

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081621\
 Data File : VX023744.D
 Acq On : 16 Aug 2021 17:35
 Operator : JC/MD
 Sample : M3407-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 17 06:18:53 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	136940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	235181	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99202	58.074	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	116.140%
35) Dibromofluoromethane	5.397	113	76964	52.340	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.680%
50) Toluene-d8	8.653	98	295099	54.623	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	109.240%
62) 4-Bromofluorobenzene	11.085	95	96946	52.772	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.540%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	202	0.229	ug/l #	36
6) Chloroethane	1.697	64	395	0.433	ug/l #	43
11) Tert butyl alcohol	2.965	59	202	0.518	ug/l #	73
13) Acrolein	2.233	56	29	1.509	ug/l #	1
16) Acetone	2.386	43	16625	19.840	ug/l	93
18) Methyl Acetate	2.709	43	1133	0.569	ug/l #	74
20) Methylene Chloride	2.794	84	10517	6.452	ug/l #	82
25) 2-Butanone	4.574	43	2598	1.997	ug/l	95
29) Tetrahydrofuran	5.038	42	955	1.120	ug/l #	70
31) Cyclohexane	5.556	56	3193	1.262	ug/l #	21
36) 1,1-Dichloropropene	5.556	75	10885	5.116	ug/l #	49
38) Carbon Tetrachloride	5.556	117	13456	6.219	ug/l #	17
43) Isopropyl Acetate	6.348	43	21717	5.225	ug/l	92
48) Methyl methacrylate	7.806	41	103027	53.520	ug/l #	38
49) 1,4-Dioxane	7.806	88	129	3.147	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	76462	30.075	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	32223	12.672	ug/l #	69
57) 1,3-Dichloropropane	9.488	76	16848	6.266	ug/l #	43
59) 2-Hexanone	9.384	43	11146	5.773	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	51731	26.020	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	51731	69.964	ug/l #	12

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

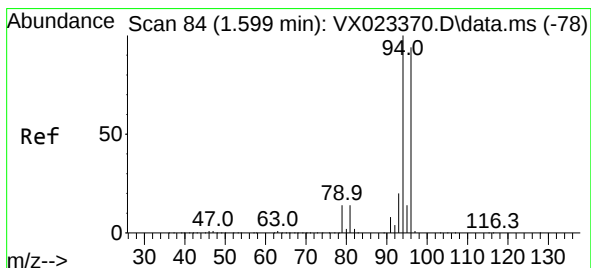
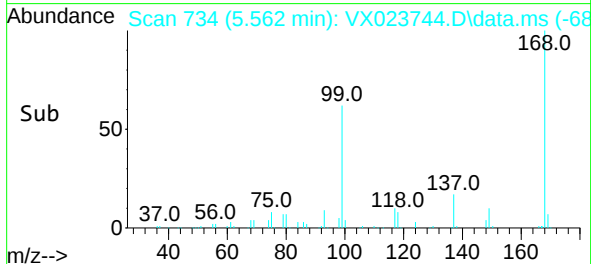
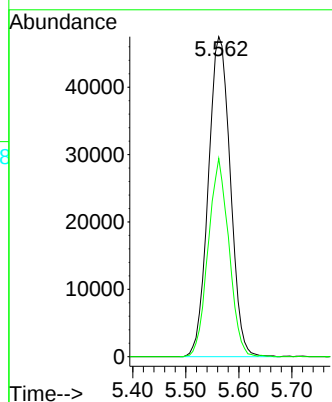
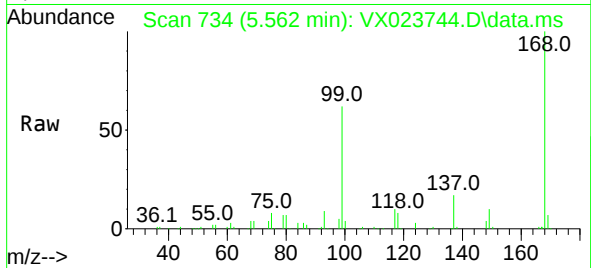
Instrument :
MSVOA_X
ClientSampleId :



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023744.D
Acq: 16 Aug 2021 17:35

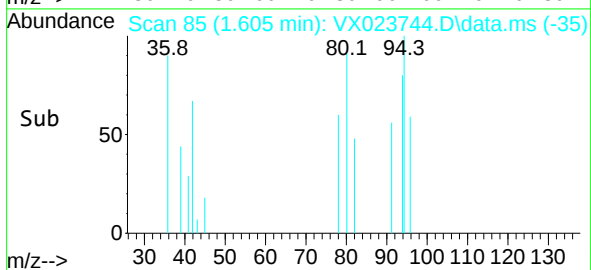
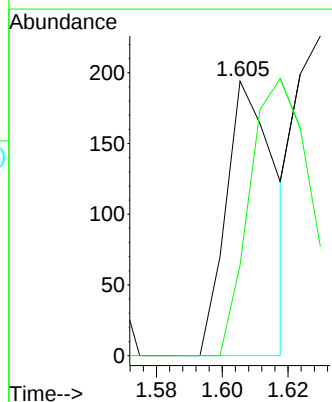
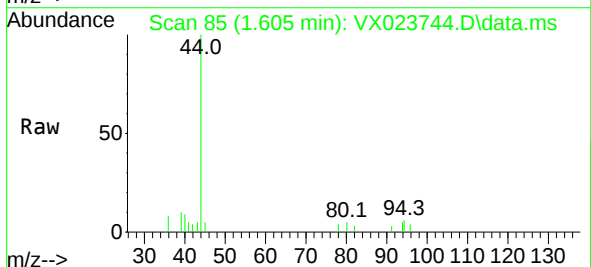
Instrument :
MSVOA_X
ClientSampled :

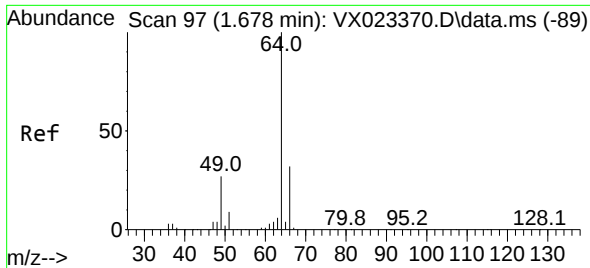
Tgt Ion:168 Resp: 136940
Ion Ratio Lower Upper
168 100
99 62.0 45.8 68.6



#5
Bromomethane
Concen: 0.229 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX023744.D
Acq: 16 Aug 2021 17:35

Tgt Ion: 94 Resp: 202
Ion Ratio Lower Upper
94 100
96 33.0 76.4 114.6#

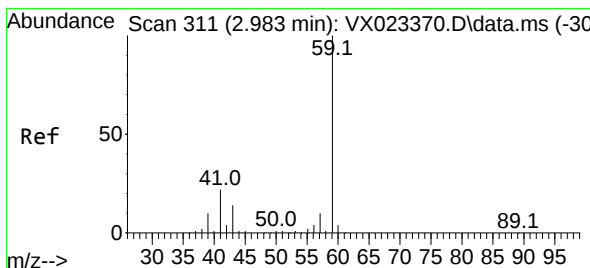
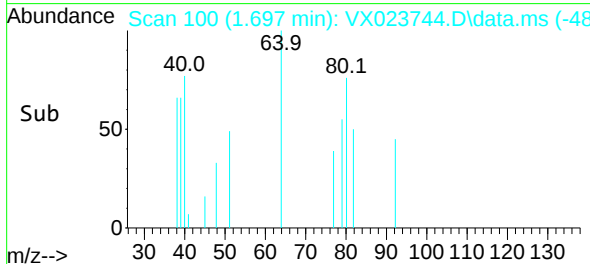
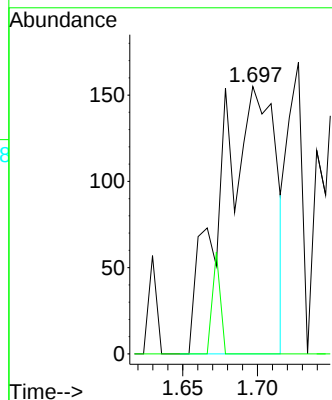
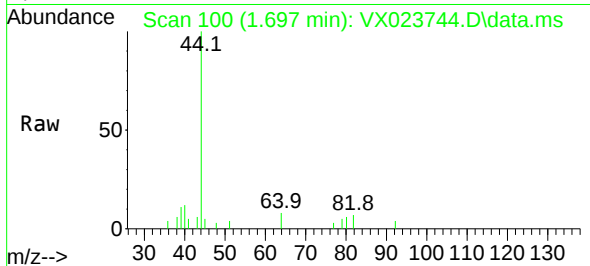




