

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063021\
 Data File : VX023036.D
 Acq On : 30 Jun 2021 16:07
 Operator : JC/MD
 Sample : M2892-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 01 03:26:48 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)

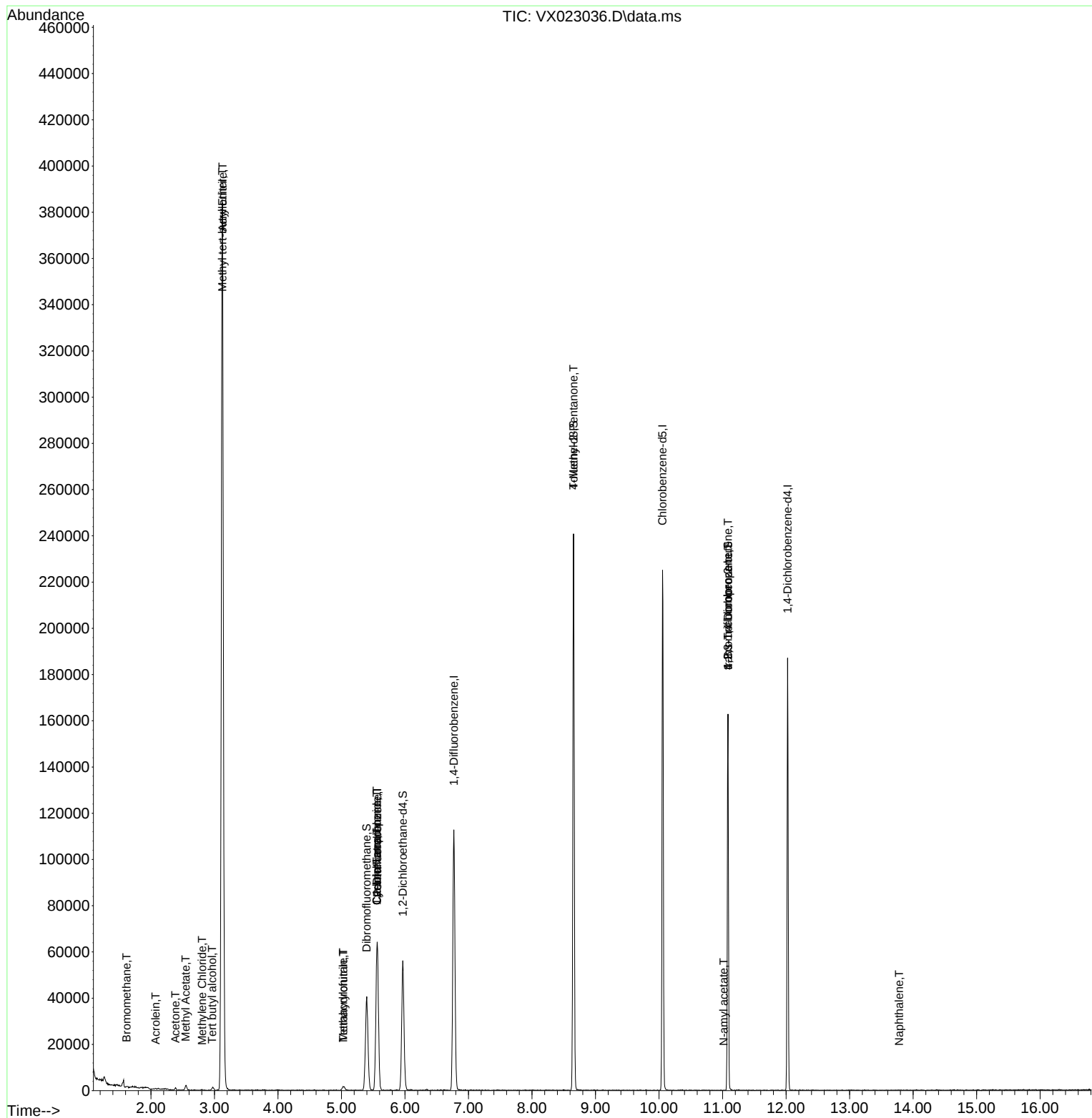
Internal Standards						
1) Pentafluorobenzene	5.562	168	51326	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	106278	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	93948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	32113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	49329	52.959	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.920%	
35) Dibromofluoromethane	5.397	113	33757	50.018	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.040%	
50) Toluene-d8	8.653	98	129369	48.910	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.820%	
62) 4-Bromofluorobenzene	11.085	95	42110	42.658	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 85.320%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	98	0.242	ug/l	# 2
11) Tert butyl alcohol	2.965	59	1260	6.491	ug/l	# 73
13) Acrolein	2.075	56	26	0.215	ug/l	# 1
15) Acrylonitrile	3.130	53	4835	10.895	ug/l	# 28
16) Acetone	2.386	43	688	1.666	ug/l	100
18) Methyl Acetate	2.544	43	606	0.596	ug/l	# 47
19) Methyl tert-butyl Ether	3.123	73	407694	170.737	ug/l	96
20) Methylene Chloride	2.806	84	53	0.437	ug/l	# 10
29) Tetrahydrofuran	5.026	42	1387	3.358	ug/l	# 84
31) Cyclohexane	5.556	56	1612	1.226	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	5472	4.847	ug/l	# 48
38) Carbon Tetrachloride	5.556	117	6907	7.295	ug/l	# 12
41) Methacrylonitrile	5.026	41	922	1.280	ug/l	# 34
51) 4-Methyl-2-Pentanone	8.653	43	710	0.543	ug/l	# 1
74) N-amyl acetate	11.018	43	19	2.067	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	23599	27.821	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	23599	71.872	ug/l	# 12
95) Naphthalene	13.780	128	29	1.933	ug/l	# 69

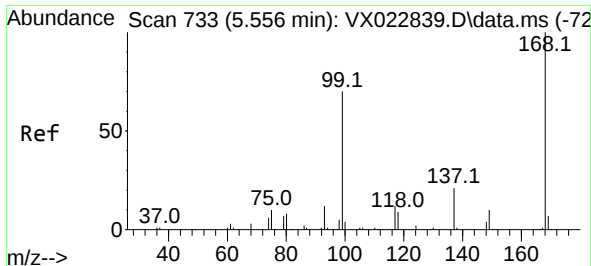
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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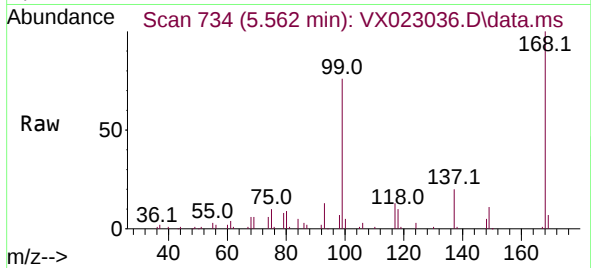
Quant Time: Jul 01 03:26:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 23 19:12:26 2021
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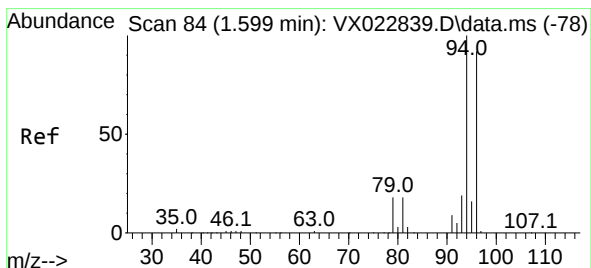
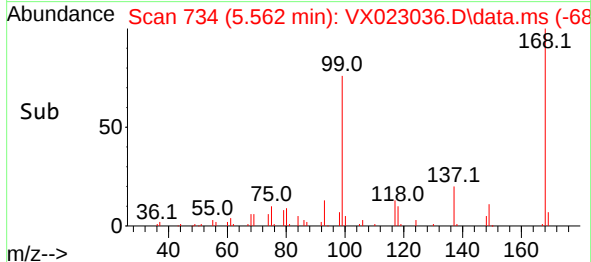
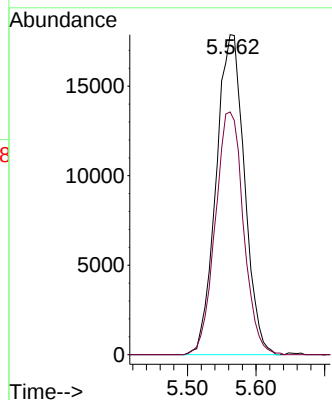


