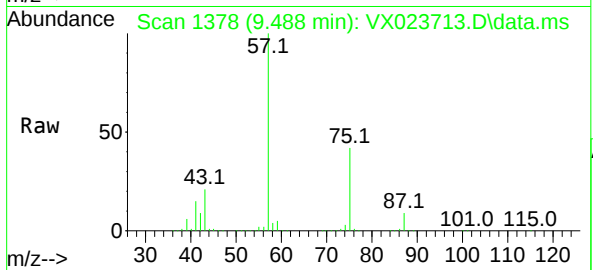


#57

1,3-Dichloropropane
Concen: 7.196 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

Instrument :
MSVOA_X
ClientSampled :

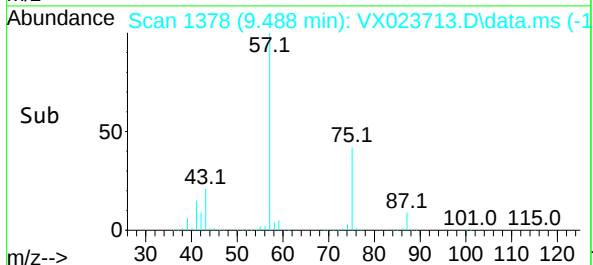
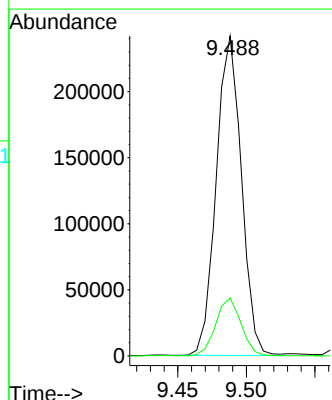
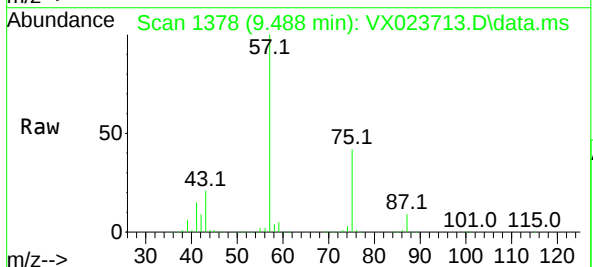
Tgt Ion: 76 Resp: 21286
Ion Ratio Lower Upper
76 100
78 0.1 26.2 39.2#

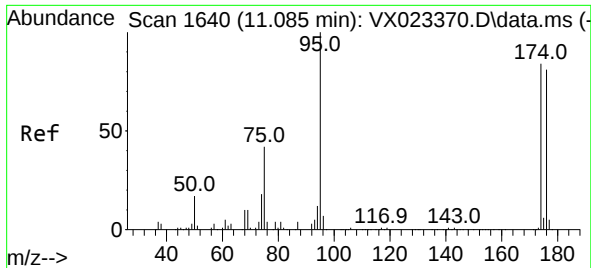


#59

2-Hexanone
Concen: 145.051 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

Tgt Ion: 43 Resp: 308056
Ion Ratio Lower Upper
43 100
58 18.2 30.9 92.8#

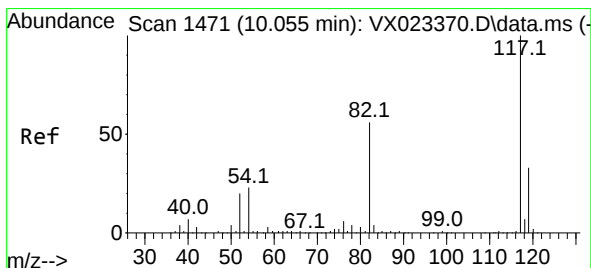
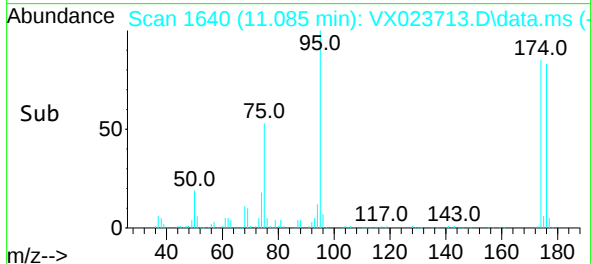
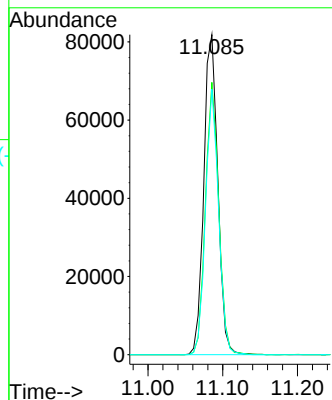
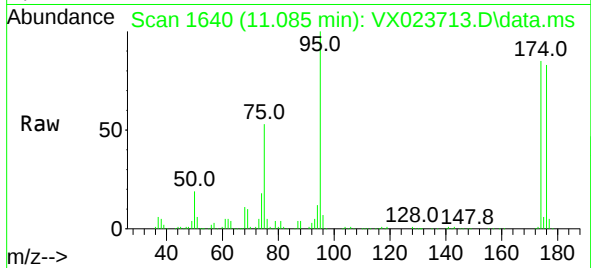