#6
Chloroethane
Concen: 0.433 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.019 min
Lab File: VX023744.D
Acq: 16 Aug 2021 17:35

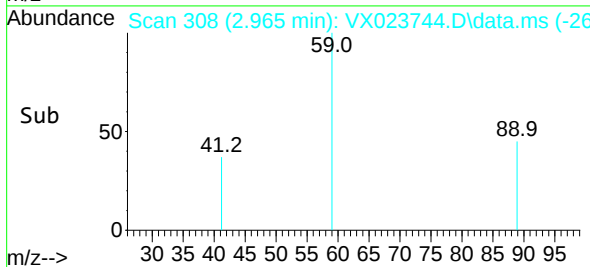
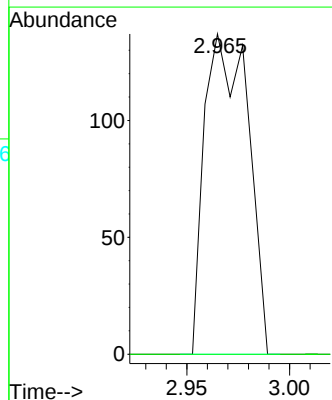
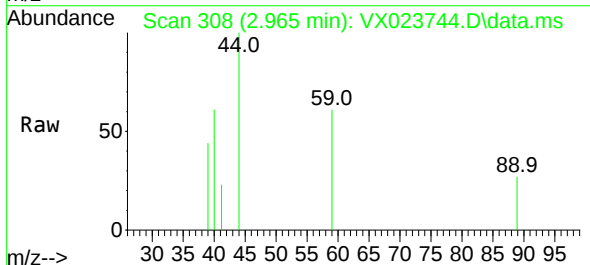
Instrument :
MSVOA_X
ClientSampleId :

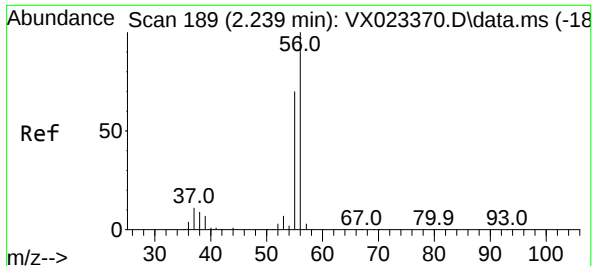
Tgt Ion: 64 Resp: 395
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 0.518 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023744.D
Acq: 16 Aug 2021 17:35

Tgt Ion: 59 Resp: 202
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

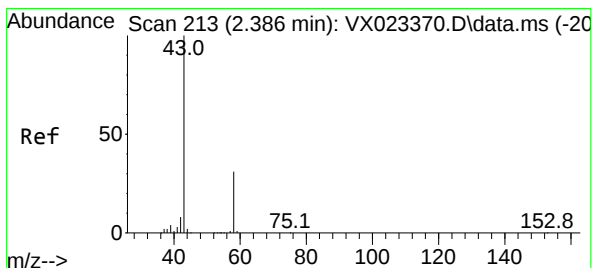
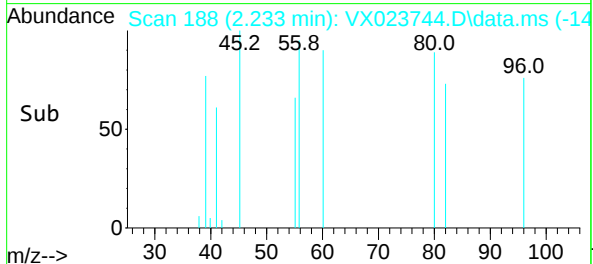
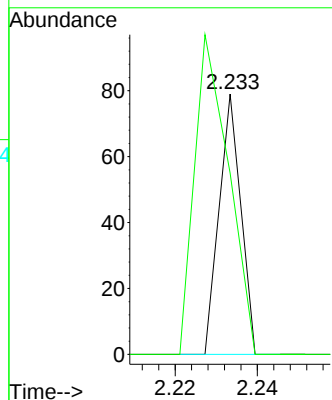
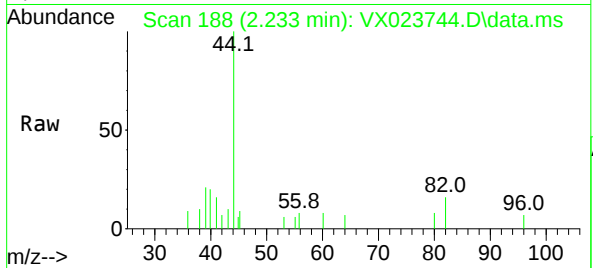




#13
Acrolein
Concen: 1.509 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX023744.D
Acq: 16 Aug 2021 17:35

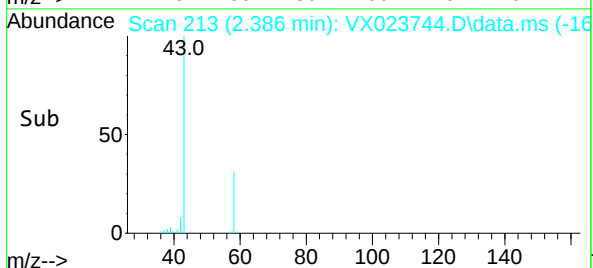
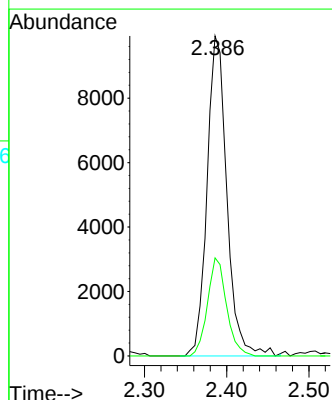
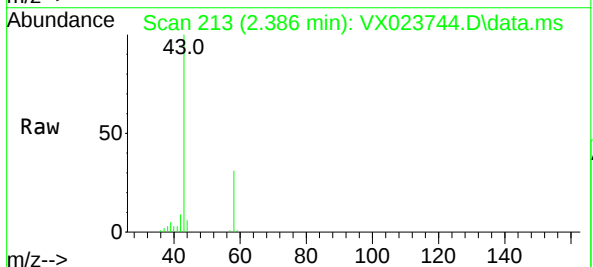
Instrument :
MSVOA_X
ClientSampled :

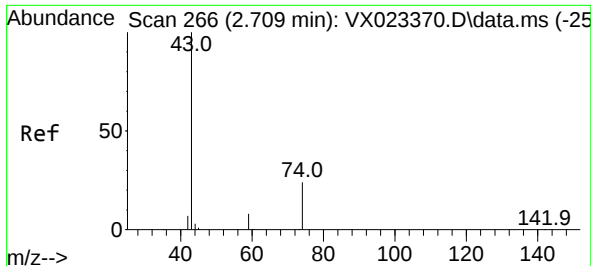
Tgt Ion: 56 Resp: 29
Ion Ratio Lower Upper
56 100
55 193.1 56.4 84.6#



#16
Acetone
Concen: 19.840 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023744.D
Acq: 16 Aug 2021 17:35

Tgt Ion: 43 Resp: 16625
Ion Ratio Lower Upper
43 100
58 30.7 27.8 41.8

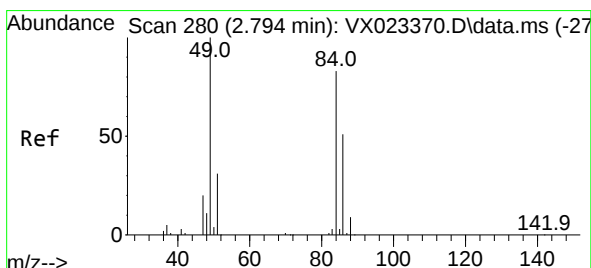
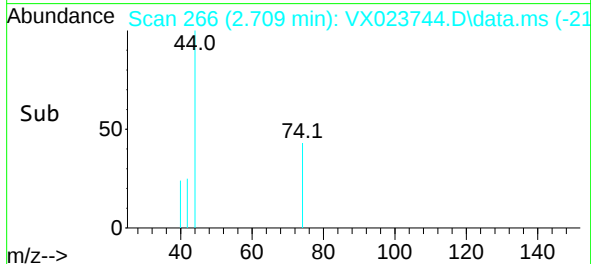
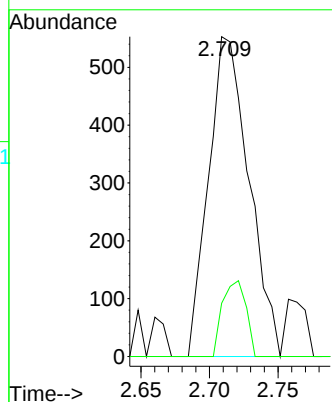
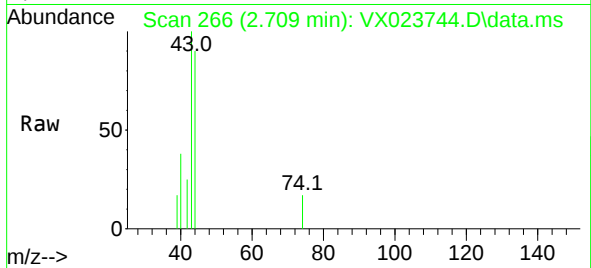




