

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
 Data File : VX024746.D
 Acq On : 12 Oct 2021 06:07
 Operator : JC/MD
 Sample : M4158-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 08:11:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

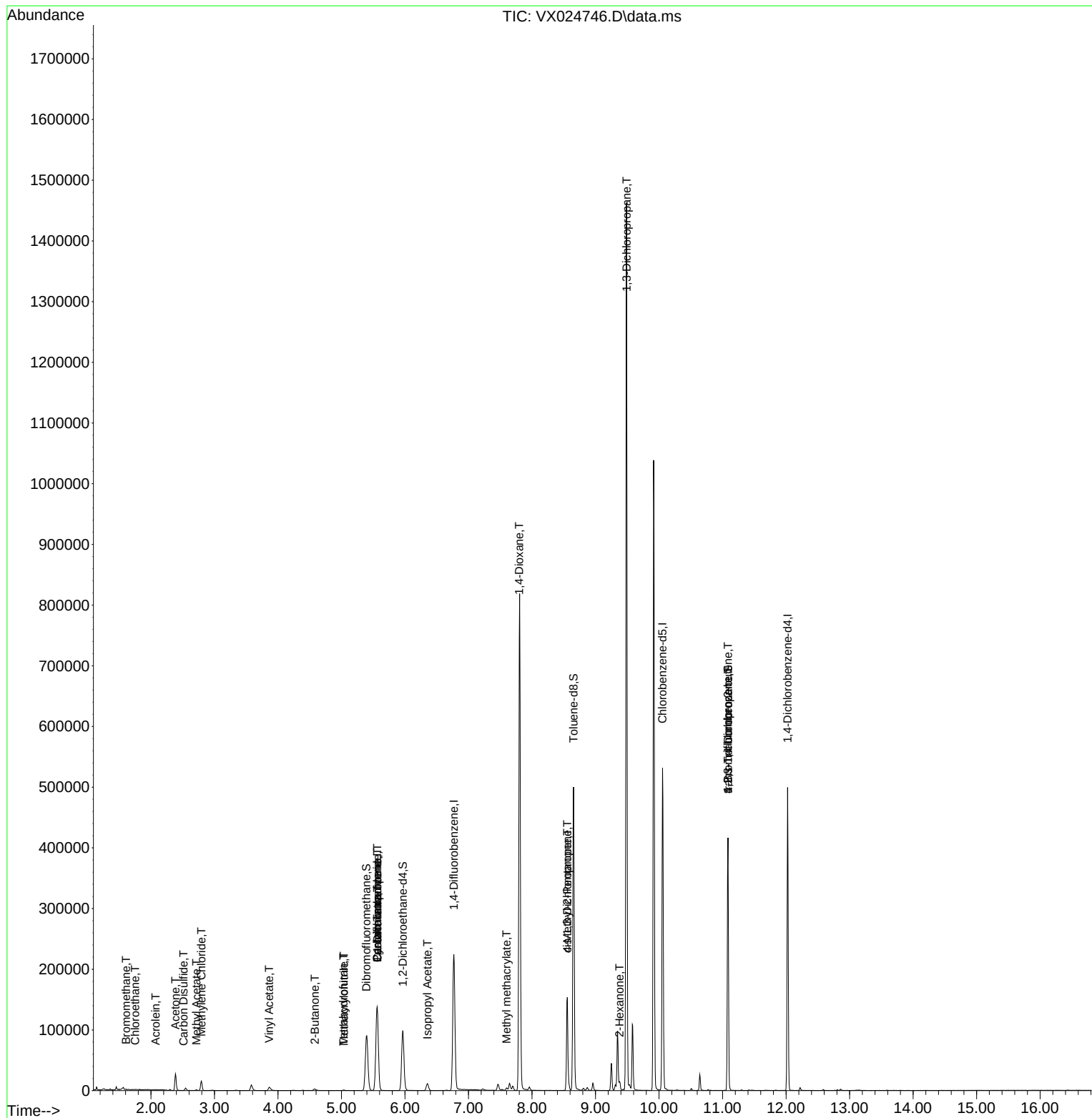
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

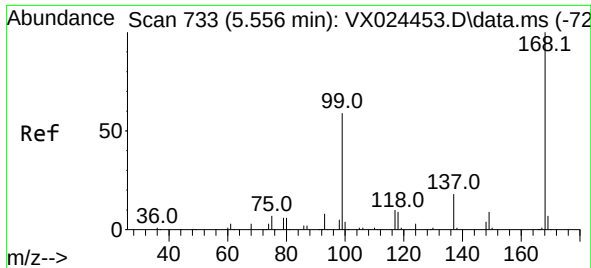
Internal Standards						
1) Pentafluorobenzene	5.562	168	129161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	223901	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99043	54.408	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.820%	
35) Dibromofluoromethane	5.391	113	77254	51.938	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.880%	
50) Toluene-d8	8.653	98	285775	52.201	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.400%	
62) 4-Bromofluorobenzene	11.085	95	105822	49.163	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.320%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	179	0.208	ug/l #	67
6) Chloroethane	1.752	64	267	0.570	ug/l	100
11) Tert butyl alcohol	2.971	59	641	Below Cal	#	73
13) Acrolein	2.075	56	19	10.243	ug/l #	39
16) Acetone	2.386	43	28320	27.861	ug/l #	86
17) Carbon Disulfide	2.514	76	184	0.288	ug/l #	75
18) Methyl Acetate	2.715	43	1725	0.633	ug/l #	86
20) Methylene Chloride	2.794	84	6557	3.756	ug/l	94
23) Vinyl Acetate	3.861	43	956	0.267	ug/l #	68
25) 2-Butanone	4.580	43	5074	4.047	ug/l	90
29) Tetrahydrofuran	5.031	42	709	0.888	ug/l #	64
31) Cyclohexane	5.562	56	2883	1.323	ug/l #	24
36) 1,1-Dichloropropene	5.562	75	10181	4.743	ug/l #	49
38) Carbon Tetrachloride	5.562	117	13027	5.575	ug/l #	18
41) Methacrylonitrile	5.038	41	371	0.268	ug/l #	37
43) Isopropyl Acetate	6.354	43	15392	3.778	ug/l #	90
48) Methyl methacrylate	7.598	41	5936	2.942	ug/l #	10
49) 1,4-Dioxane	7.799	88	26	0.563	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	55971	20.810	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	22644	9.029	ug/l #	68
57) 1,3-Dichloropropane	9.488	76	11305	4.087	ug/l #	42
59) 2-Hexanone	9.378	43	8236	3.888	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	57445	26.138	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	57445	71.190	ug/l #	12

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

Instrument :
MSVOA_X
ClientSampleId :

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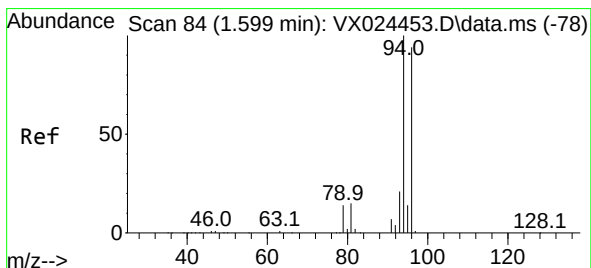
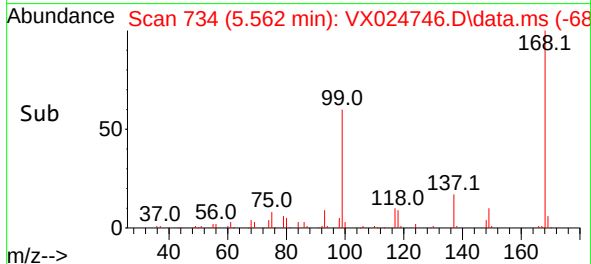
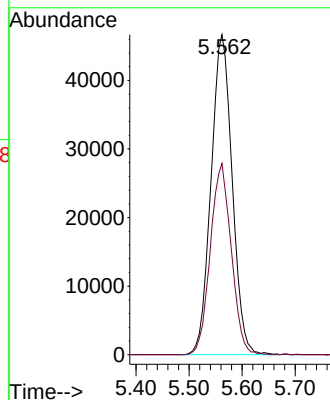
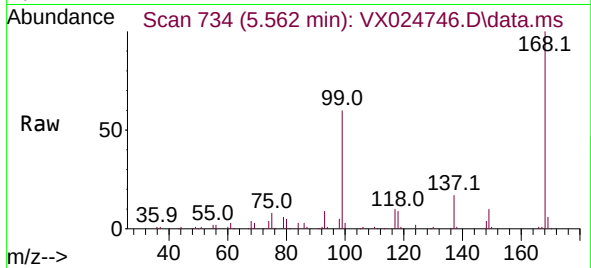




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

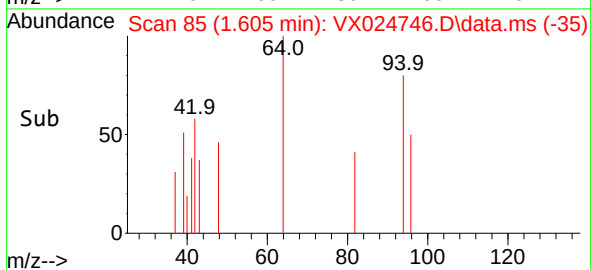
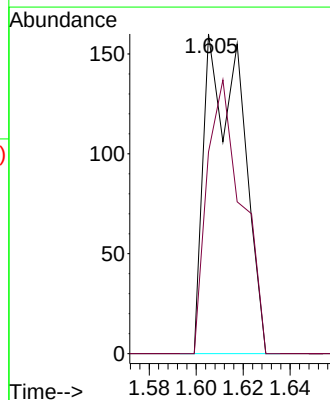
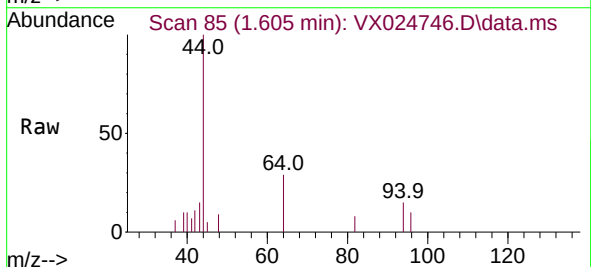
Instrument :
MSVOA_X
ClientSampled :