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX023036.D
Acq: 30 Jun 2021 16:07

Instrument :
MSVOA_X
ClientSampled :

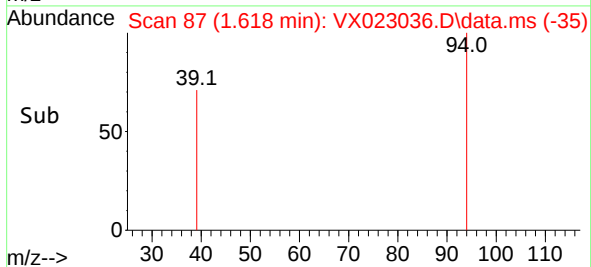
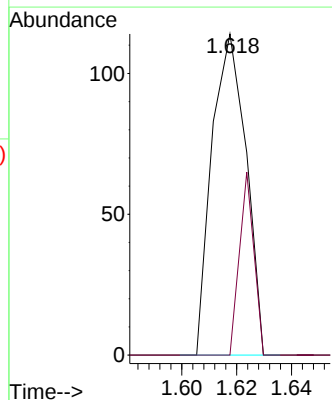
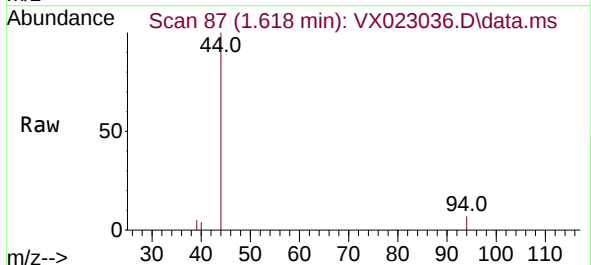


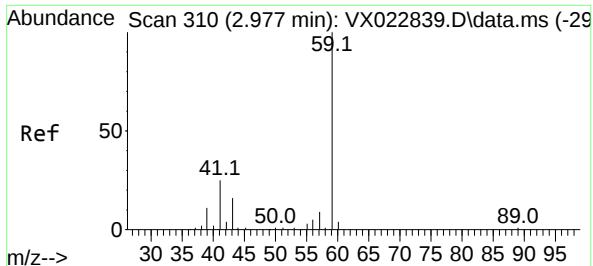
Tgt Ion:168 Resp: 51326
Ion Ratio Lower Upper
168 100
99 75.8 45.8 68.6#



#5
Bromomethane
Concen: 0.242 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023036.D
Acq: 30 Jun 2021 16:07

Tgt Ion: 94 Resp: 98
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



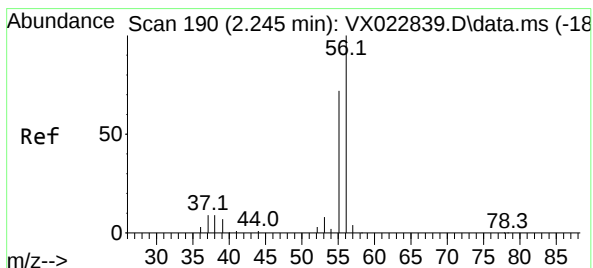
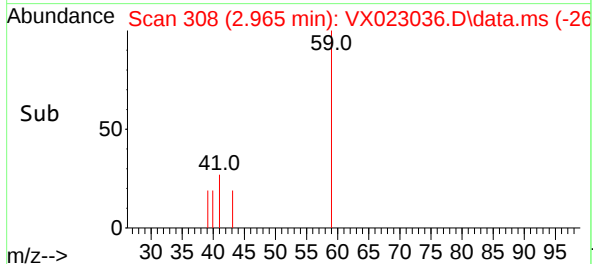
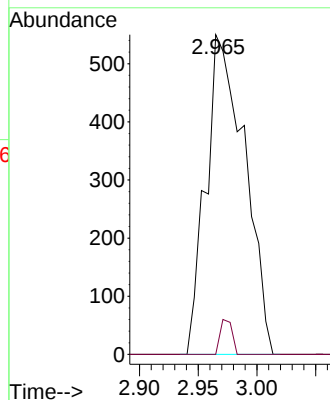
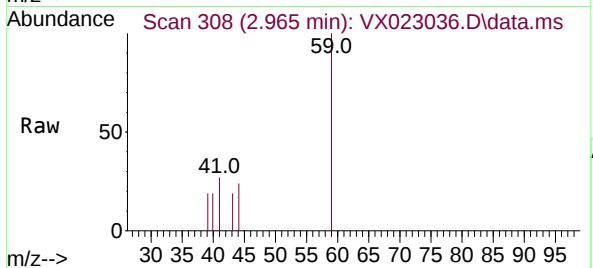


#11

Tert butyl alcohol
Concen: 6.491 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX023036.D
Acq: 30 Jun 2021 16:07

Instrument :
MSVOA_X
ClientSampled :

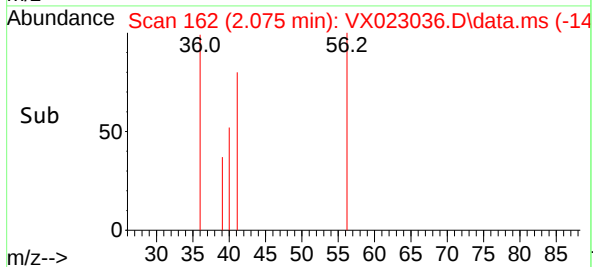
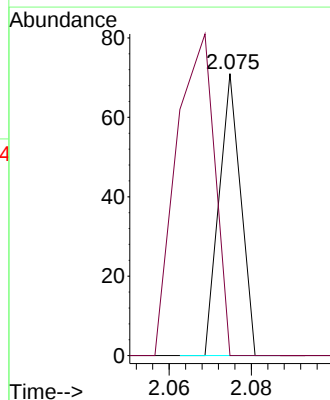
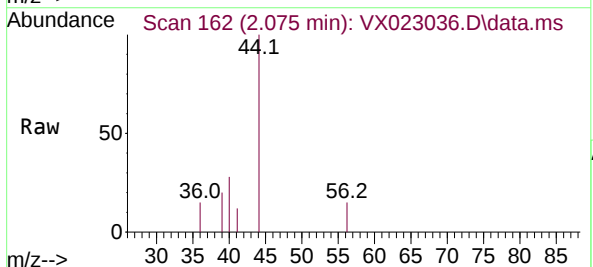
Tgt Ion: 59 Resp: 1260
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

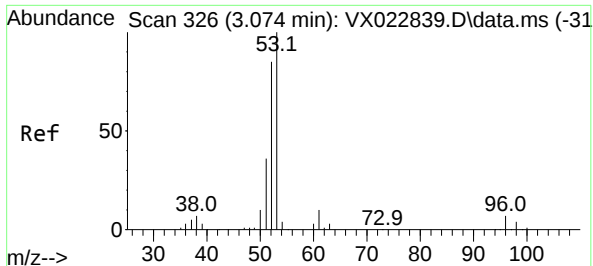


#13

Acrolein
Concen: 0.215 ug/l
RT: 2.075 min Scan# 162
Delta R.T. -0.170 min
Lab File: VX023036.D
Acq: 30 Jun 2021 16:07

Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 200.0 56.4 84.6#

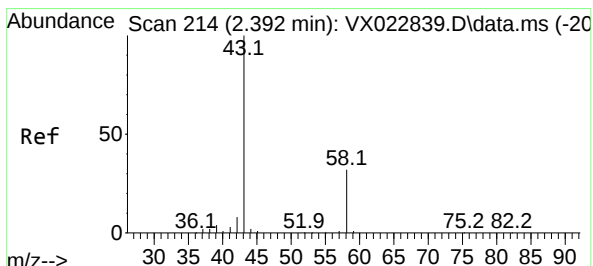
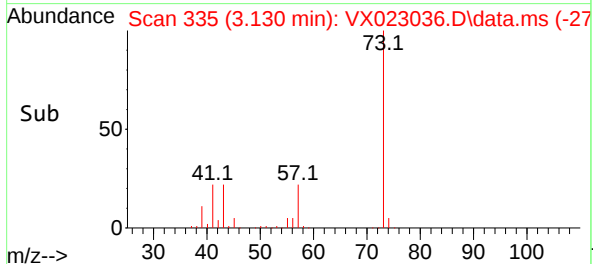
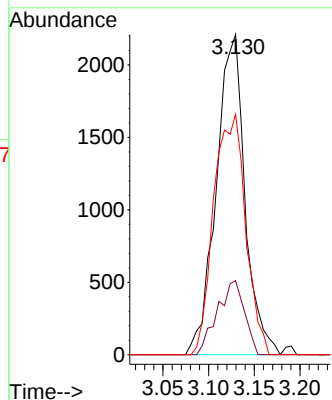
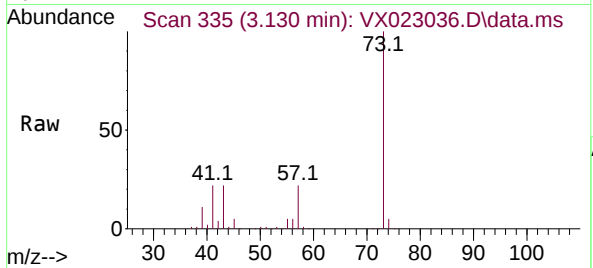




#15
Acrylonitrile
Concen: 10.895 ug/l
RT: 3.130 min Scan# 335
Delta R.T. 0.056 min
Lab File: VX023036.D
Acq: 30 Jun 2021 16:07

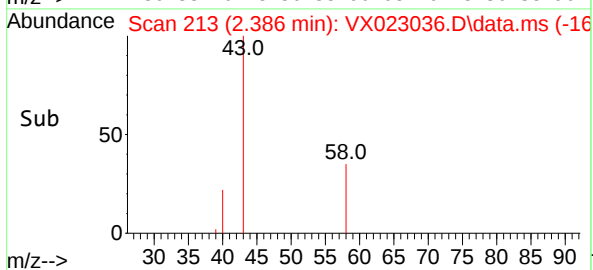
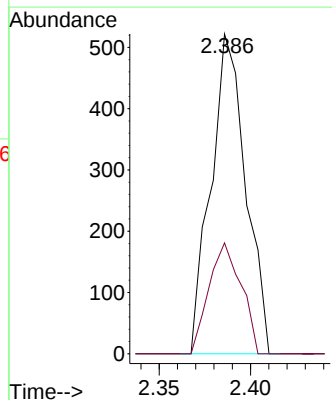
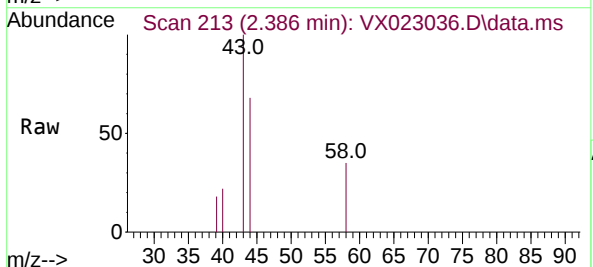
Instrument :
MSVOA_X
ClientSampled :

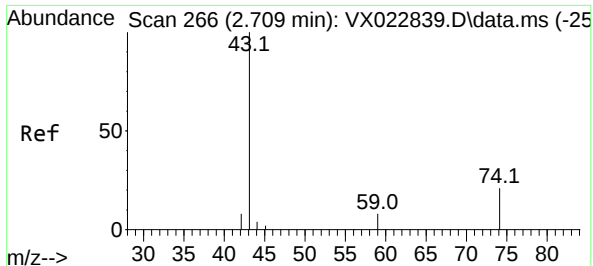
Tgt Ion: 53 Resp: 4835
Ion Ratio Lower Upper
53 100
52 21.8 65.3 97.9#
51 83.0 28.2 42.2#



#16
Acetone
Concen: 1.666 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023036.D
Acq: 30 Jun 2021 16:07

Tgt Ion: 43 Resp: 688
Ion Ratio Lower Upper
43 100
58 34.7 27.8 41.8





#18

Methyl Acetate

Concen: 0.596 ug/l

RT: 2.544 min Scan# 239

Delta R.T. -0.165 min

Lab File: VX023036.D

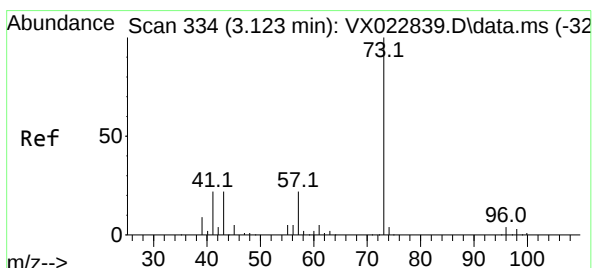
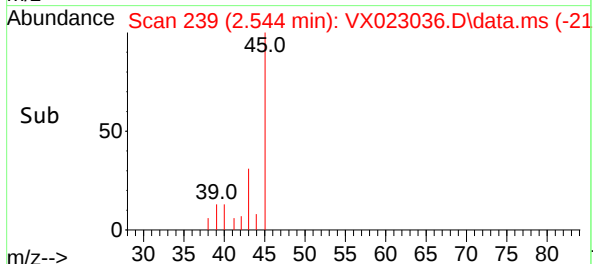
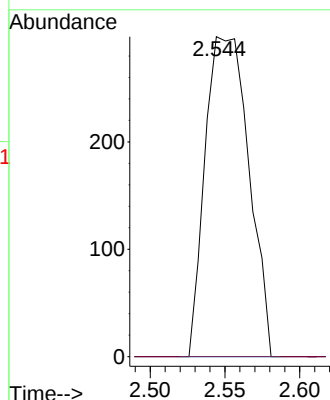
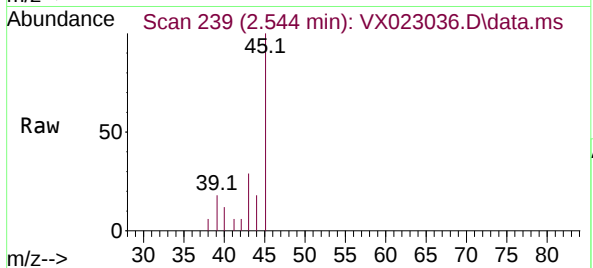
Acq: 30 Jun 2021 16:07

Tgt Ion: 43 Resp: 606

Ion Ratio Lower Upper

43 100

74 0.0 21.9 32.9#



#19

Methyl tert-butyl Ether

Concen: 170.737 ug/l

RT: 3.123 min Scan# 334

Delta R.T. 0.000 min

Lab File: VX023036.D

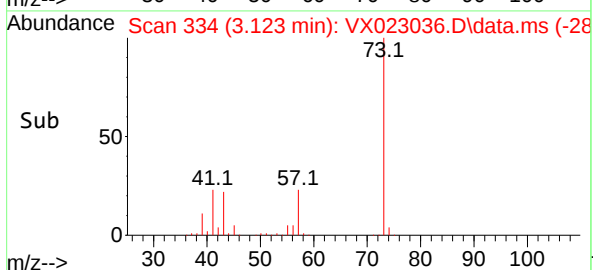
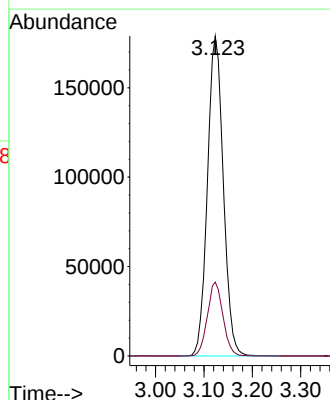
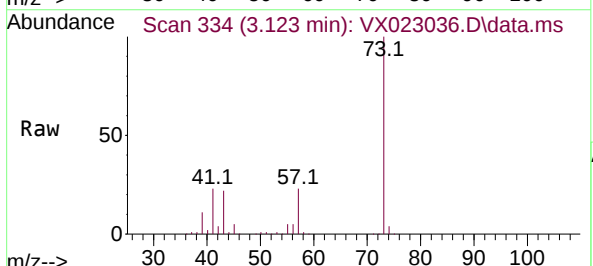
Acq: 30 Jun 2021 16:07

