

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062521\
 Data File : VX022963.D
 Acq On : 26 Jun 2021 08:08
 Operator : JC/MD
 Sample : M2832-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 01:10:55 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)

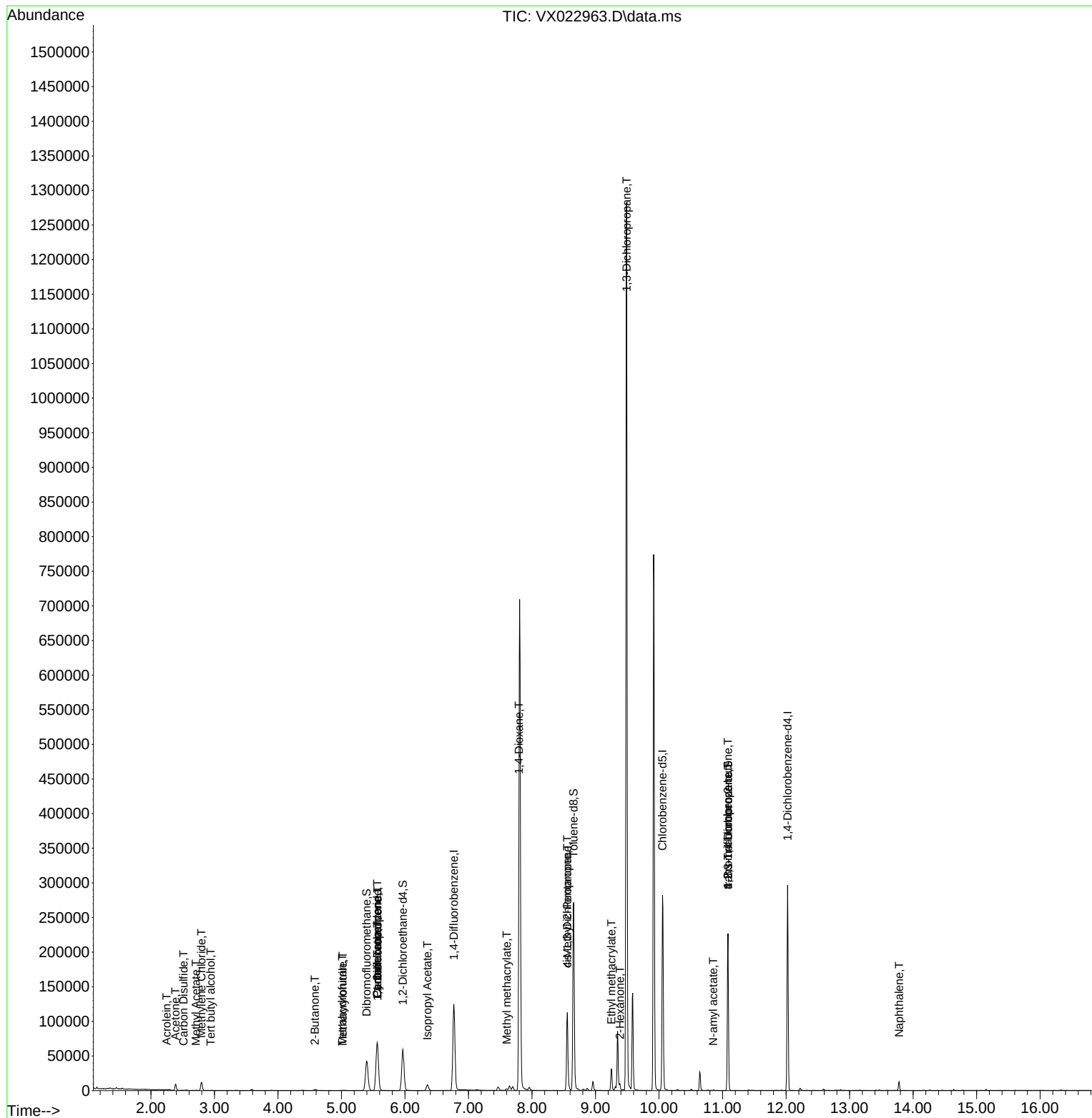
Internal Standards						
1) Pentafluorobenzene	5.562	168	57122	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	118845	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	50879	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	53771	51.870	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.740%	
35) Dibromofluoromethane	5.397	113	36500	48.364	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.720%	
50) Toluene-d8	8.653	98	150561	50.903	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.800%	
62) 4-Bromofluorobenzene	11.085	95	57385	51.985	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.980%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	323	1.495	ug/l	# 73
13) Acrolein	2.245	56	94	0.700	ug/l	# 1
16) Acetone	2.386	43	9598	20.885	ug/l	92
17) Carbon Disulfide	2.514	76	244	3.628	ug/l	# 75
18) Methyl Acetate	2.709	43	527	0.466	ug/l	# 47
20) Methylene Chloride	2.794	84	5046	5.867	ug/l	# 83
25) 2-Butanone	4.580	43	1639	2.293	ug/l	# 65
29) Tetrahydrofuran	5.013	42	209	0.455	ug/l	# 48
31) Cyclohexane	5.562	56	1823	1.246	ug/l	# 33
36) 1,1-Dichloropropene	5.568	75	6363	5.041	ug/l	# 45
38) Carbon Tetrachloride	5.562	117	6971	6.584	ug/l	# 16
41) Methacrylonitrile	5.019	41	291	0.361	ug/l	# 40
43) Isopropyl Acetate	6.354	43	11749	4.998	ug/l	# 91
48) Methyl methacrylate	7.604	41	3805	3.497	ug/l	# 10
49) 1,4-Dioxane	7.793	88	18	0.769	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.555	43	39811	27.210	ug/l	# 42
54) cis-1,3-Dichloropropene	8.555	75	17110	12.748	ug/l	# 68
56) Ethyl methacrylate	9.250	69	140	2.661	ug/l	# 1
57) 1,3-Dichloropropane	9.488	76	9970	6.213	ug/l	# 42
59) 2-Hexanone	9.384	43	4581	4.127	ug/l	# 19
74) N-amyl acetate	10.854	43	221	2.142	ug/l	# 65
76) 1,2,3-Trichloropropane	11.085	75	32834	24.432	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	32834	63.909	ug/l	# 12
95) Naphthalene	13.780	128	7386	3.635	ug/l	99

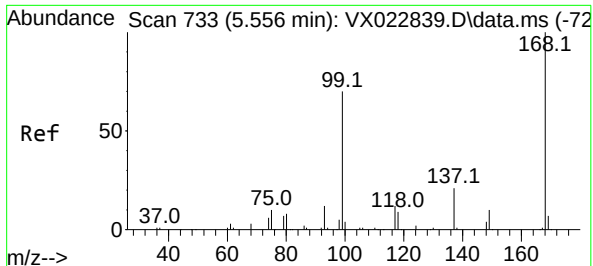
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 56 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

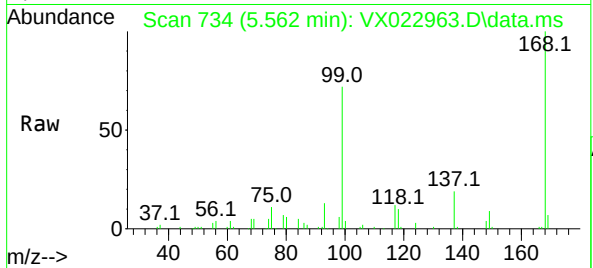
Quant Time: Jun 28 01:10:55 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 23 19:12:26 2021
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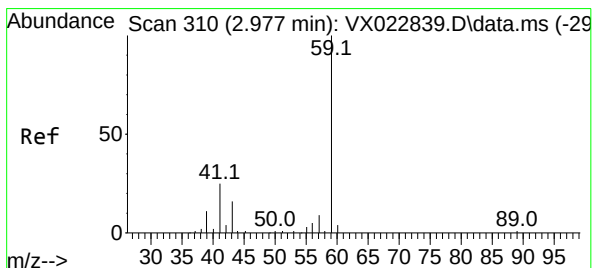
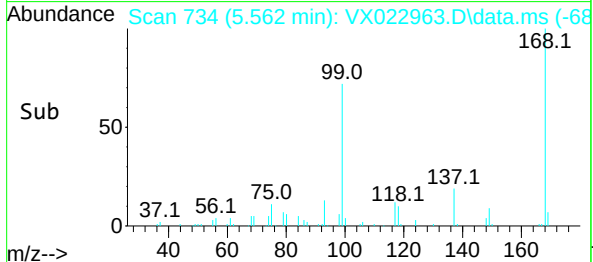
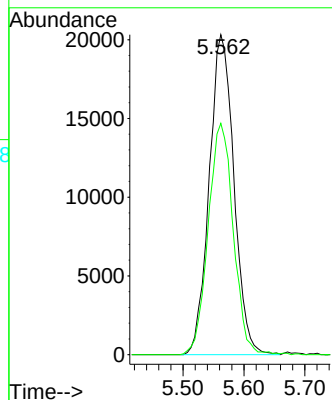


