

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063021\
 Data File : VX023037.D
 Acq On : 30 Jun 2021 16:30
 Operator : JC/MD
 Sample : M2892-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 01 03:26:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

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

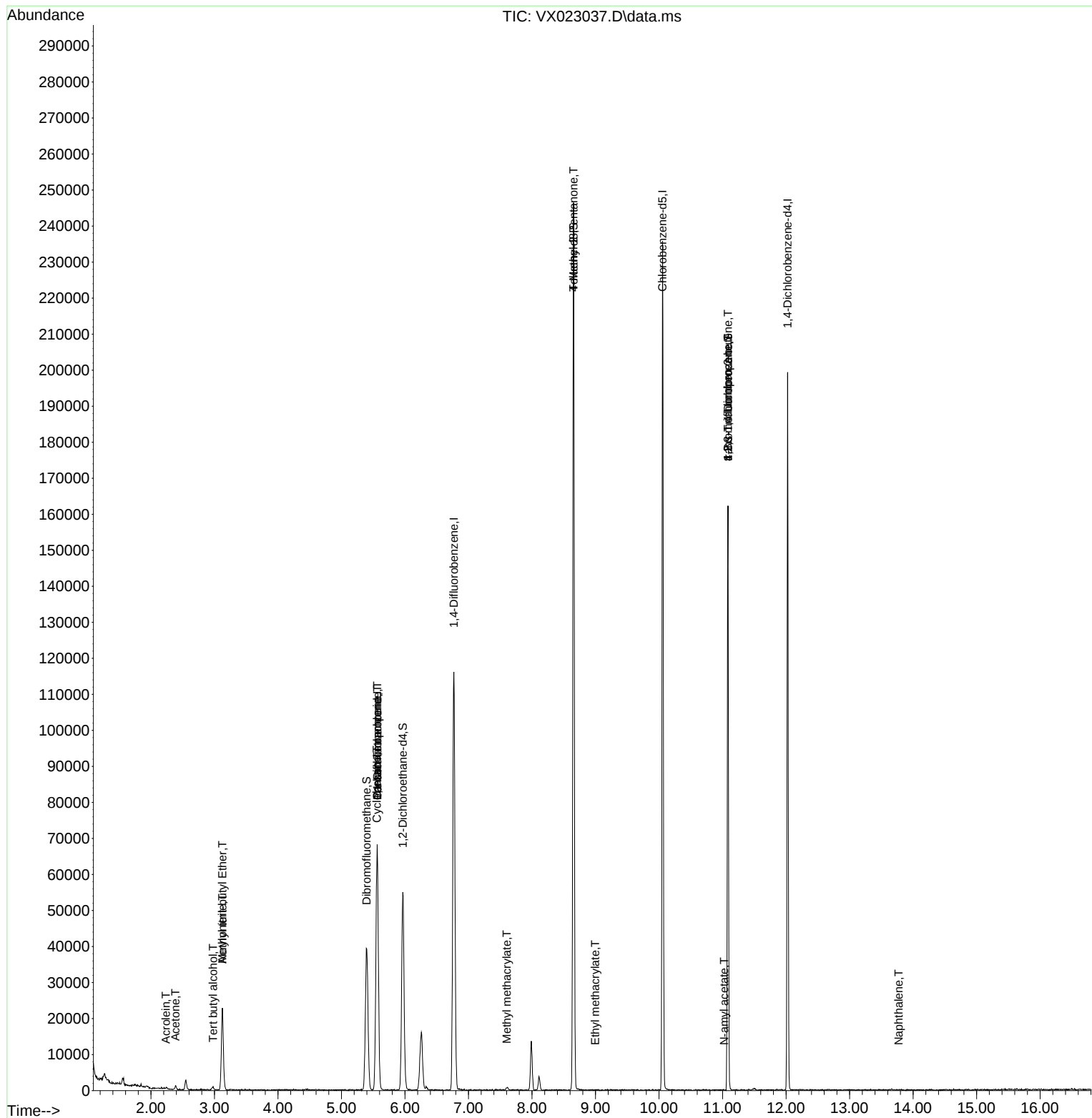
Internal Standards						
1) Pentafluorobenzene	5.562	168	53442	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	110197	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	95534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	33229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	51466	53.065	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.140%	
35) Dibromofluoromethane	5.397	113	34032	48.633	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.260%	
50) Toluene-d8	8.653	98	135351	49.352	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.700%	
62) 4-Bromofluorobenzene	11.085	95	43725	42.719	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 85.440%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	874	4.324	ug/l	# 73
13) Acrolein	2.233	56	26	0.207	ug/l	92
15) Acrylonitrile	3.123	53	234	0.506	ug/l	# 15
16) Acetone	2.386	43	1064	2.475	ug/l	90
19) Methyl tert-butyl Ether	3.123	73	23030	9.263	ug/l	98
31) Cyclohexane	5.556	56	1681	1.228	ug/l	# 17
36) 1,1-Dichloropropene	5.562	75	6071	5.187	ug/l	# 47
38) Carbon Tetrachloride	5.562	117	6419	6.538	ug/l	# 17
48) Methyl methacrylate	7.604	41	267	0.265	ug/l	# 32
51) 4-Methyl-2-Pentanone	8.653	43	857	0.632	ug/l	# 1
56) Ethyl methacrylate	8.994	69	21	2.592	ug/l	# 29
74) N-amyl acetate	11.024	43	157	2.150	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	23824	27.143	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	23824	70.280	ug/l	# 12
95) Naphthalene	13.774	128	49	1.940	ug/l	# 69

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

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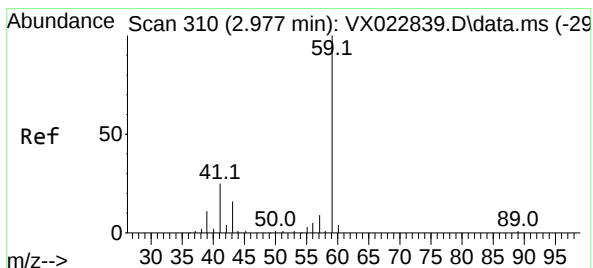
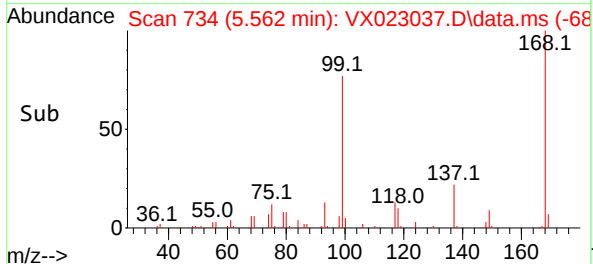
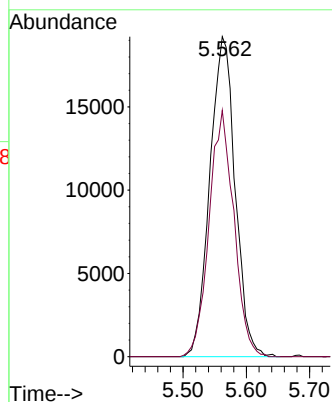
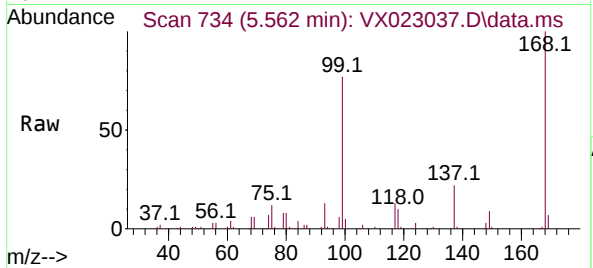