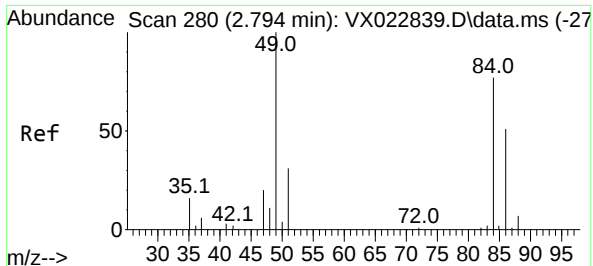
Tgt Ion: 73 Resp: 407694

Ion Ratio Lower Upper

73 100

57 23.1 17.1 25.7





#20

Methylene Chloride

Concen: 0.437 ug/l

RT: 2.806 min Scan# 282

Delta R.T. 0.012 min

Lab File: VX023036.D

Acq: 30 Jun 2021 16:07

Tgt Ion: 84 Resp: 53

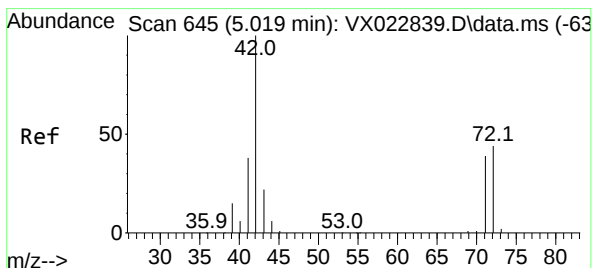
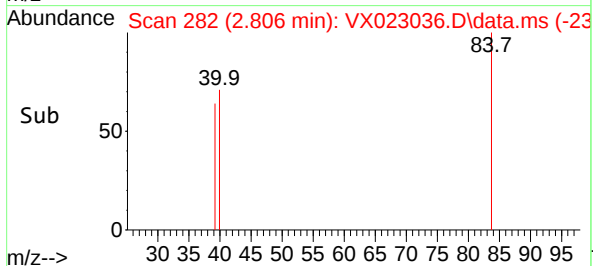
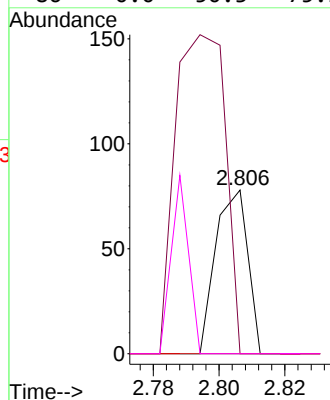
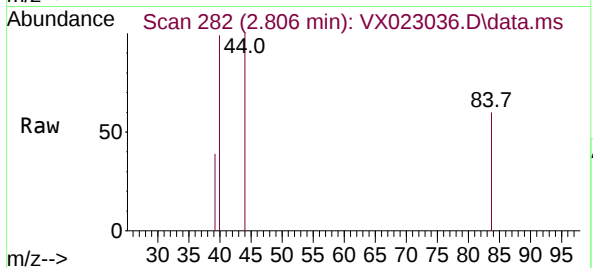
Ion Ratio Lower Upper

84 100

49 0.0 88.6 132.8#

51 0.0 27.0 40.6#

86 0.0 50.3 75.5#



#29

Tetrahydrofuran

Concen: 3.358 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.006 min

Lab File: VX023036.D

Acq: 30 Jun 2021 16:07

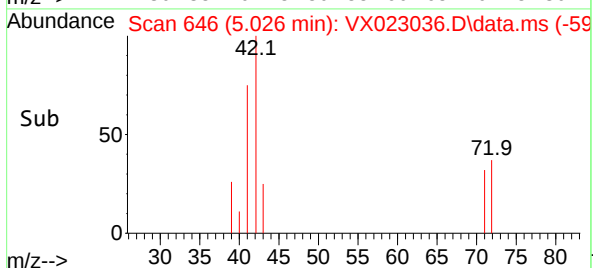
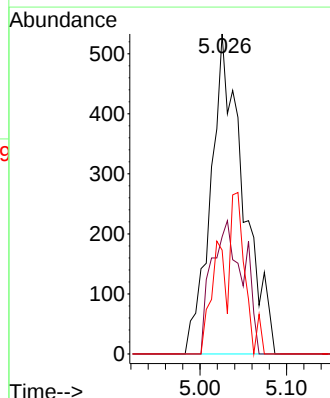
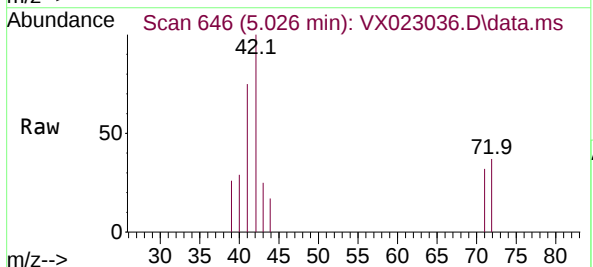
Tgt Ion: 42 Resp: 1387

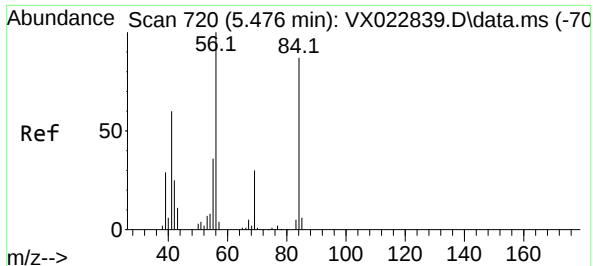
Ion Ratio Lower Upper

42 100

72 40.6 41.7 62.5#

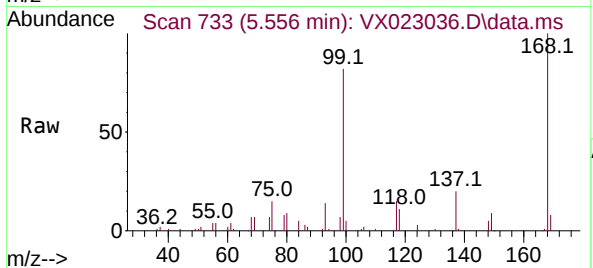
71 37.9 38.4 57.6#



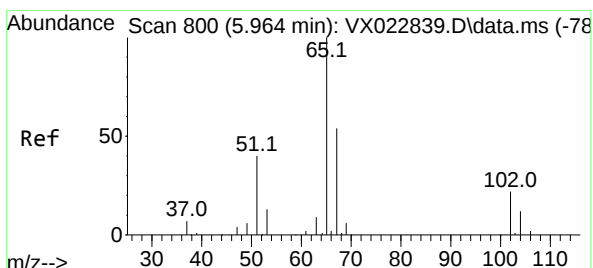
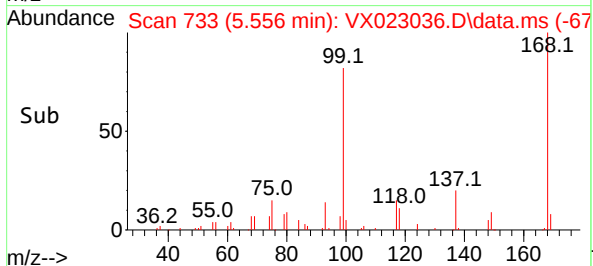
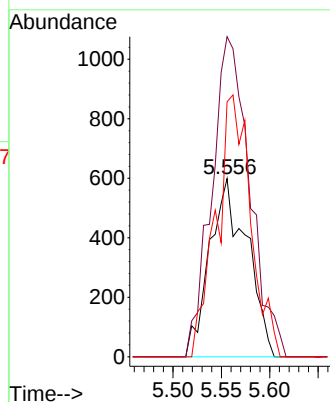


#31
Cyclohexane
Concen: 1.226 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.080 min
Lab File: VX023036.D
Acq: 30 Jun 2021 16:07

Instrument :
MSVOA_X
ClientSampled :