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022963.D
Acq: 26 Jun 2021 08:08

Instrument :
MSVOA_X
ClientSampled :

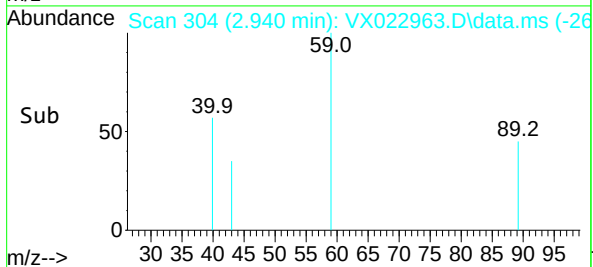
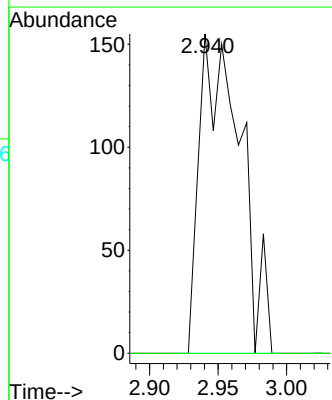
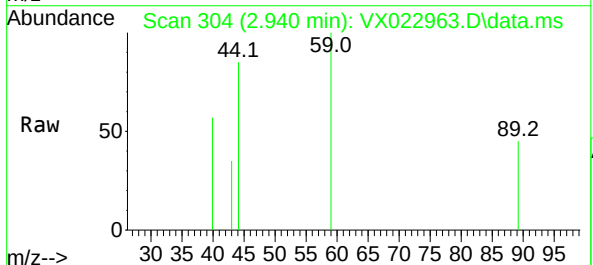


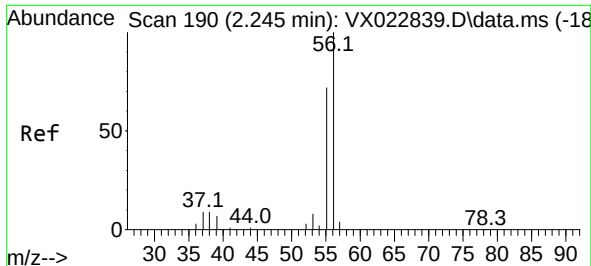
Tgt Ion:168 Resp: 57122
Ion Ratio Lower Upper
168 100
99 72.3 45.8 68.6#



#11
Tert butyl alcohol
Concen: 1.495 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX022963.D
Acq: 26 Jun 2021 08:08

Tgt Ion: 59 Resp: 323
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

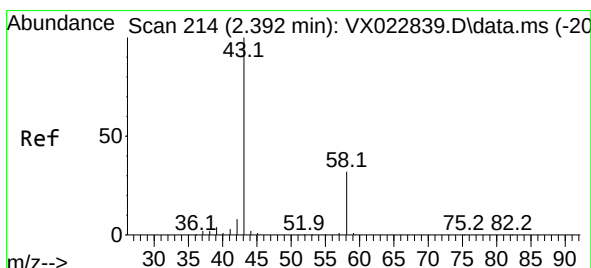
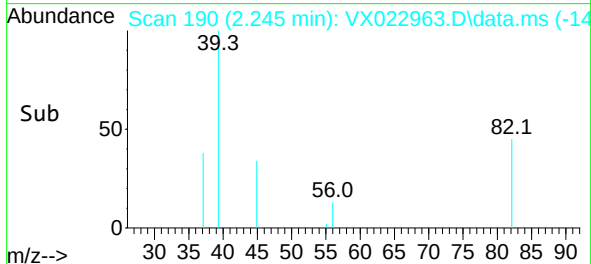
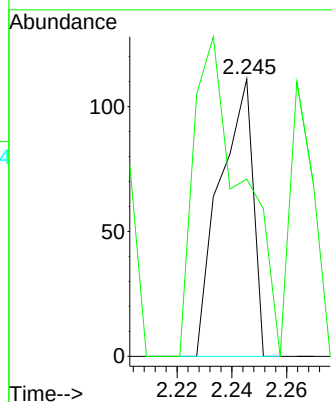
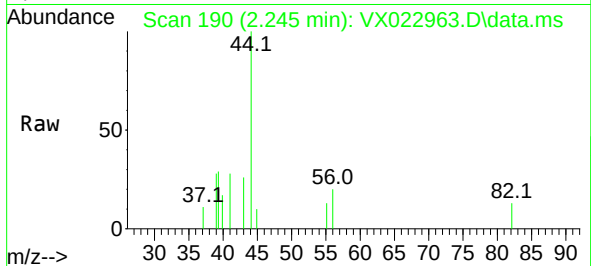




#13
Acrolein
Concen: 0.700 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.000 min
Lab File: VX022963.D
Acq: 26 Jun 2021 08:08

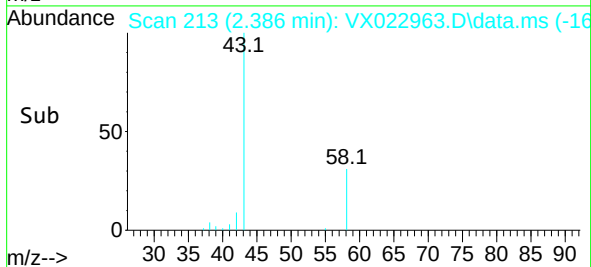
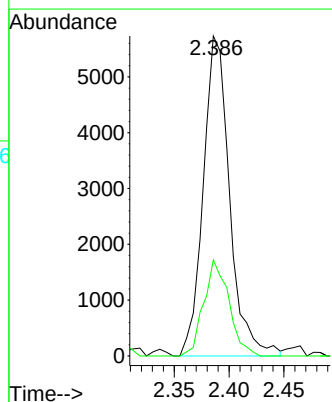
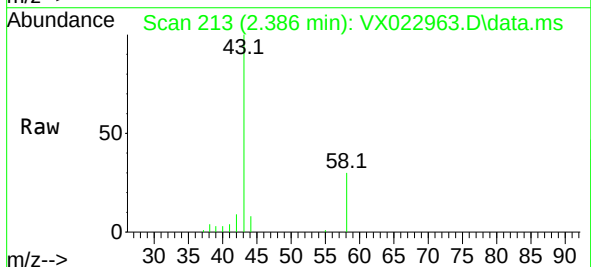
Instrument :
MSVOA_X
ClientSampled :

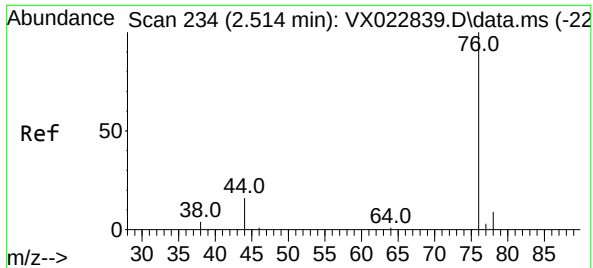
Tgt Ion: 56 Resp: 94
Ion Ratio Lower Upper
56 100
55 167.0 56.4 84.6#



