

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023686.D
 Acq On : 13 Aug 2021 13:28
 Operator : JC/MD
 Sample : PB138358ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:24:34 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)

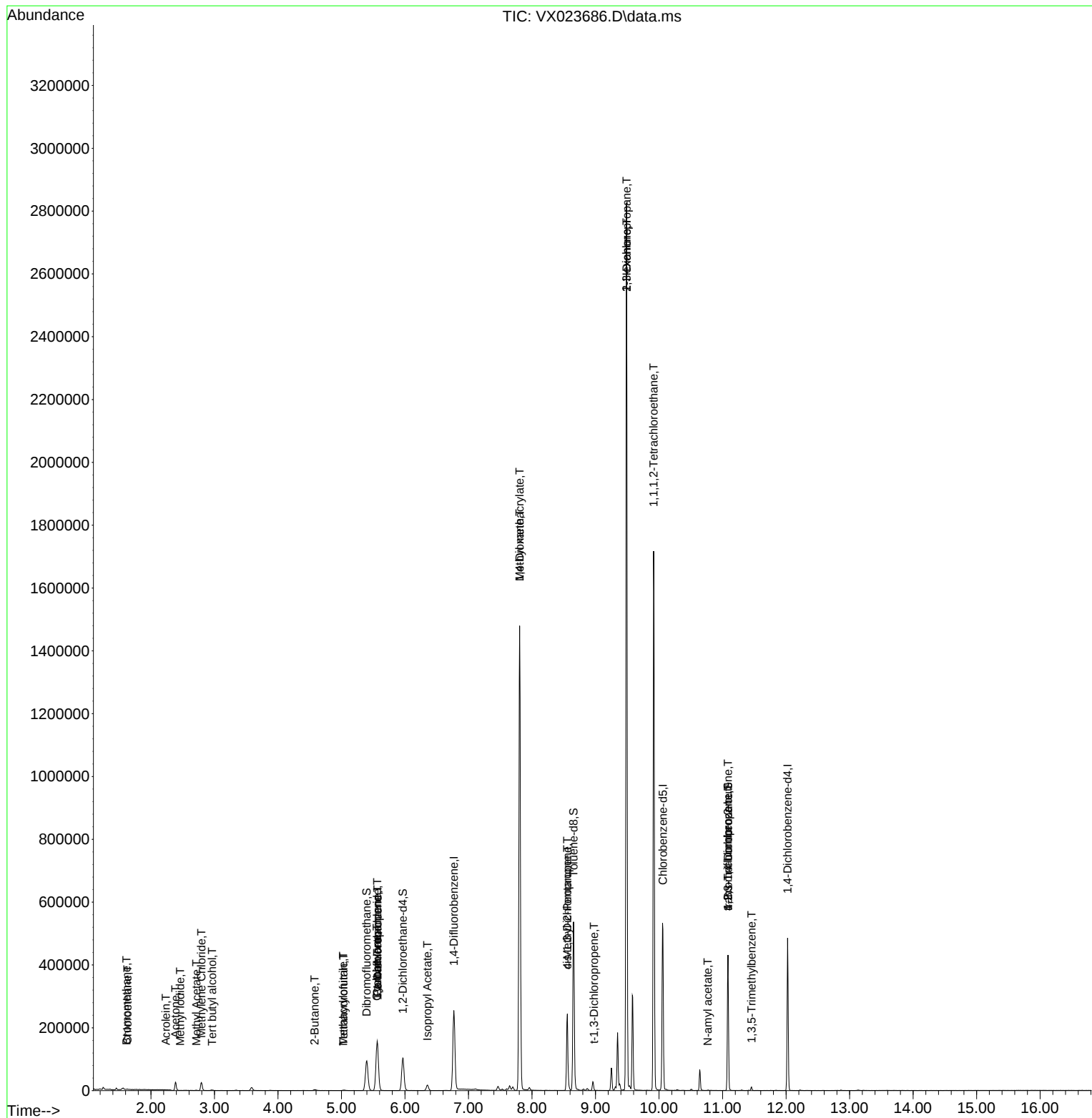
Internal Standards						
1) Pentafluorobenzene	5.562	168	145806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	249571	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	235308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94942	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	101837	55.991	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 111.980%	
35) Dibromofluoromethane	5.397	113	80078	51.318	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.640%	
50) Toluene-d8	8.653	98	311194	54.281	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 108.560%	
62) 4-Bromofluorobenzene	11.085	95	104969	53.845	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.680%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	691	0.736	ug/l	98
6) Chloroethane	1.630	64	230	0.237	ug/l #	43
10) Methyl Iodide	2.459	142	506	0.280	ug/l #	87
11) Tert butyl alcohol	2.965	59	1496	3.601	ug/l #	73
13) Acrolein	2.233	56	150	2.070	ug/l #	73
16) Acetone	2.386	43	27836	31.199	ug/l #	87
18) Methyl Acetate	2.715	43	1623	0.765	ug/l #	79
20) Methylene Chloride	2.794	84	11382	6.558	ug/l #	85
25) 2-Butanone	4.574	43	4509	3.255	ug/l	96
29) Tetrahydrofuran	5.032	42	1526	1.681	ug/l #	68
31) Cyclohexane	5.556	56	3210	1.191	ug/l #	24
36) 1,1-Dichloropropene	5.568	75	11702	5.183	ug/l #	49
38) Carbon Tetrachloride	5.562	117	14643	6.378	ug/l #	15
41) Methacrylonitrile	5.026	41	769	0.512	ug/l #	35
43) Isopropyl Acetate	6.355	43	23226	5.266	ug/l #	91
48) Methyl methacrylate	7.806	41	129881	63.579	ug/l #	38
49) 1,4-Dioxane	7.806	88	200	4.598	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	85706	31.768	ug/l #	45
53) t-1,3-Dichloropropene	8.976	75	34	1.829	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	35330	13.093	ug/l #	71
57) 1,3-Dichloropropane	9.488	76	22797	7.989	ug/l #	43
59) 2-Hexanone	9.488	43	336890	164.440	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	9.915	131	52	1.002	ug/l #	8
74) N-amyl acetate	10.768	43	672	0.206	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	56114	26.858	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	4755	0.815	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.085	75	56114	72.219	ug/l #	12

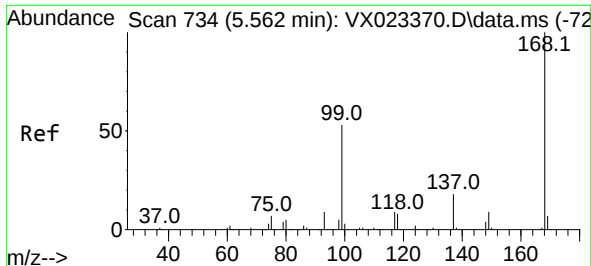
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
Data File : VX023686.D
Acq On : 13 Aug 2021 13:28
Operator : JC/MD
Sample : PB138358ZHE#03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Aug 14 05:24:34 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

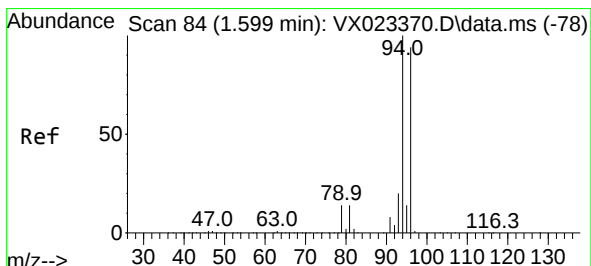
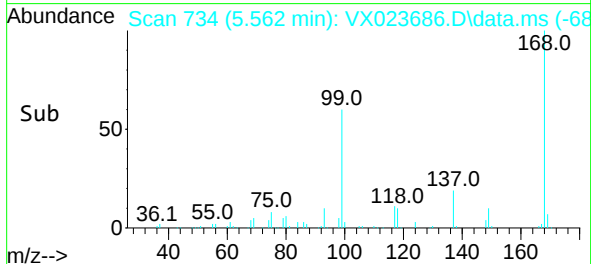
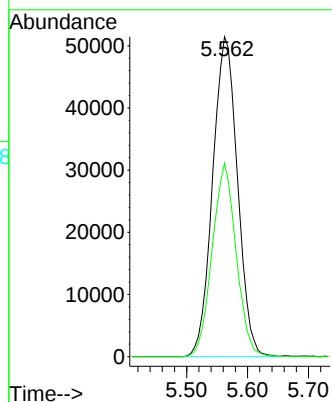
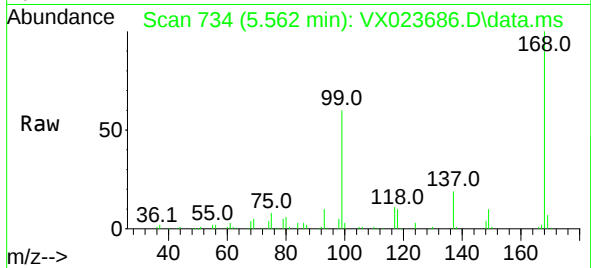




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

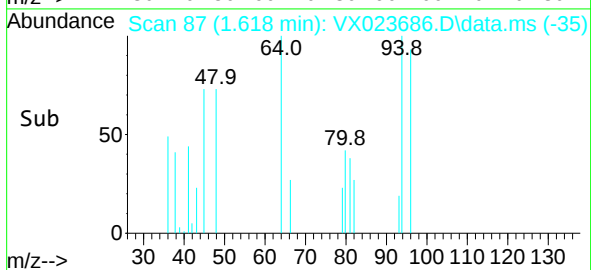
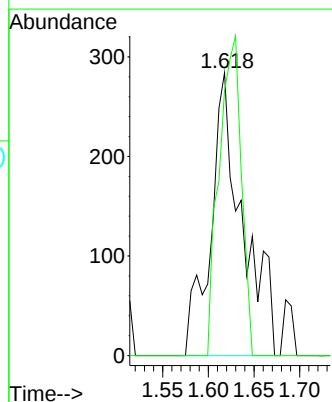
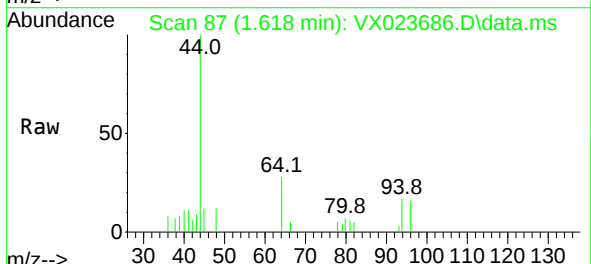
Instrument :
MSVOA_X
ClientSampled :