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX023037.D
Acq: 30 Jun 2021 16:30

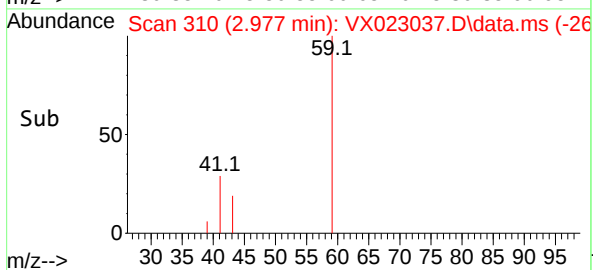
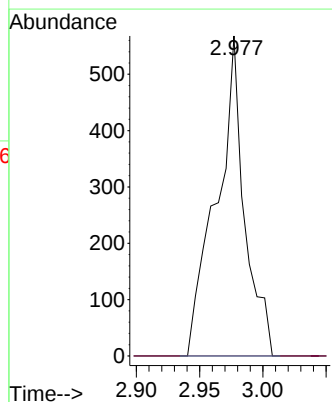
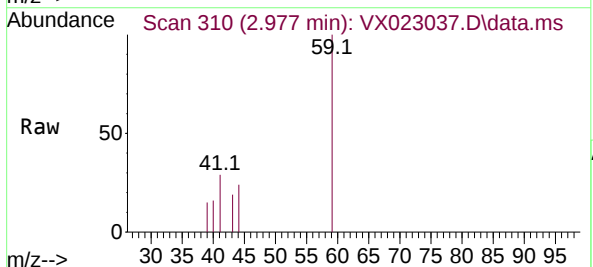
Instrument :
MSVOA_X
ClientSampleId :

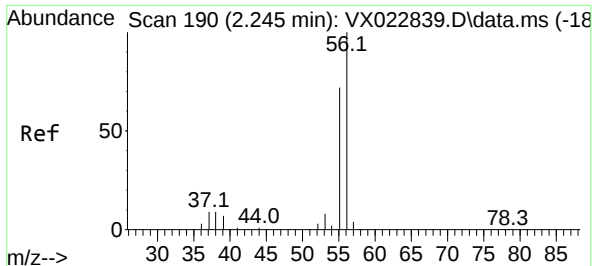
Tgt Ion:168 Resp: 53442
Ion Ratio Lower Upper
168 100
99 76.9 45.8 68.6#



#11
Tert butyl alcohol
Concen: 4.324 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX023037.D
Acq: 30 Jun 2021 16:30

Tgt Ion: 59 Resp: 874
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

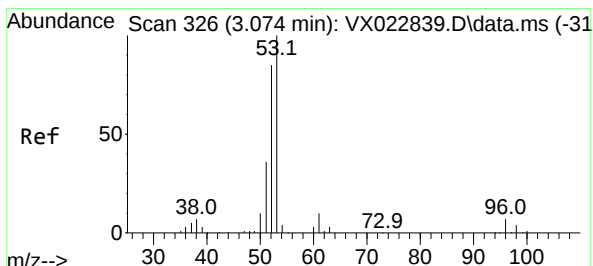
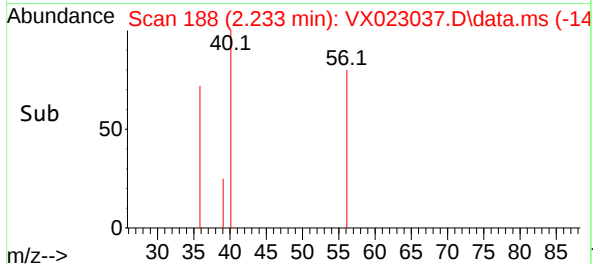
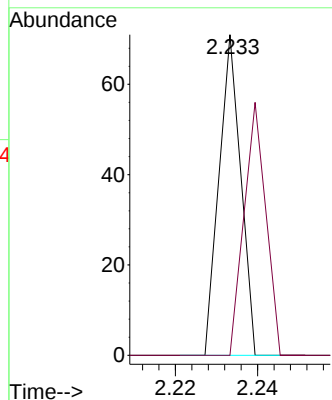
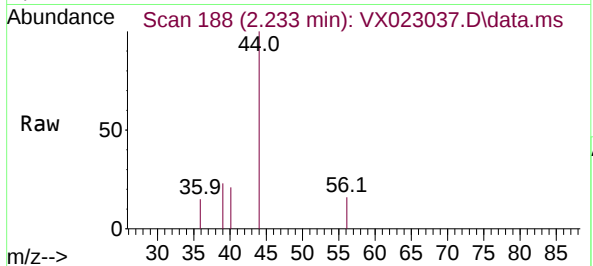




#13
Acrolein
Concen: 0.207 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.012 min
Lab File: VX023037.D
Acq: 30 Jun 2021 16:30

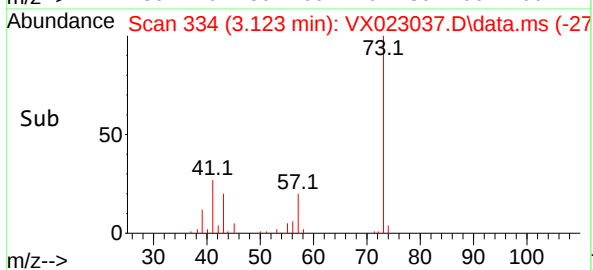
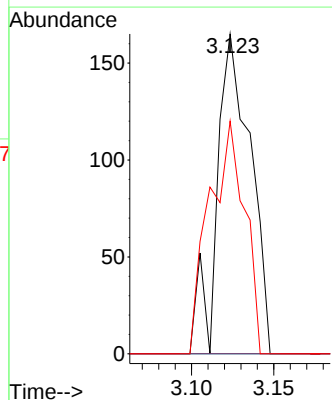
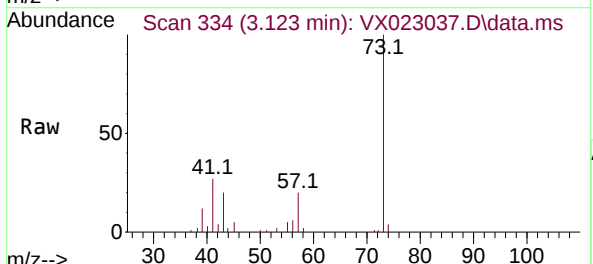
Instrument :
MSVOA_X
ClientSampled :

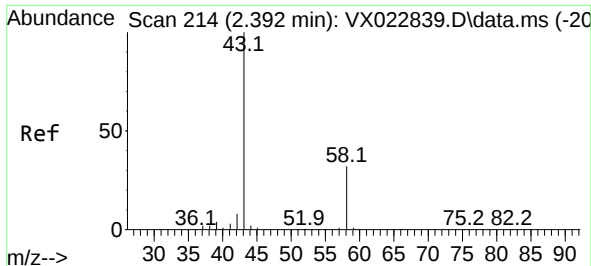
Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 76.9 56.4 84.6