#16
Acetone
Concen: 20.885 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022963.D
Acq: 26 Jun 2021 08:08

Tgt Ion: 43 Resp: 9598
Ion Ratio Lower Upper
43 100
58 30.0 27.8 41.8

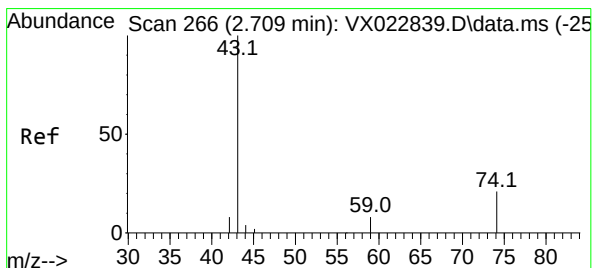
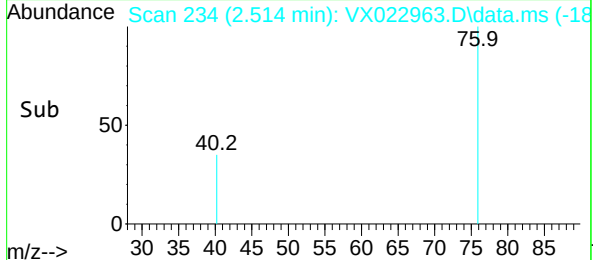
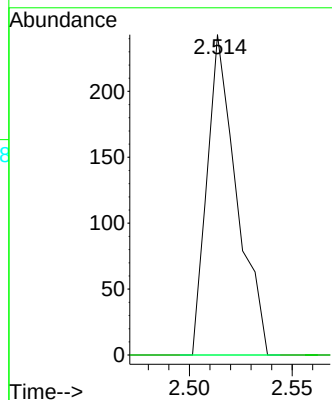
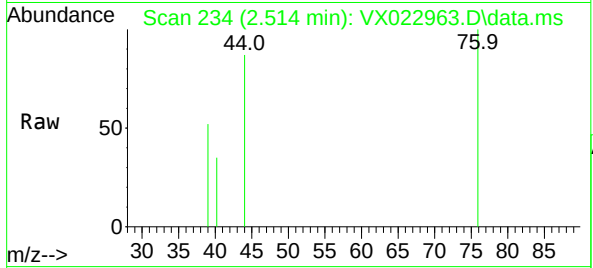




#17
Carbon Disulfide
Concen: 3.628 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX022963.D
Acq: 26 Jun 2021 08:08

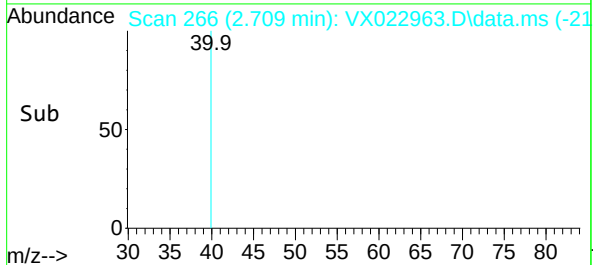
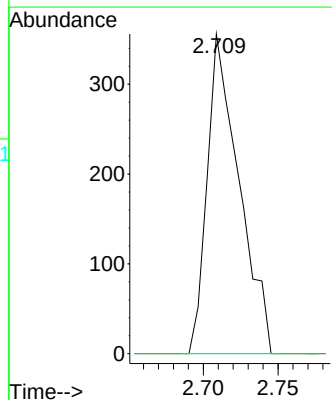
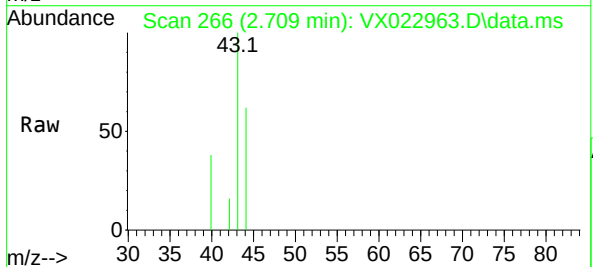
Instrument :
MSVOA_X
ClientSampled :

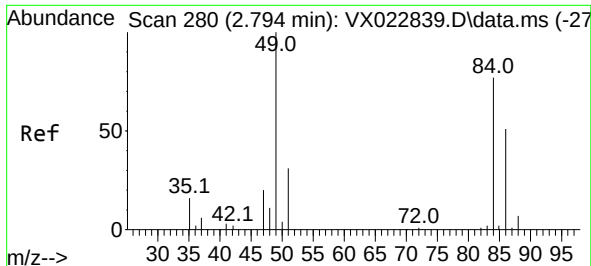
Tgt Ion: 76 Resp: 244
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.466 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX022963.D
Acq: 26 Jun 2021 08:08

Tgt Ion: 43 Resp: 527
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



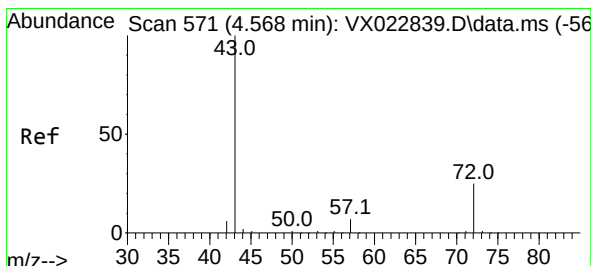
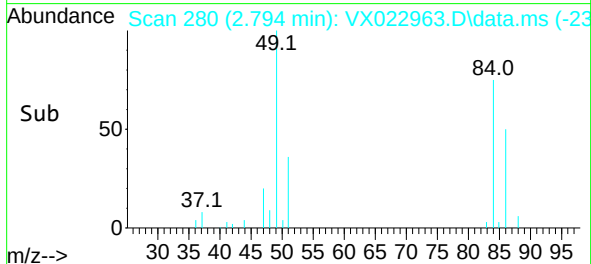
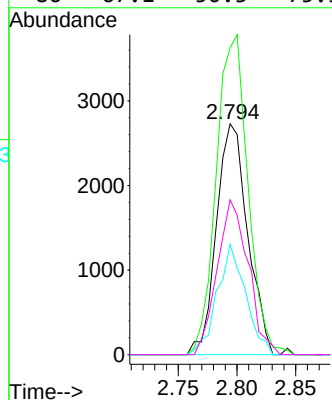
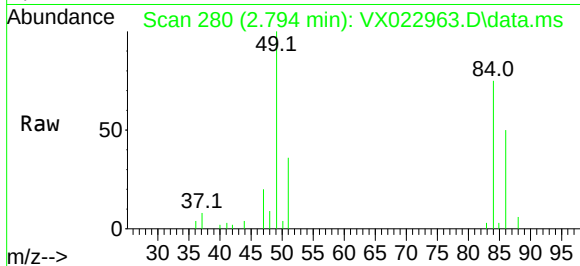


#20
Methylene Chloride
Concen: 5.867 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX022963.D
Acq: 26 Jun 2021 08:08