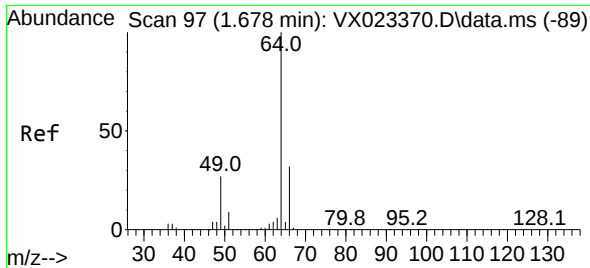
Tgt Ion:168 Resp: 145806
Ion Ratio Lower Upper
168 100
99 60.4 45.8 68.6



#5
Bromomethane
Concen: 0.736 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

Tgt Ion: 94 Resp: 691
Ion Ratio Lower Upper
94 100
96 93.7 76.4 114.6

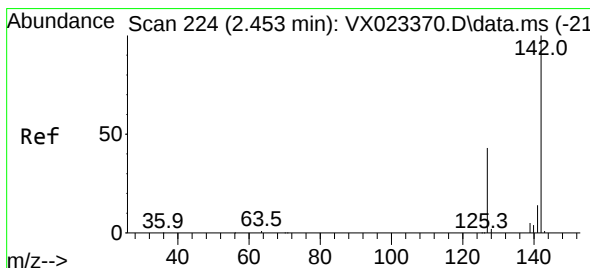
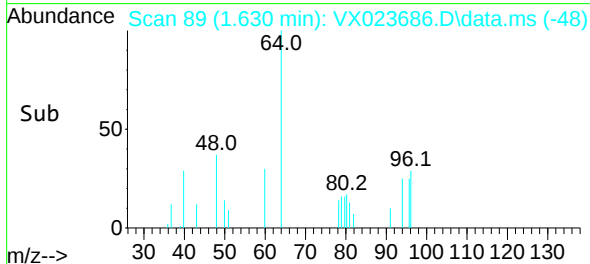
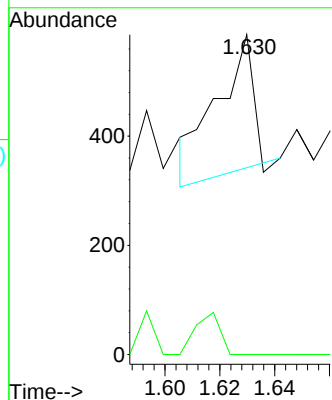
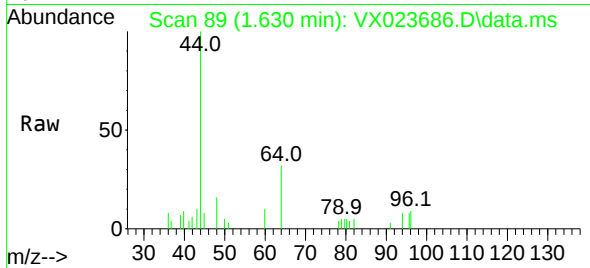




#6
Chloroethane
Concen: 0.237 ug/l
RT: 1.630 min Scan# 89
Delta R.T. -0.048 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

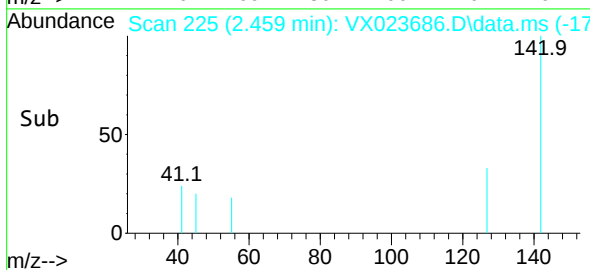
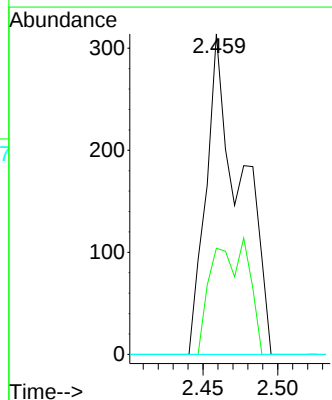
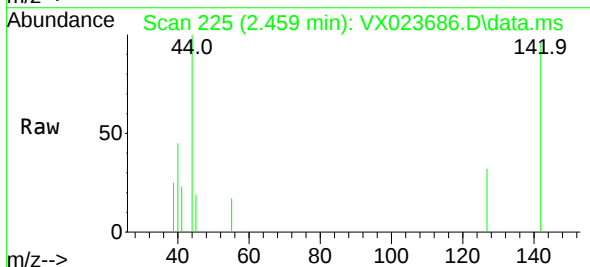
Instrument :
MSVOA_X
ClientSampled :

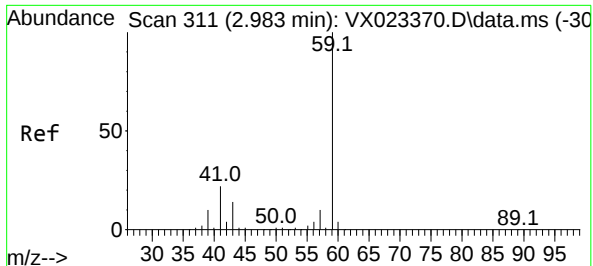
Tgt Ion: 64 Resp: 230
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.280 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

Tgt Ion: 142 Resp: 506
Ion Ratio Lower Upper
142 100
127 38.1 33.3 49.9
141 0.0 11.4 17.0#



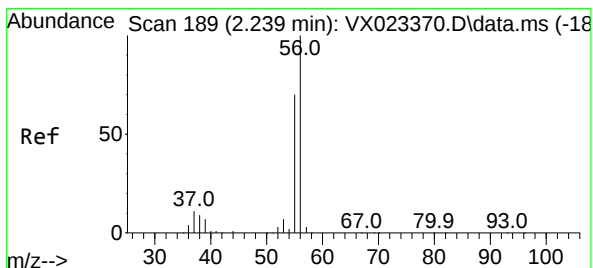
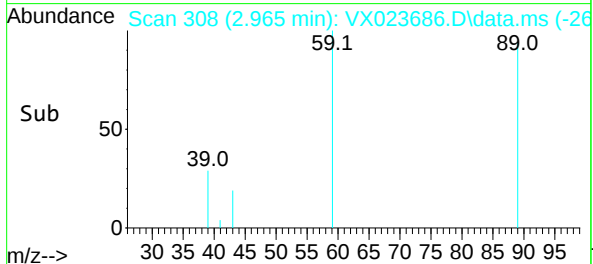
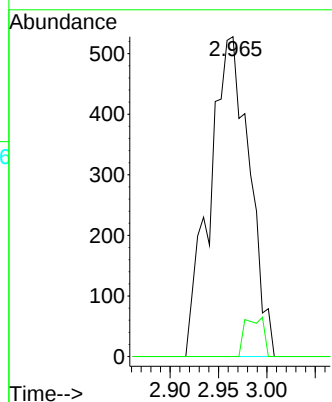
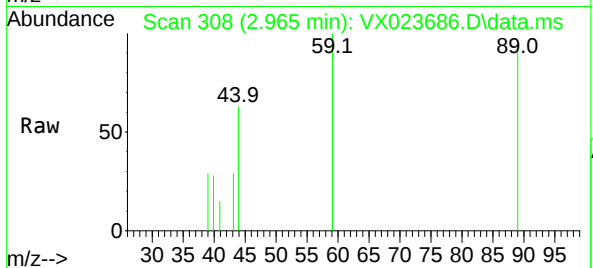


#11

Tert butyl alcohol
Concen: 3.601 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

Instrument :
MSVOA_X
ClientSampled :

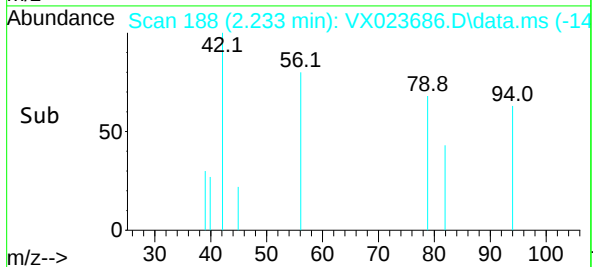
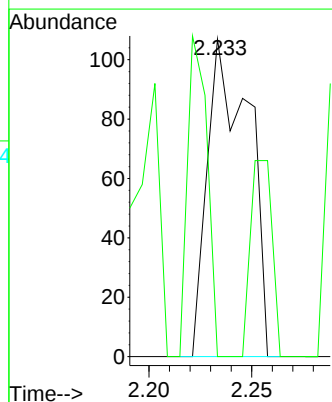
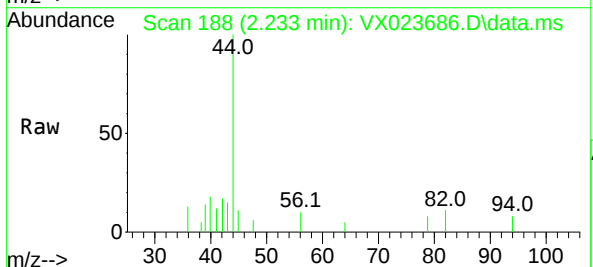
Tgt Ion: 59 Resp: 1496
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

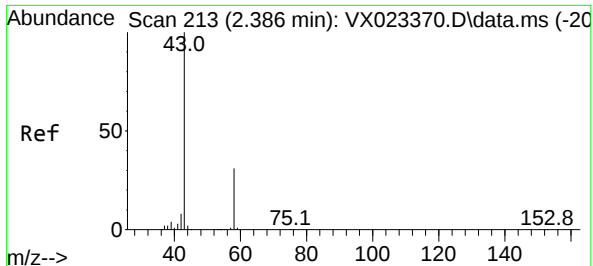


#13

Acrolein
Concen: 2.070 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

Tgt Ion: 56 Resp: 150
Ion Ratio Lower Upper
56 100
55 48.0 56.4 84.6#

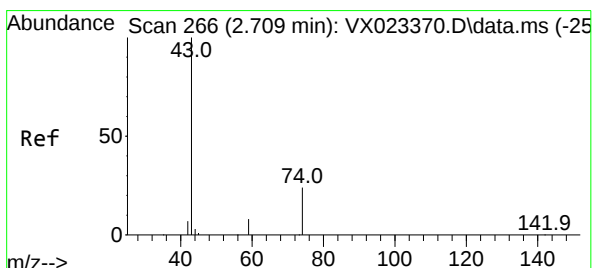
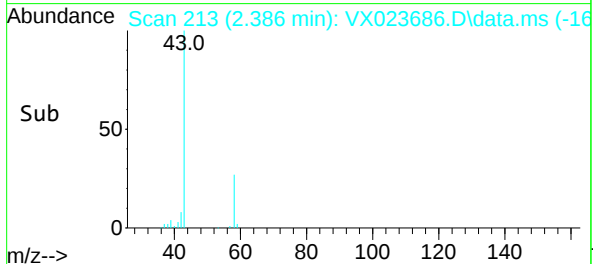
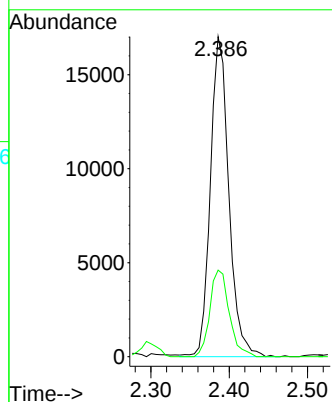
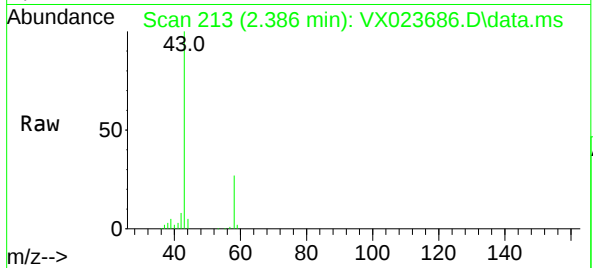