#62
4-Bromofluorobenzene
Concen: 52.630 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

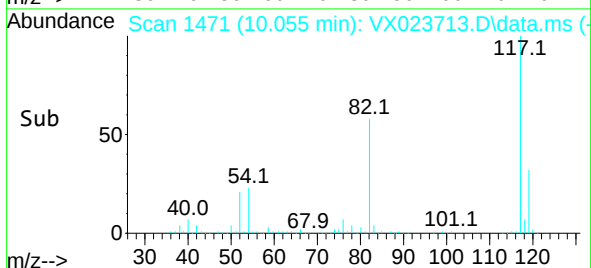
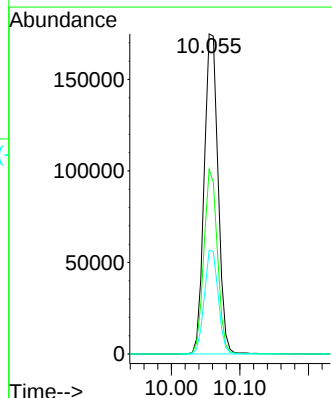
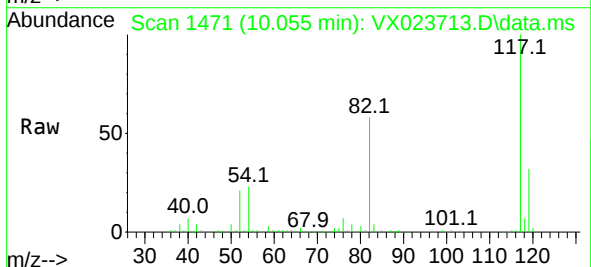
Instrument :
MSVOA_X
ClientSampleId :

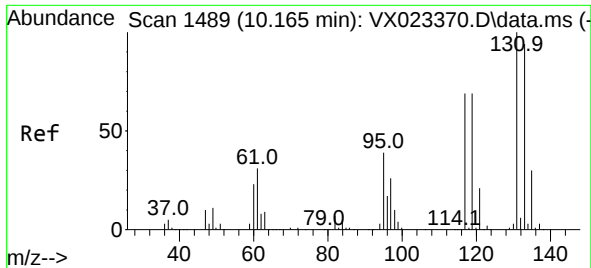
Tgt Ion: 95 Resp: 106359
Ion Ratio Lower Upper
95 100
174 81.0 0.0 154.6
176 77.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

Tgt Ion: 117 Resp: 247331
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 32.4 26.6 39.8

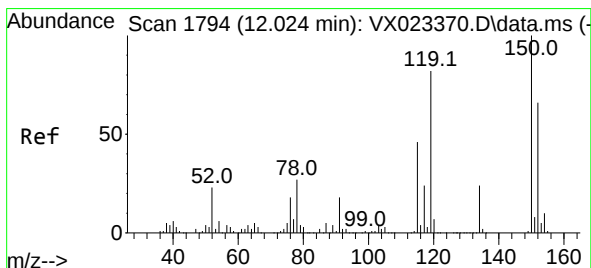
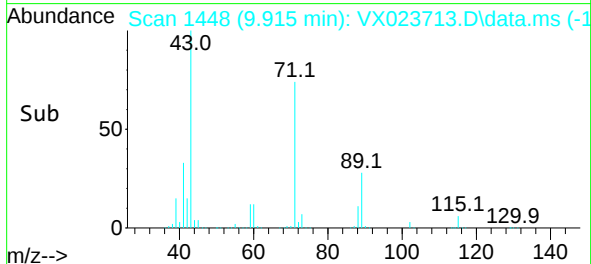
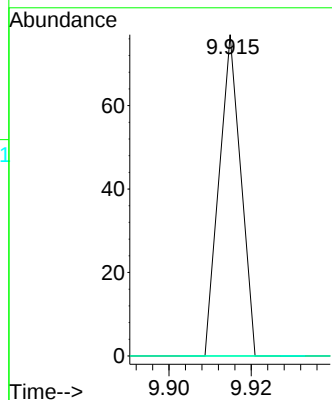
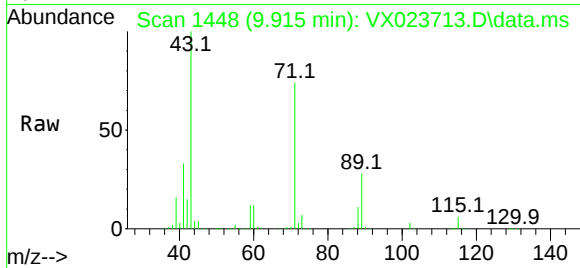




#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.989 ug/l
 RT: 9.915 min Scan# 1448
 Delta R.T. -0.250 min
 Lab File: VX023713.D
 Acq: 14 Aug 2021 01:15