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 84 Resp: 5046

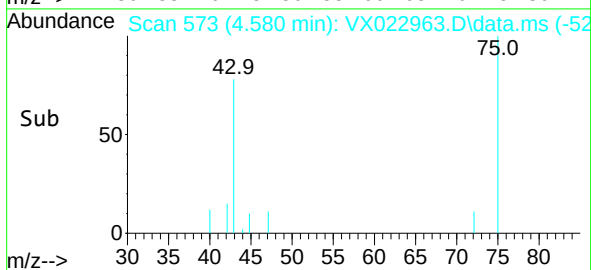
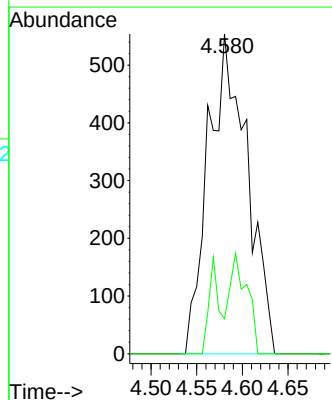
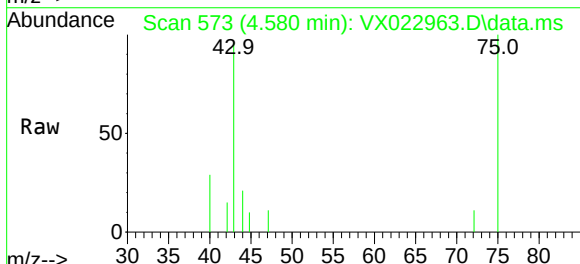
Ion	Ratio	Lower	Upper
84	100		
49	132.9	88.6	132.8#
51	47.8	27.0	40.6#
86	67.1	50.3	75.5

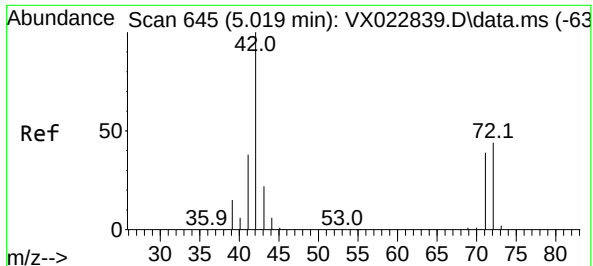


#25
2-Butanone
Concen: 2.293 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX022963.D
Acq: 26 Jun 2021 08:08

Tgt Ion: 43 Resp: 1639

Ion	Ratio	Lower	Upper
43	100		
72	11.0	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.455 ug/l

RT: 5.013 min Scan# 644

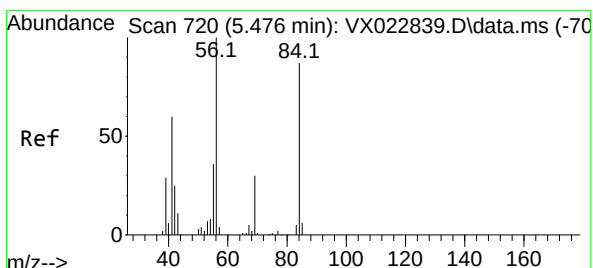
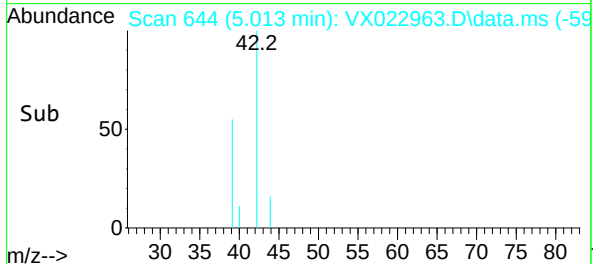
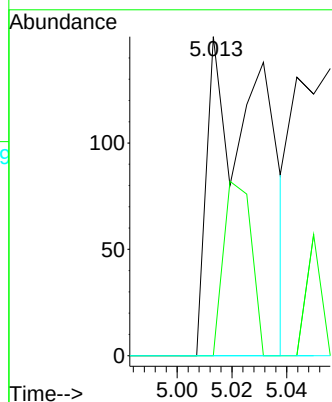
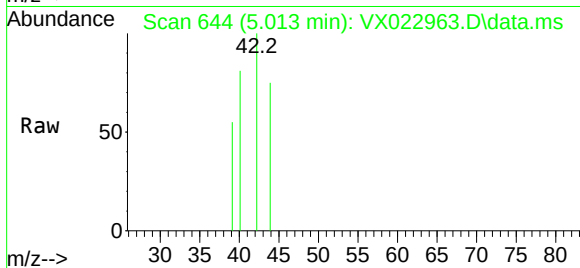
Delta R.T. -0.006 min

Lab File: VX022963.D

Acq: 26 Jun 2021 08:08

Tgt Ion: 42 Resp: 209

Ion	Ratio	Lower	Upper
42	100		
72	27.8	41.7	62.5#
71	0.0	38.4	57.6#



#31

Cyclohexane

Concen: 1.246 ug/l

RT: 5.562 min Scan# 734

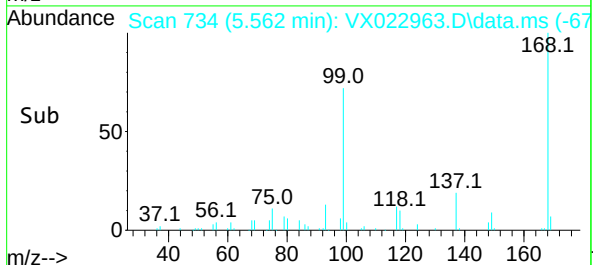
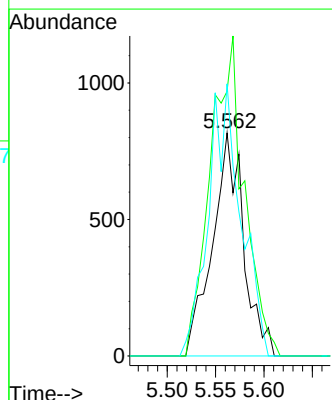
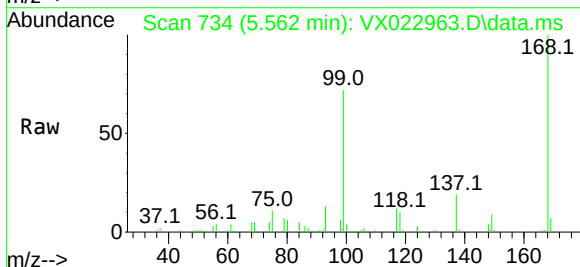
Delta R.T. 0.086 min

Lab File: VX022963.D

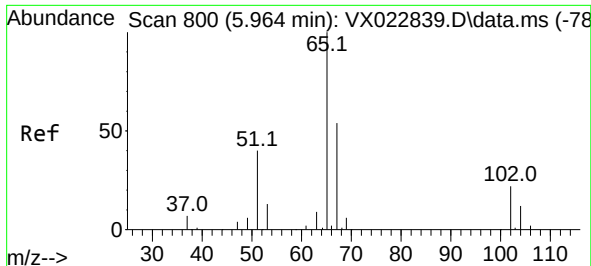
Acq: 26 Jun 2021 08:08

Tgt Ion: 56 Resp: 1823

Ion	Ratio	Lower	Upper
56	100		
69	118.6	25.3	37.9#
84	122.0	71.4	107.0#



Instrument :
MSVOA_X
ClientSampled :



#33

1,2-Dichloroethane-d4

Concen: 51.870 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX022963.D

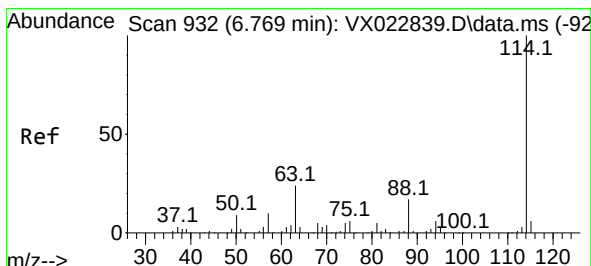
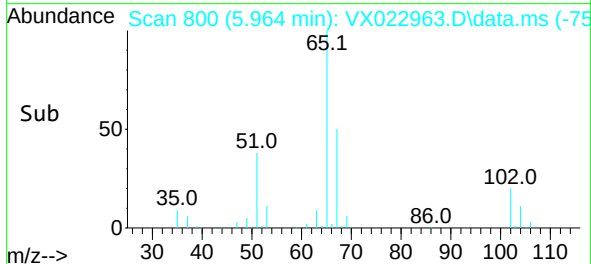
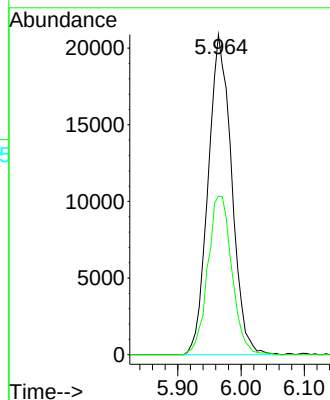
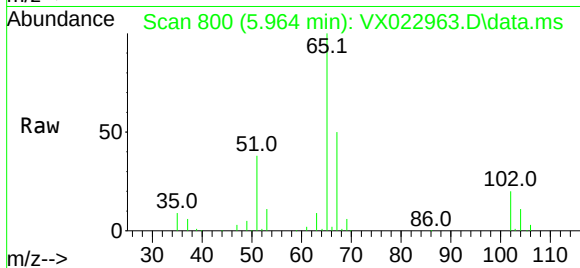
Acq: 26 Jun 2021 08:08