#16
Acetone
Concen: 31.199 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

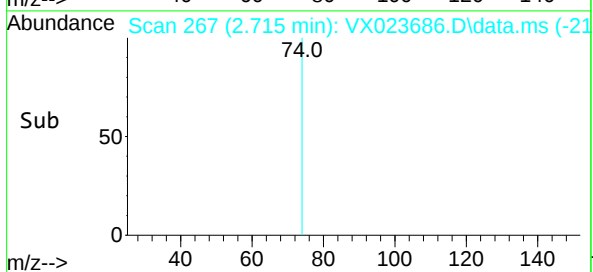
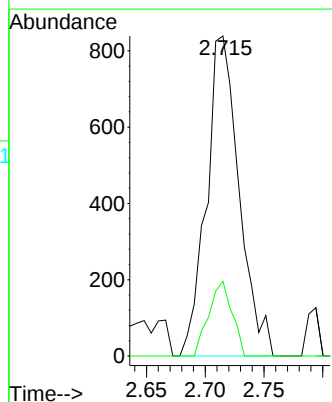
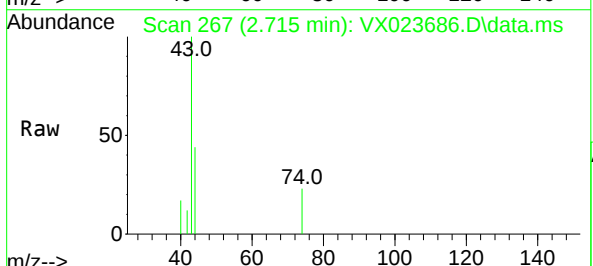
Instrument :
MSVOA_X
ClientSampled :

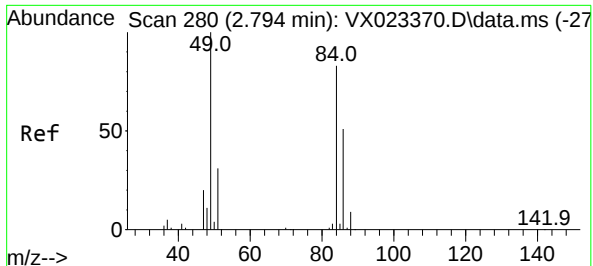
Tgt Ion: 43 Resp: 27836
Ion Ratio Lower Upper
43 100
58 27.1 27.8 41.8#



#18
Methyl Acetate
Concen: 0.765 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

Tgt Ion: 43 Resp: 1623
Ion Ratio Lower Upper
43 100
74 16.7 21.9 32.9#

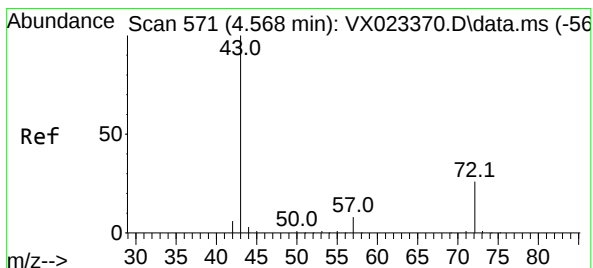
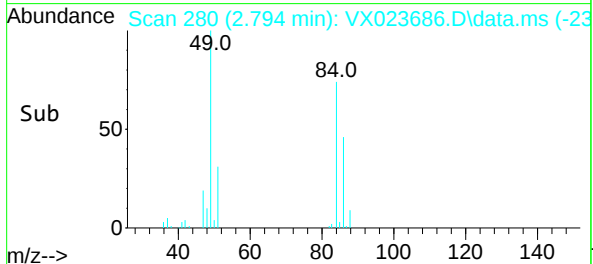
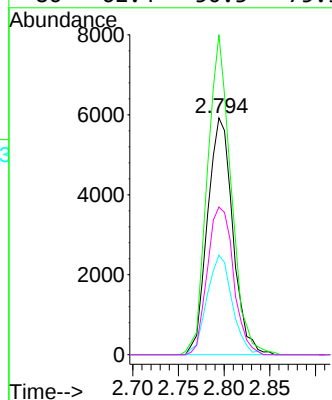
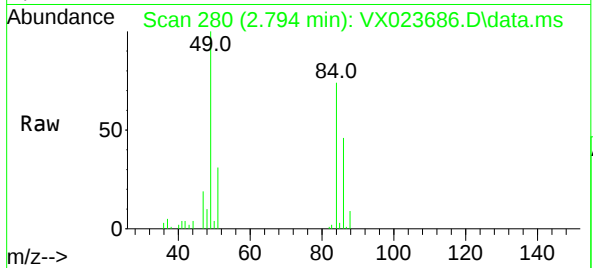




#20
Methylene Chloride
Concen: 6.558 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

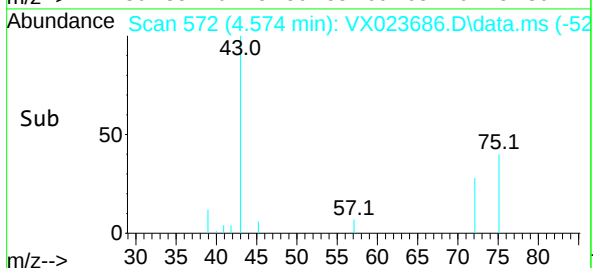
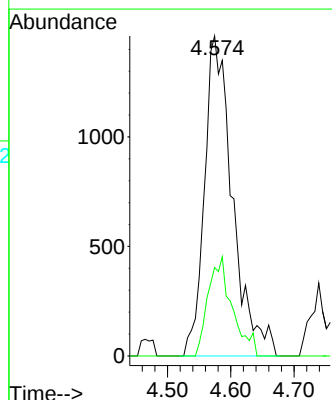
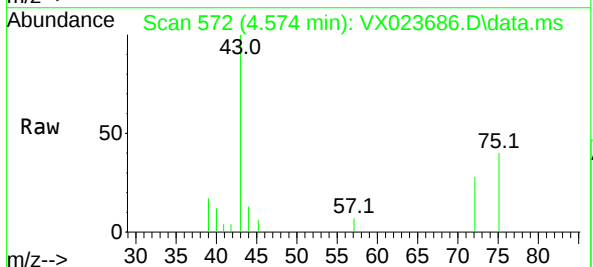
Instrument :
MSVOA_X
ClientSampled :

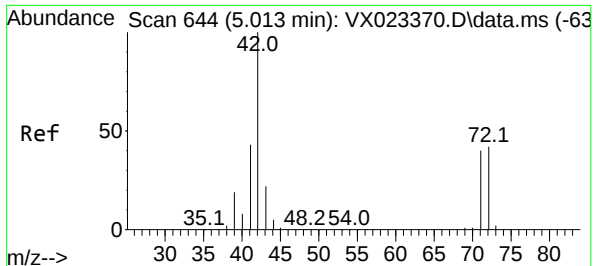
Tgt Ion:	84	Resp:	11382
Ion	Ratio	Lower	Upper
84	100		
49	135.2	88.6	132.8#
51	42.0	27.0	40.6#
86	62.4	50.3	75.5



#25
2-Butanone
Concen: 3.255 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

Tgt Ion:	43	Resp:	4509
Ion	Ratio	Lower	Upper
43	100		
72	27.7	23.7	35.5





#29

Tetrahydrofuran

Concen: 1.681 ug/l

RT: 5.032 min Scan# 647

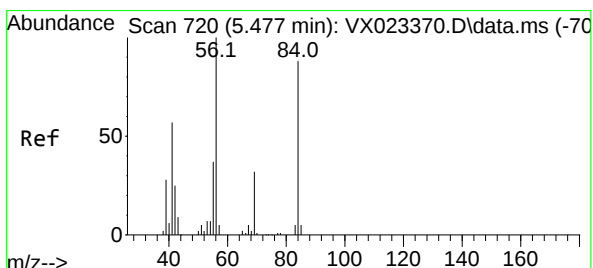
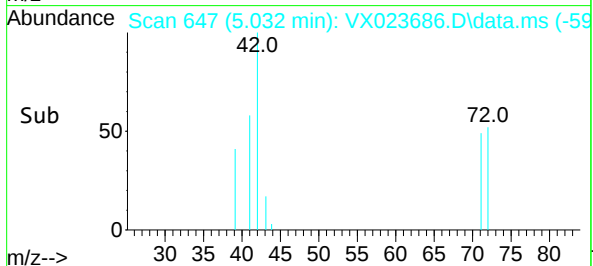
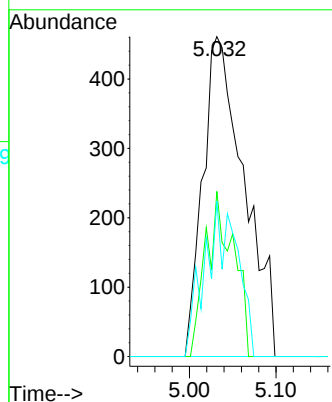
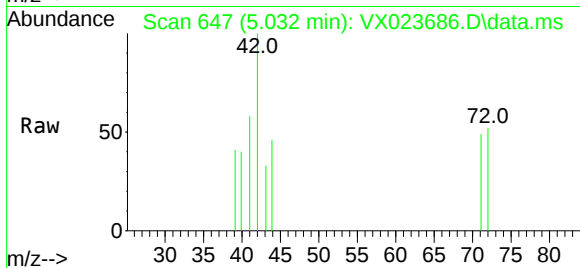
Delta R.T. 0.019 min

Lab File: VX023686.D

Acq: 13 Aug 2021 13:28

Tgt Ion:	42	Resp:	1526
Ion	Ratio	Lower	Upper
42	100		
72	34.8	41.7	62.5#
71	21.2	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.191 ug/l