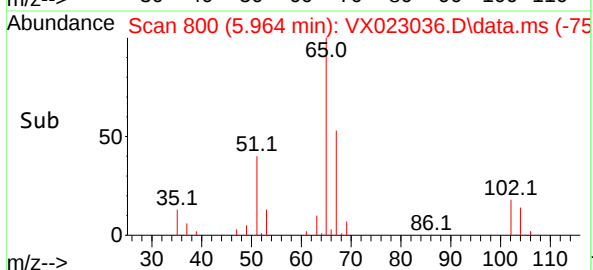
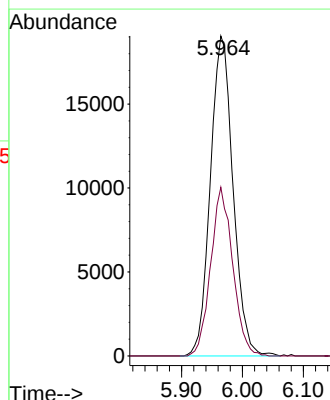
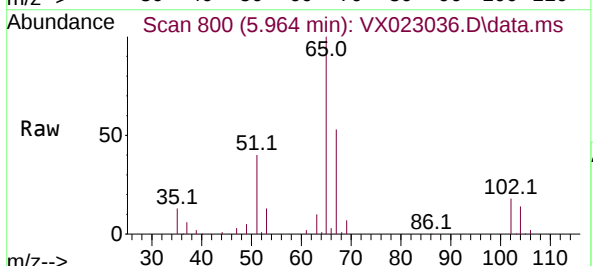


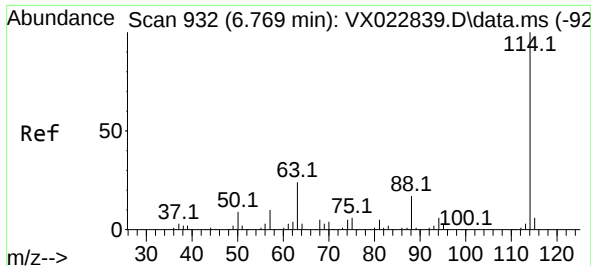
Tgt Ion: 56 Resp: 1612
Ion Ratio Lower Upper
56 100
69 179.6 25.3 37.9#
84 143.1 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 52.959 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023036.D
Acq: 30 Jun 2021 16:07

Tgt Ion: 65 Resp: 49329
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.4

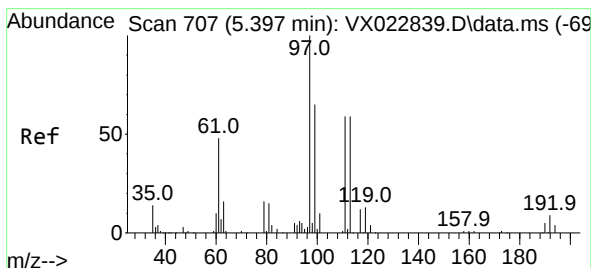
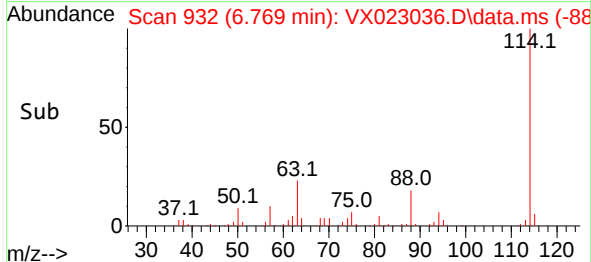
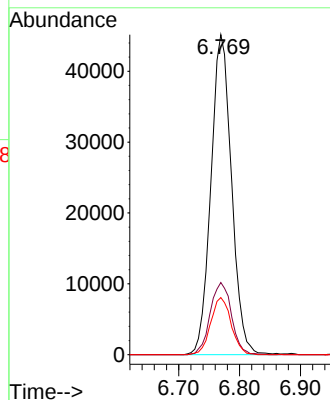
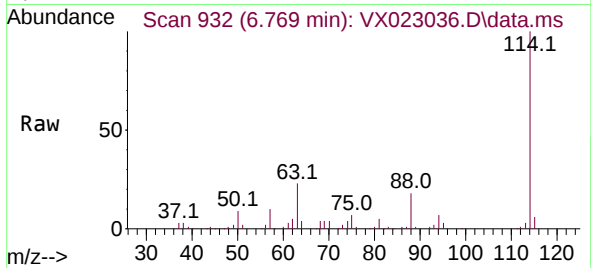




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023036.D
Acq: 30 Jun 2021 16:07

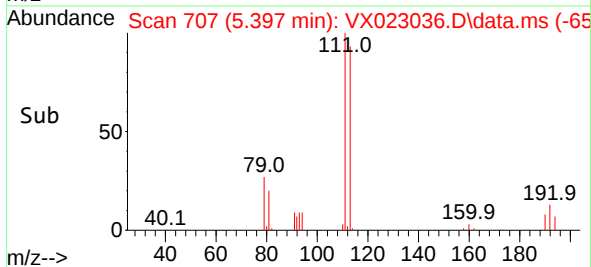
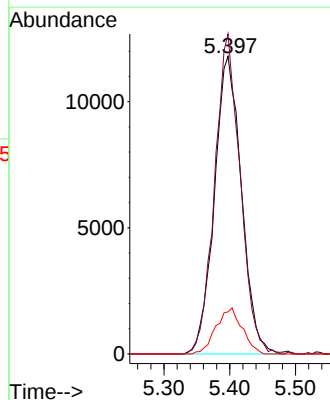
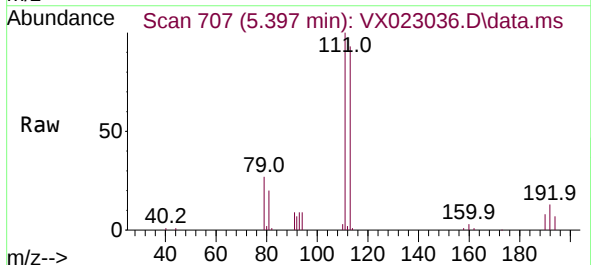
Instrument :
MSVOA_X
ClientSampled :

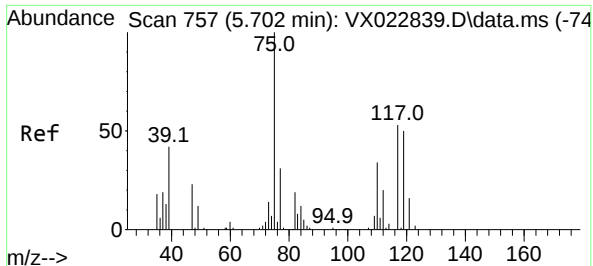
Tgt Ion:114 Resp: 106278
Ion Ratio Lower Upper
114 100
63 22.5 0.0 40.8
88 17.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.018 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023036.D
Acq: 30 Jun 2021 16:07

Tgt Ion:113 Resp: 33757
Ion Ratio Lower Upper
113 100
111 101.7 81.9 122.9
192 15.0 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 4.847 ug/l

RT: 5.556 min Scan# 733

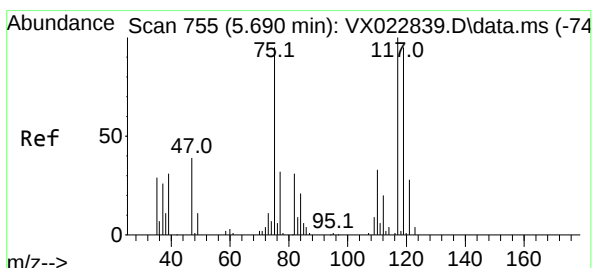
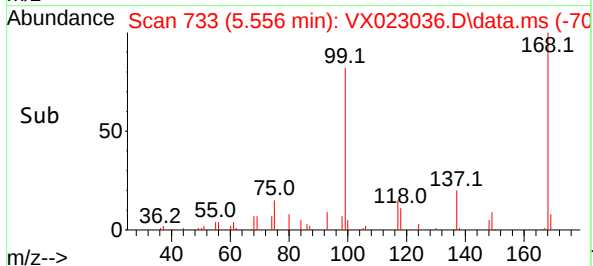
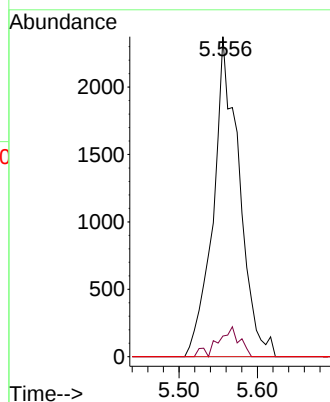
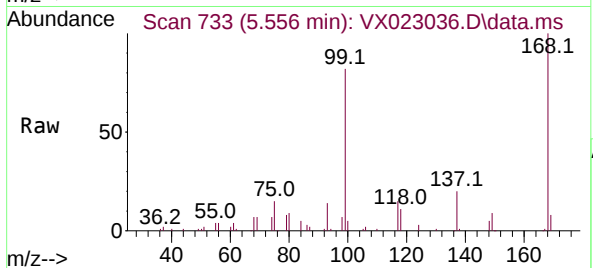
Delta R.T. -0.146 min