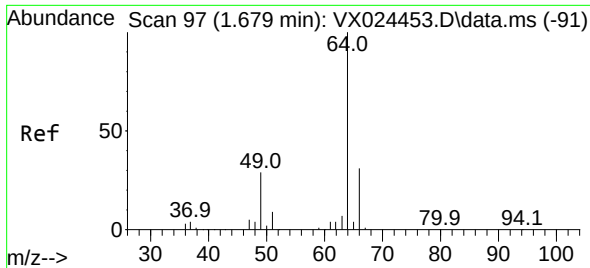
Tgt Ion:168 Resp: 129161
Ion Ratio Lower Upper
168 100
99 59.8 45.8 68.6



#5
Bromomethane
Concen: 0.208 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

Tgt Ion: 94 Resp: 179
Ion Ratio Lower Upper
94 100
96 63.1 76.4 114.6#

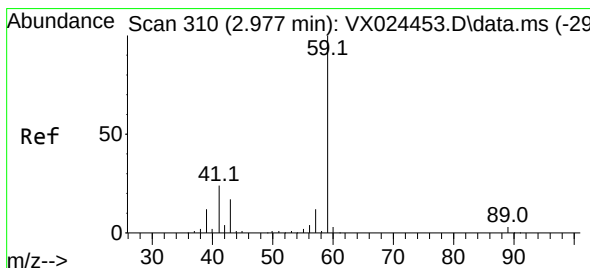
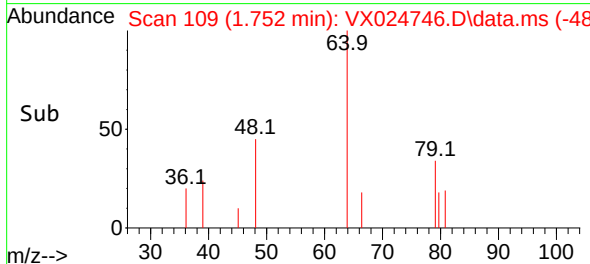
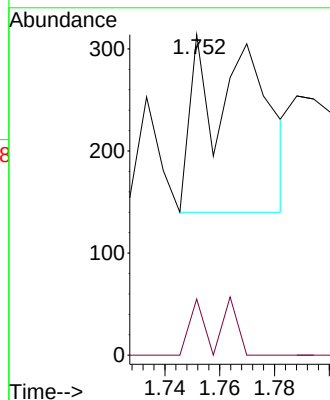
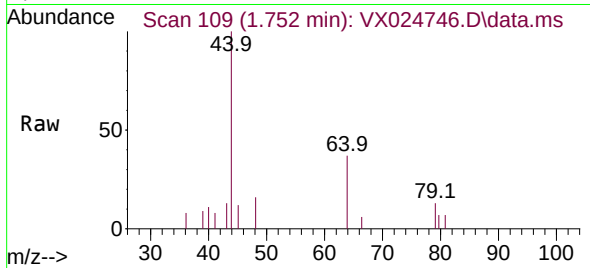




#6
Chloroethane
Concen: 0.570 ug/l
RT: 1.752 min Scan# 109
Delta R.T. 0.073 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

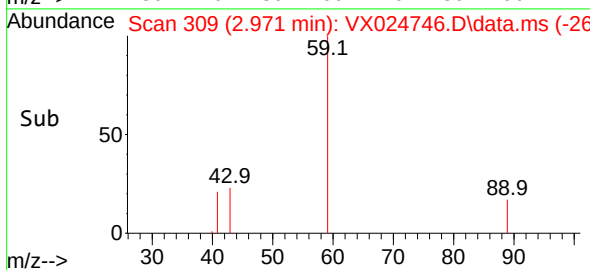
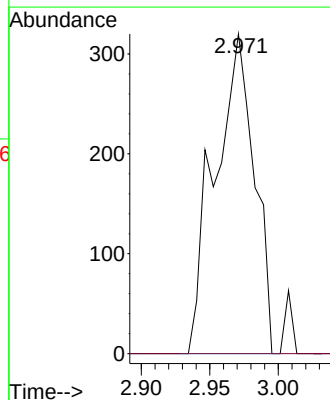
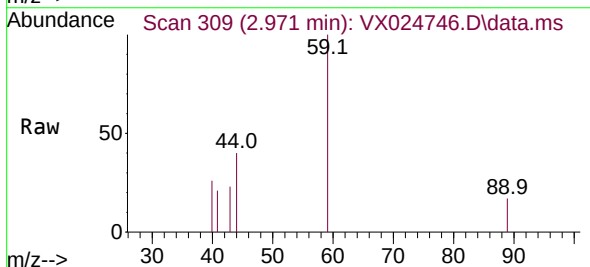
Instrument :
MSVOA_X
ClientSampled :

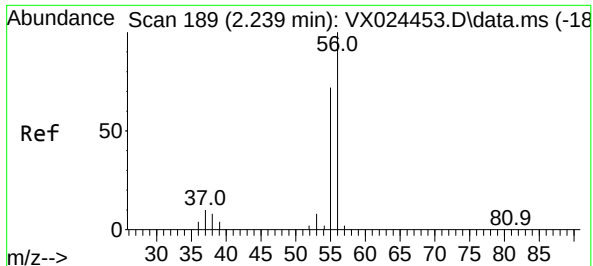
Tgt Ion: 64 Resp: 267
Ion Ratio Lower Upper
64 100
66 31.6 25.4 38.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

Tgt Ion: 59 Resp: 641
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

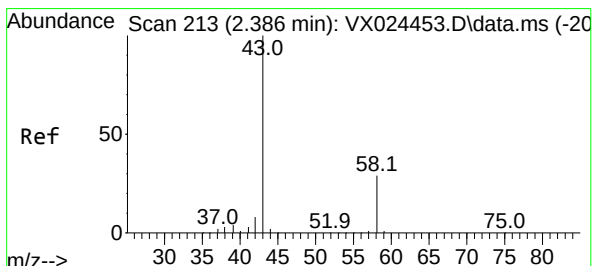
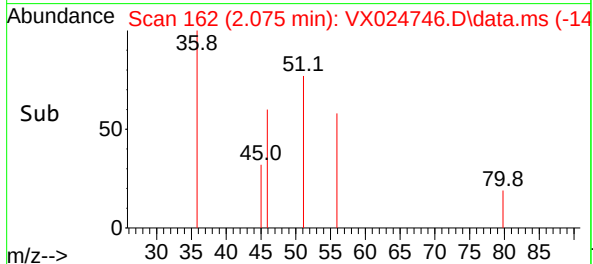
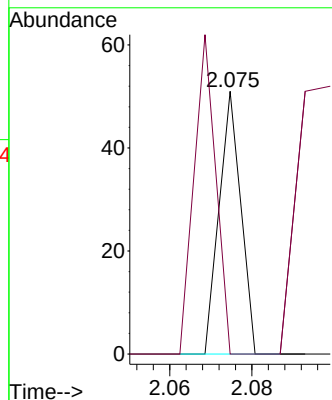
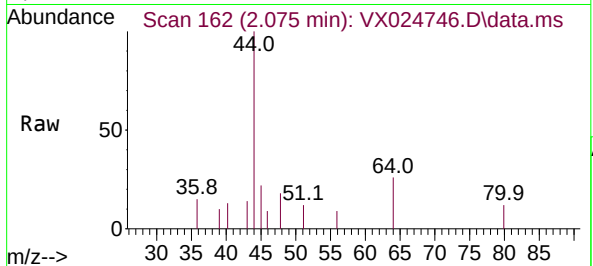




#13
Acrolein
Concen: 10.243 ug/l
RT: 2.075 min Scan# 162
Delta R.T. -0.164 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

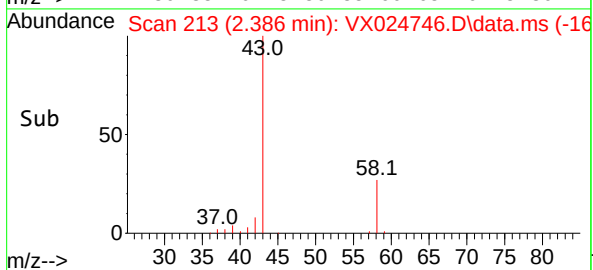
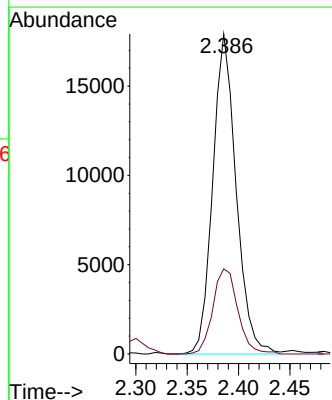
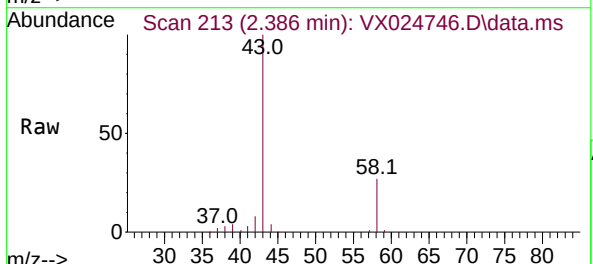
Instrument :
MSVOA_X
ClientSampleId :