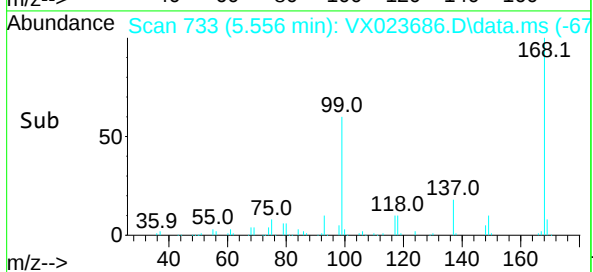
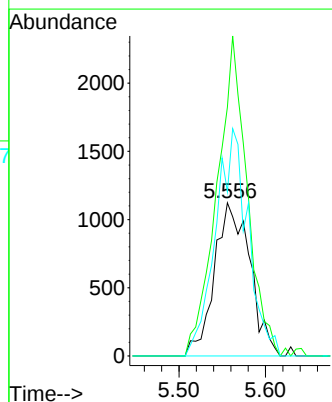
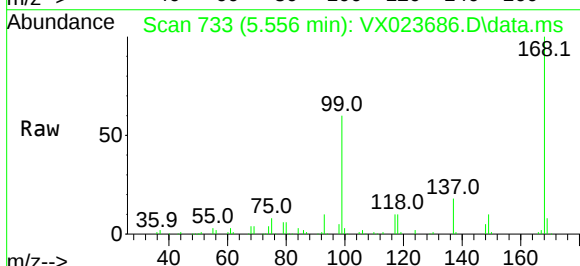
RT: 5.556 min Scan# 733

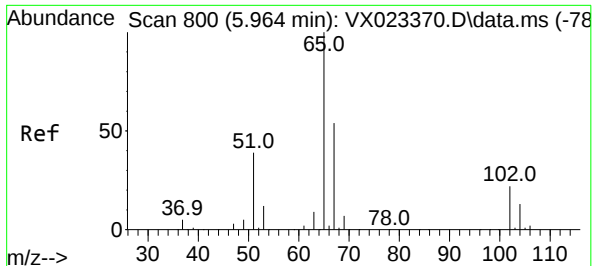
Delta R.T. 0.079 min

Lab File: VX023686.D

Acq: 13 Aug 2021 13:28

Tgt Ion:	56	Resp:	3210
Ion	Ratio	Lower	Upper
56	100		
69	162.4	25.3	37.9#
84	107.1	71.4	107.0#

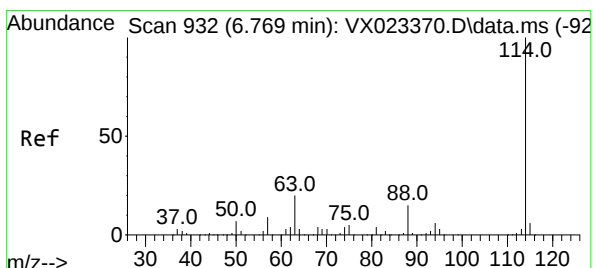
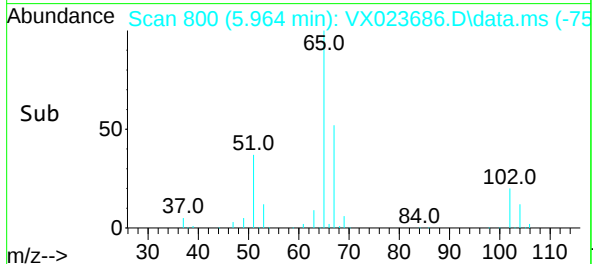
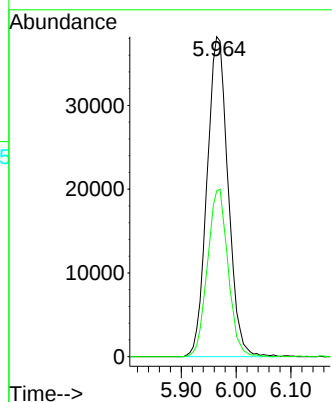
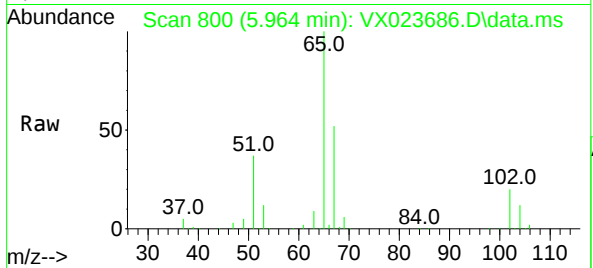




#33
 1,2-Dichloroethane-d4
 Concen: 55.991 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023686.D
 Acq: 13 Aug 2021 13:28

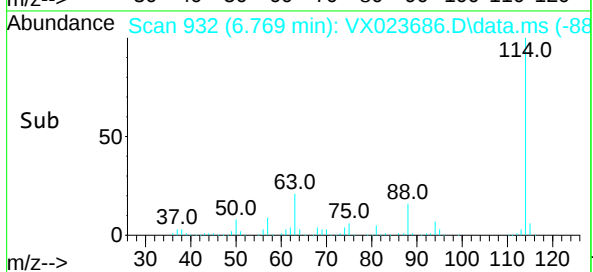
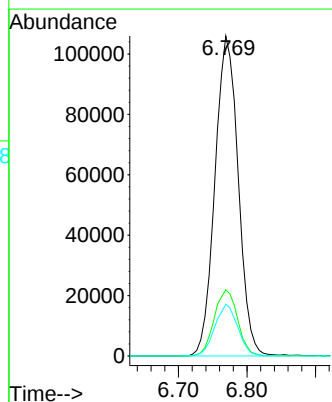
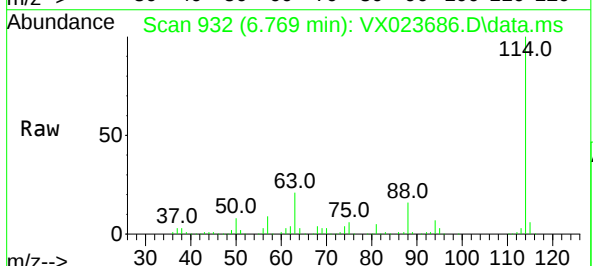
Instrument :
 MSVOA_X
 ClientSampled :

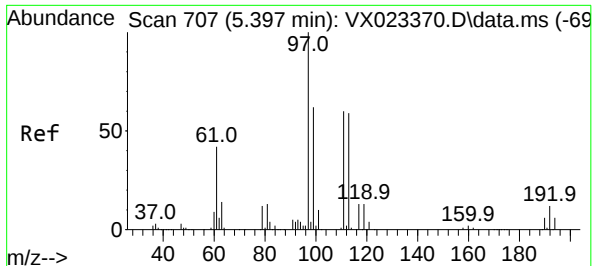
Tgt Ion: 65 Resp: 101837
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023686.D
 Acq: 13 Aug 2021 13:28

Tgt Ion: 114 Resp: 249571
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.8
 88 16.2 0.0 32.8

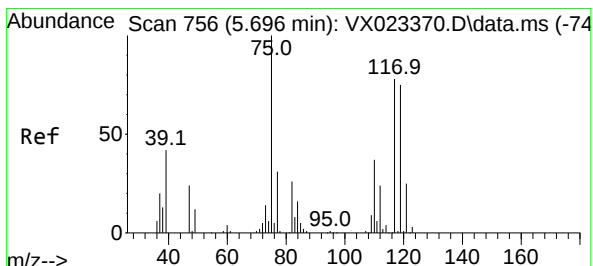
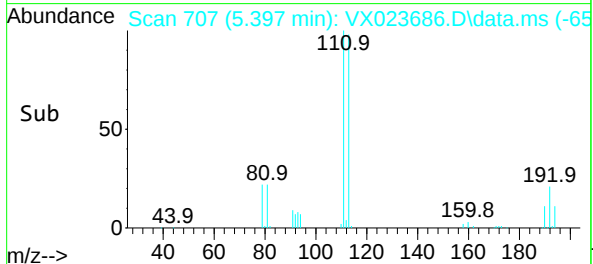
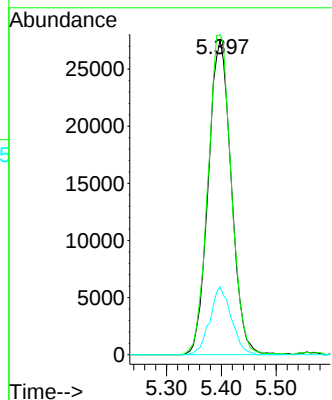
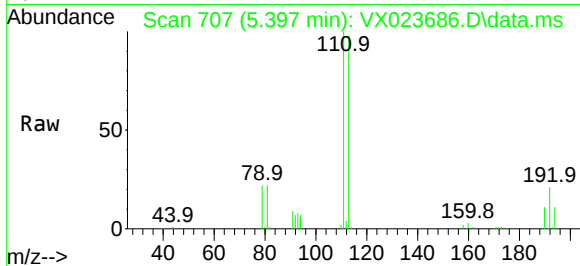




#35
Dibromofluoromethane
Concen: 51.318 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

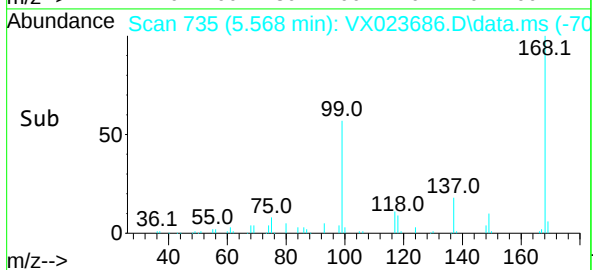
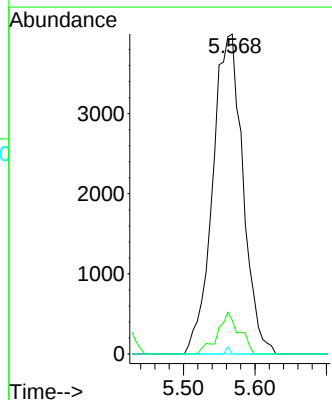
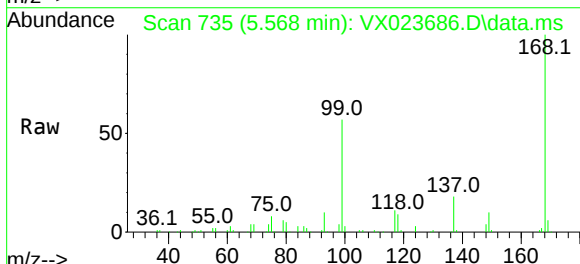
Instrument :
MSVOA_X
ClientSampled :