#18
Methyl Acetate
Concen: 0.569 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX023744.D
Acq: 16 Aug 2021 17:35

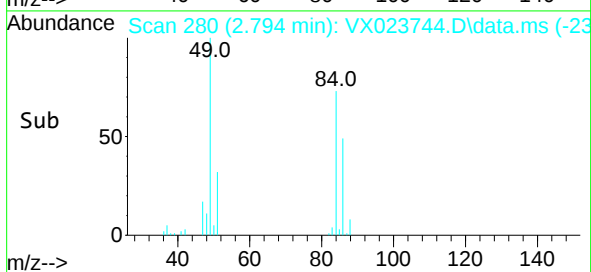
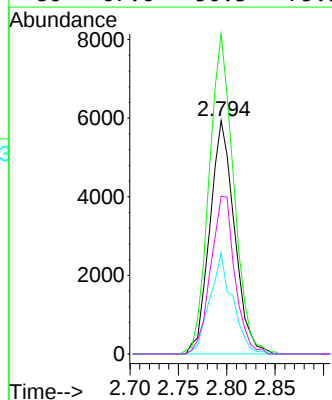
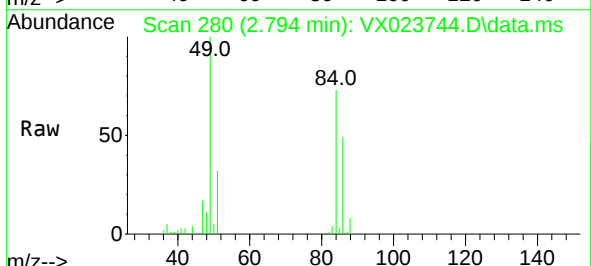
Instrument :
MSVOA_X
ClientSampled :

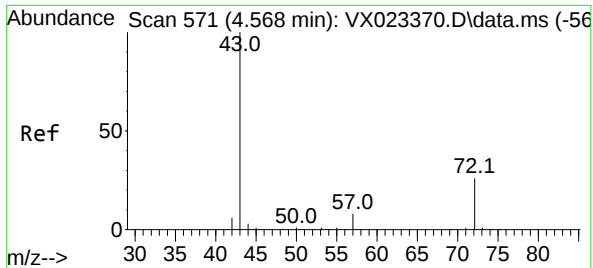
Tgt Ion: 43 Resp: 1133
Ion Ratio Lower Upper
43 100
74 13.9 21.9 32.9#



#20
Methylene Chloride
Concen: 6.452 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023744.D
Acq: 16 Aug 2021 17:35

Tgt Ion: 84 Resp: 10517
Ion Ratio Lower Upper
84 100
49 137.1 88.6 132.8#
51 43.3 27.0 40.6#
86 67.6 50.3 75.5

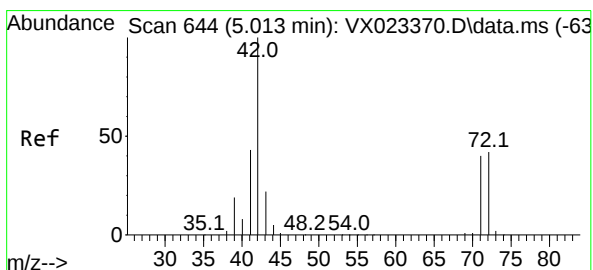
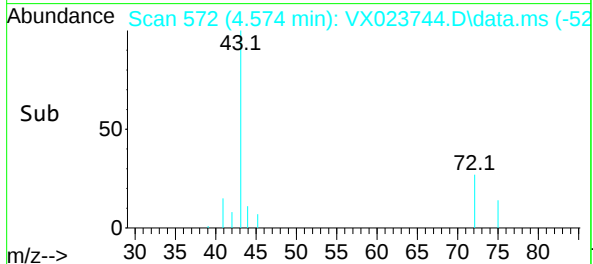
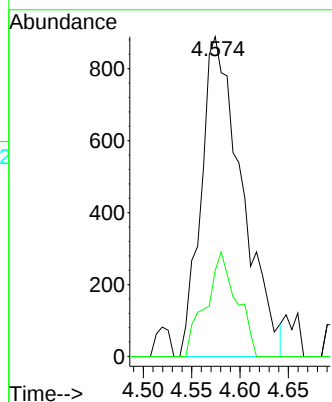
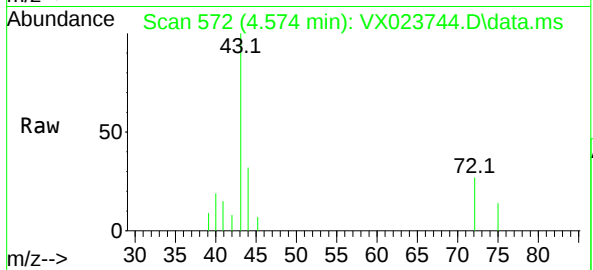




#25
2-Butanone
Concen: 1.997 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023744.D
Acq: 16 Aug 2021 17:35

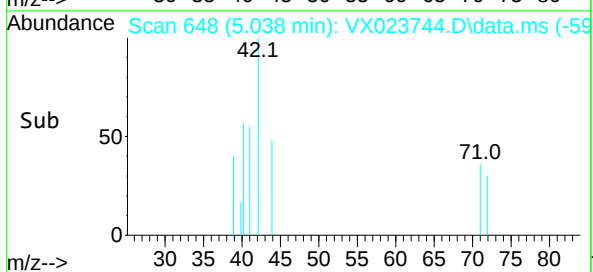
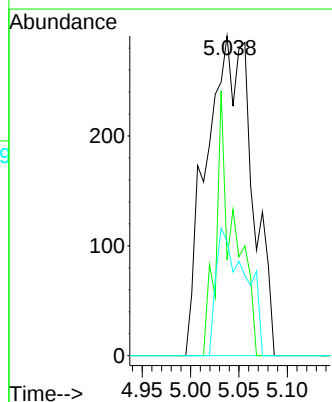
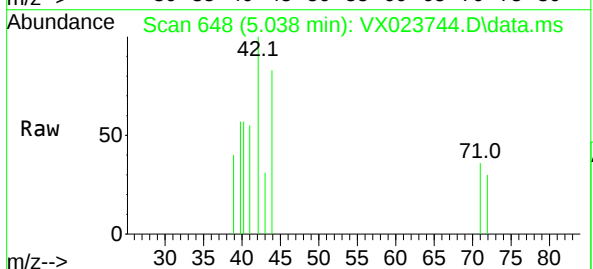
Instrument :
MSVOA_X
ClientSampled :

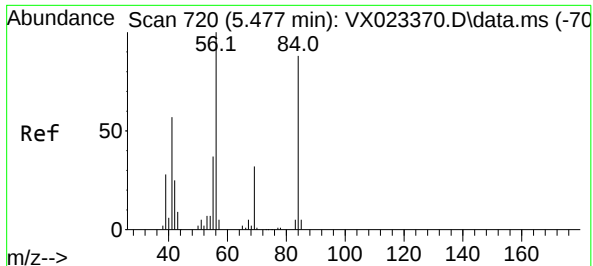
Tgt Ion: 43 Resp: 2598
Ion Ratio Lower Upper
43 100
72 27.0 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.120 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.025 min
Lab File: VX023744.D
Acq: 16 Aug 2021 17:35

Tgt Ion: 42 Resp: 955
Ion Ratio Lower Upper
42 100
72 32.9 41.7 62.5#
71 25.5 38.4 57.6#