Lab File: VX023036.D

Acq: 30 Jun 2021 16:07

Tgt Ion: 75	Resp: 5472
Ion Ratio	Lower Upper
75 100	
110 7.9	18.1 54.4#
77 0.0	25.3 37.9#

Instrument :
MSVOA_X
ClientSampled :



#38

Carbon Tetrachloride

Concen: 7.295 ug/l

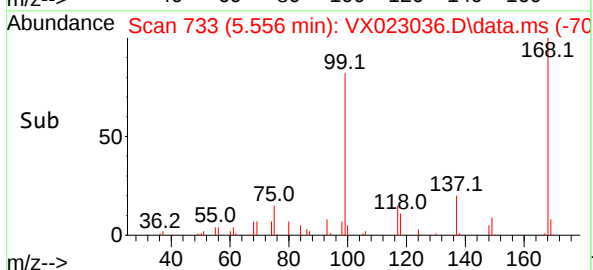
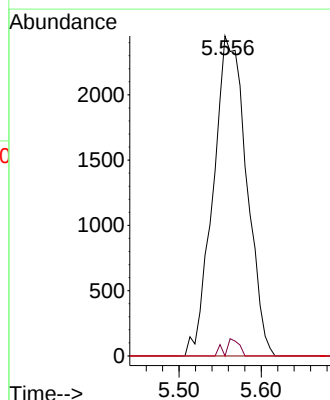
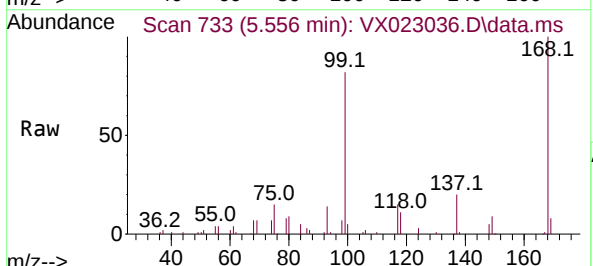
RT: 5.556 min Scan# 733

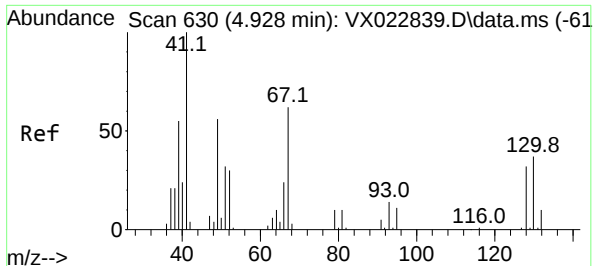
Delta R.T. -0.134 min

Lab File: VX023036.D

Acq: 30 Jun 2021 16:07

Tgt Ion: 117	Resp: 6907
Ion Ratio	Lower Upper
117 100	
119 0.0	76.2 114.2#
121 0.0	24.8 37.2#

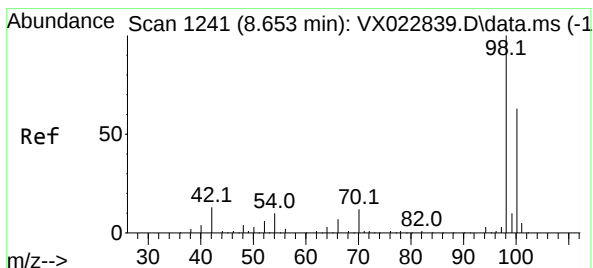
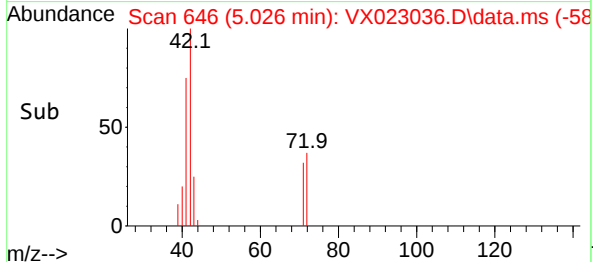
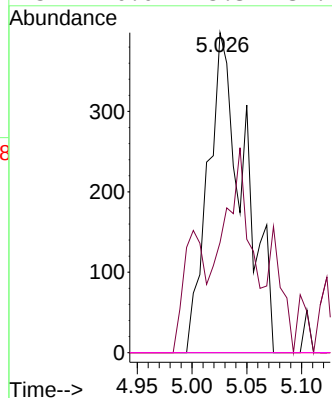
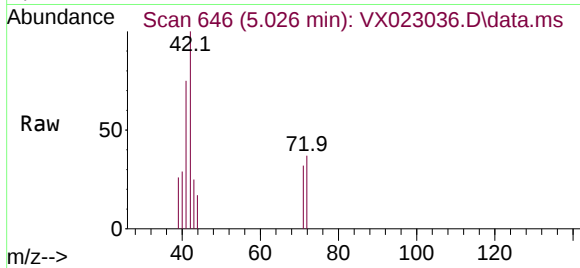




#41
Methacrylonitrile
Concen: 1.280 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.098 min
Lab File: VX023036.D
Acq: 30 Jun 2021 16:07

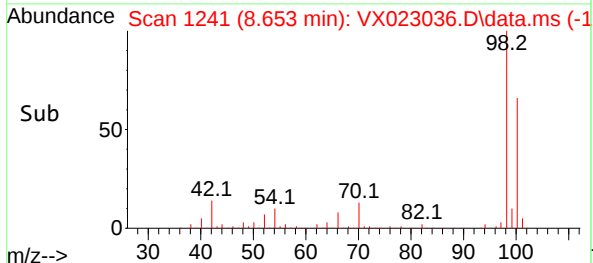
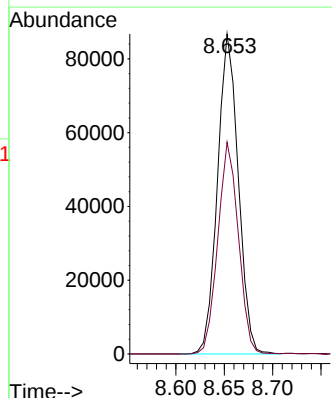
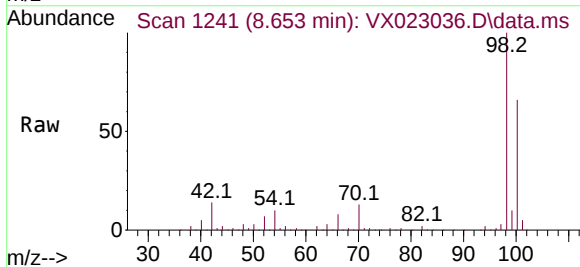
Instrument :
MSVOA_X
ClientSampled :

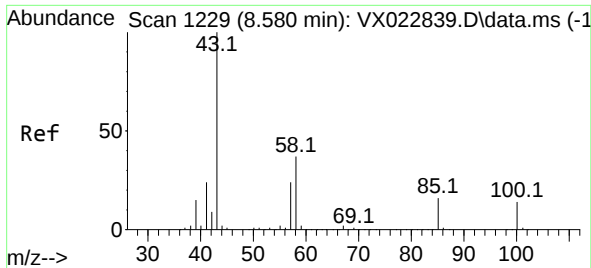
Tgt Ion: 41	Resp: 922
Ion Ratio	Lower Upper
41 100	
39 29.5	42.5 63.7#
67 0.0	65.0 97.6#
52 0.0	25.3 37.9#



#50
Toluene-d8
Concen: 48.910 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023036.D
Acq: 30 Jun 2021 16:07