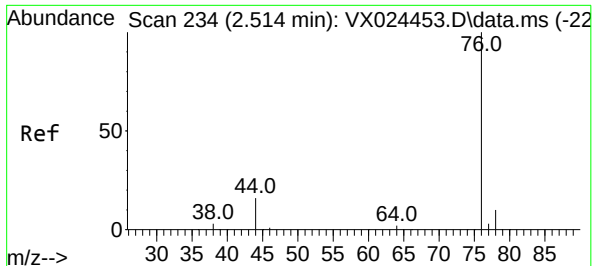
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 121.1 56.4 84.6#



#16
Acetone
Concen: 27.861 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

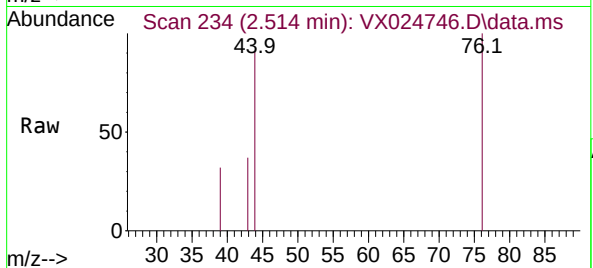
Tgt Ion: 43 Resp: 28320
Ion Ratio Lower Upper
43 100
58 26.6 27.8 41.8#



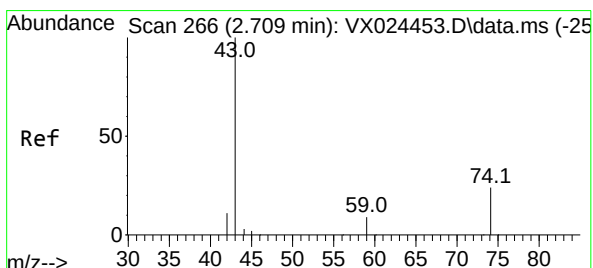
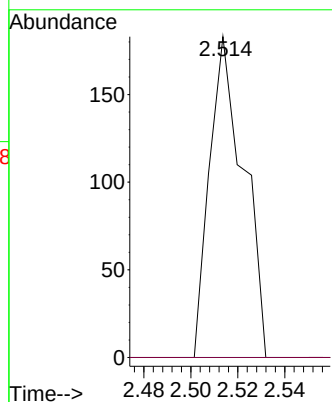
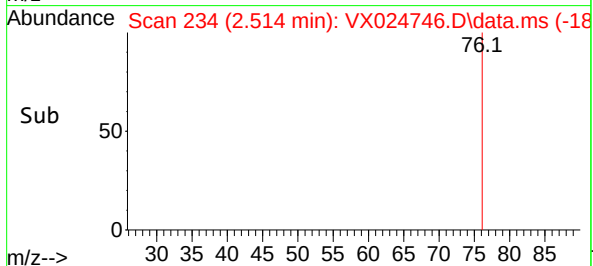


#17
Carbon Disulfide
Concen: 0.288 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

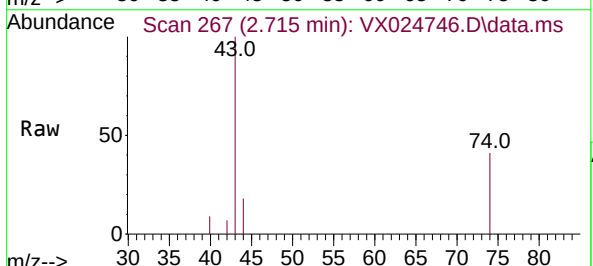
Instrument :
MSVOA_X
ClientSampled :



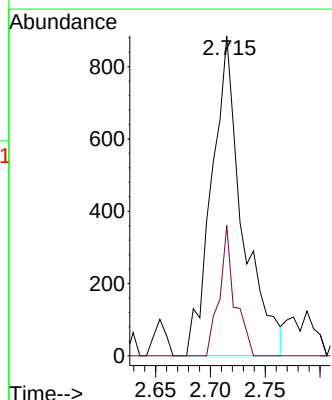
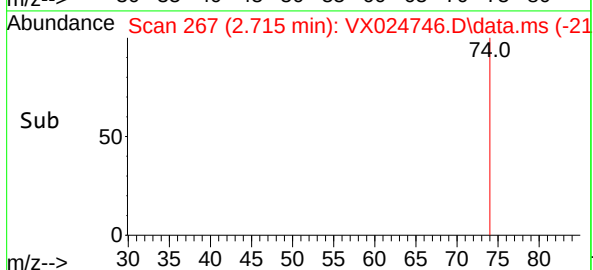
Tgt Ion: 76 Resp: 184
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

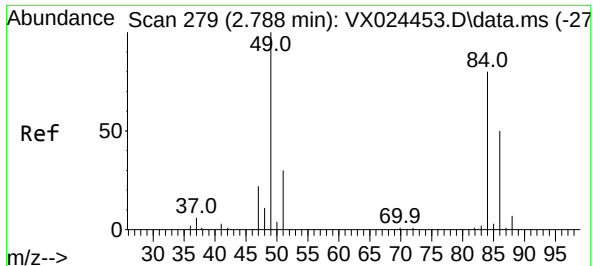


#18
Methyl Acetate
Concen: 0.633 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07



Tgt Ion: 43 Resp: 1725
Ion Ratio Lower Upper
43 100
74 20.3 21.9 32.9#





#20

Methylene Chloride

Concen: 3.756 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX024746.D

Acq: 12 Oct 2021 06:07

Tgt Ion: 84 Resp: 6557

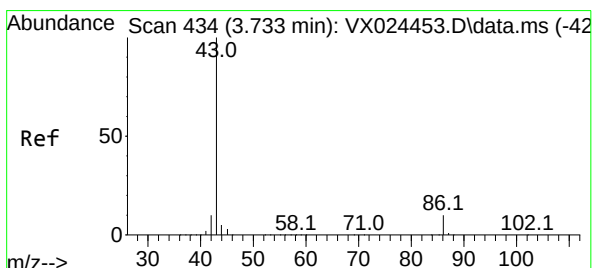
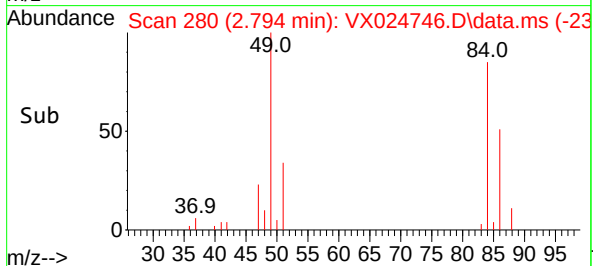
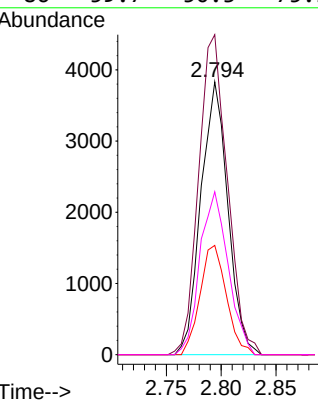
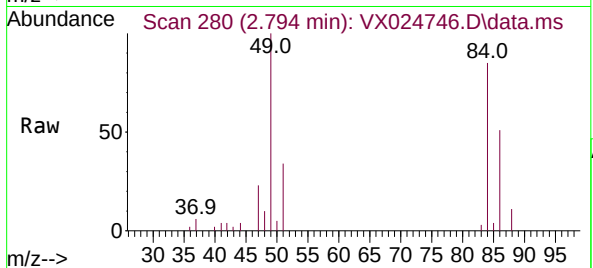
Ion Ratio Lower Upper

84 100

49 117.3 88.6 132.8

51 40.1 27.0 40.6

86 59.7 50.3 75.5



#23

Vinyl Acetate

Concen: 0.267 ug/l

RT: 3.861 min Scan# 455

Delta R.T. 0.128 min

Lab File: VX024746.D

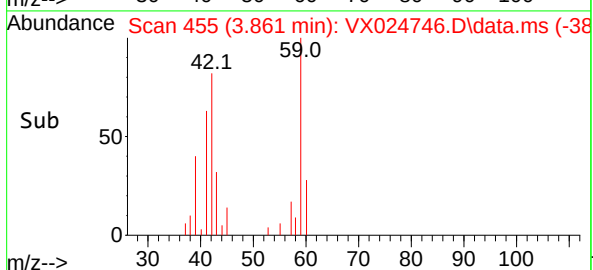
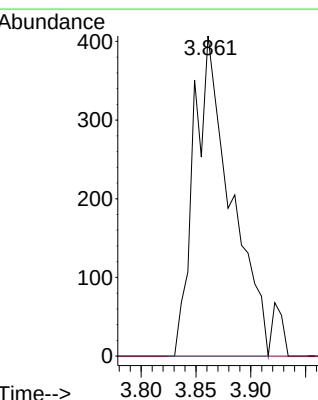
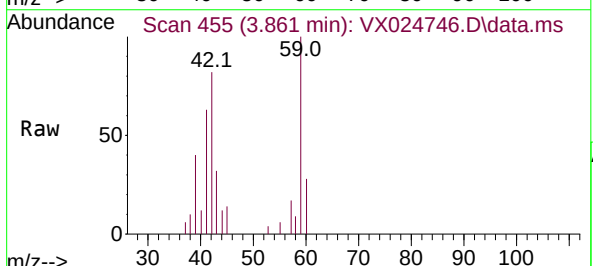
Acq: 12 Oct 2021 06:07