Tgt Ion: 65 Resp: 53771

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: VX022963.D

Acq: 26 Jun 2021 08:08

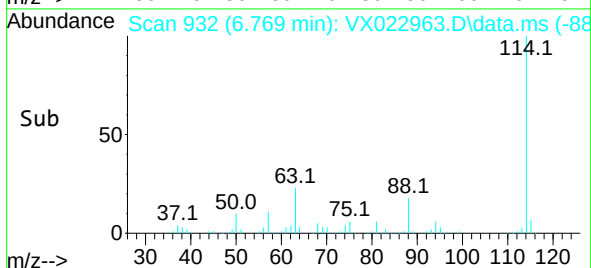
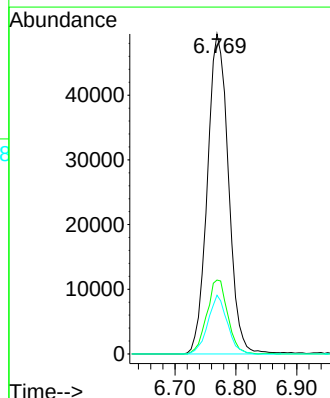
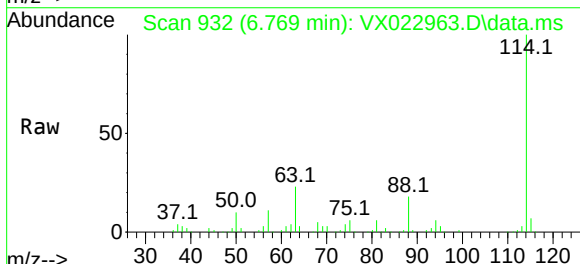
Tgt Ion: 114 Resp: 118845

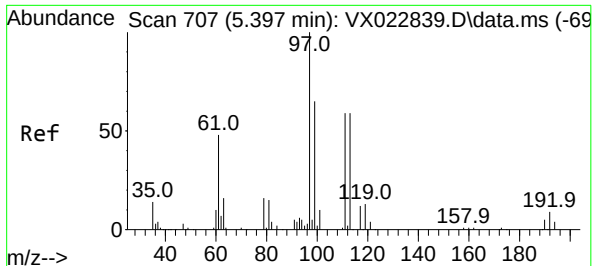
Ion Ratio Lower Upper

114 100

63 23.1 0.0 40.8

88 18.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.364 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX022963.D

Acq: 26 Jun 2021 08:08

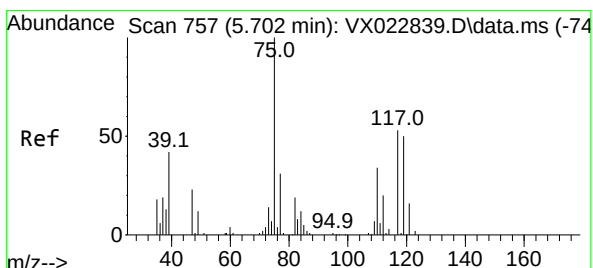
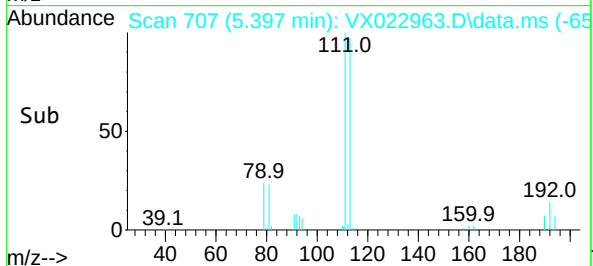
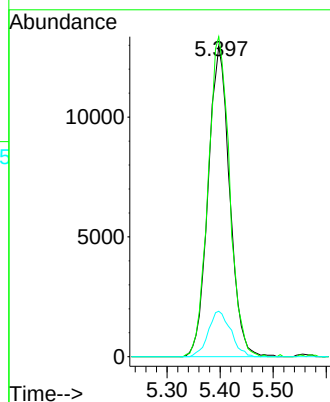
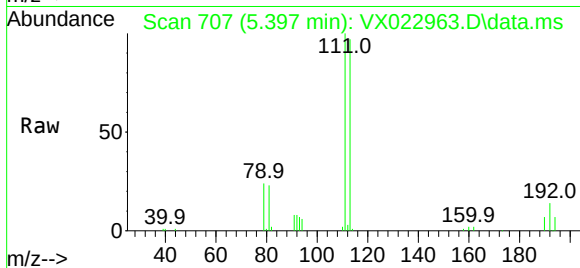
Tgt Ion:113 Resp: 36500

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

192 15.3 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 5.041 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX022963.D

Acq: 26 Jun 2021 08:08

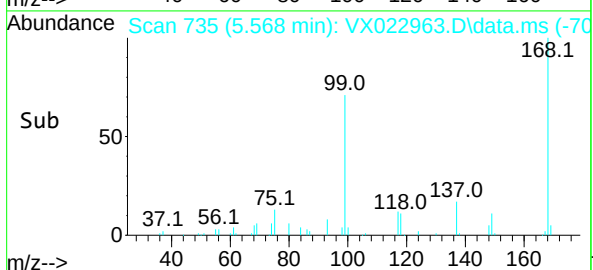
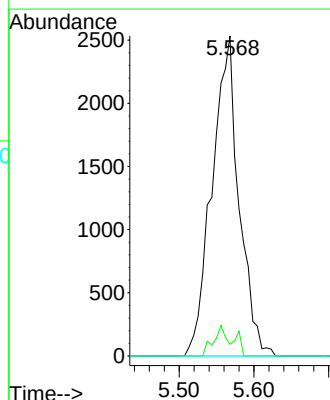
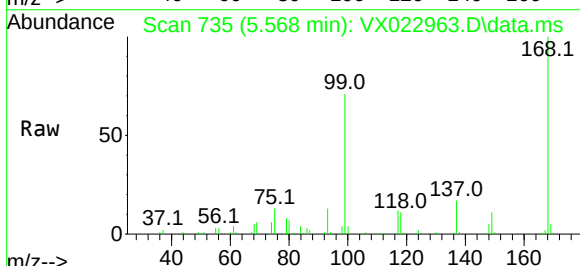
Tgt Ion: 75 Resp: 6363