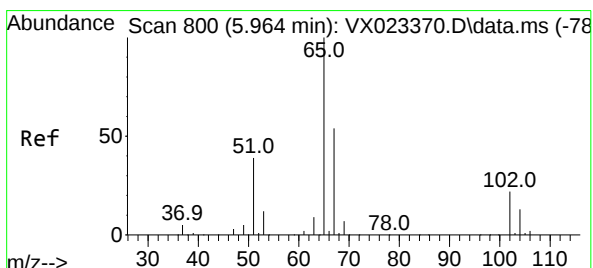
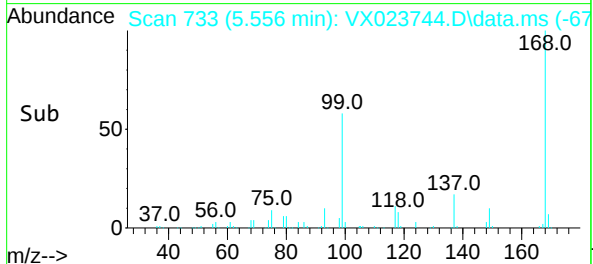
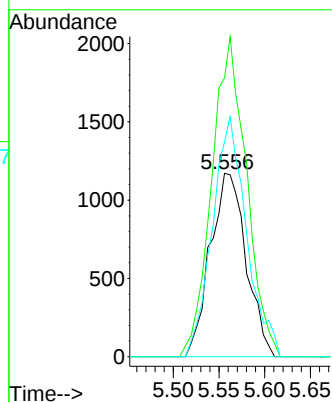
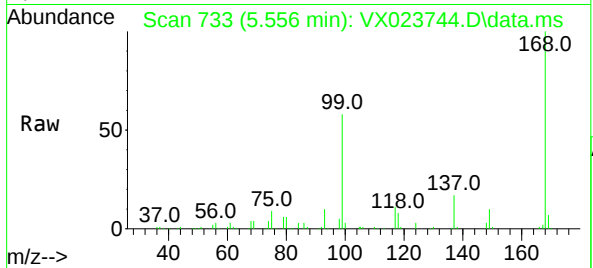




#31
Cyclohexane
Concen: 1.262 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023744.D
Acq: 16 Aug 2021 17:35

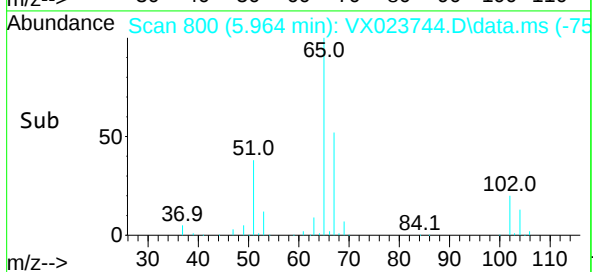
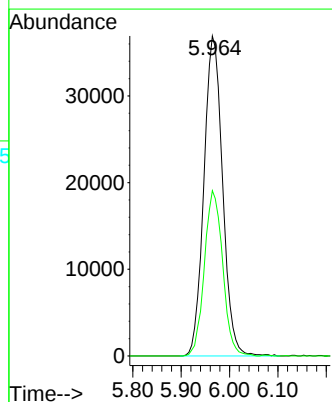
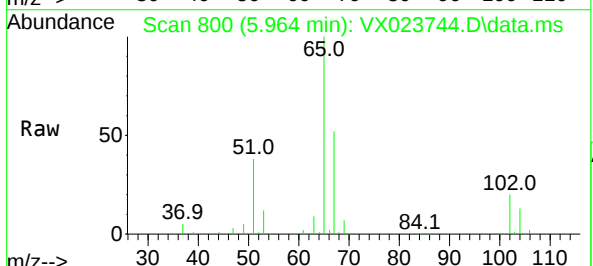
Instrument :
MSVOA_X
ClientSampled :

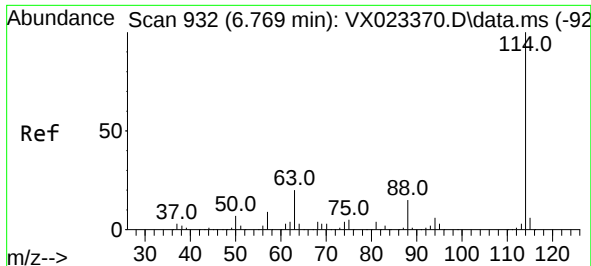
Tgt Ion: 56 Resp: 3193
Ion Ratio Lower Upper
56 100
69 152.0 25.3 37.9#
84 117.1 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 58.074 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023744.D
Acq: 16 Aug 2021 17:35

Tgt Ion: 65 Resp: 99202
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.4

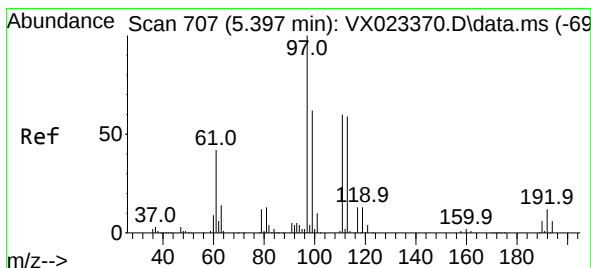
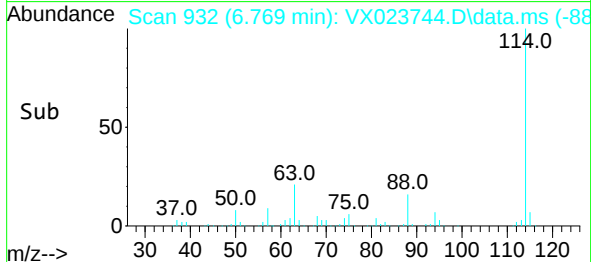
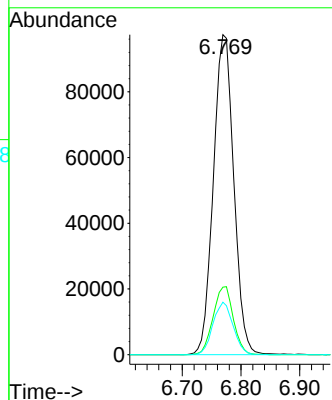
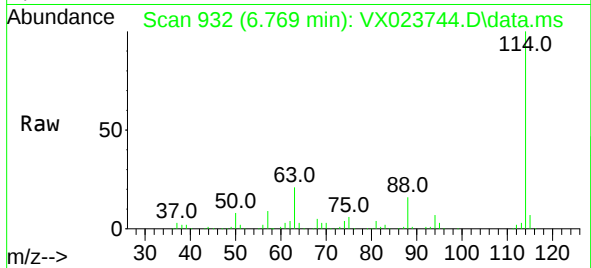




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023744.D
Acq: 16 Aug 2021 17:35

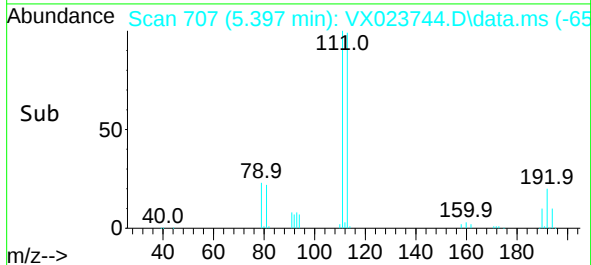
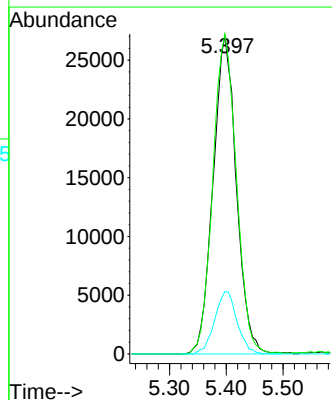
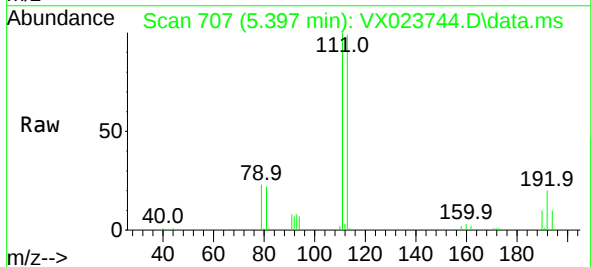
Instrument :
MSVOA_X
ClientSampled :

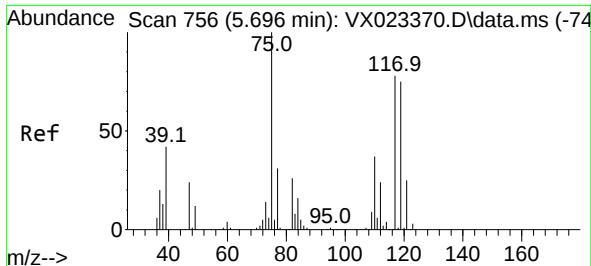
Tgt Ion:114 Resp: 235181
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 16.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.340 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023744.D
Acq: 16 Aug 2021 17:35