#15
Acrylonitrile
Concen: 0.506 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.049 min
Lab File: VX023037.D
Acq: 30 Jun 2021 16:30

Tgt Ion: 53 Resp: 234
Ion Ratio Lower Upper
53 100
52 0.0 65.3 97.9#
51 76.5 28.2 42.2#

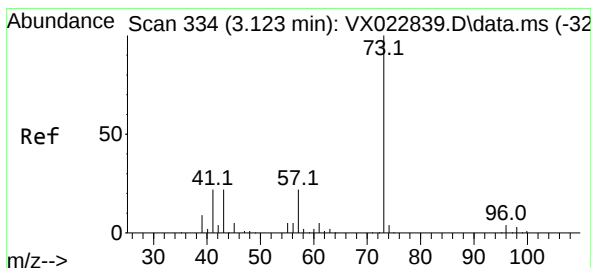
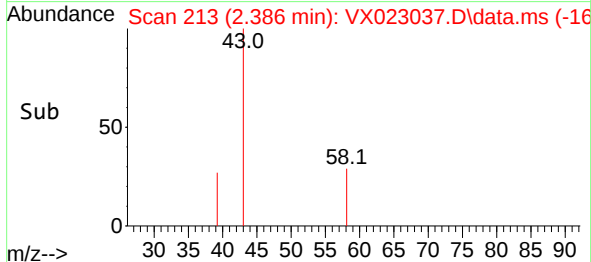
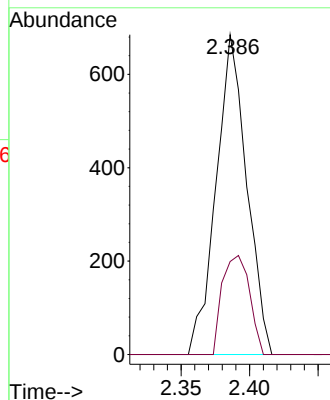
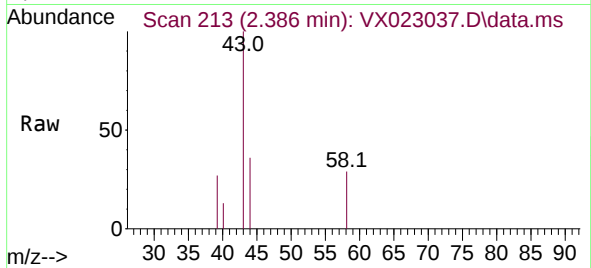




#16
Acetone
Concen: 2.475 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023037.D
Acq: 30 Jun 2021 16:30

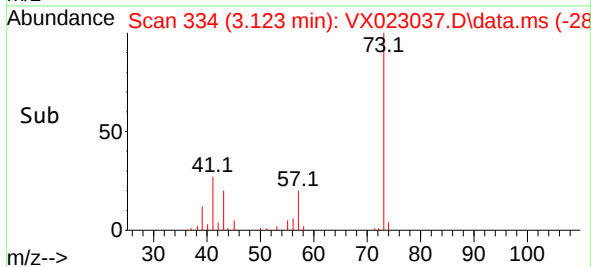
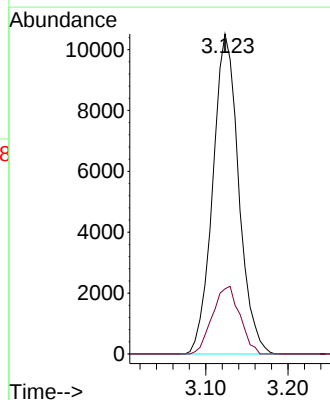
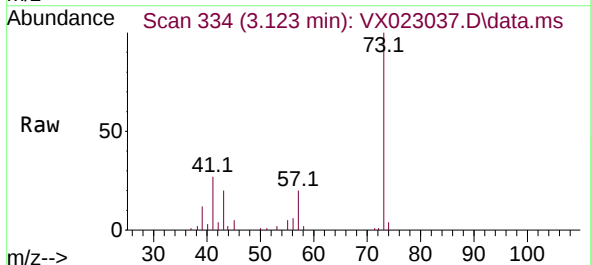
Instrument :
MSVOA_X
ClientSampleId :

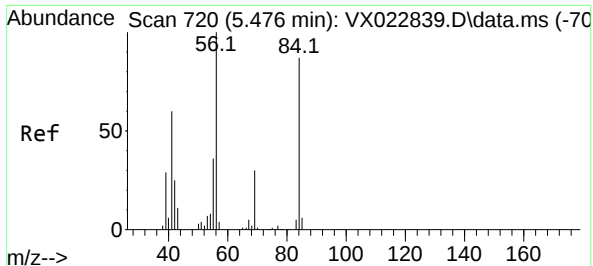
Tgt Ion: 43 Resp: 1064
Ion Ratio Lower Upper
43 100
58 29.1 27.8 41.8



#19
Methyl tert-butyl Ether
Concen: 9.263 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX023037.D
Acq: 30 Jun 2021 16:30

Tgt Ion: 73 Resp: 23030
Ion Ratio Lower Upper
73 100
57 20.4 17.1 25.7

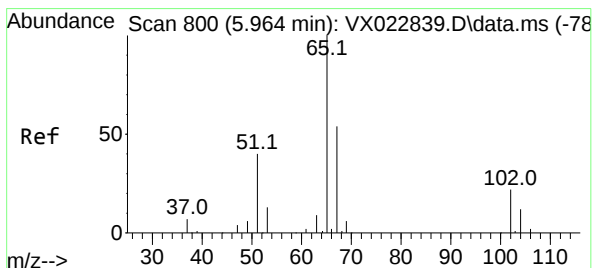
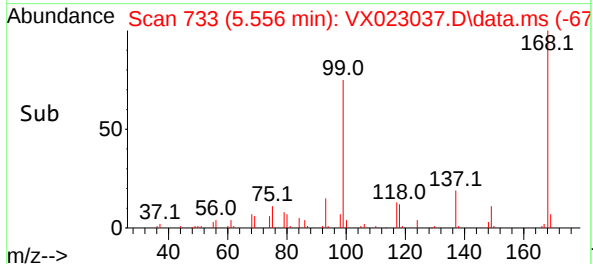
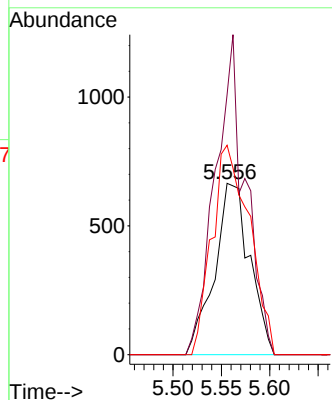
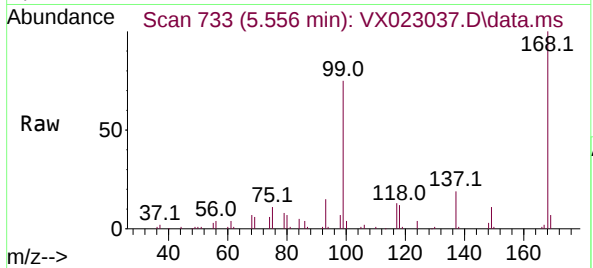