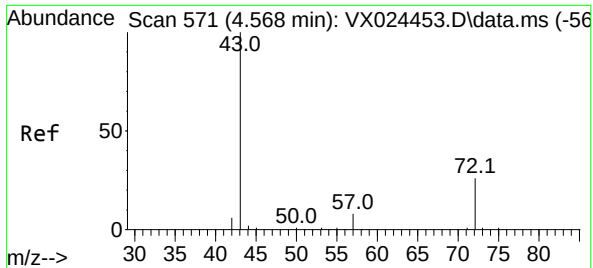
Tgt Ion: 43 Resp: 956

Ion Ratio Lower Upper

43 100

86 0.0 9.9 14.9#

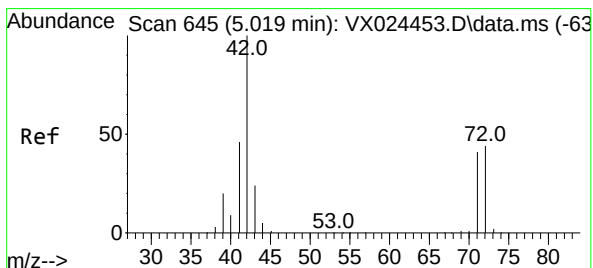
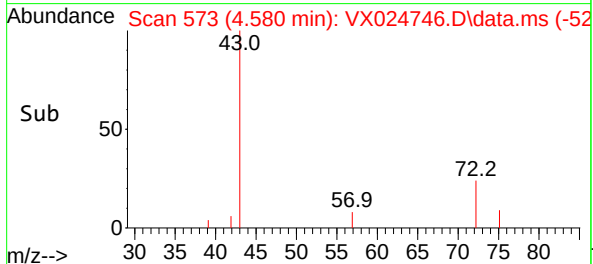
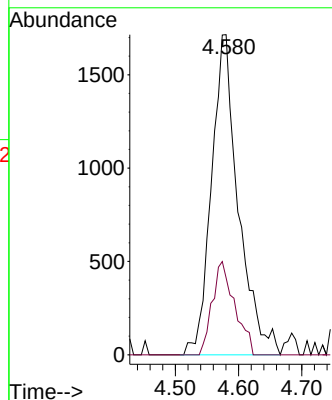
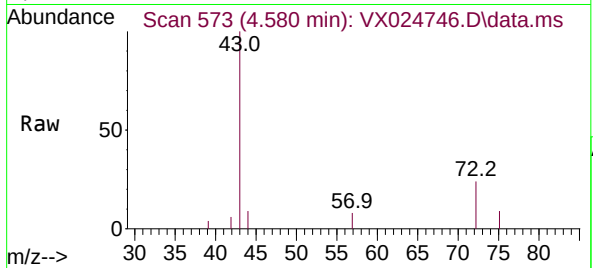




#25
2-Butanone
Concen: 4.047 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

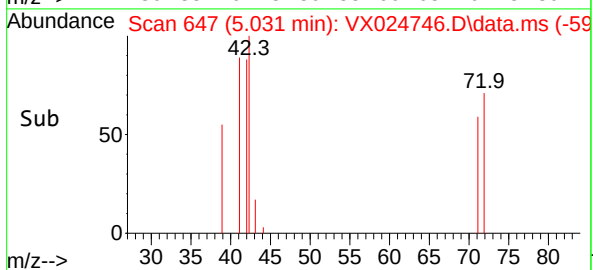
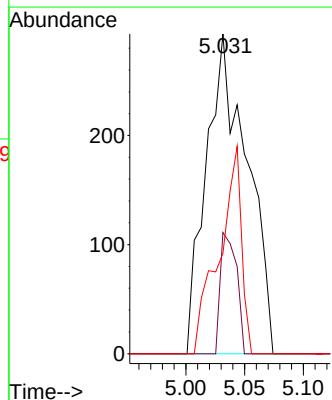
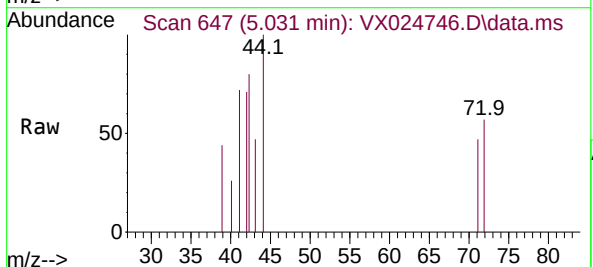
Instrument :
MSVOA_X
ClientSampled :

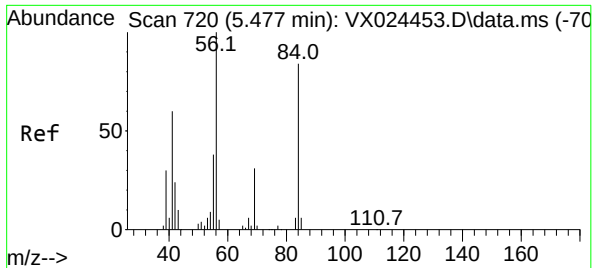
Tgt Ion: 43 Resp: 5074
Ion Ratio Lower Upper
43 100
72 24.0 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.888 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.012 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

Tgt Ion: 42 Resp: 709
Ion Ratio Lower Upper
42 100
72 15.1 41.7 62.5#
71 35.5 38.4 57.6#

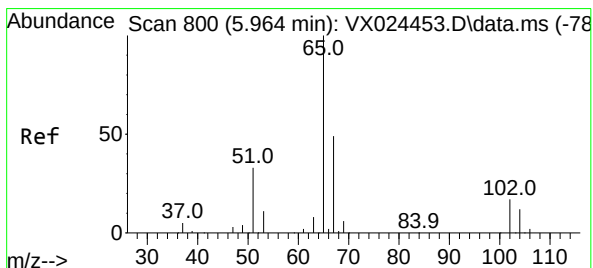
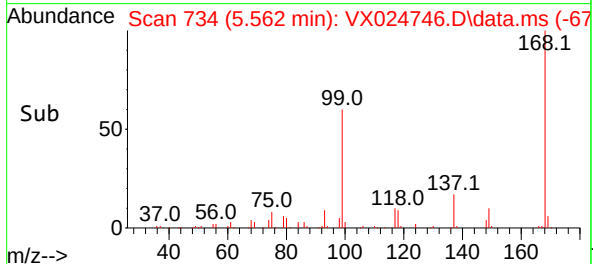
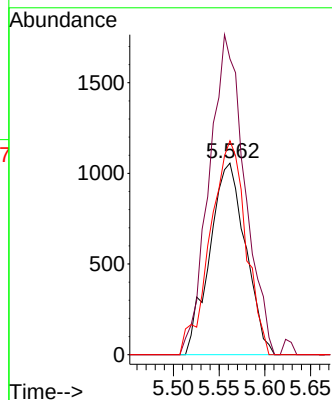
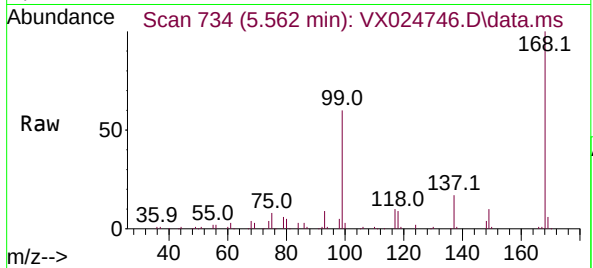




#31
Cyclohexane
Concen: 1.323 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

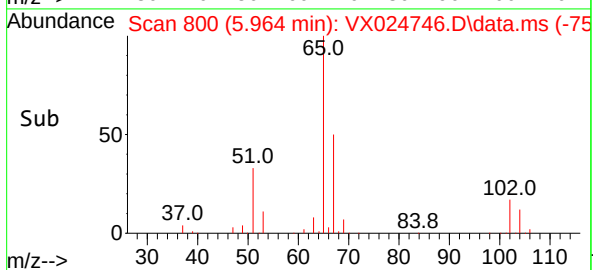
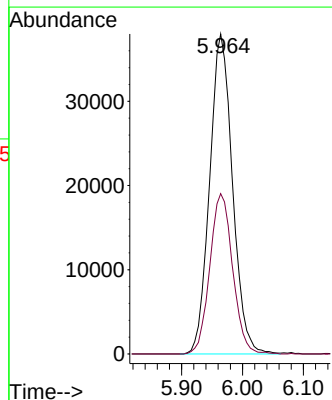
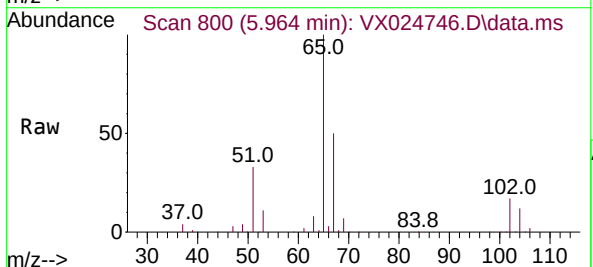
Instrument :
MSVOA_X
ClientSampled :

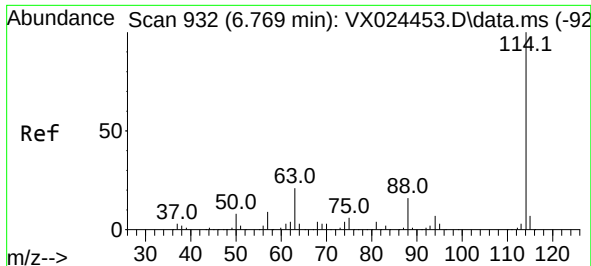
Tgt Ion: 56 Resp: 2883
Ion Ratio Lower Upper
56 100
69 154.5 25.3 37.9#
84 111.7 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 54.408 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