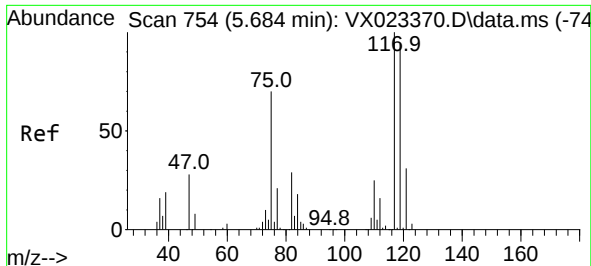
Tgt Ion:113 Resp: 80078
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 20.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.183 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.128 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

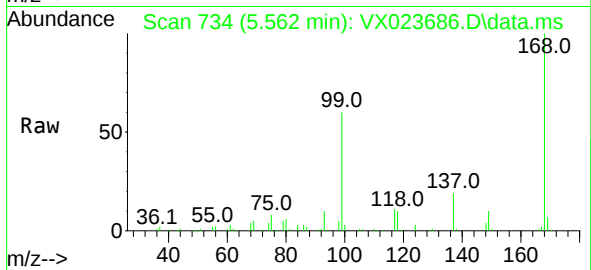
Tgt Ion: 75 Resp: 11702
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.4#
77 0.3 25.3 37.9#



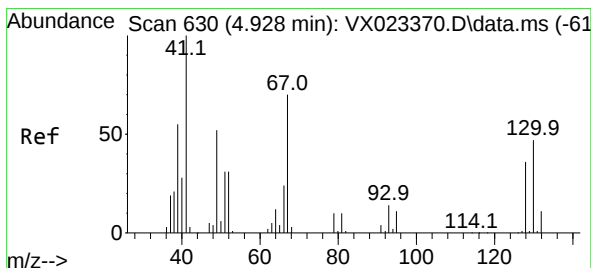
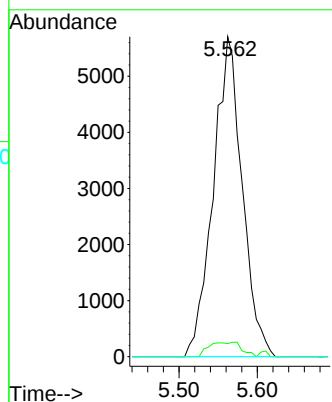
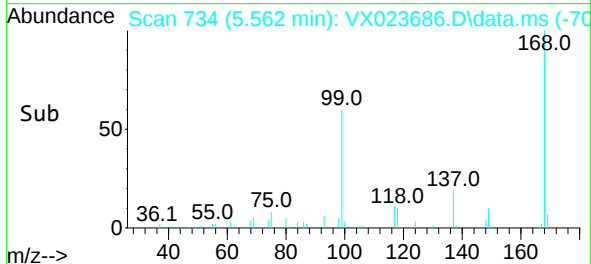


#38
Carbon Tetrachloride
Concen: 6.378 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

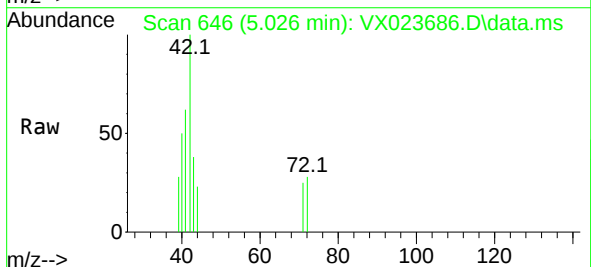
Instrument :
MSVOA_X
ClientSampled :



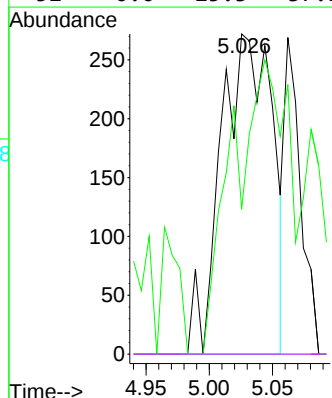
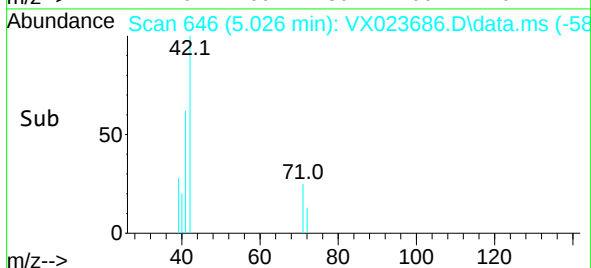
Tgt Ion:117 Resp: 14643
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.2#
121 0.0 24.8 37.2#

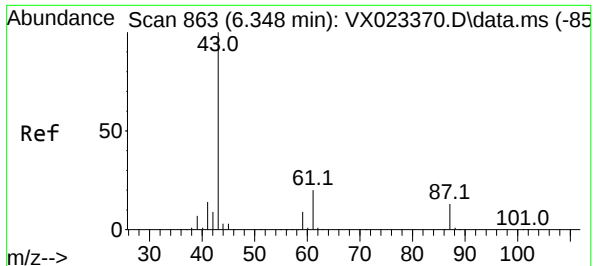


#41
Methacrylonitrile
Concen: 0.512 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.098 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28



Tgt Ion: 41 Resp: 769
Ion Ratio Lower Upper
41 100
39 31.7 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

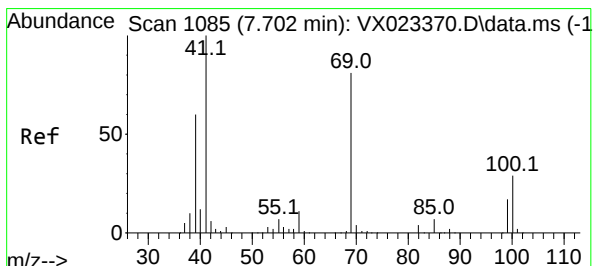
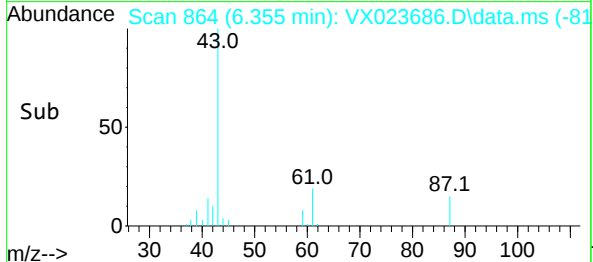
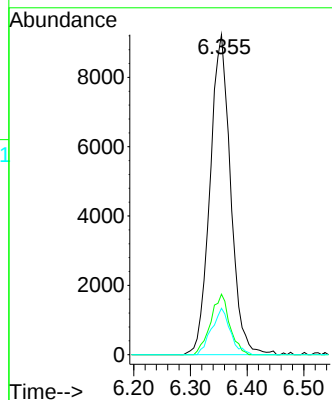
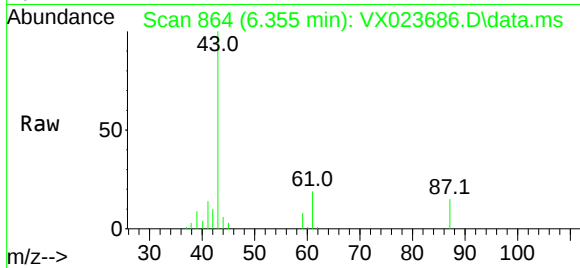




#43
Isopropyl Acetate
Concen: 5.266 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

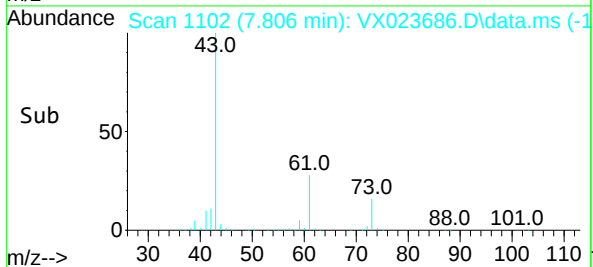
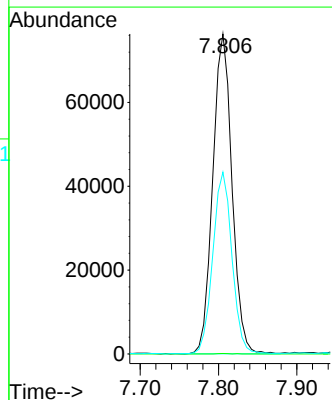
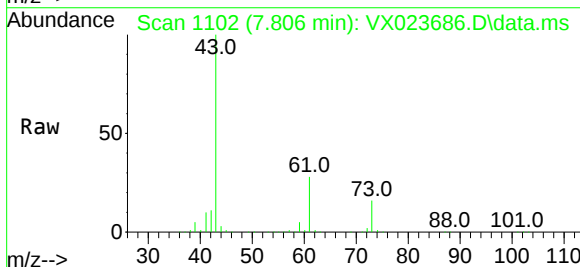
Instrument :
MSVOA_X
ClientSampled :

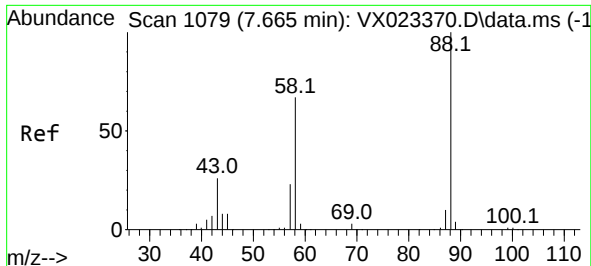
Tgt Ion: 43 Resp: 23226
Ion Ratio Lower Upper
43 100
61 17.5 18.2 27.4#
87 13.2 12.5 18.7



#48
Methyl methacrylate
Concen: 63.579 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.104 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

Tgt Ion: 41 Resp: 129881
Ion Ratio Lower Upper
41 100
69 0.1 76.0 114.0#
39 56.7 44.6 67.0