#31
Cyclohexane
Concen: 1.228 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.080 min
Lab File: VX023037.D
Acq: 30 Jun 2021 16:30

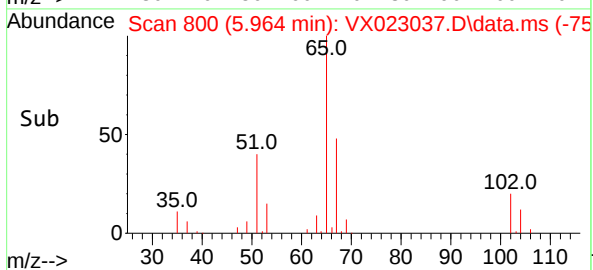
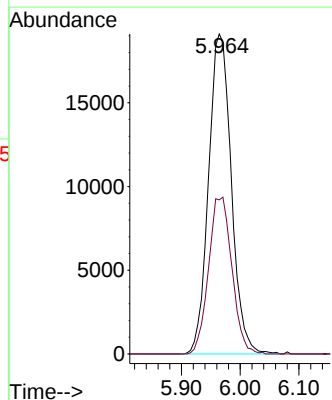
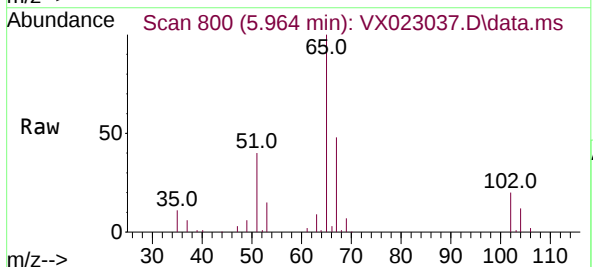
Instrument :
MSVOA_X
ClientSampled :

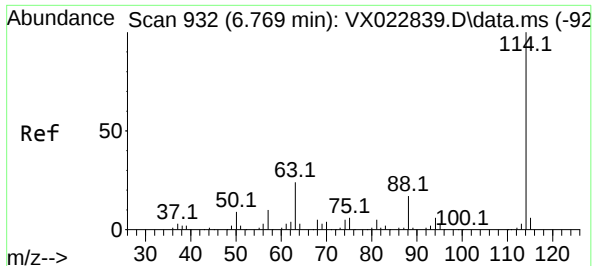
Tgt Ion: 56 Resp: 1681
Ion Ratio Lower Upper
56 100
69 151.7 25.3 37.9#
84 122.3 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 53.065 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023037.D
Acq: 30 Jun 2021 16:30

Tgt Ion: 65 Resp: 51466
Ion Ratio Lower Upper
65 100
67 50.3 0.0 105.4

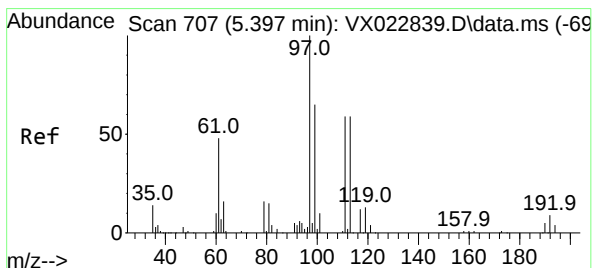
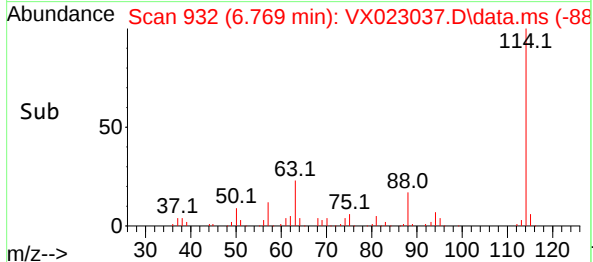
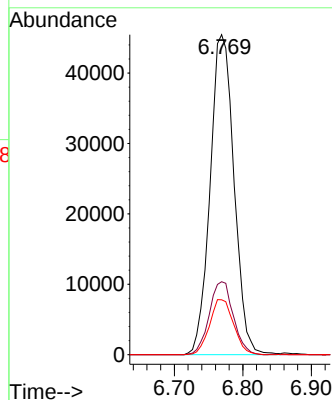
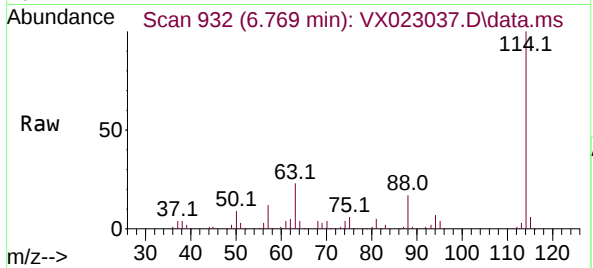




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023037.D
Acq: 30 Jun 2021 16:30

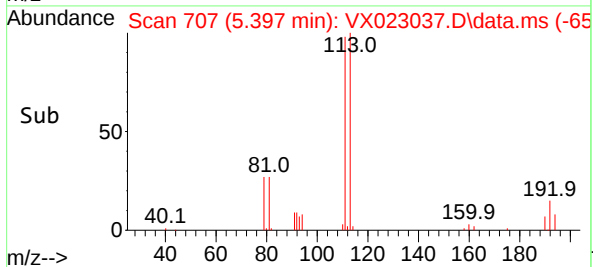
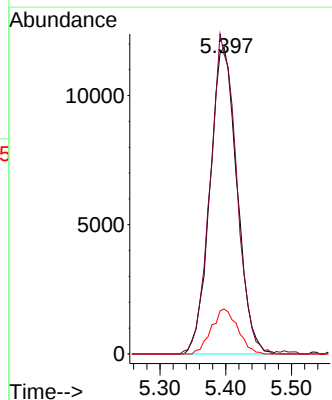
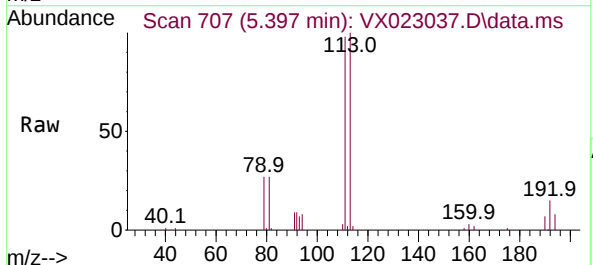
Instrument :
MSVOA_X
ClientSampled :

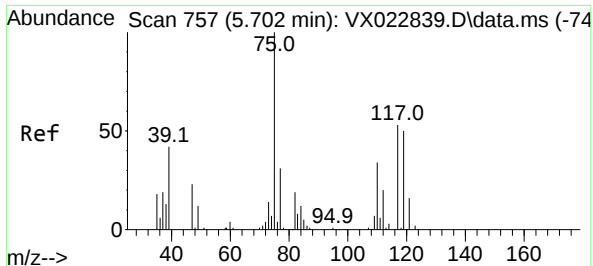
Tgt Ion:114 Resp: 110197
Ion Ratio Lower Upper
114 100
63 22.8 0.0 40.8
88 17.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.633 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023037.D
Acq: 30 Jun 2021 16:30