Tgt Ion:113 Resp: 76964
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 19.0 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.116 ug/l

RT: 5.556 min Scan# 733

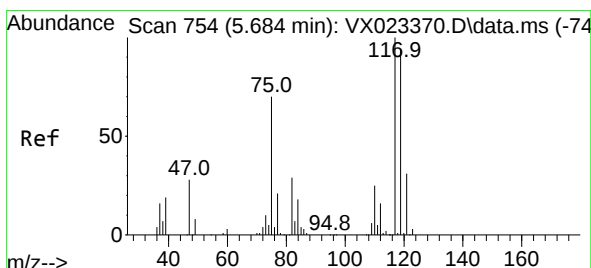
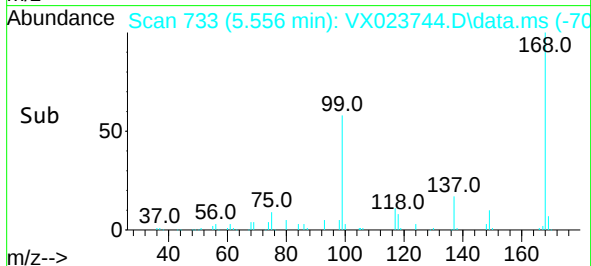
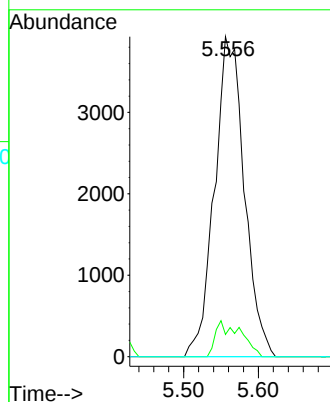
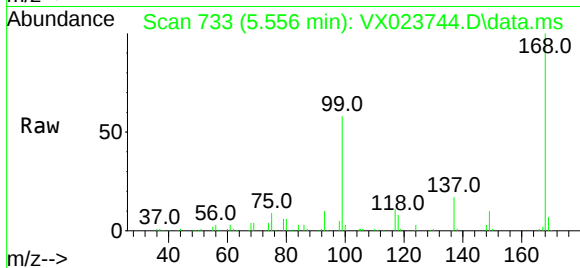
Delta R.T. -0.140 min

Lab File: VX023744.D

Acq: 16 Aug 2021 17:35

Tgt Ion: 75	Resp: 10885
Ion Ratio	Lower Upper
75 100	
110 9.4	18.1 54.4#
77 0.0	25.3 37.9#

Instrument :
MSVOA_X
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.219 ug/l

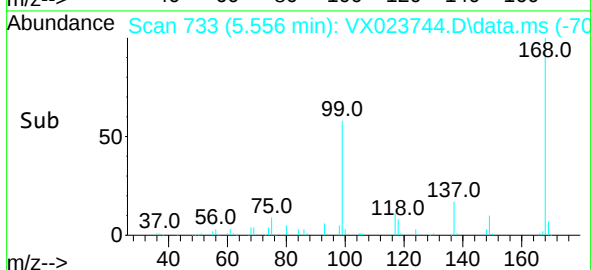
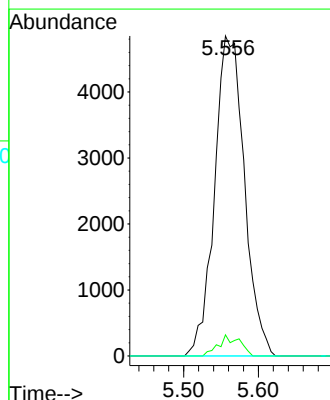
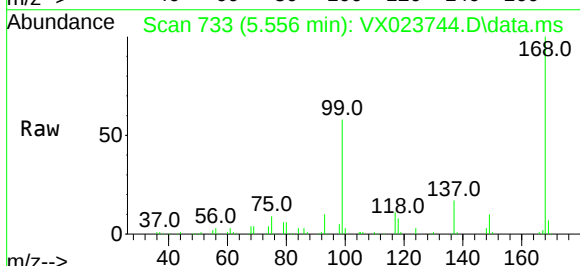
RT: 5.556 min Scan# 733

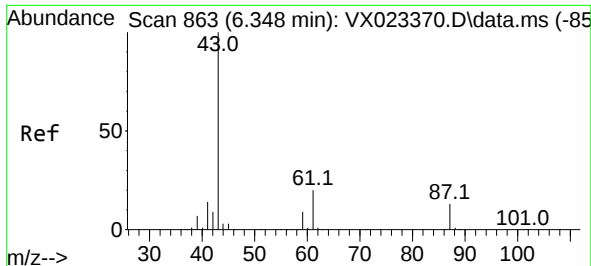
Delta R.T. -0.128 min

Lab File: VX023744.D

Acq: 16 Aug 2021 17:35

Tgt Ion: 117	Resp: 13456
Ion Ratio	Lower Upper
117 100	
119 6.6	76.2 114.2#
121 0.0	24.8 37.2#

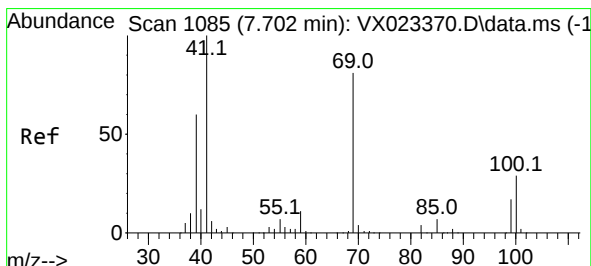
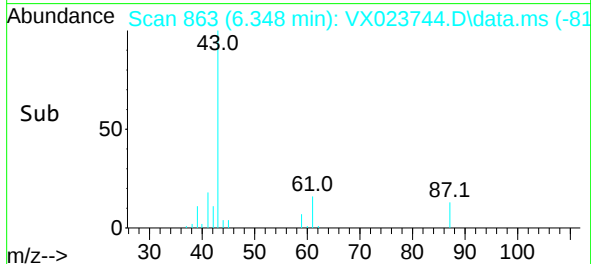
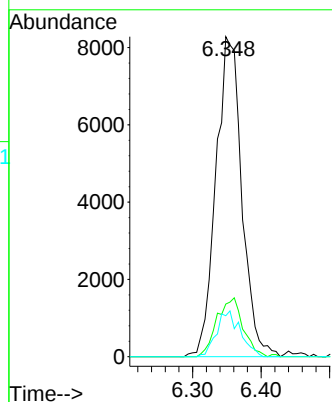
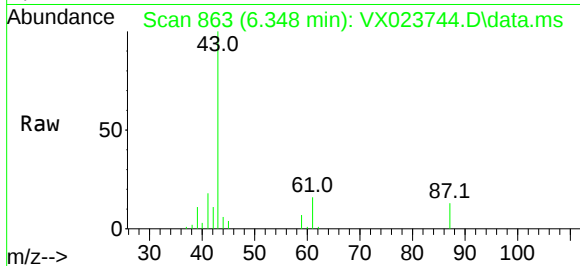




#43
Isopropyl Acetate
Concen: 5.225 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023744.D
Acq: 16 Aug 2021 17:35

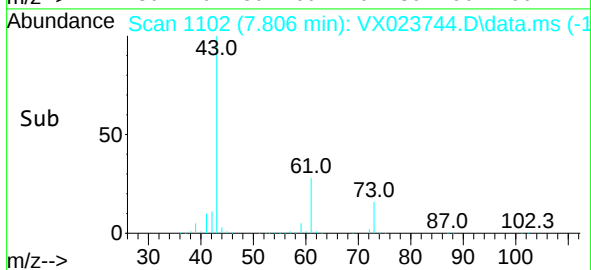
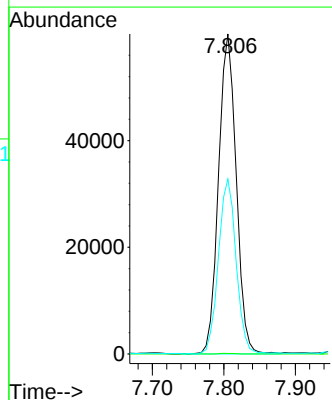
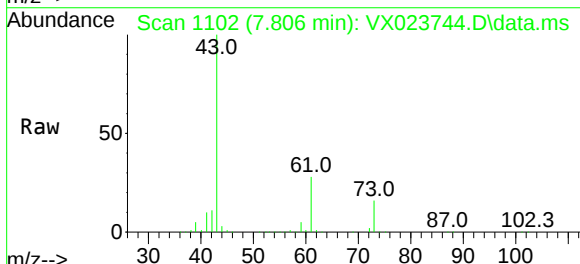
Instrument :
MSVOA_X
ClientSampled :