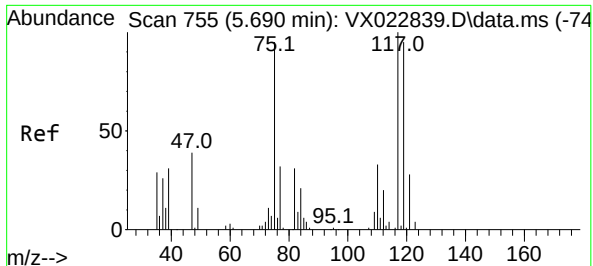
Ion Ratio Lower Upper

75 100

110 4.7 18.1 54.4#

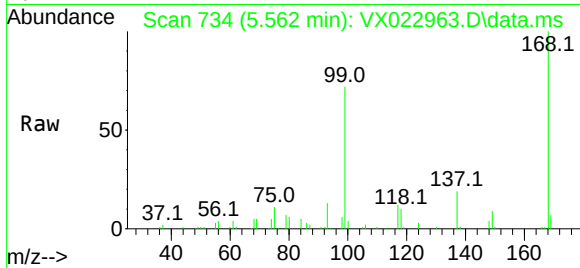
77 0.0 25.3 37.9#



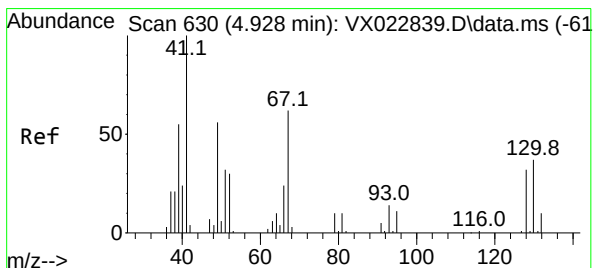
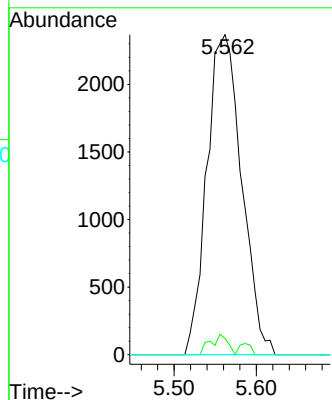
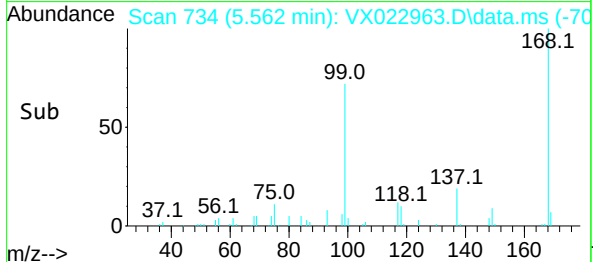


#38
Carbon Tetrachloride
Concen: 6.584 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022963.D
Acq: 26 Jun 2021 08:08

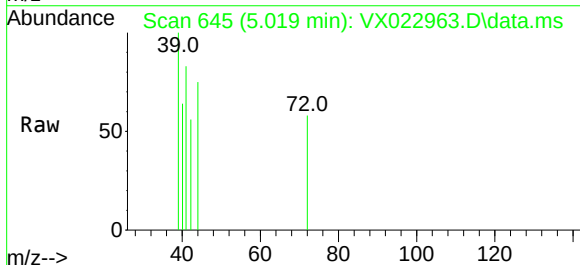
Instrument :
MSVOA_X
ClientSampled :



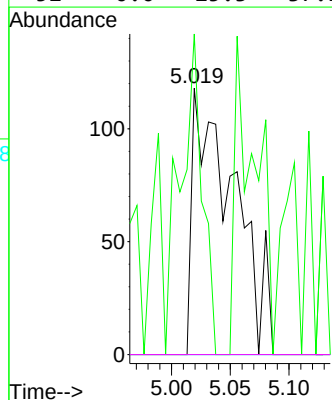
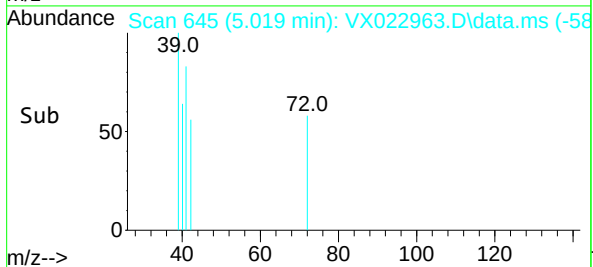
Tgt Ion:117 Resp: 6971
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 24.8 37.2#

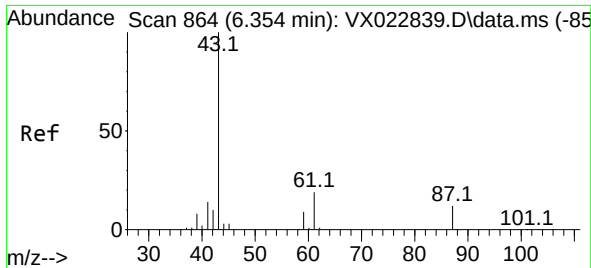


#41
Methacrylonitrile
Concen: 0.361 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.091 min
Lab File: VX022963.D
Acq: 26 Jun 2021 08:08



Tgt Ion: 41 Resp: 291
Ion Ratio Lower Upper
41 100
39 63.9 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

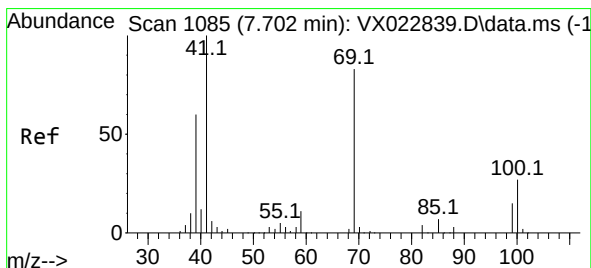
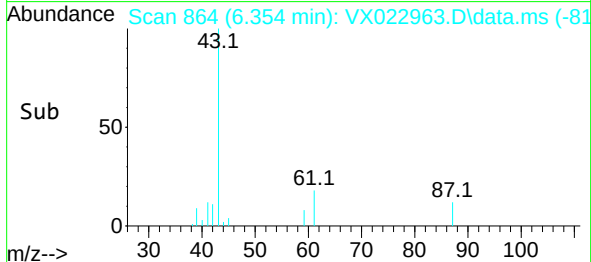
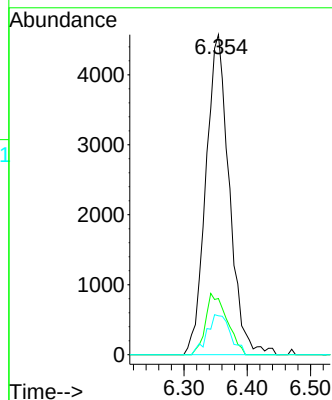
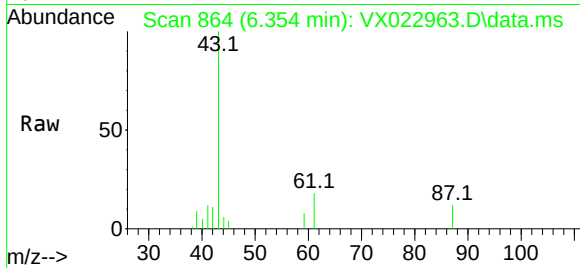




#43
Isopropyl Acetate
Concen: 4.998 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.000 min
Lab File: VX022963.D
Acq: 26 Jun 2021 08:08

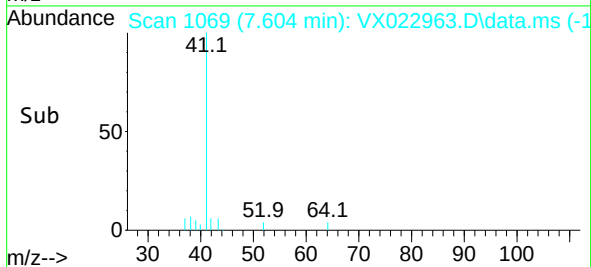
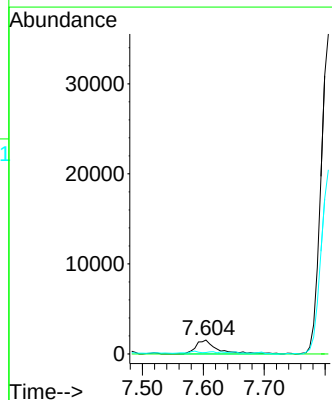
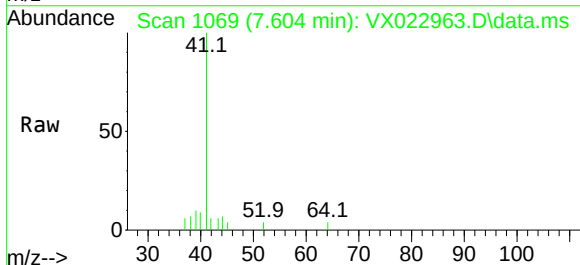
Instrument :
MSVOA_X
ClientSampled :