Tgt Ion: 98	Resp: 129369
Ion Ratio	Lower Upper
98 100	
100 65.4	51.9 77.9

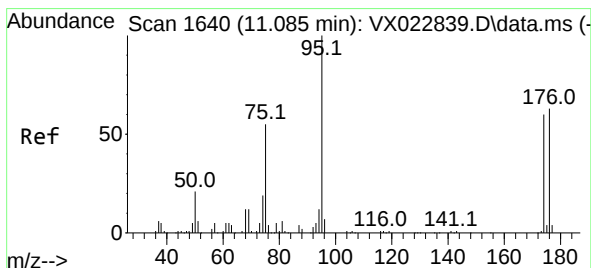
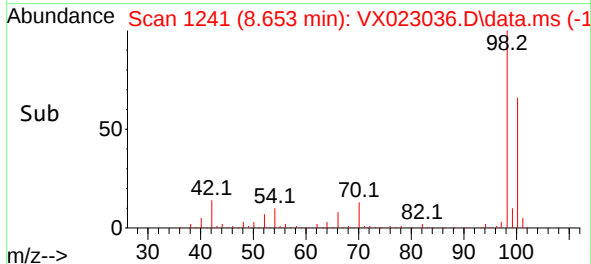
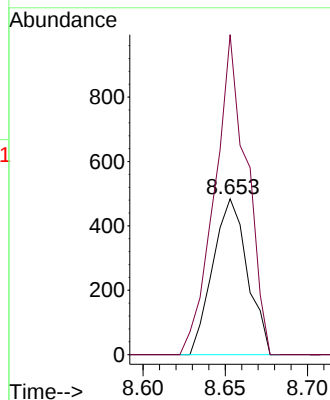
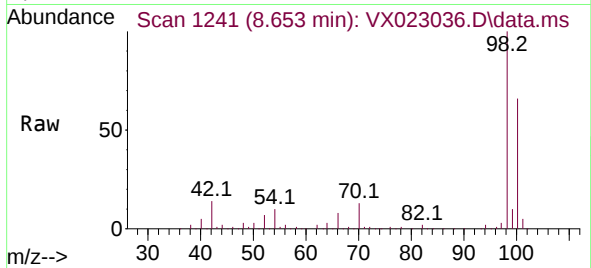




#51
4-Methyl-2-Pentanone
Concen: 0.543 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023036.D
Acq: 30 Jun 2021 16:07

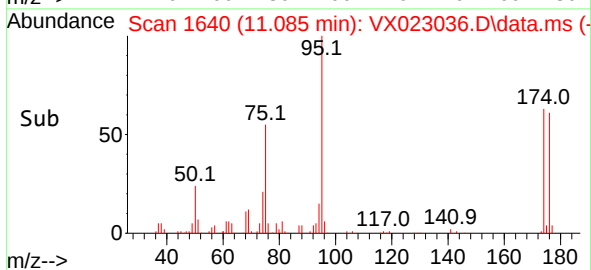
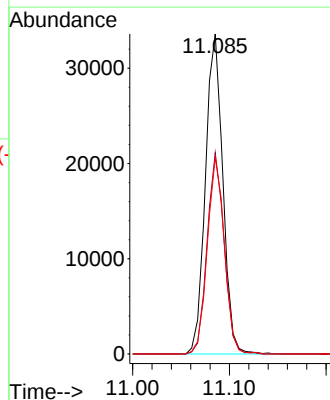
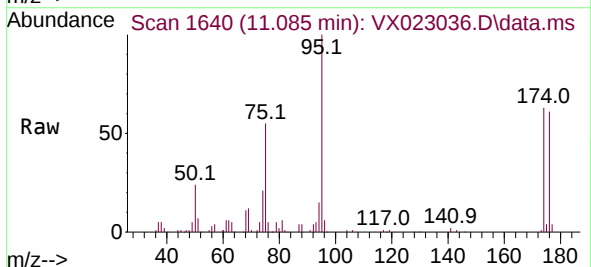
Instrument :
MSVOA_X
ClientSampled :

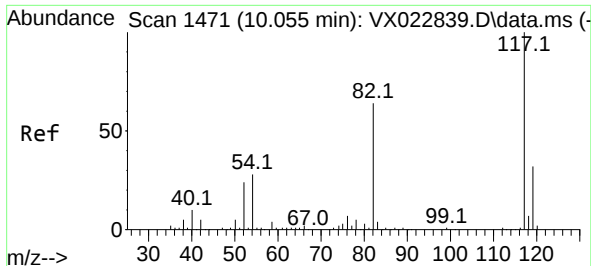
Tgt Ion: 43 Resp: 710
Ion Ratio Lower Upper
43 100
58 190.7 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 42.658 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023036.D
Acq: 30 Jun 2021 16:07

Tgt Ion: 95 Resp: 42110
Ion Ratio Lower Upper
95 100
174 61.4 0.0 154.6
176 60.2 0.0 155.8

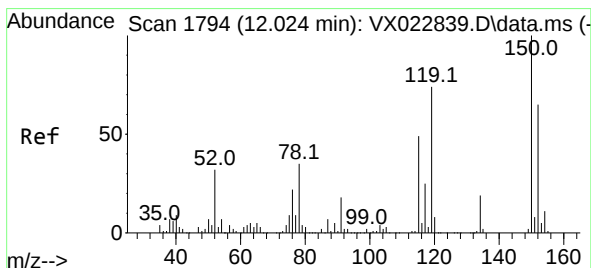
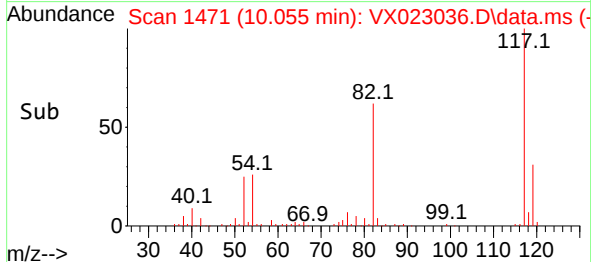
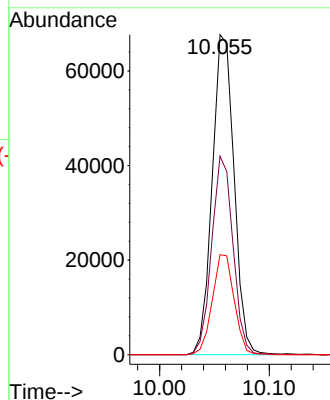
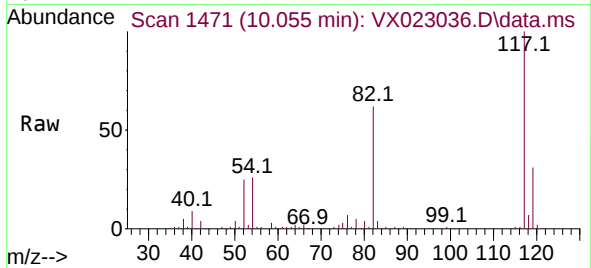




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023036.D
Acq: 30 Jun 2021 16:07

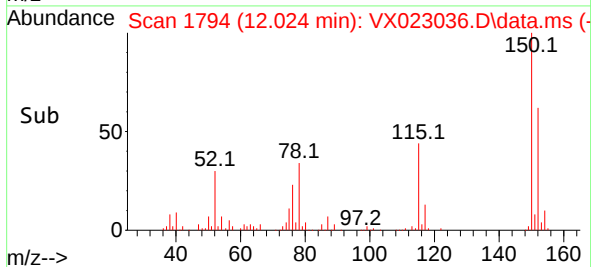
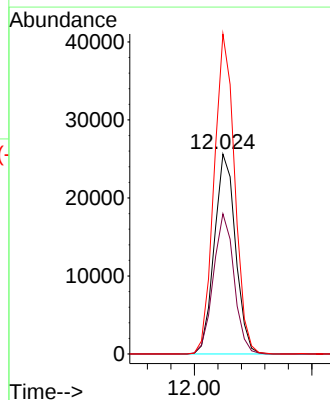
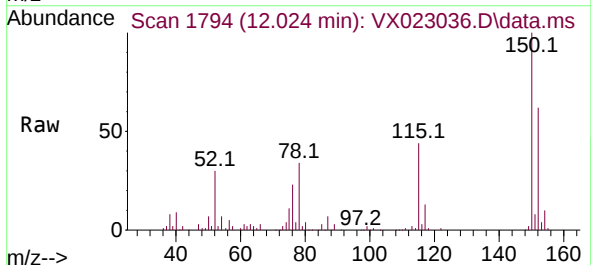
Instrument :
MSVOA_X
ClientSampled :