Tgt Ion: 65 Resp: 99043
Ion Ratio Lower Upper
65 100
67 50.0 0.0 105.4

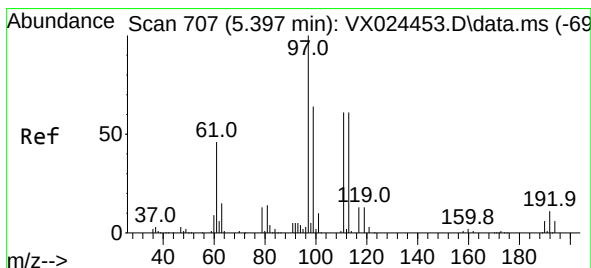
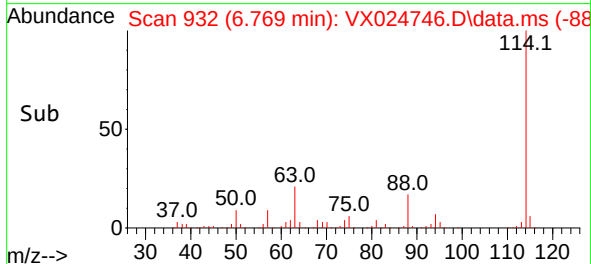
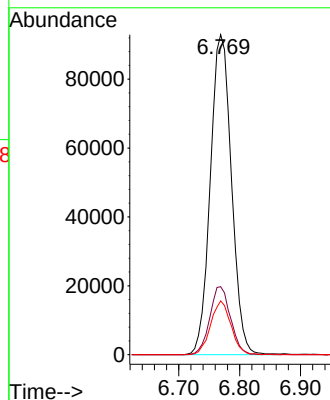
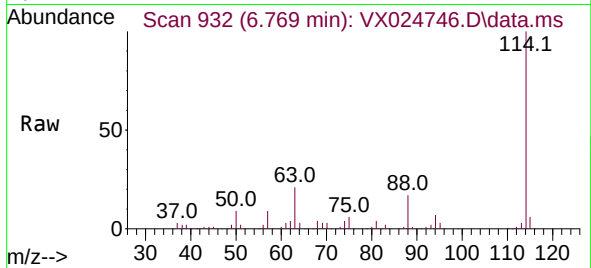




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

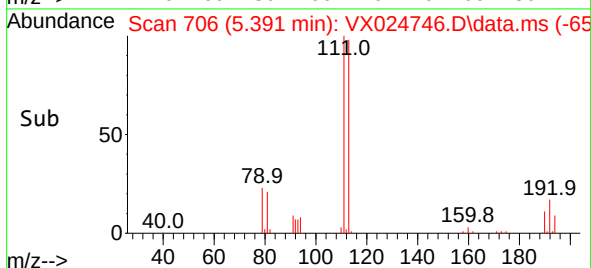
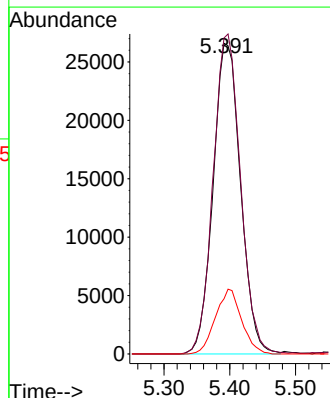
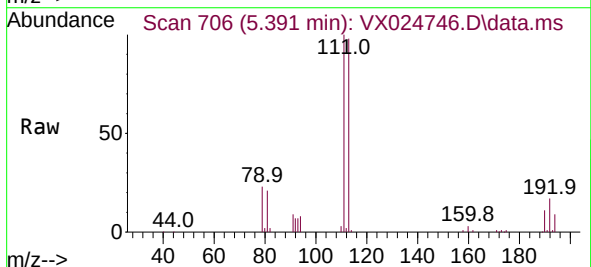
Instrument :
MSVOA_X
ClientSampled :

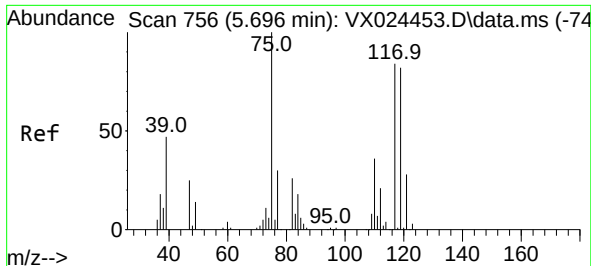
Tgt Ion:114 Resp: 223901
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 16.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.938 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

Tgt Ion:113 Resp: 77254
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 19.9 16.7 25.1

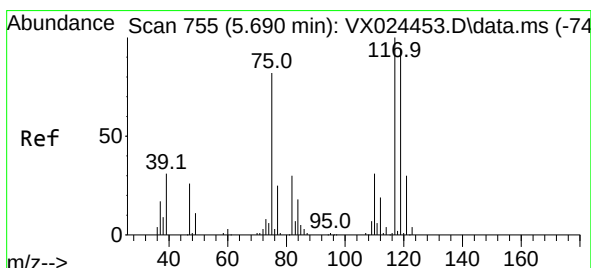
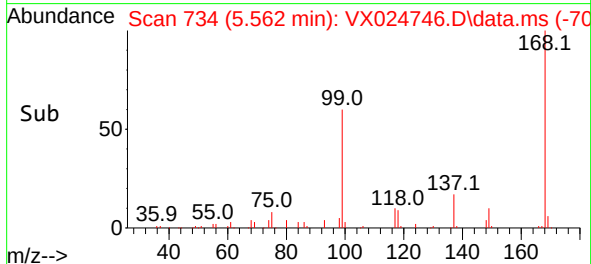
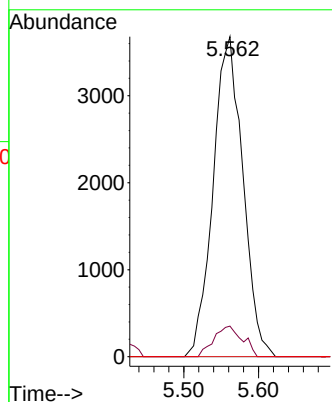
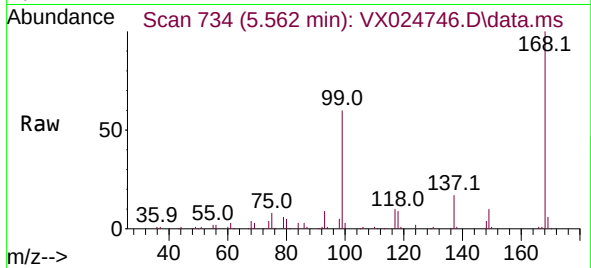




#36
1,1-Dichloropropene
Concen: 4.743 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

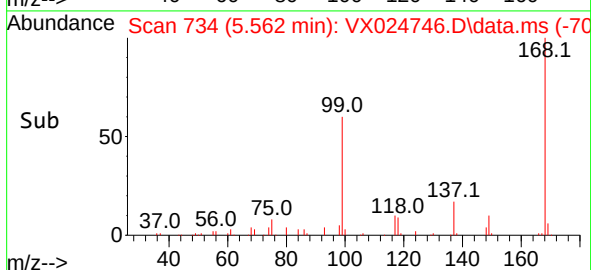
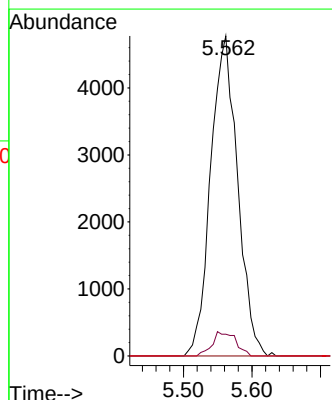
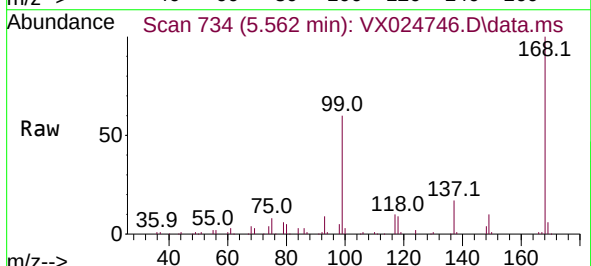
Instrument :
MSVOA_X
ClientSampled :

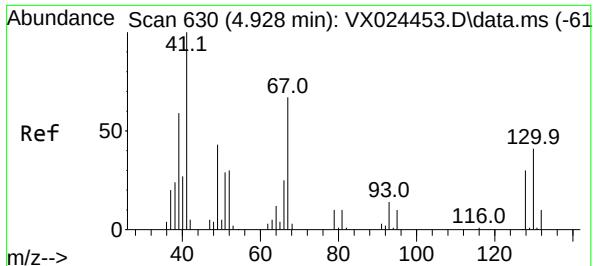
Tgt Ion: 75 Resp: 10181
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.575 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

Tgt Ion:117 Resp: 13027
Ion Ratio Lower Upper
117 100
119 6.8 76.2 114.2#
121 0.0 24.8 37.2#