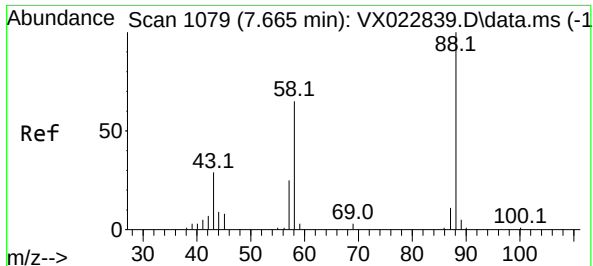
Tgt Ion: 43 Resp: 11749
Ion Ratio Lower Upper
43 100
61 17.6 18.2 27.4#
87 12.4 12.5 18.7#



#48
Methyl methacrylate
Concen: 3.497 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX022963.D
Acq: 26 Jun 2021 08:08

Tgt Ion: 41 Resp: 3805
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: 0.769 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.128 min

Lab File: VX022963.D

Acq: 26 Jun 2021 08:08

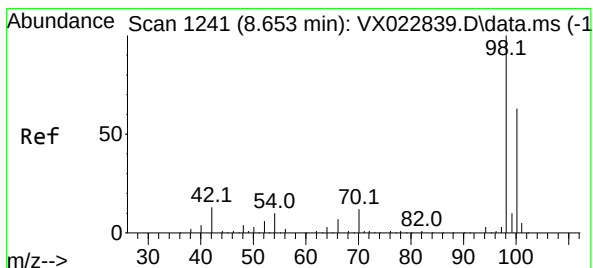
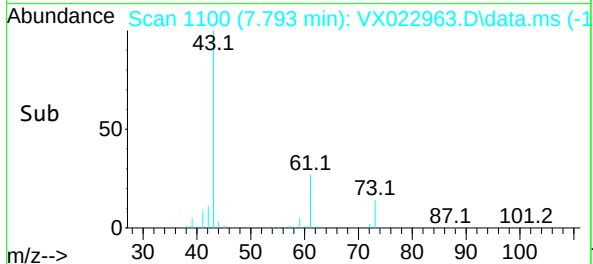
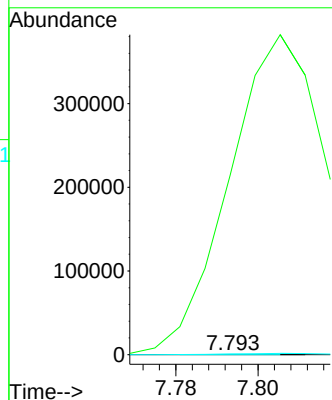
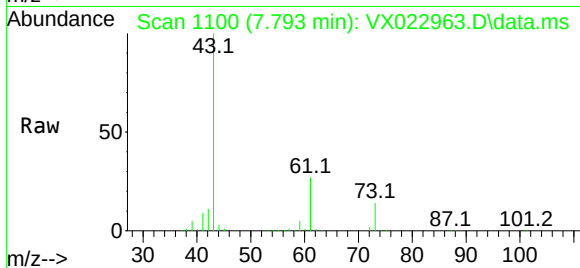
Tgt Ion: 88 Resp: 18

Ion Ratio Lower Upper

88 100

43 3671983.3 23.2 34.8#

58 14277.8 55.0 82.4#



#50

Toluene-d8

Concen: 50.903 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX022963.D

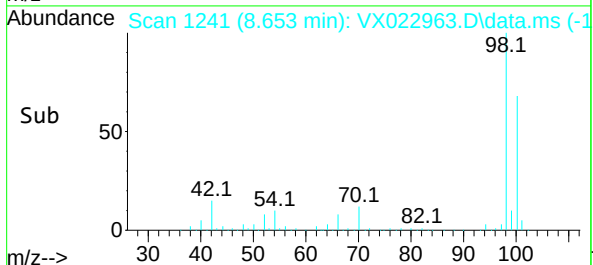
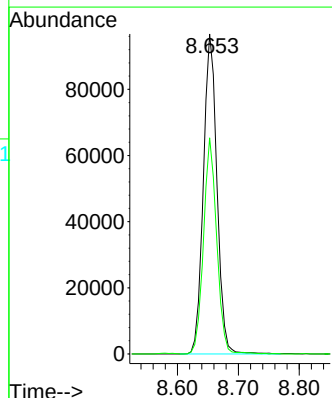
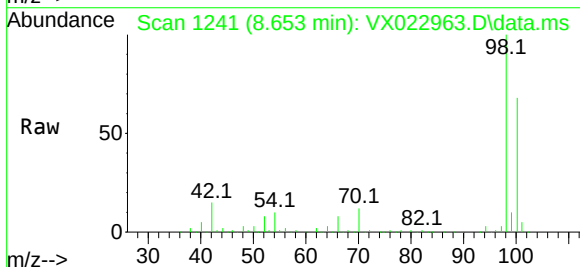
Acq: 26 Jun 2021 08:08

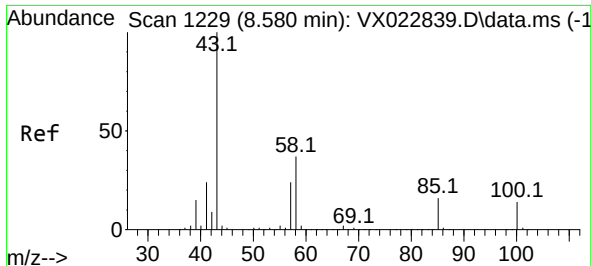
Tgt Ion: 98 Resp: 150561

Ion Ratio Lower Upper

98 100

100 65.5 51.9 77.9

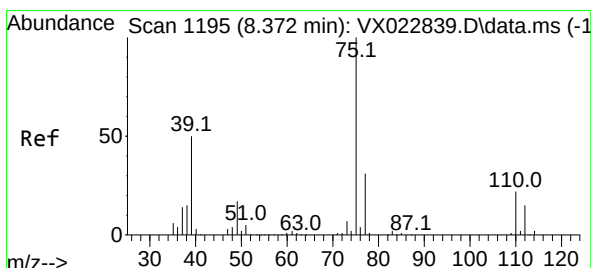
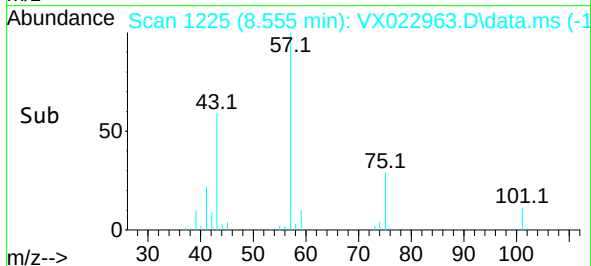
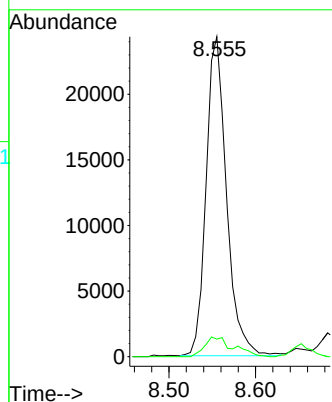
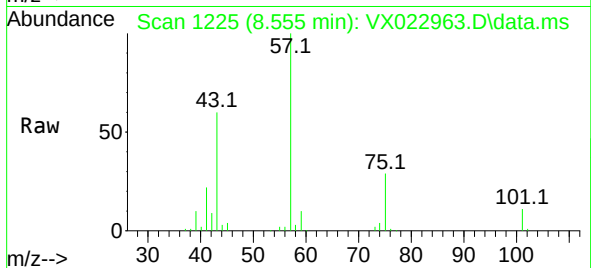