#49

1,4-Dioxane

Concen: 4.598 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.141 min

Lab File: VX023686.D

Acq: 13 Aug 2021 13:28

Tgt Ion: 88 Resp: 200

Ion Ratio Lower Upper

88 100

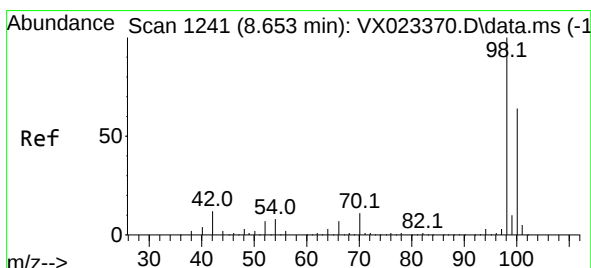
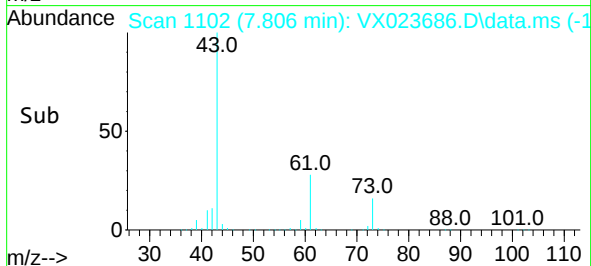
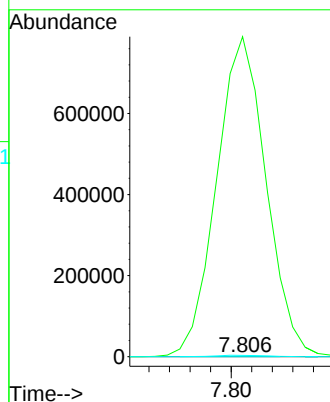
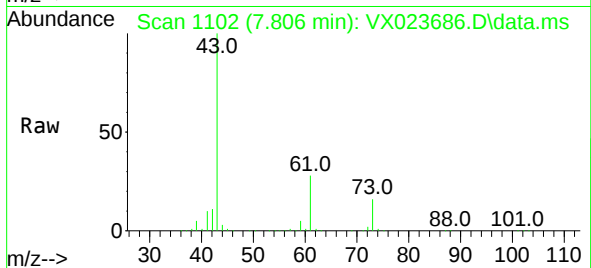
43 664959.0 23.2 34.8#

58 3041.0 55.0 82.4#

Instrument :

MSVOA_X

ClientSampled :



#50

Toluene-d8

Concen: 54.281 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023686.D

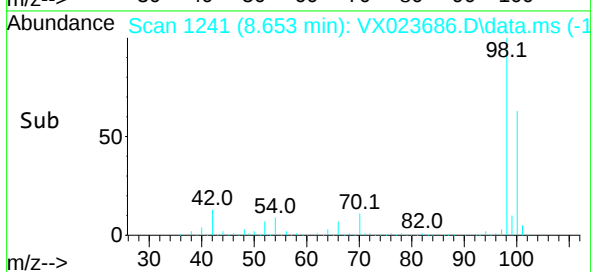
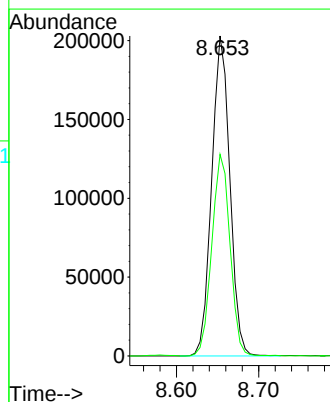
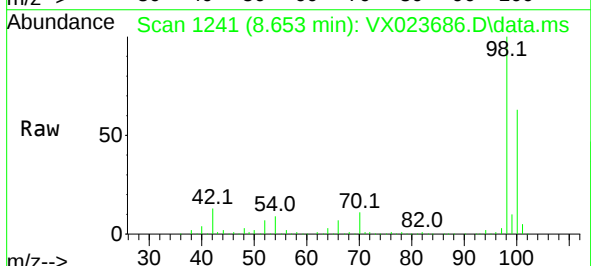
Acq: 13 Aug 2021 13:28

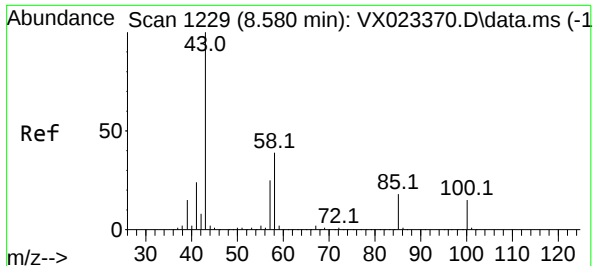
Tgt Ion: 98 Resp: 311194

Ion Ratio Lower Upper

98 100

100 63.3 51.9 77.9

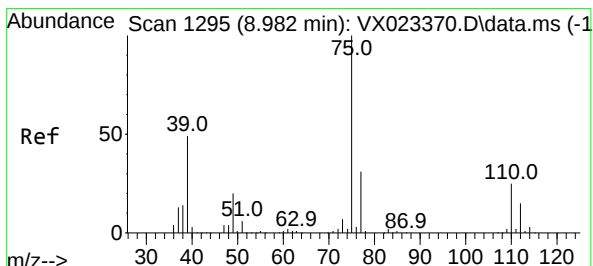
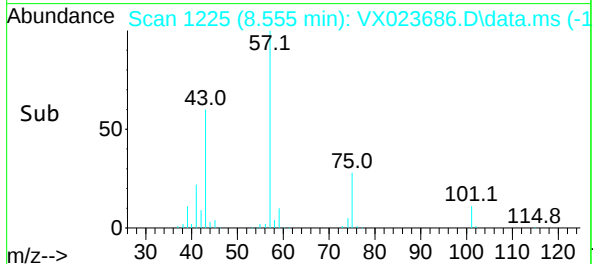
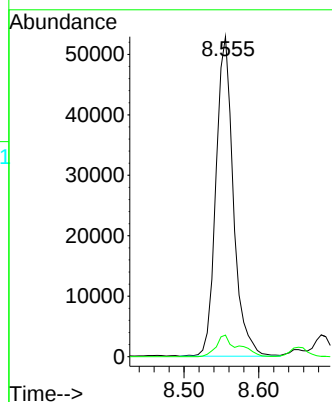
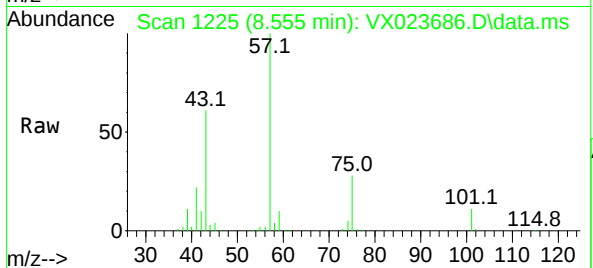




#51
4-Methyl-2-Pentanone
Concen: 31.768 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

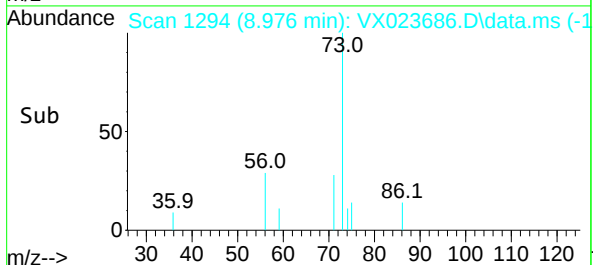
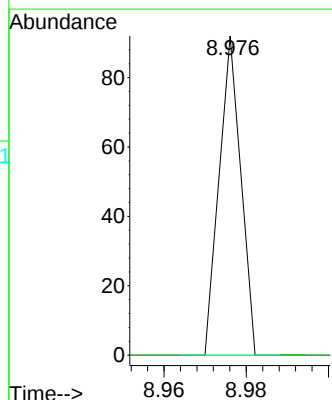
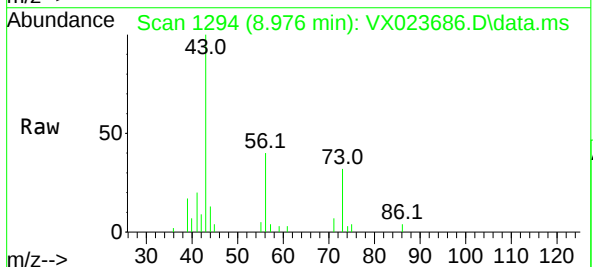
Instrument :
MSVOA_X
ClientSampled :

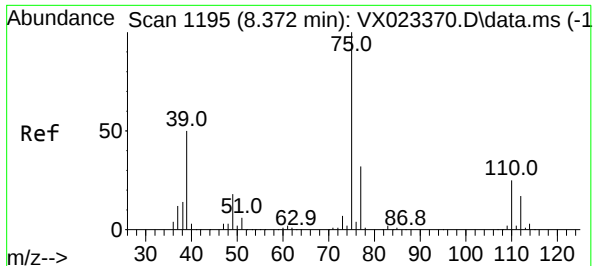
Tgt Ion: 43 Resp: 85706
Ion Ratio Lower Upper
43 100
58 8.5 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 1.829 ug/l
RT: 8.976 min Scan# 1294
Delta R.T. -0.006 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

Tgt Ion: 75 Resp: 34
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

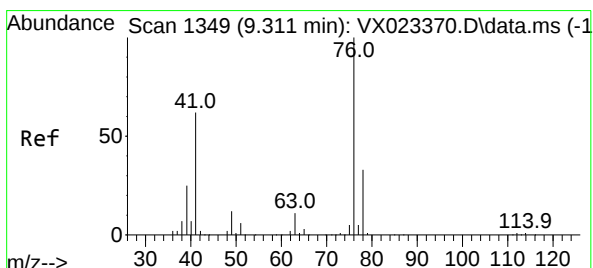
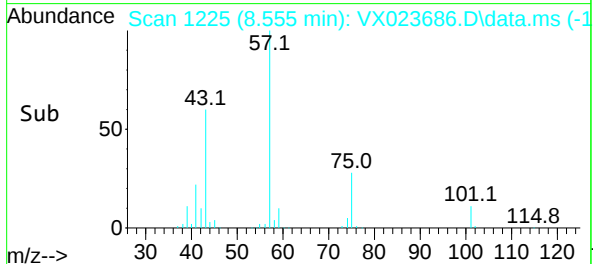
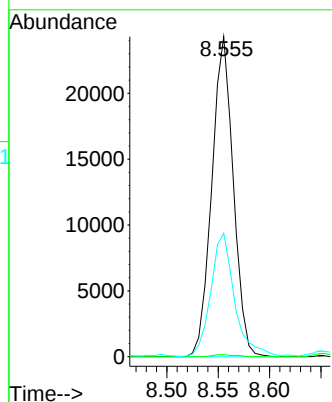
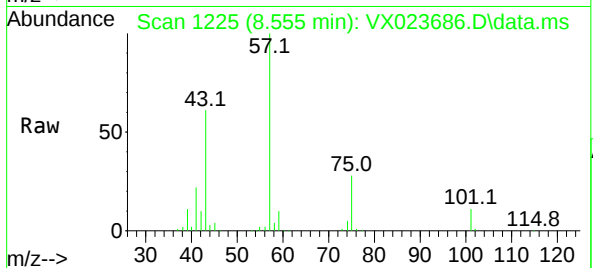