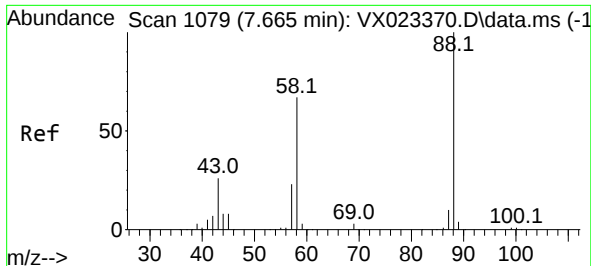
Tgt Ion:	43	Resp:	21717
Ion	Ratio	Lower	Upper
43	100		
61	18.6	18.2	27.4
87	13.2	12.5	18.7



#48
Methyl methacrylate
Concen: 53.520 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.104 min
Lab File: VX023744.D
Acq: 16 Aug 2021 17:35

Tgt Ion:	41	Resp:	103027
Ion	Ratio	Lower	Upper
41	100		
69	0.2	76.0	114.0#
39	54.7	44.6	67.0





#49

1,4-Dioxane

Concen: 3.147 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.141 min

Lab File: VX023744.D

Acq: 16 Aug 2021 17:35

Tgt Ion: 88 Resp: 129

Ion Ratio Lower Upper

88 100

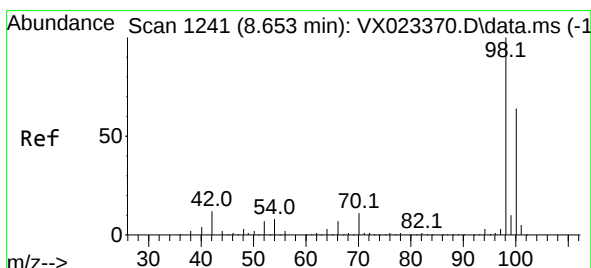
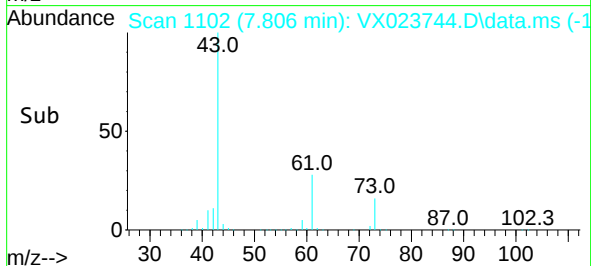
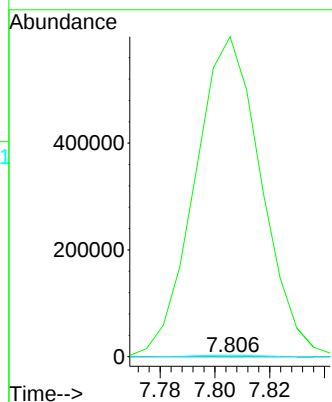
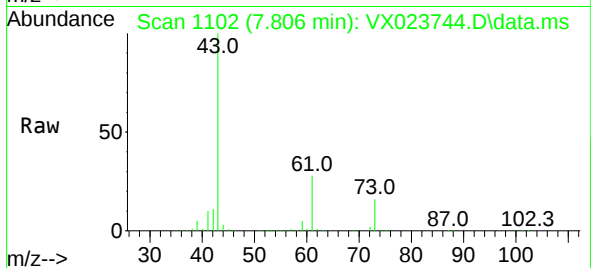
43 789247.3 23.2 34.8#

58 3591.5 55.0 82.4#

Instrument :

MSVOA_X

ClientSampled :



#50

Toluene-d8

Concen: 54.623 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023744.D

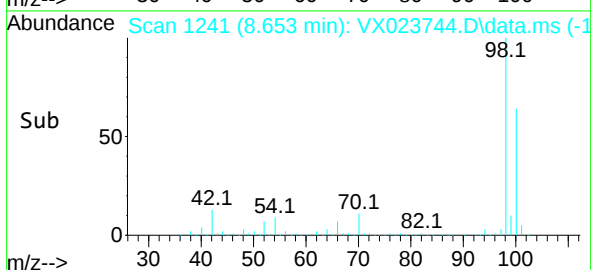
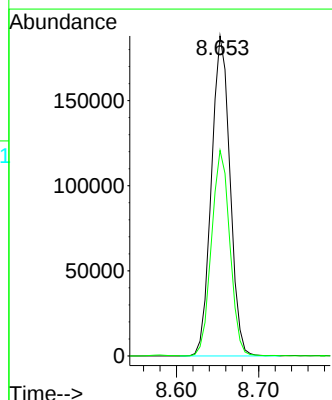
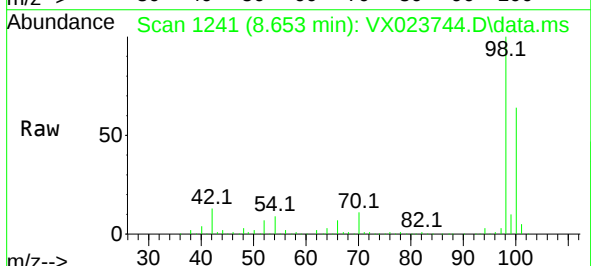
Acq: 16 Aug 2021 17:35

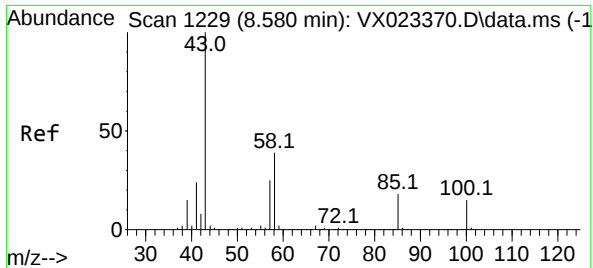
Tgt Ion: 98 Resp: 295099

Ion Ratio Lower Upper

98 100

100 63.5 51.9 77.9

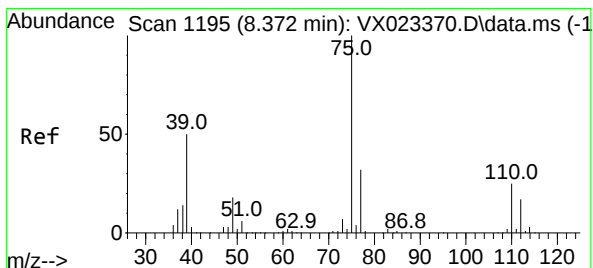
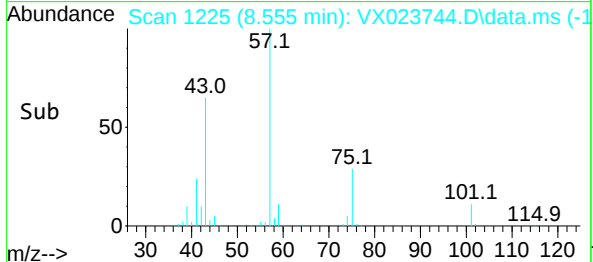
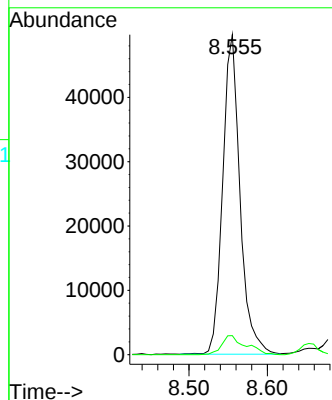
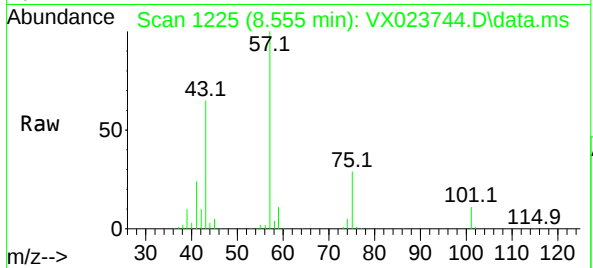




#51
4-Methyl-2-Pentanone
Concen: 30.075 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023744.D
Acq: 16 Aug 2021 17:35