Tgt Ion:113 Resp: 34032
Ion Ratio Lower Upper
113 100
111 101.1 81.9 122.9
192 14.3 16.7 25.1#

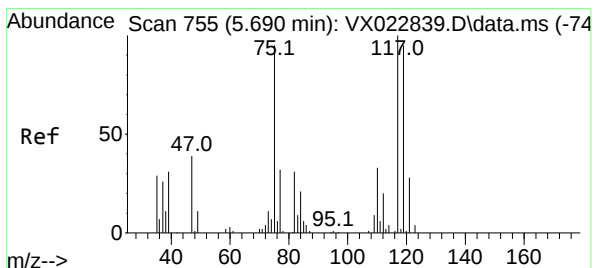
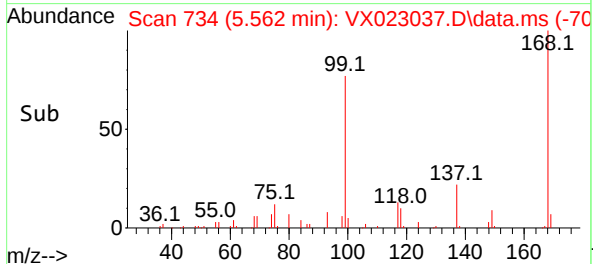
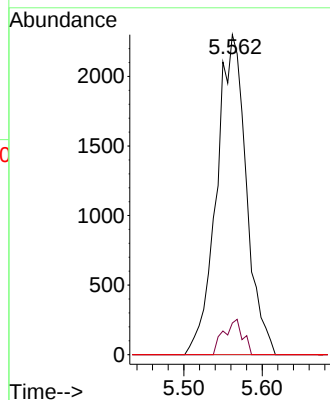
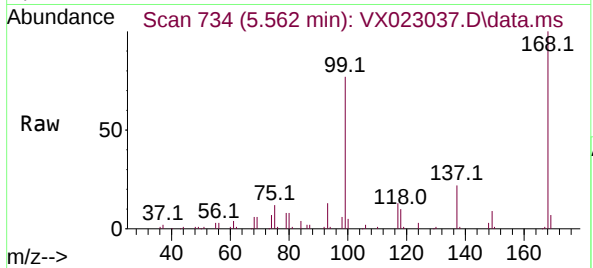




#36
1,1-Dichloropropene
Concen: 5.187 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023037.D
Acq: 30 Jun 2021 16:30

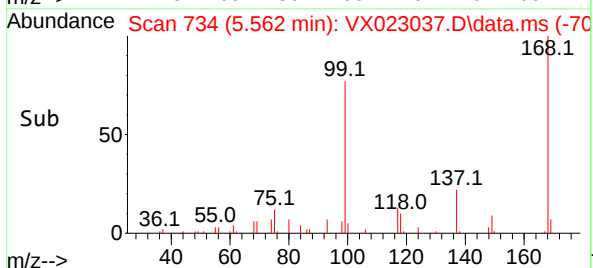
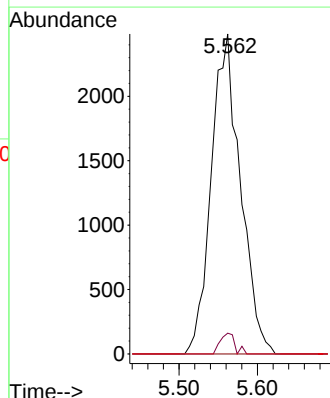
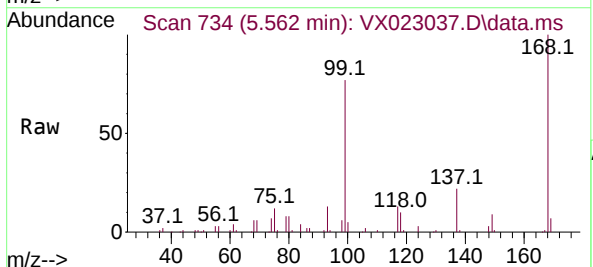
Instrument :
MSVOA_X
ClientSampleId :

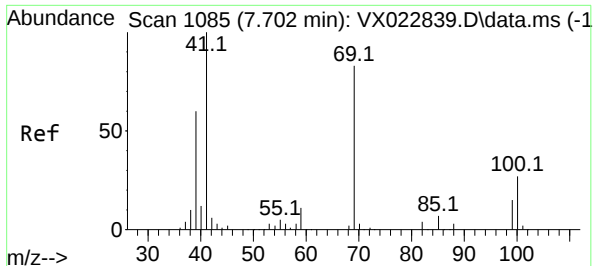
Tgt Ion: 75 Resp: 6071
Ion Ratio Lower Upper
75 100
110 7.0 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.538 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023037.D
Acq: 30 Jun 2021 16:30

Tgt Ion: 117 Resp: 6419
Ion Ratio Lower Upper
117 100
119 6.5 76.2 114.2#
121 0.0 24.8 37.2#





#48

Methyl methacrylate

Concen: 0.265 ug/l

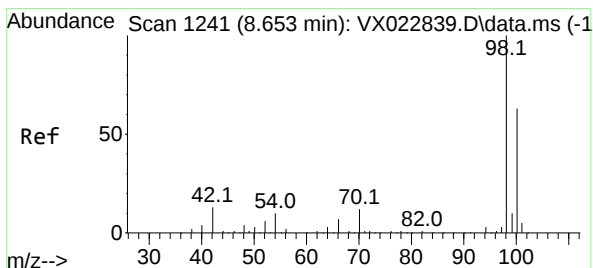
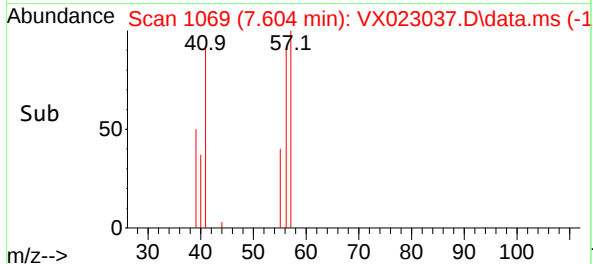
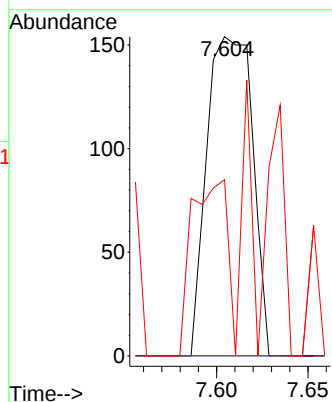
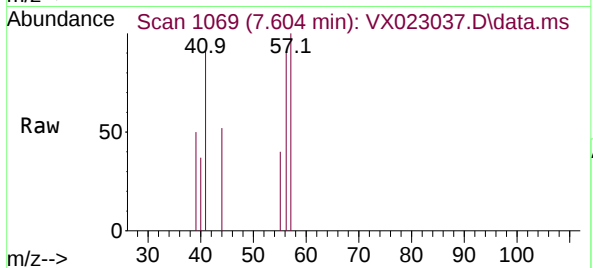
RT: 7.604 min Scan# 1069