#54
 cis-1,3-Dichloropropene
 Concen: 13.093 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023686.D
 Acq: 13 Aug 2021 13:28

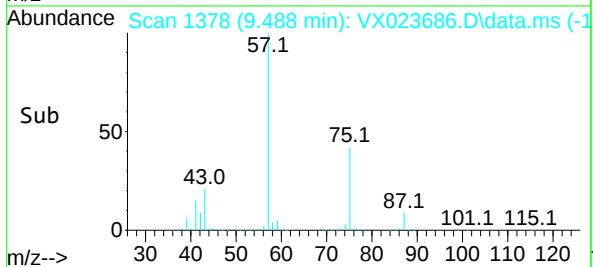
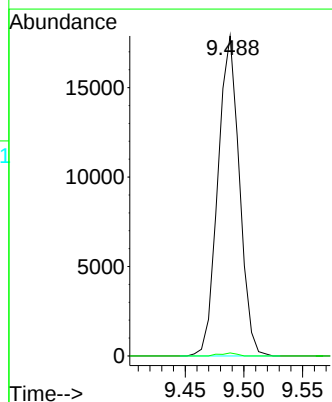
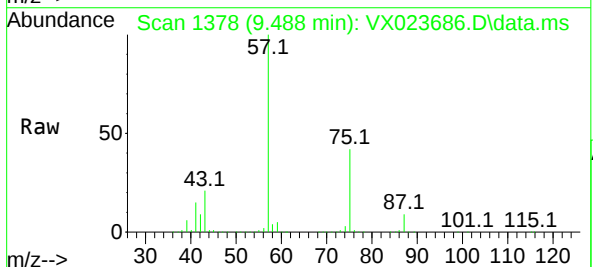
Instrument :
 MSVOA_X
 ClientSampled :

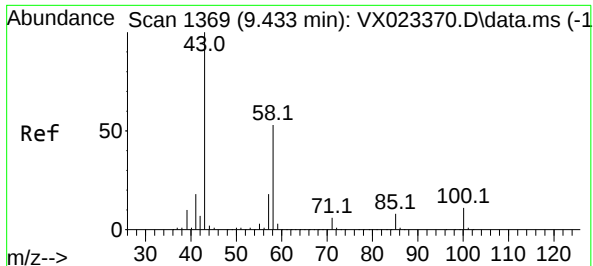
Tgt Ion: 75 Resp: 35330
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.7 38.5#
 39 38.6 35.1 52.7



#57
 1,3-Dichloropropane
 Concen: 7.989 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023686.D
 Acq: 13 Aug 2021 13:28

Tgt Ion: 76 Resp: 22797
 Ion Ratio Lower Upper
 76 100
 78 0.7 26.2 39.2#

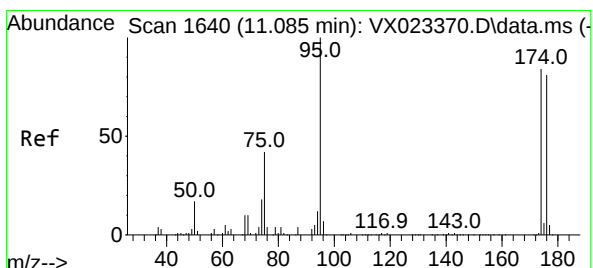
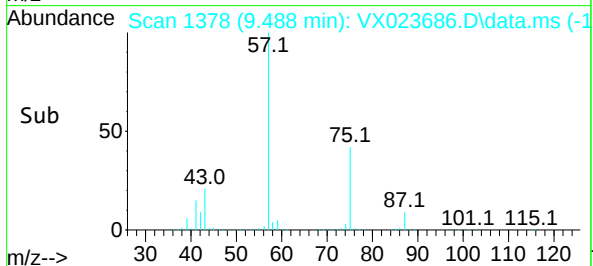
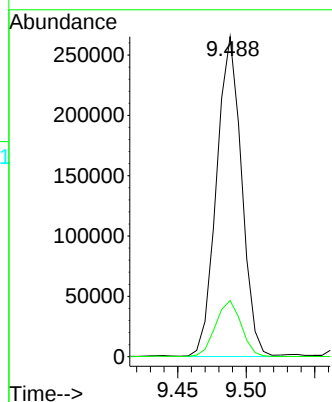
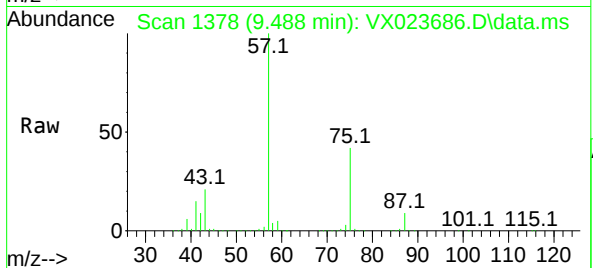




#59
2-Hexanone
Concen: 164.440 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

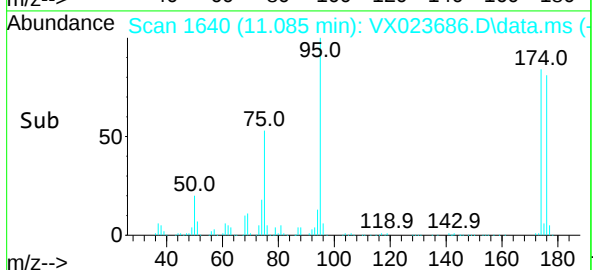
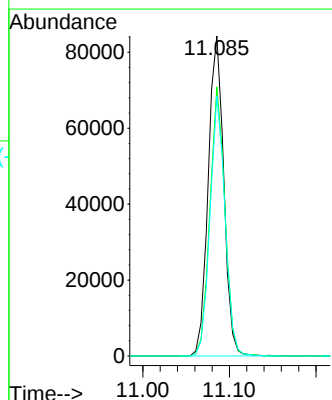
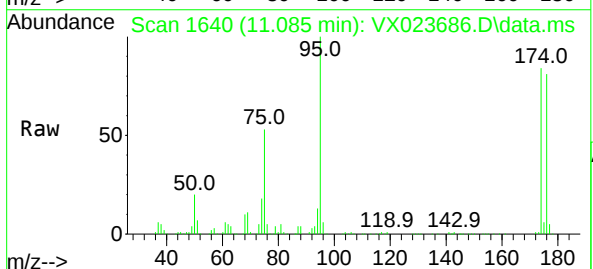
Instrument :
MSVOA_X
ClientSampled :

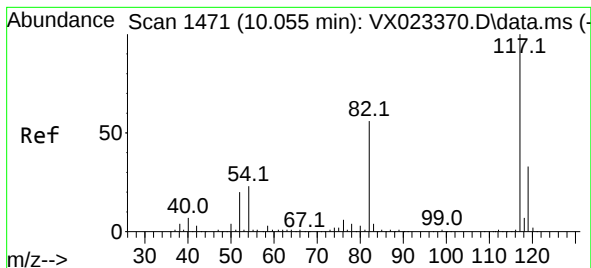
Tgt Ion: 43 Resp: 336890
Ion Ratio Lower Upper
43 100
58 18.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 53.845 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

Tgt Ion: 95 Resp: 104969
Ion Ratio Lower Upper
95 100
174 81.6 0.0 154.6
176 78.3 0.0 155.8

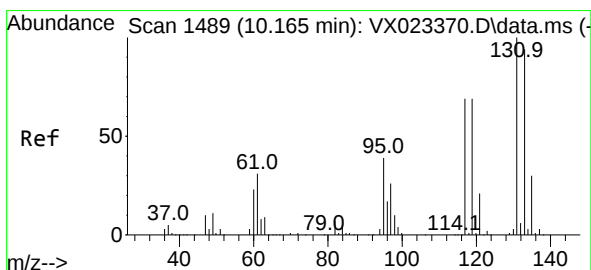
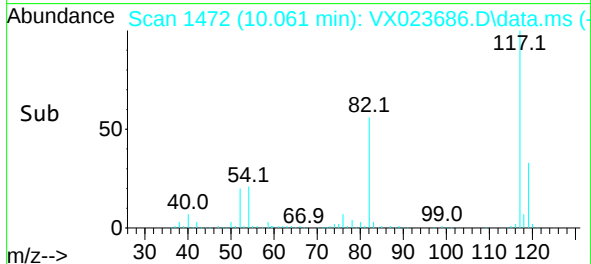
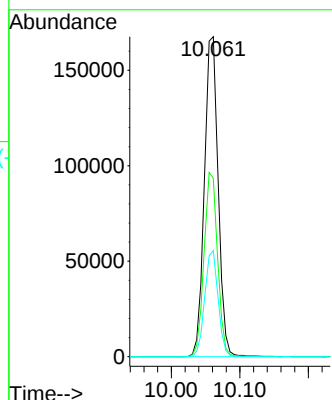
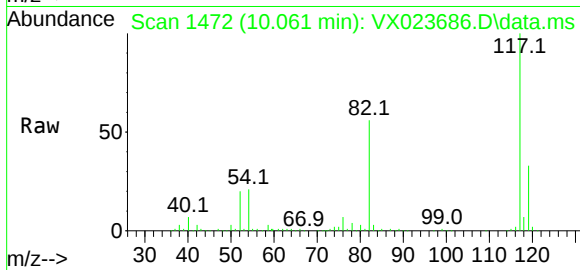




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

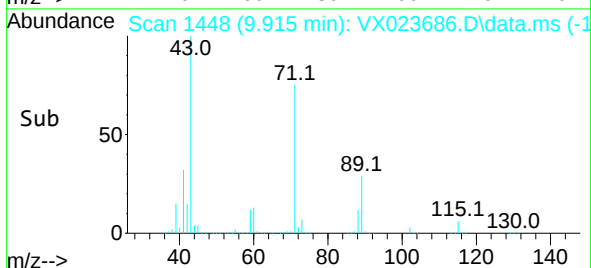
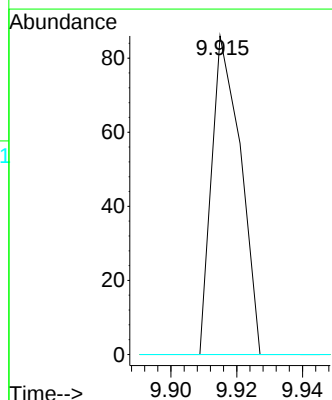
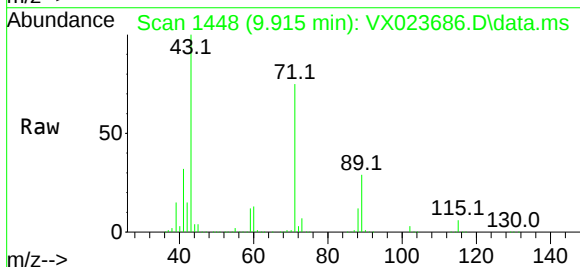
Instrument :
MSVOA_X
ClientSampled :