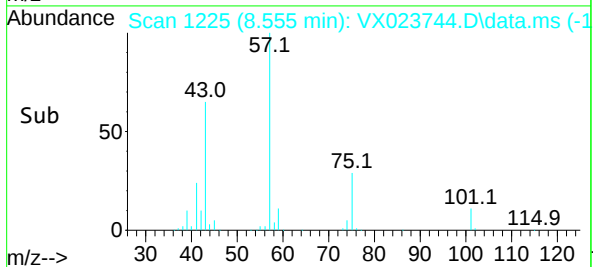
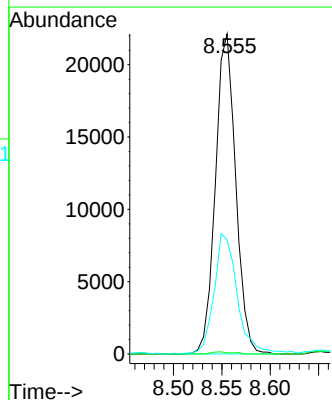
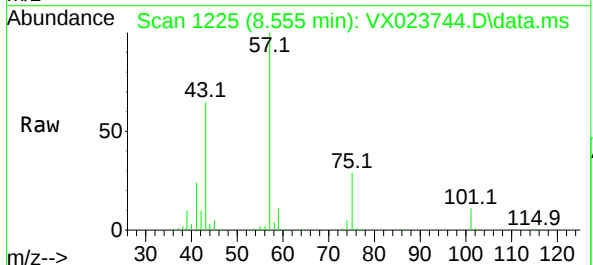
Instrument :
MSVOA_X
ClientSampled :

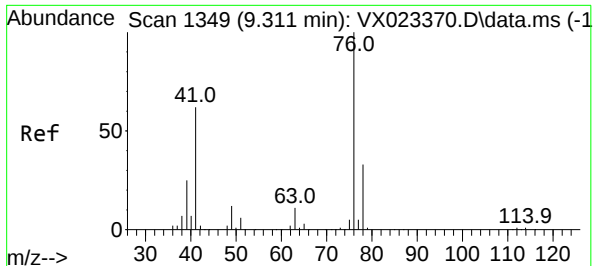
Tgt Ion: 43 Resp: 76462
Ion Ratio Lower Upper
43 100
58 8.3 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 12.672 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023744.D
Acq: 16 Aug 2021 17:35

Tgt Ion: 75 Resp: 32223
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 35.7 35.1 52.7



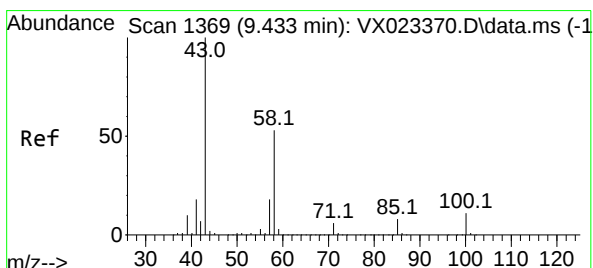
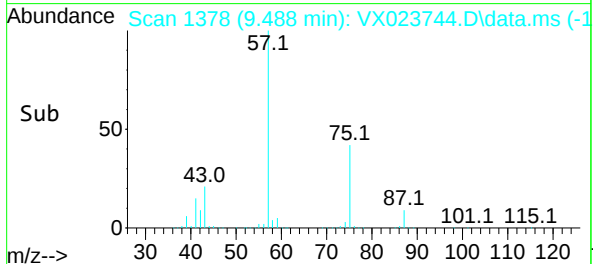
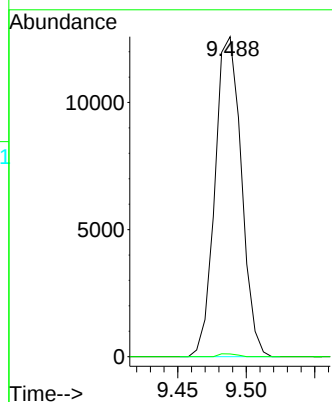
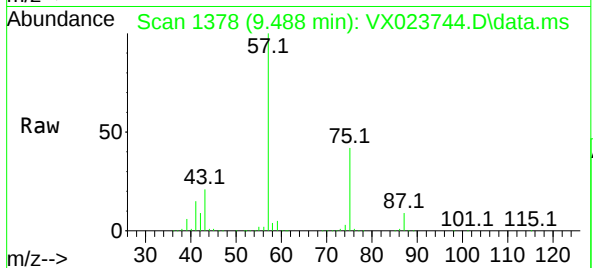


#57

1,3-Dichloropropane
Concen: 6.266 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023744.D
Acq: 16 Aug 2021 17:35

Instrument :
MSVOA_X
ClientSampled :

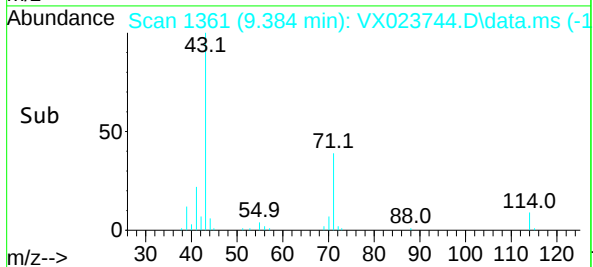
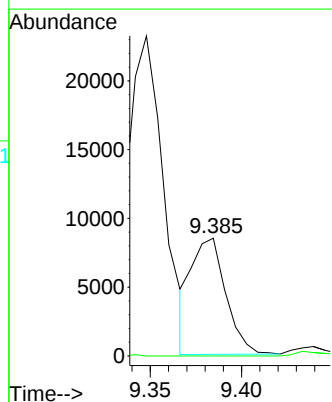
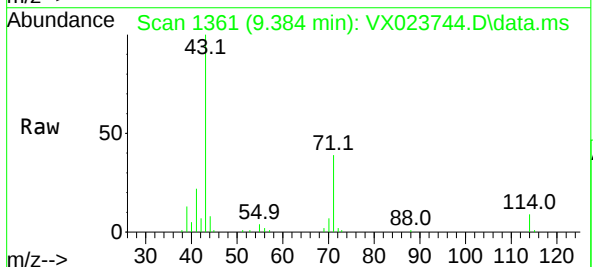
Tgt Ion: 76 Resp: 16848
Ion Ratio Lower Upper
76 100
78 0.6 26.2 39.2#

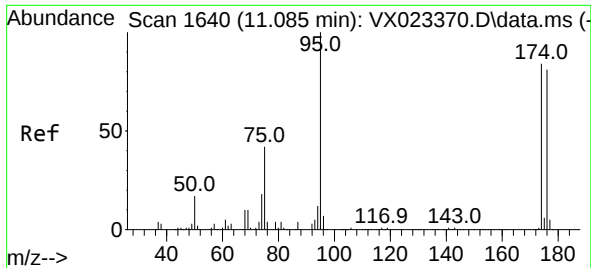


#59

2-Hexanone
Concen: 5.773 ug/l
RT: 9.384 min Scan# 1361
Delta R.T. -0.049 min
Lab File: VX023744.D
Acq: 16 Aug 2021 17:35

Tgt Ion: 43 Resp: 11146
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

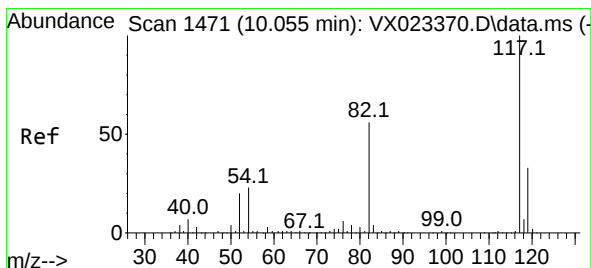
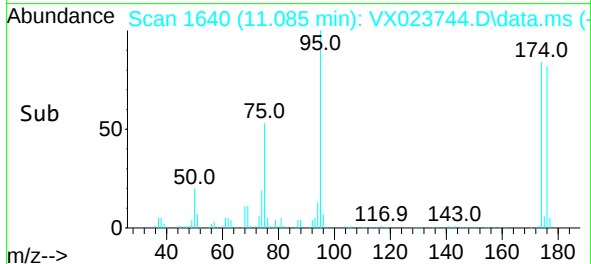
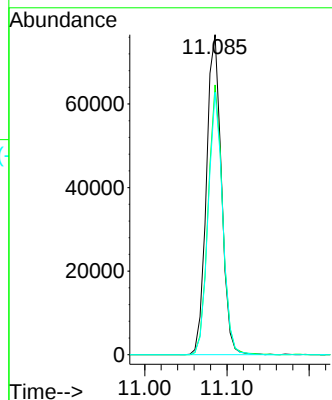
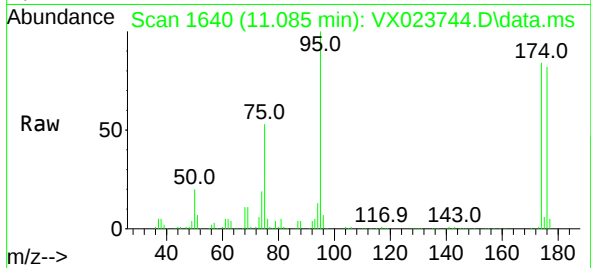