Delta R.T. -0.098 min

Lab File: VX023037.D

Acq: 30 Jun 2021 16:30

Tgt Ion:	41	Resp:	267
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	43.1	44.6	67.0#



#50

Toluene-d8

Concen: 49.352 ug/l

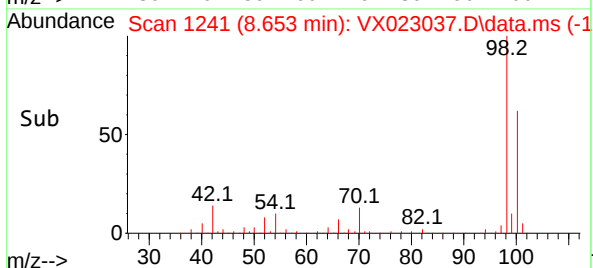
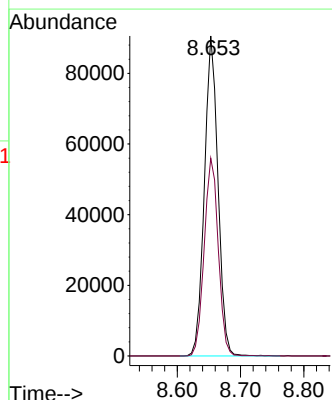
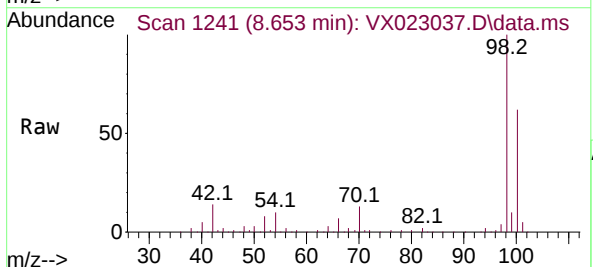
RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

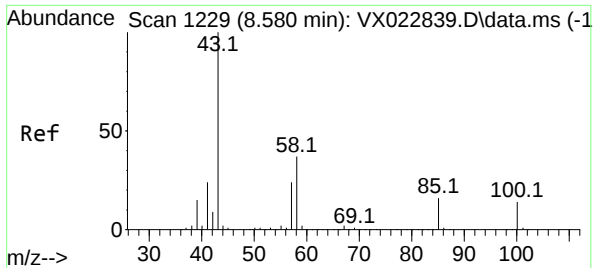
Lab File: VX023037.D

Acq: 30 Jun 2021 16:30

Tgt Ion:	98	Resp:	135351
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.9	77.9



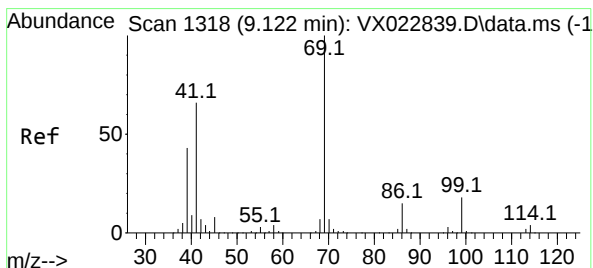
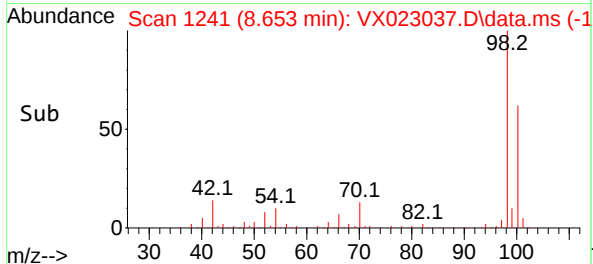
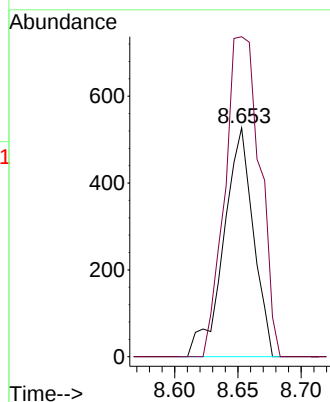
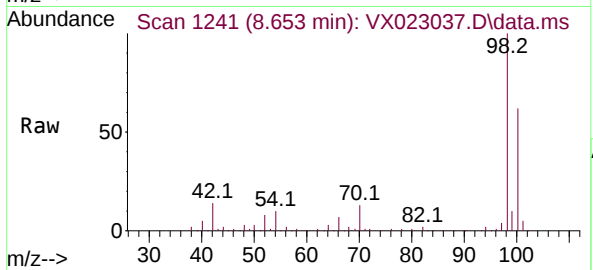
Instrument :
MSVOA_X
ClientSampleId :



#51
4-Methyl-2-Pentanone
Concen: 0.632 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023037.D
Acq: 30 Jun 2021 16:30

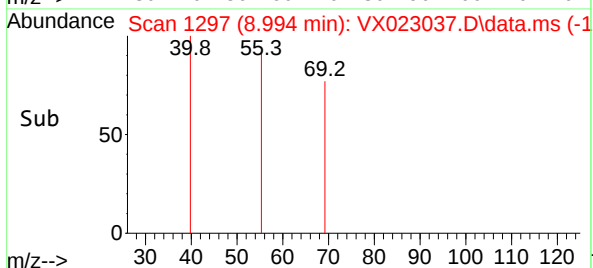
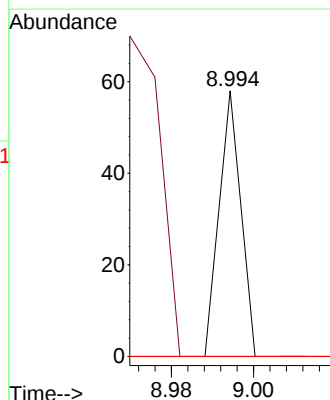
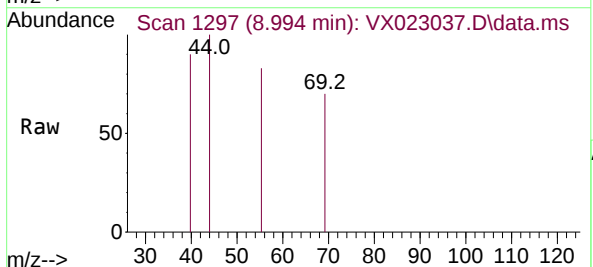
Instrument :
MSVOA_X
ClientSampled :

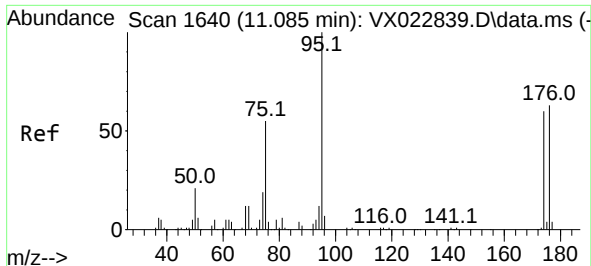
Tgt Ion: 43 Resp: 857
Ion Ratio Lower Upper
43 100
58 165.9 35.4 53.0#