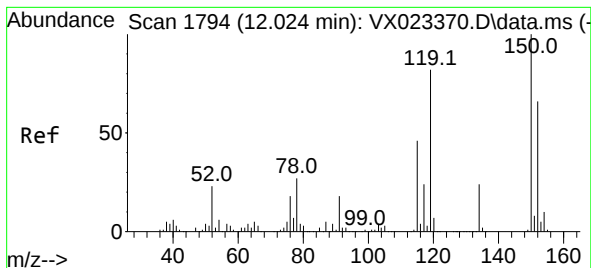
Tgt Ion:117 Resp: 235308
Ion Ratio Lower Upper
117 100
82 55.8 47.4 71.2
119 33.1 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 1.002 ug/l
RT: 9.915 min Scan# 1448
Delta R.T. -0.250 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

Tgt Ion:131 Resp: 52
Ion Ratio Lower Upper
131 100
133 0.0 47.7 143.1#
119 0.0 32.1 96.5#

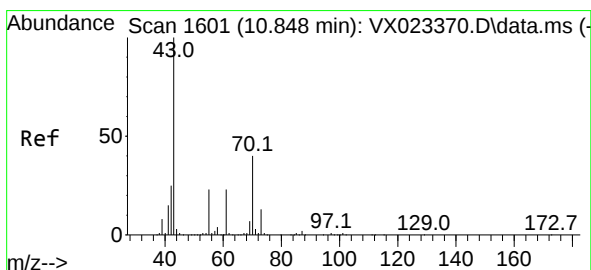
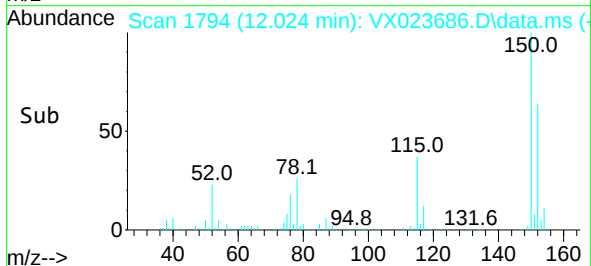
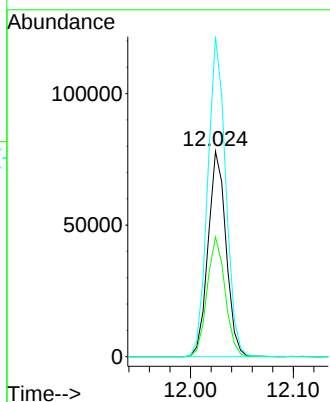
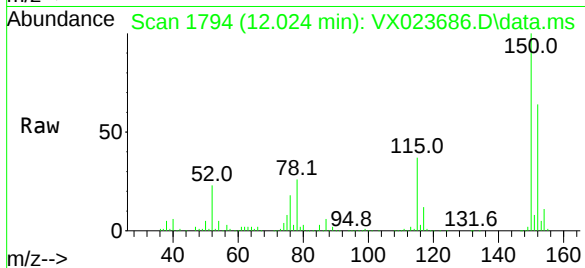




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

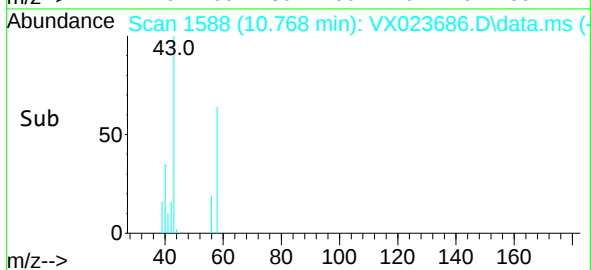
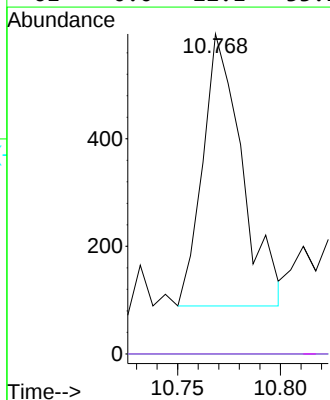
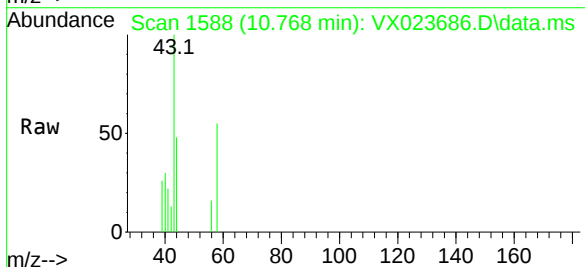
Instrument :
MSVOA_X
ClientSampled :

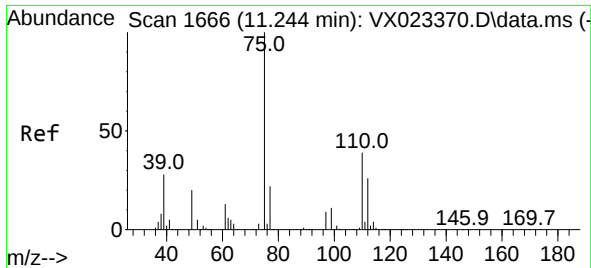
Tgt Ion:152 Resp: 94942
Ion Ratio Lower Upper
152 100
115 58.4 41.1 123.3
150 155.8 0.0 349.0



#74
N-ethyl acetate
Concen: 0.206 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

Tgt Ion: 43 Resp: 672
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

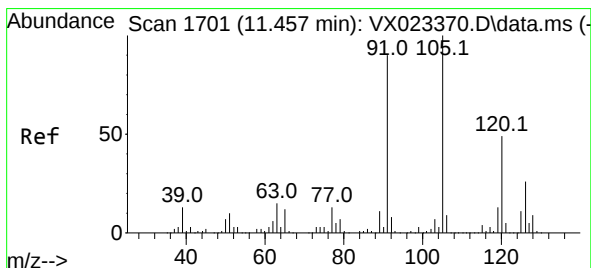
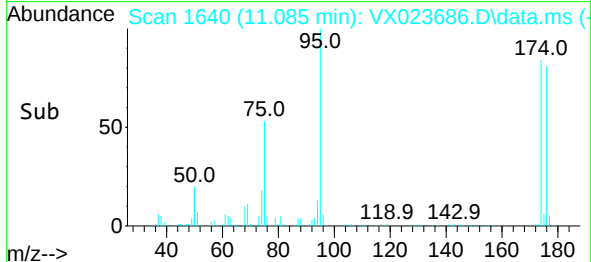
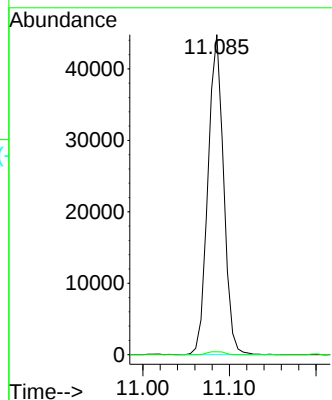
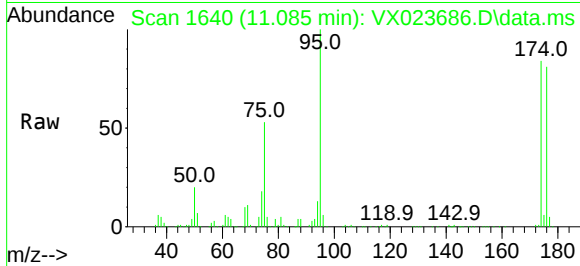




#76
1,2,3-Trichloropropane
Concen: 26.858 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

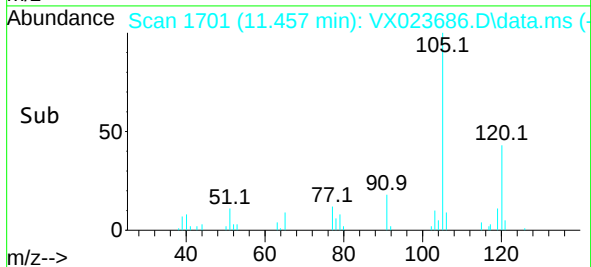
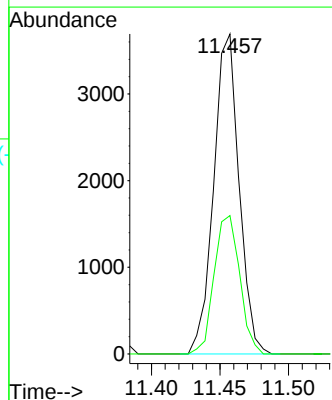
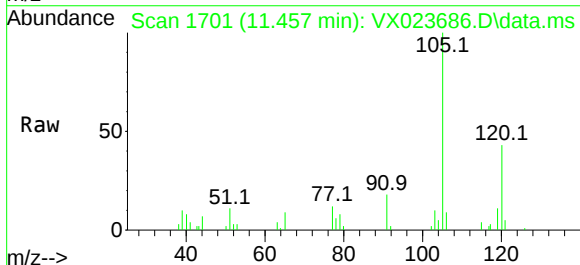
Instrument :
MSVOA_X
ClientSampled :

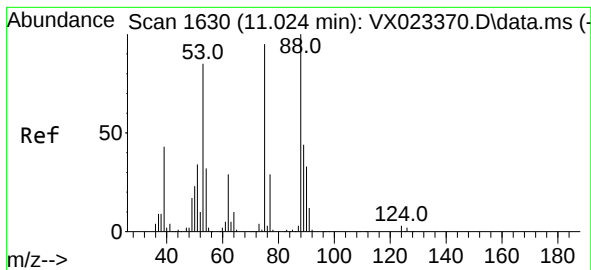
Tgt Ion: 75 Resp: 56114
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.815 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023686.D
Acq: 13 Aug 2021 13:28

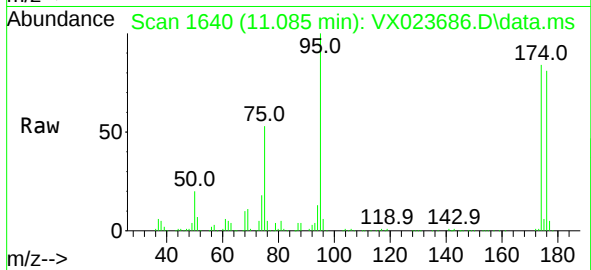
Tgt Ion:105 Resp: 4755
Ion Ratio Lower Upper
105 100
120 43.5 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.219 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023686.D
 Acq: 13 Aug 2021 13:28

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	75	Resp:	56114
Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.5	111.7#
89	0.0	37.9	56.9#