#62
4-Bromofluorobenzene
Concen: 52.772 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023744.D
Acq: 16 Aug 2021 17:35

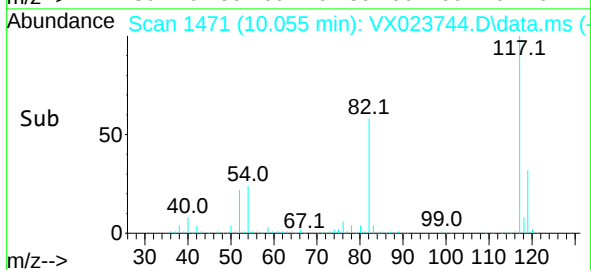
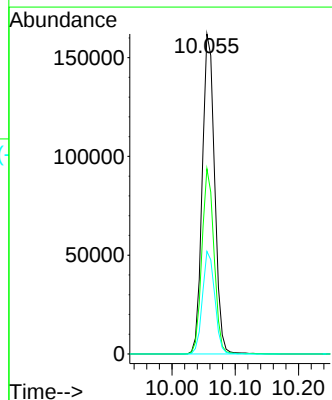
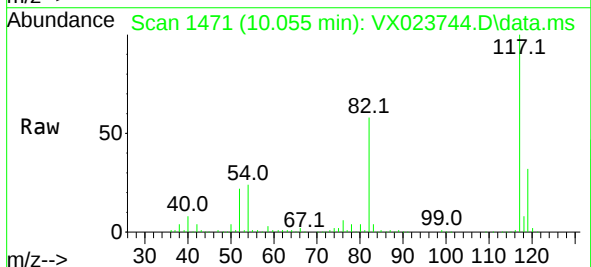
Instrument :
MSVOA_X
ClientSampled :

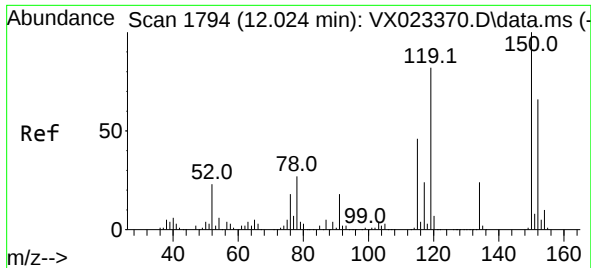
Tgt Ion: 95 Resp: 96946
Ion Ratio Lower Upper
95 100
174 80.8 0.0 154.6
176 78.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023744.D
Acq: 16 Aug 2021 17:35

Tgt Ion: 117 Resp: 220847
Ion Ratio Lower Upper
117 100
82 57.9 47.4 71.2
119 32.0 26.6 39.8

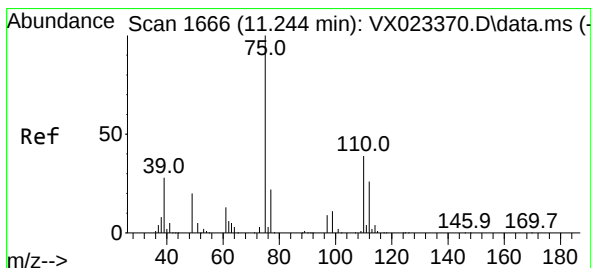
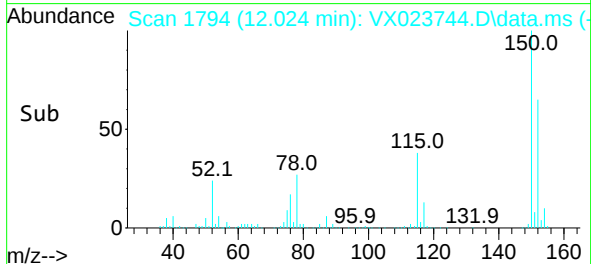
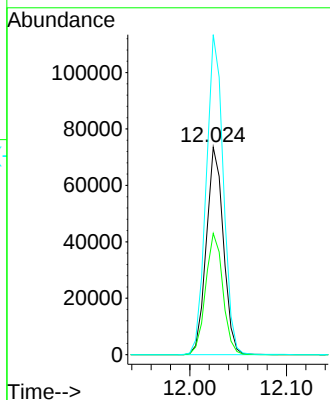
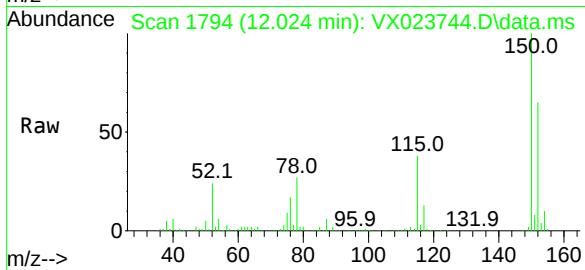




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023744.D
 Acq: 16 Aug 2021 17:35

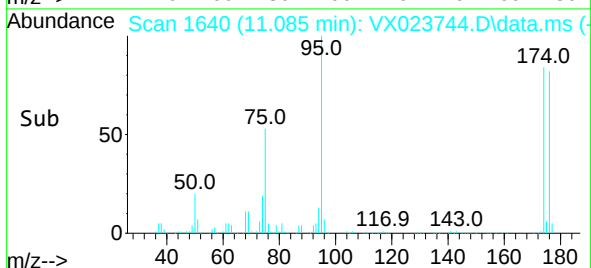
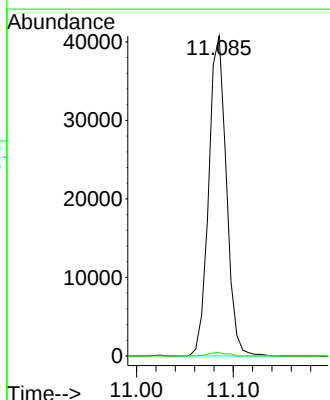
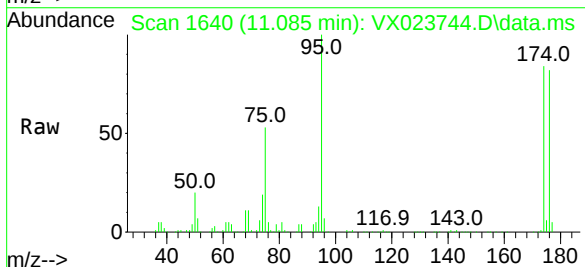
Instrument :
 MSVOA_X
 ClientSampled :

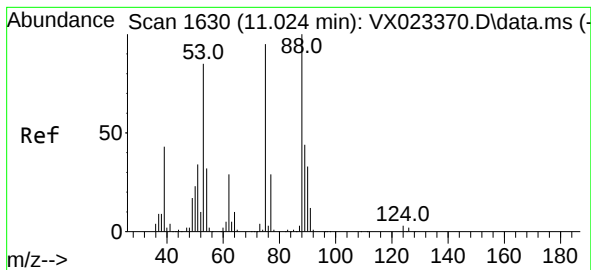
Tgt Ion:152 Resp: 90346
 Ion Ratio Lower Upper
 152 100
 115 59.0 41.1 123.3
 150 154.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.020 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023744.D
 Acq: 16 Aug 2021 17:35

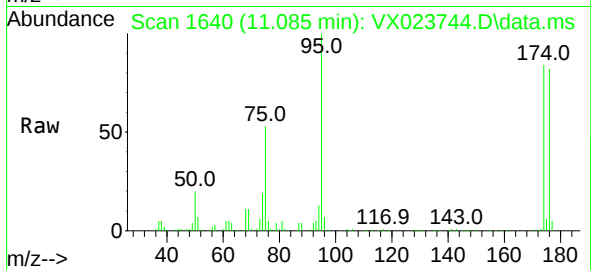
Tgt Ion: 75 Resp: 51731
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.964 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023744.D
 Acq: 16 Aug 2021 17:35

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	75	Resp:	51731
Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.5	111.7#
89	0.0	37.9	56.9#