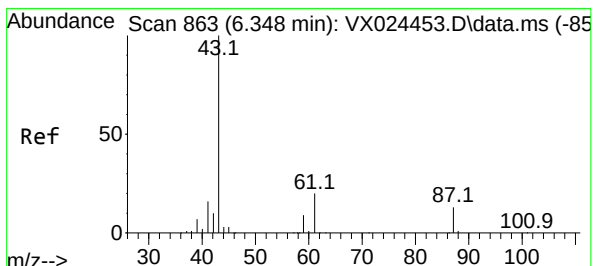
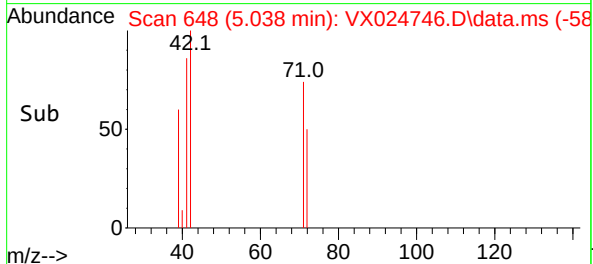
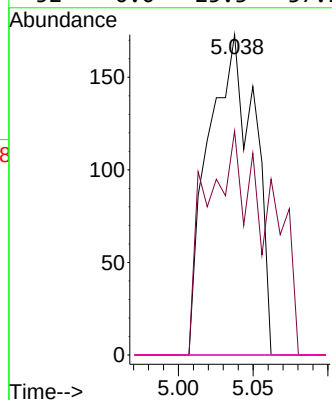
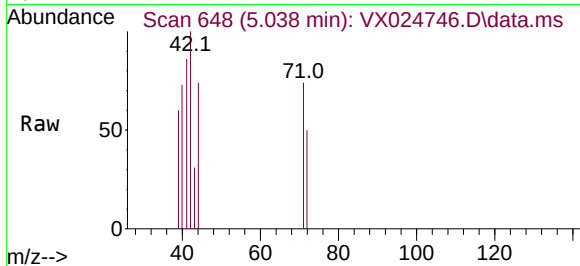




#41
Methacrylonitrile
Concen: 0.268 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

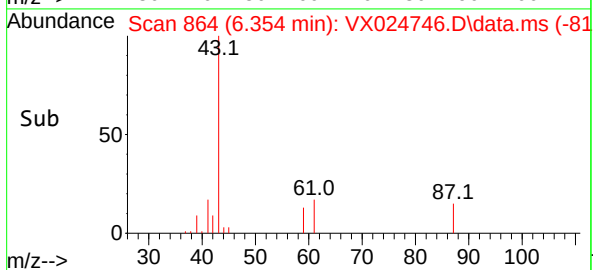
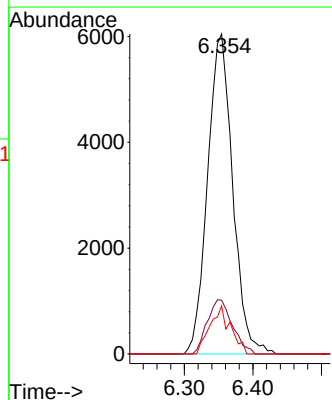
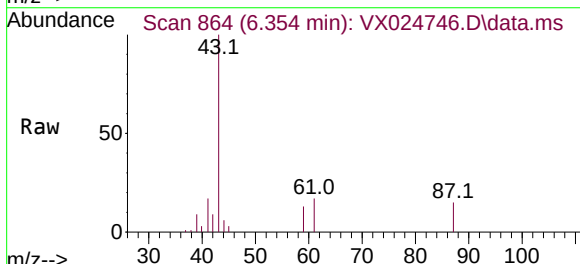
Instrument :
MSVOA_X
ClientSampled :

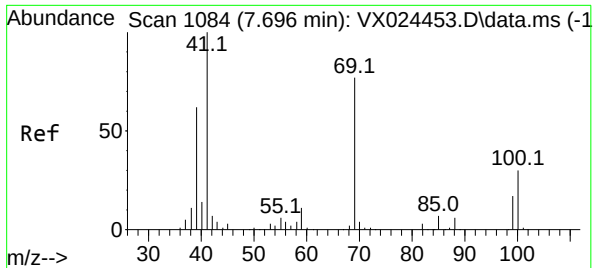
Tgt Ion:	41	Resp:	371
Ion	Ratio	Lower	Upper
41	100		
39	70.4	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 3.778 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

Tgt Ion:	43	Resp:	15392
Ion	Ratio	Lower	Upper
43	100		
61	17.0	18.2	27.4#
87	12.4	12.5	18.7#





#48

Methyl methacrylate

Concen: 2.942 ug/l

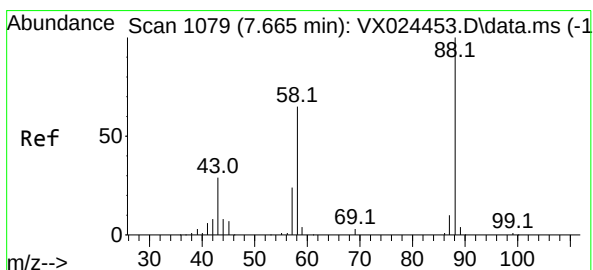
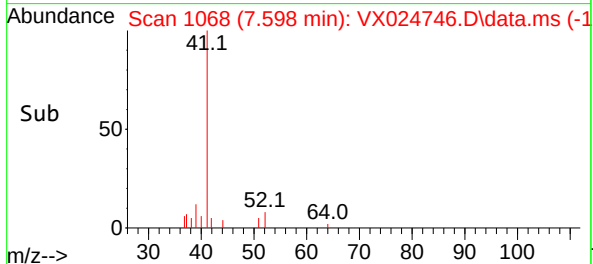
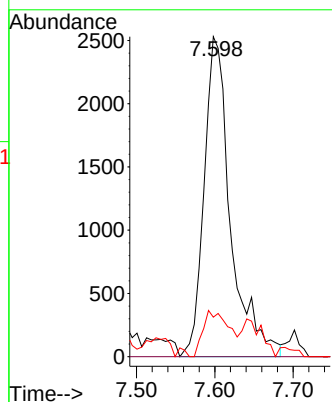
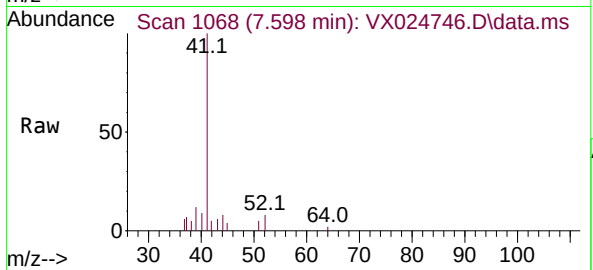
RT: 7.598 min Scan# 1068

Delta R.T. -0.098 min

Lab File: VX024746.D

Acq: 12 Oct 2021 06:07

Tgt Ion:	41	Resp:	5936
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: 0.563 ug/l

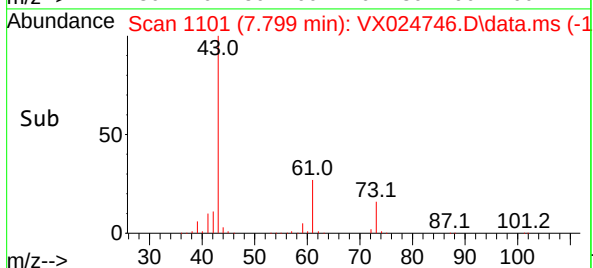
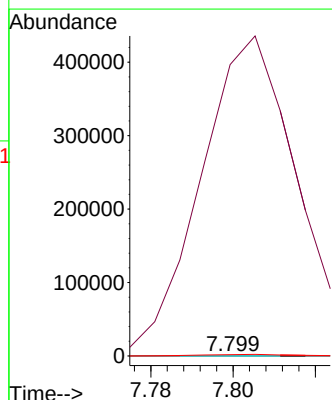
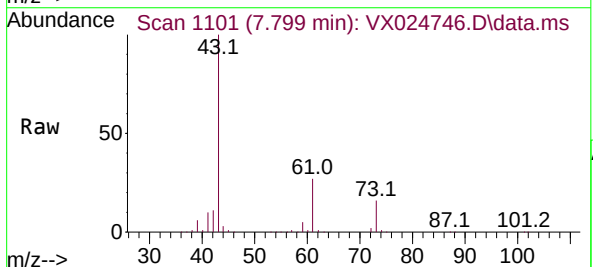
RT: 7.799 min Scan# 1101

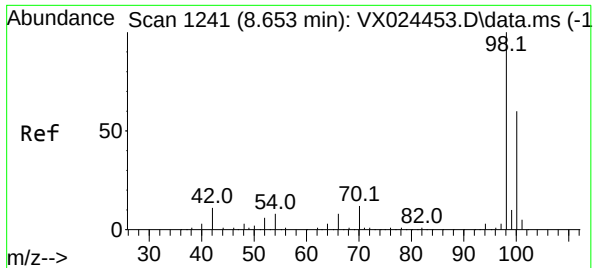
Delta R.T. 0.134 min

Lab File: VX024746.D

Acq: 12 Oct 2021 06:07

Tgt Ion:	88	Resp:	26
Ion	Ratio	Lower	Upper
88	100		
43	2778542.3	23.2	34.8#
58	13215.4	55.0	82.4#