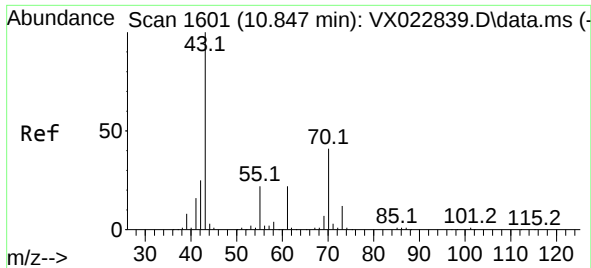
Tgt Ion:117 Resp: 93948
Ion Ratio Lower Upper
117 100
82 62.0 47.4 71.2
119 31.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023036.D
Acq: 30 Jun 2021 16:07

Tgt Ion:152 Resp: 32113
Ion Ratio Lower Upper
152 100
115 68.4 41.1 123.3
150 155.1 0.0 349.0

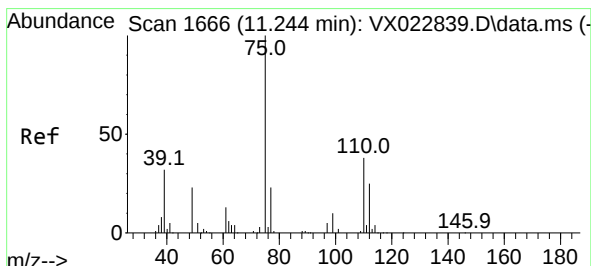
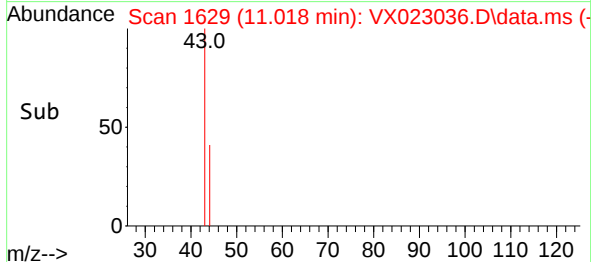
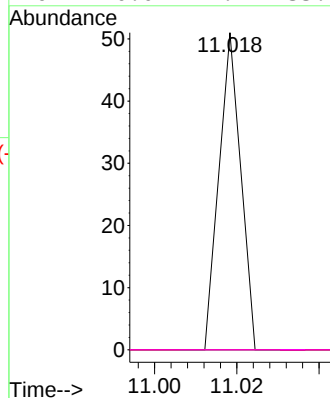
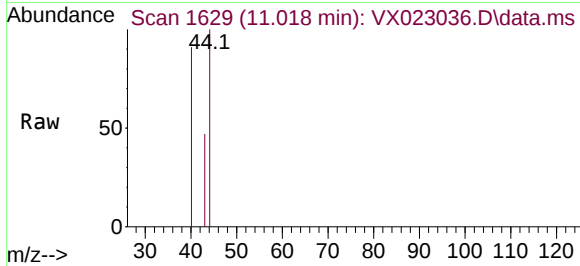




#74
N-amy1 acetate
Concen: 2.067 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.171 min
Lab File: VX023036.D
Acq: 30 Jun 2021 16:07

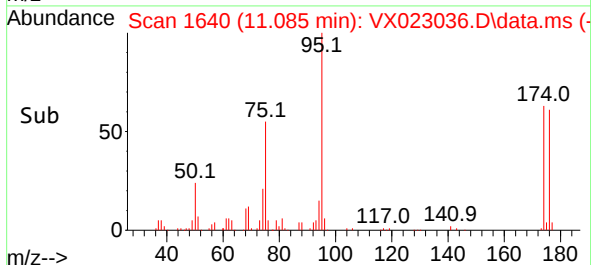
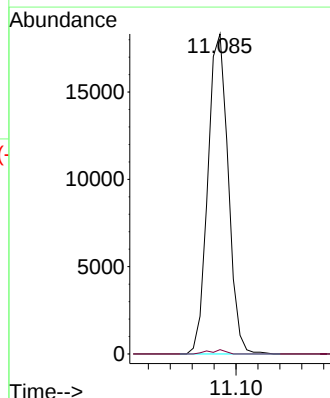
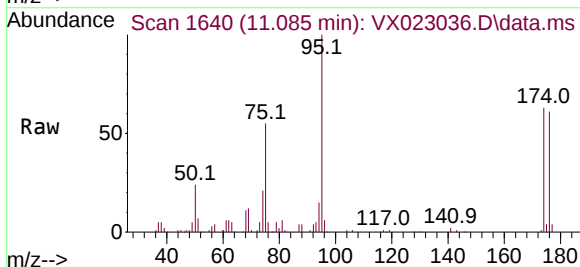
Instrument :
MSVOA_X
ClientSampled :

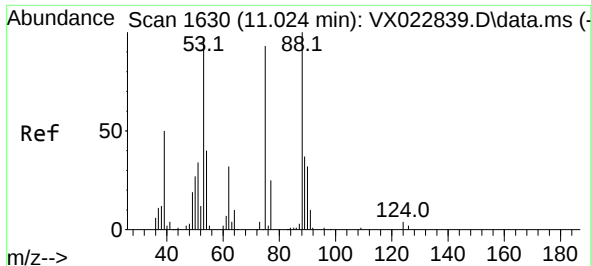
Tgt Ion: 43	Resp: 19
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.6#
55	0.0 21.5 32.3#
61	0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 27.821 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023036.D
Acq: 30 Jun 2021 16:07

Tgt Ion: 75	Resp: 23599
Ion Ratio	Lower Upper
75	100
77	1.1 19.1 57.5#

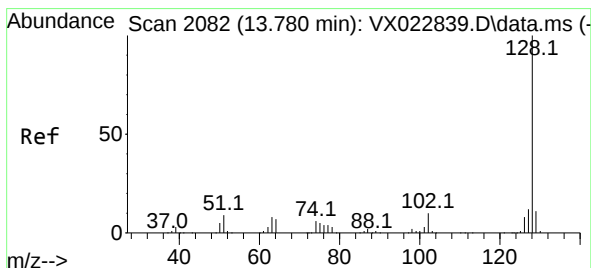
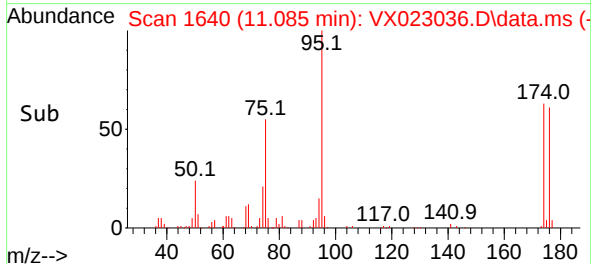
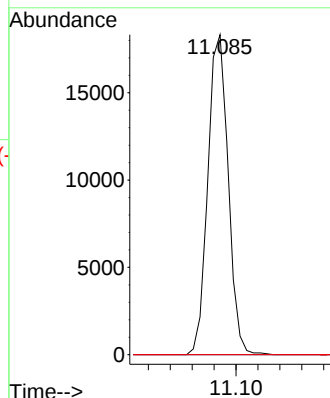
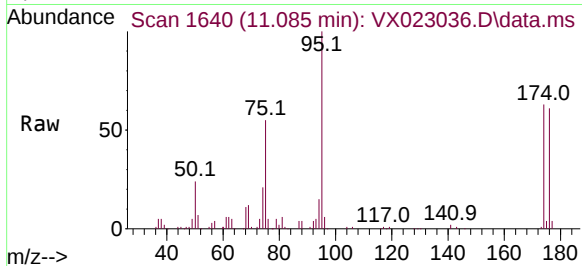




#81
trans-1,4-Dichloro-2-butene
Concen: 71.872 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023036.D
Acq: 30 Jun 2021 16:07

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 23599
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.933 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023036.D
Acq: 30 Jun 2021 16:07

Tgt Ion:128 Resp: 29
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