#56
Ethyl methacrylate
Concen: 2.592 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. -0.128 min
Lab File: VX023037.D
Acq: 30 Jun 2021 16:30

Tgt Ion: 69 Resp: 21
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 0.0 24.7 37.1#

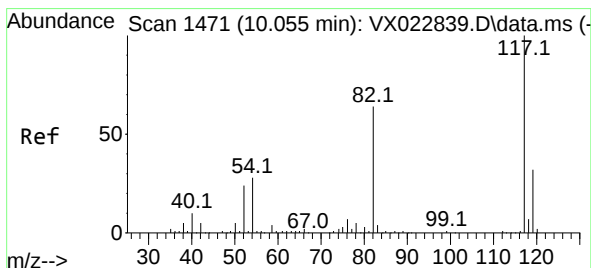
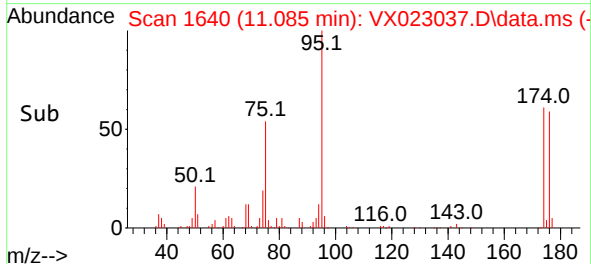
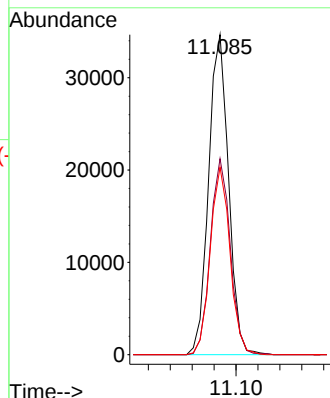
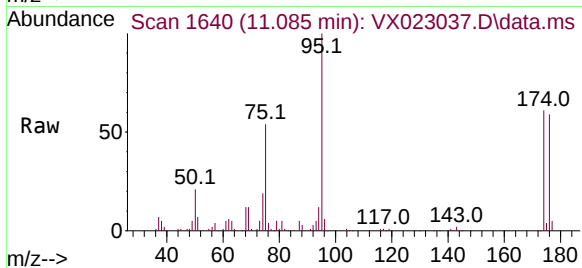




#62
4-Bromofluorobenzene
Concen: 42.719 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023037.D
Acq: 30 Jun 2021 16:30

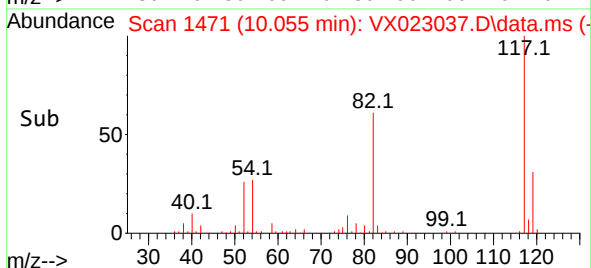
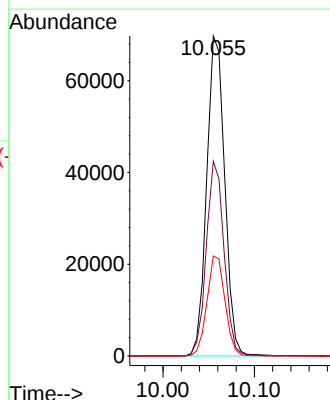
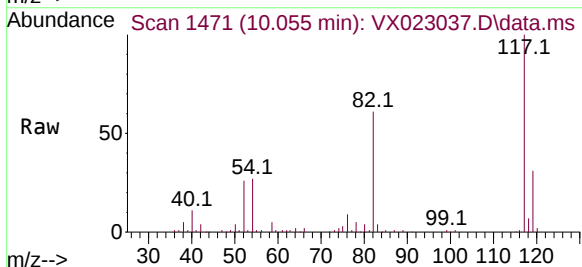
Instrument :
MSVOA_X
ClientSampleId :

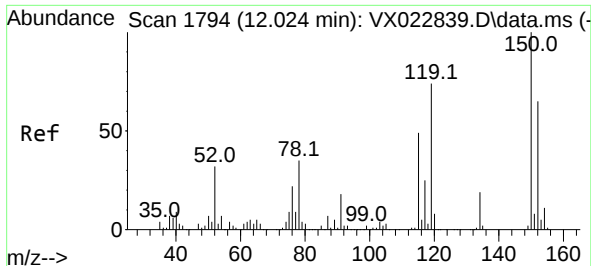
Tgt Ion: 95 Resp: 43725
Ion Ratio Lower Upper
95 100
174 61.3 0.0 154.6
176 58.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023037.D
Acq: 30 Jun 2021 16:30

Tgt Ion: 117 Resp: 95534
Ion Ratio Lower Upper
117 100
82 60.8 47.4 71.2
119 31.3 26.6 39.8

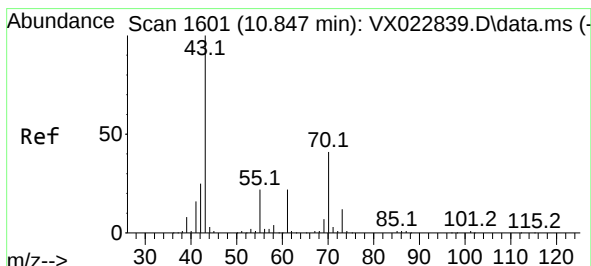
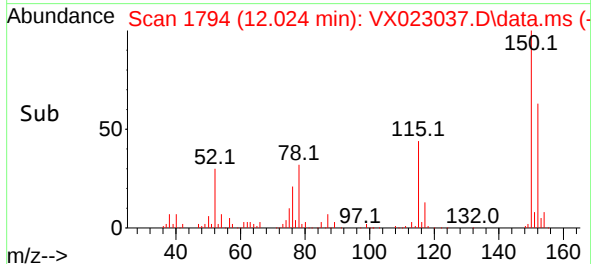
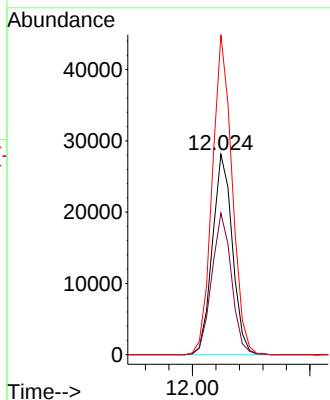
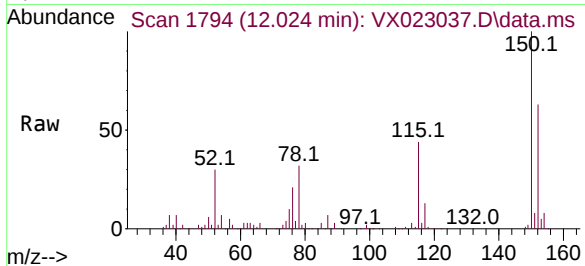




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023037.D
 Acq: 30 Jun 2021 16:30