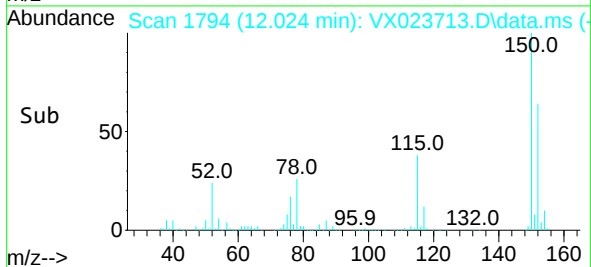
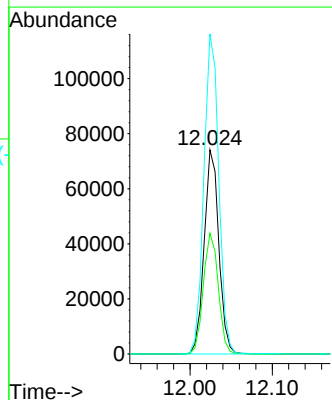
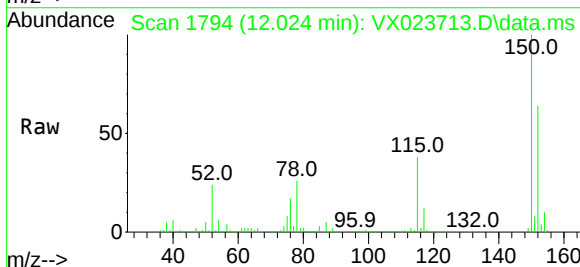
Instrument :
 MSVOA_X
 ClientSampleId :

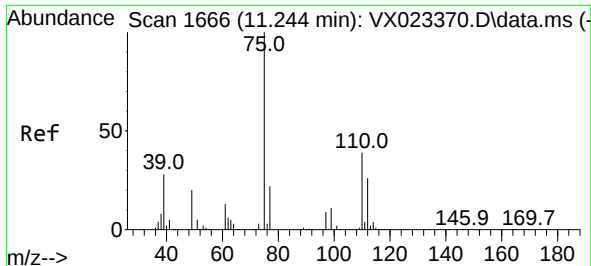
Tgt Ion:131 Resp: 28
 Ion Ratio Lower Upper
 131 100
 133 0.0 47.7 143.1#
 119 0.0 32.1 96.5#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023713.D
 Acq: 14 Aug 2021 01:15

Tgt Ion:152 Resp: 91842
 Ion Ratio Lower Upper
 152 100
 115 60.2 41.1 123.3
 150 159.1 0.0 349.0

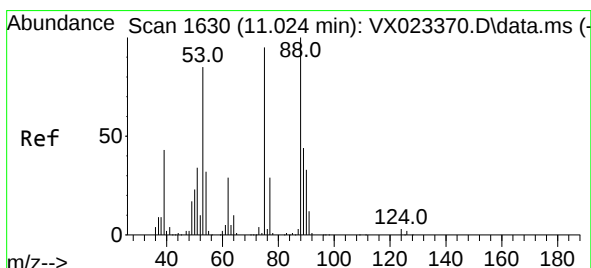
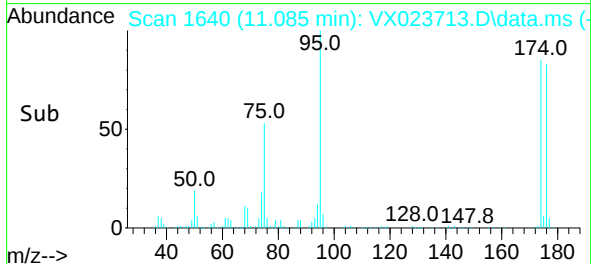
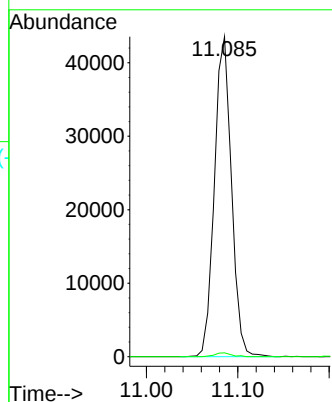
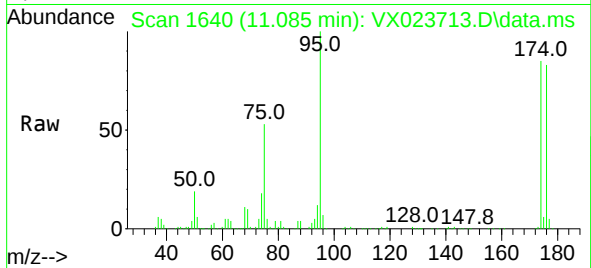




#76
1,2,3-Trichloropropane
Concen: 27.845 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 56277
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.873 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023713.D
Acq: 14 Aug 2021 01:15

Tgt Ion: 75 Resp: 56277
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.1 37.9 56.9#