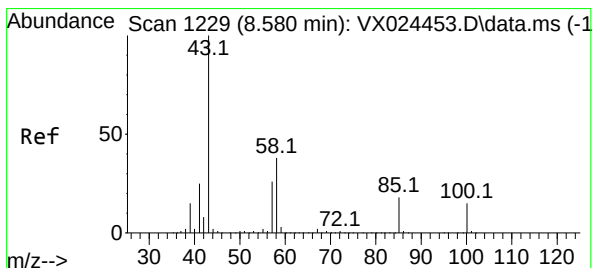
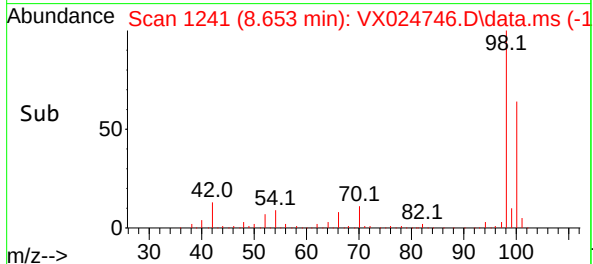
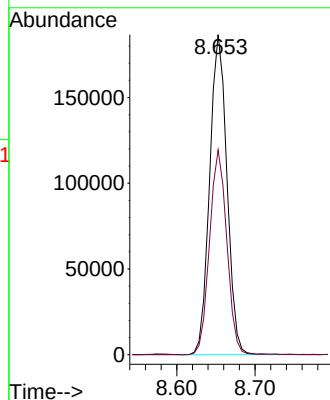
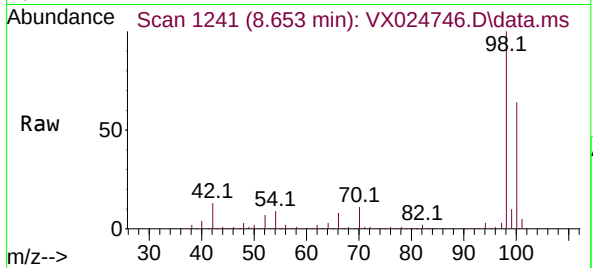




#50
Toluene-d8
Concen: 52.201 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

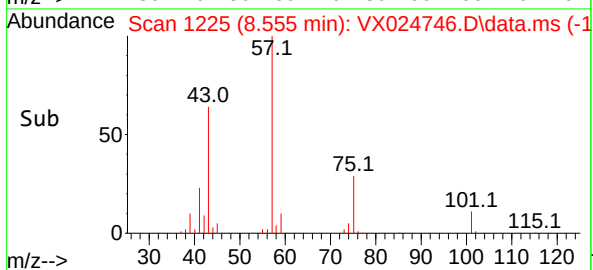
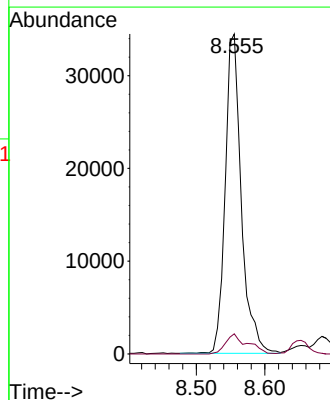
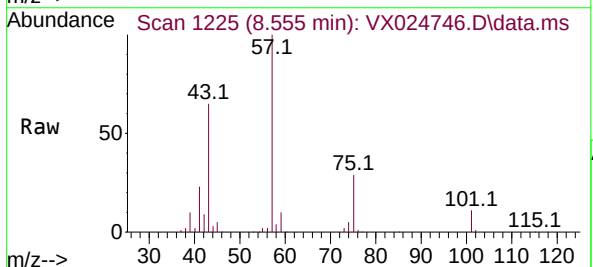
Instrument :
MSVOA_X
ClientSampled :

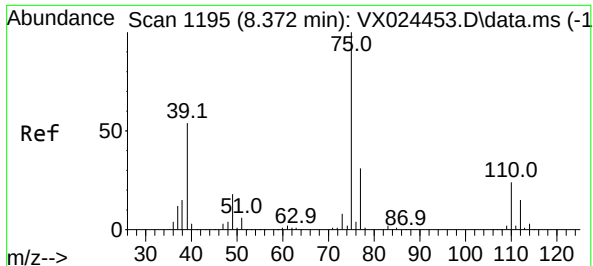
Tgt Ion: 98 Resp: 285775
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 20.810 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

Tgt Ion: 43 Resp: 55971
Ion Ratio Lower Upper
43 100
58 8.6 35.4 53.0#

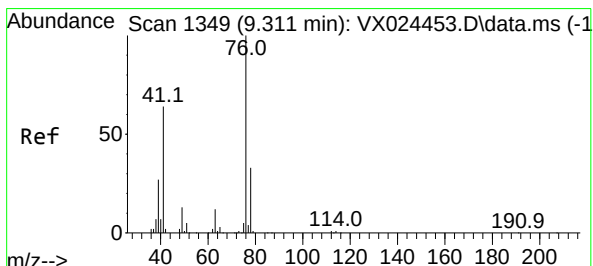
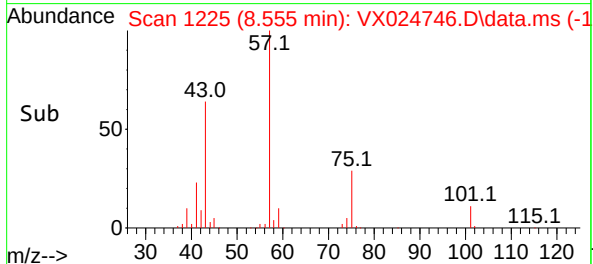
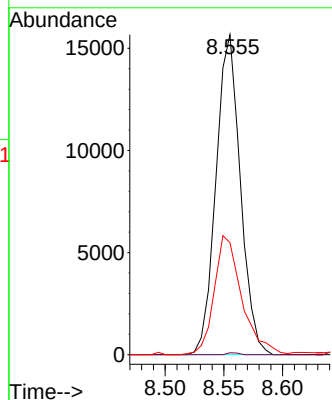
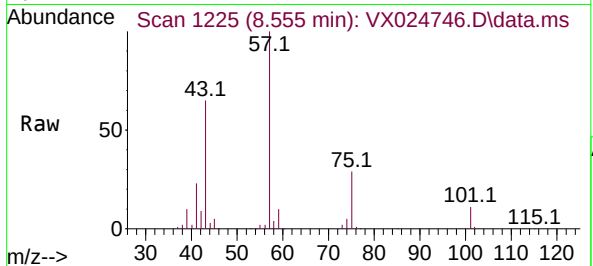




#54
 cis-1,3-Dichloropropene
 Concen: 9.029 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX024746.D
 Acq: 12 Oct 2021 06:07

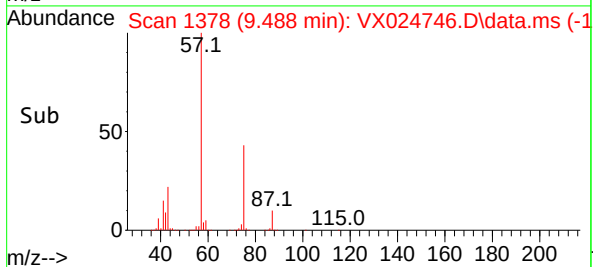
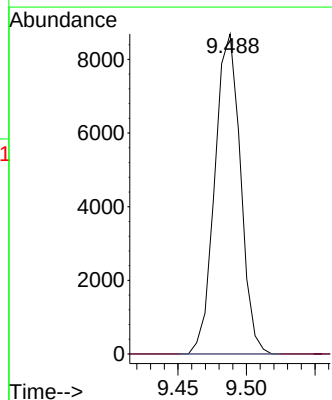
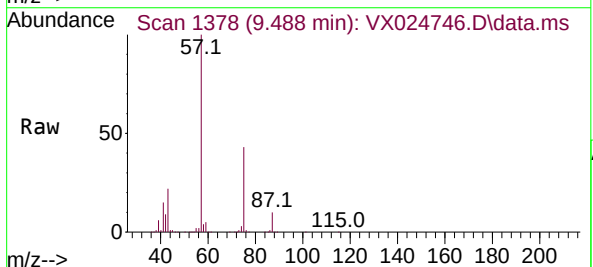
Instrument :
 MSVOA_X
 ClientSampled :

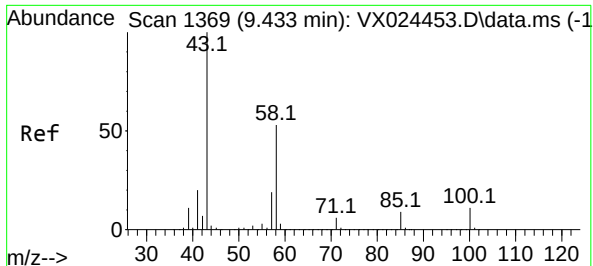
Tgt Ion: 75 Resp: 22644
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.7 38.5#
 39 35.0 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 4.087 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX024746.D
 Acq: 12 Oct 2021 06:07

Tgt Ion: 76 Resp: 11305
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

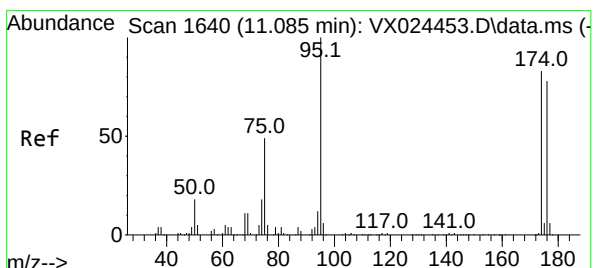
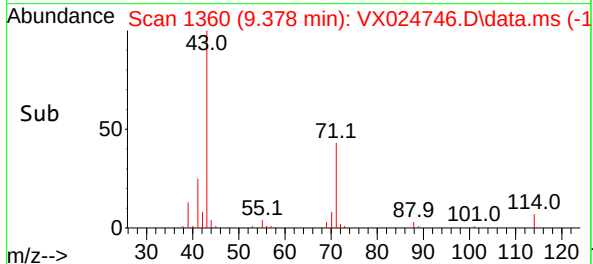
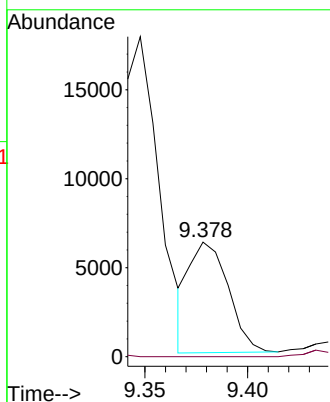
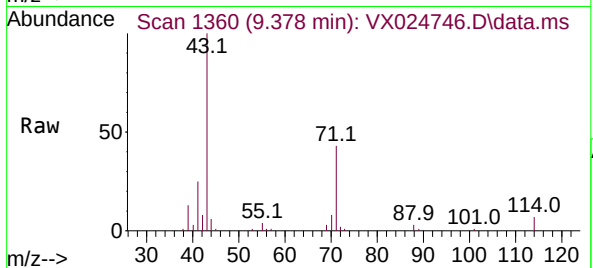