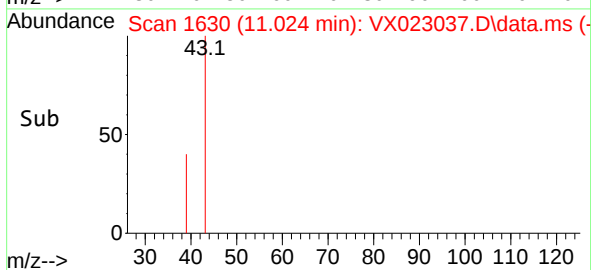
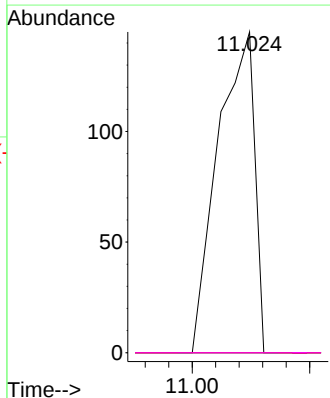
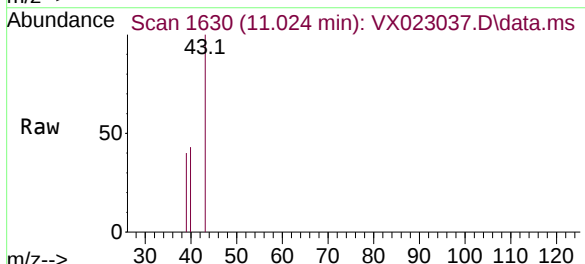
Instrument :
 MSVOA_X
 ClientSampled :

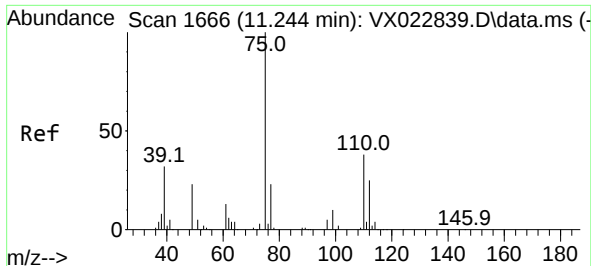
Tgt Ion:152 Resp: 33229
 Ion Ratio Lower Upper
 152 100
 115 69.8 41.1 123.3
 150 158.2 0.0 349.0



#74
 N-ethyl acetate
 Concen: 2.150 ug/l
 RT: 11.024 min Scan# 1630
 Delta R.T. 0.177 min
 Lab File: VX023037.D
 Acq: 30 Jun 2021 16:30

Tgt Ion: 43 Resp: 157
 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#

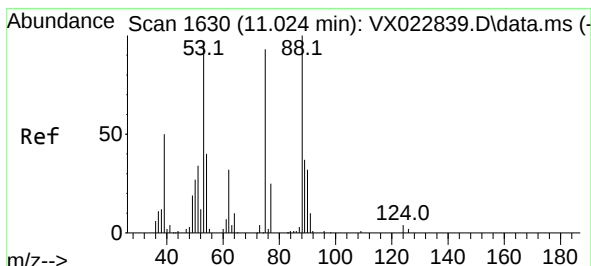
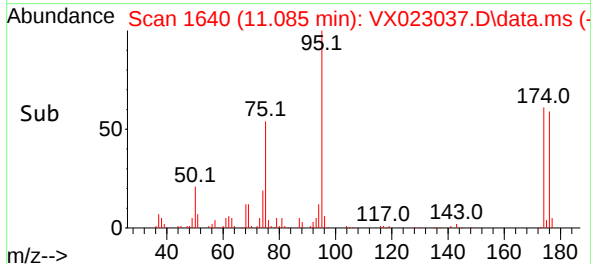
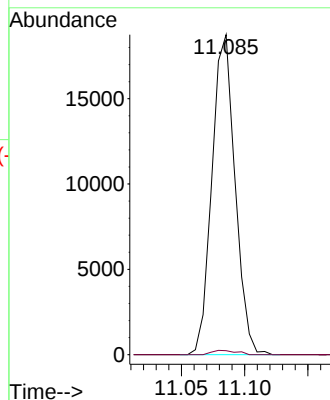
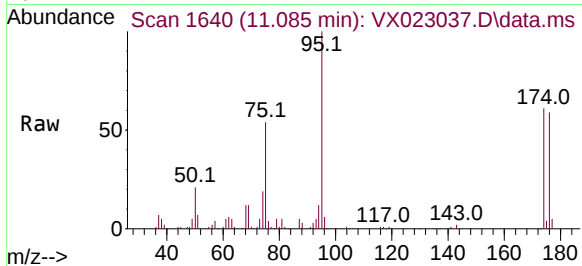




#76
1,2,3-Trichloropropane
Concen: 27.143 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023037.D
Acq: 30 Jun 2021 16:30

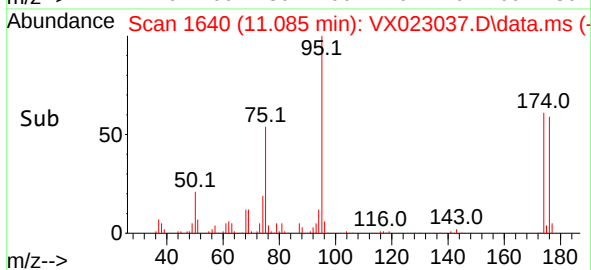
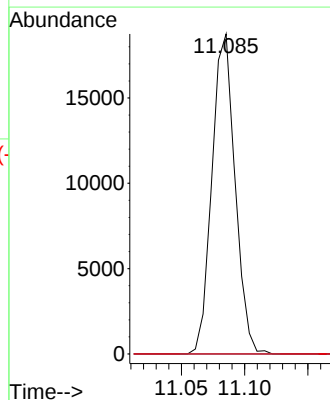
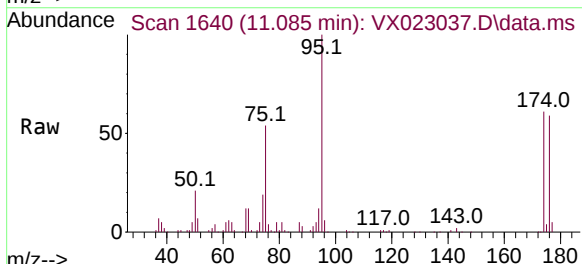
Instrument :
MSVOA_X
ClientSampleId :

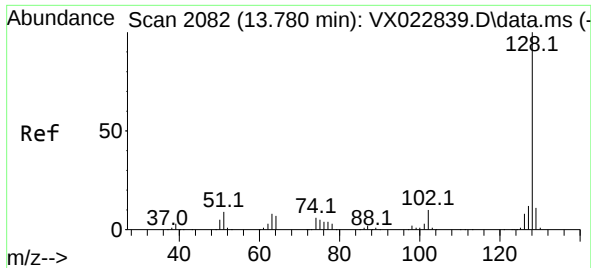
Tgt Ion: 75 Resp: 23824
Ion Ratio Lower Upper
75 100
77 1.5 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.280 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023037.D
Acq: 30 Jun 2021 16:30

Tgt Ion: 75 Resp: 23824
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.940 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX023037.D
Acq: 30 Jun 2021 16:30

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 49
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