#59
2-Hexanone
Concen: 3.888 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

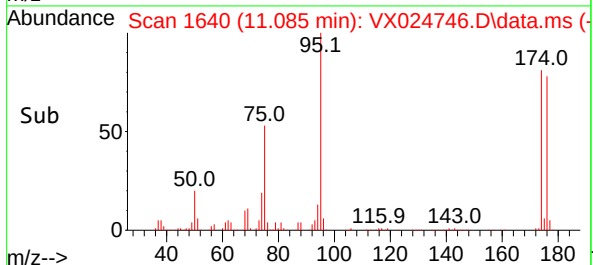
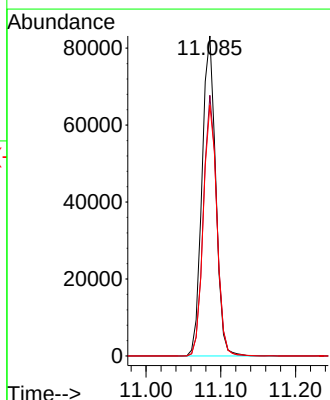
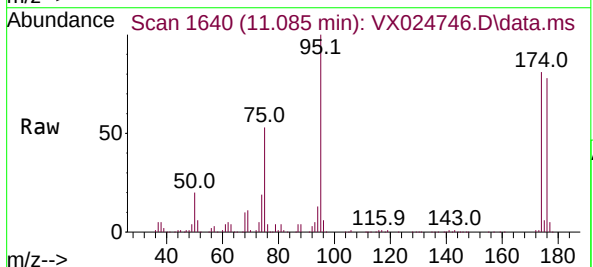
Instrument :
MSVOA_X
ClientSampled :

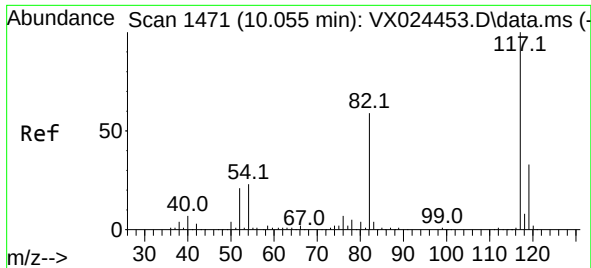
Tgt Ion: 43 Resp: 8236
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 49.163 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

Tgt Ion: 95 Resp: 105822
Ion Ratio Lower Upper
95 100
174 79.5 0.0 154.6
176 78.0 0.0 155.8

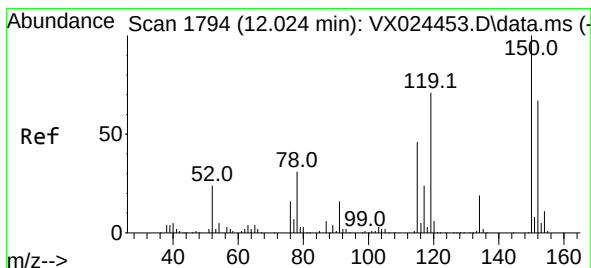
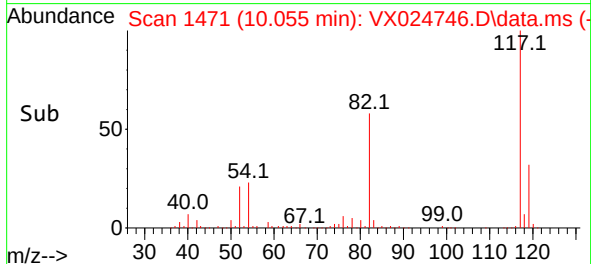
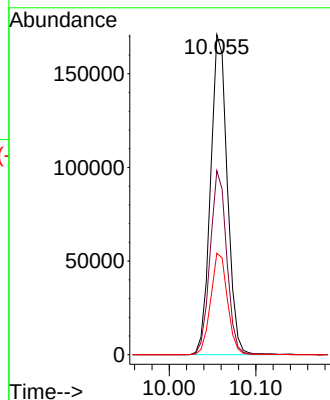
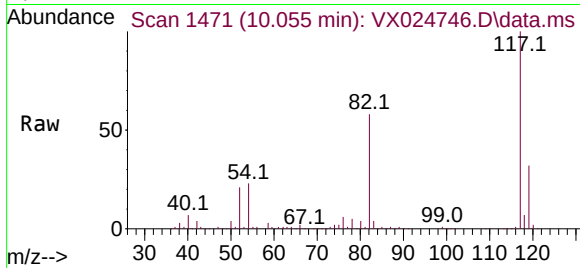




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

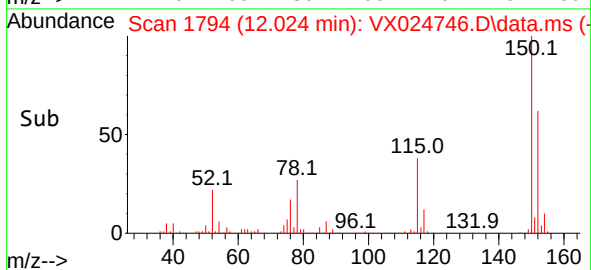
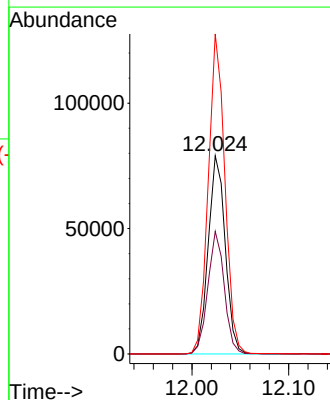
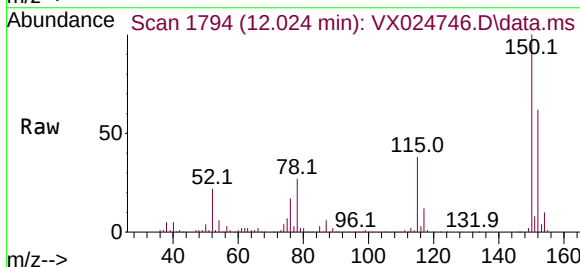
Instrument :
MSVOA_X
ClientSampled :

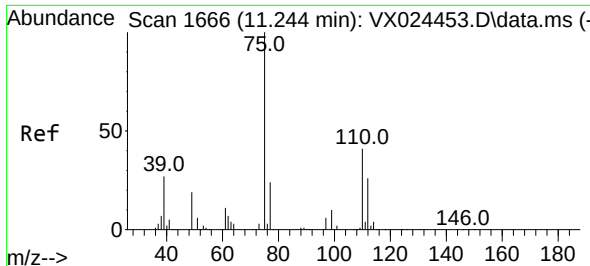
Tgt Ion:117 Resp: 229403
Ion Ratio Lower Upper
117 100
82 57.5 47.4 71.2
119 31.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

Tgt Ion:152 Resp: 96776
Ion Ratio Lower Upper
152 100
115 59.9 41.1 123.3
150 157.5 0.0 349.0

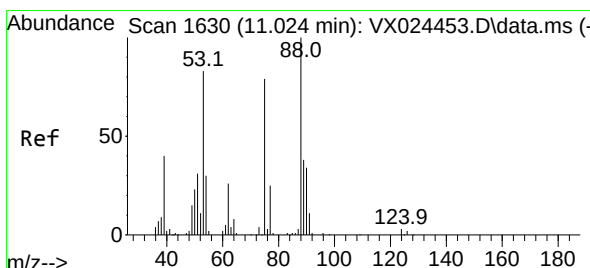
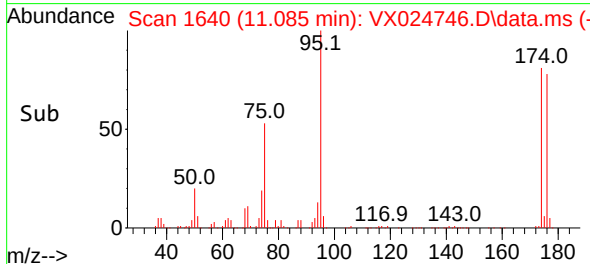
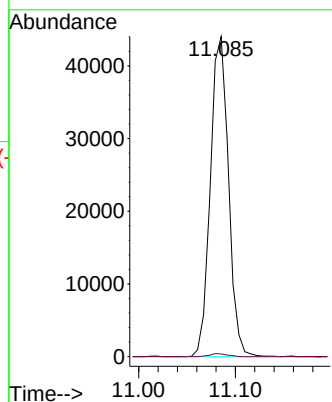
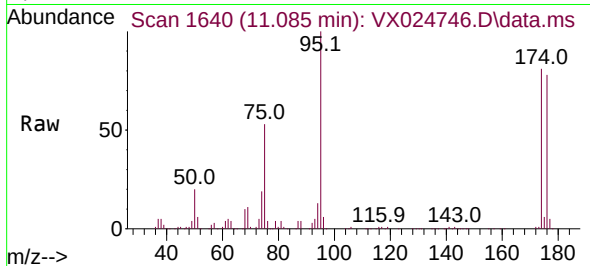




#76
1,2,3-Trichloropropane
Concen: 26.138 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 57445
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.190 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024746.D
Acq: 12 Oct 2021 06:07

Tgt Ion: 75 Resp: 57445
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