#51
4-Methyl-2-Pentanone
Concen: 27.210 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022963.D
Acq: 26 Jun 2021 08:08

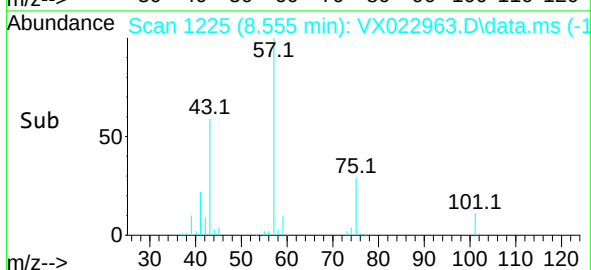
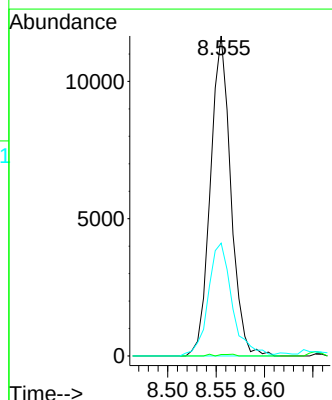
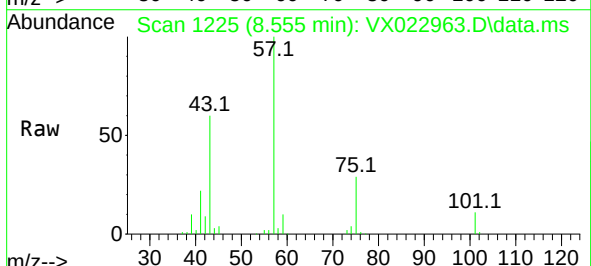
Instrument :
MSVOA_X
ClientSampled :

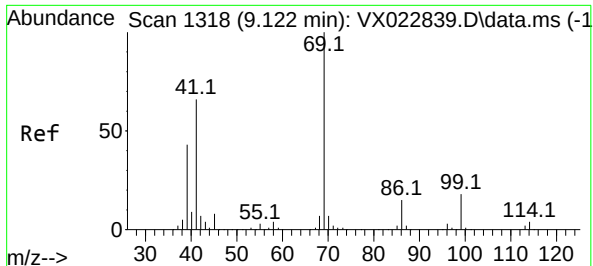
Tgt Ion: 43 Resp: 39811
Ion Ratio Lower Upper
43 100
58 6.6 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 12.748 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX022963.D
Acq: 26 Jun 2021 08:08

Tgt Ion: 75 Resp: 17110
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 35.2 35.1 52.7

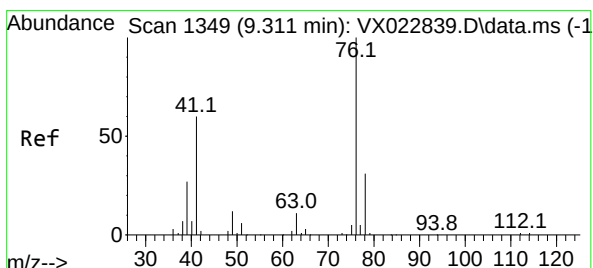
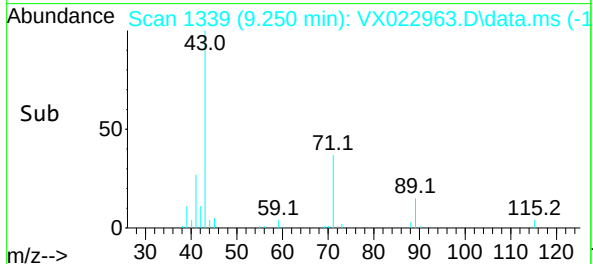
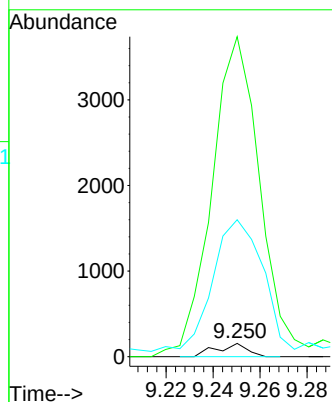
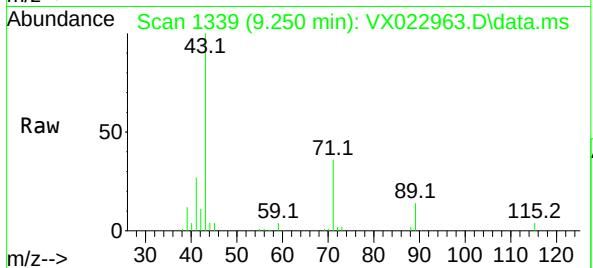




#56
Ethyl methacrylate
Concen: 2.661 ug/l
RT: 9.250 min Scan# 1339
Delta R.T. 0.128 min
Lab File: VX022963.D
Acq: 26 Jun 2021 08:08

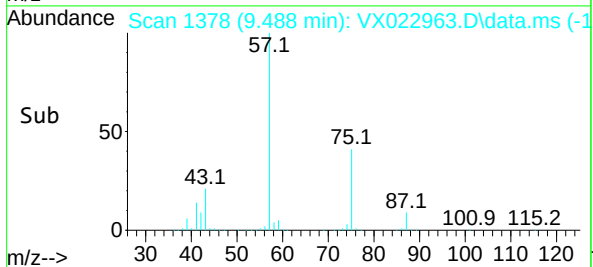
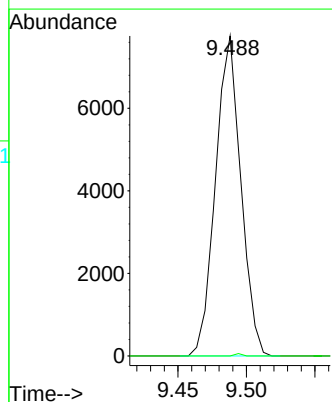
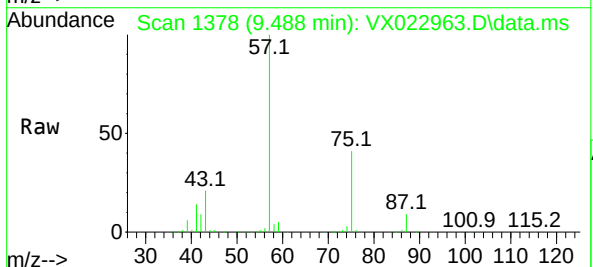
Instrument :
MSVOA_X
ClientSampled :

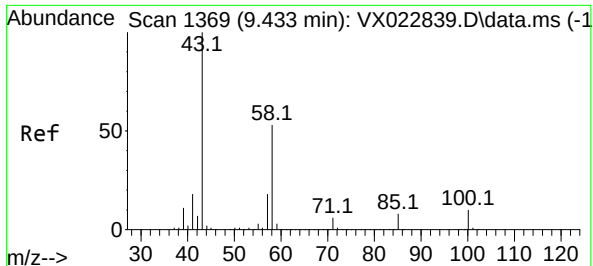
Tgt Ion: 69 Resp: 140
Ion Ratio Lower Upper
69 100
41 3800.7 46.8 70.2#
39 1660.0 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 6.213 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022963.D
Acq: 26 Jun 2021 08:08

Tgt Ion: 76 Resp: 9970
Ion Ratio Lower Upper
76 100
78 0.2 26.2 39.2#

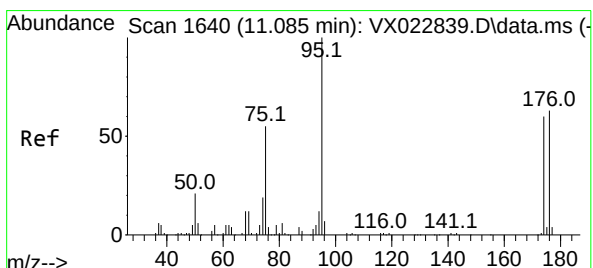
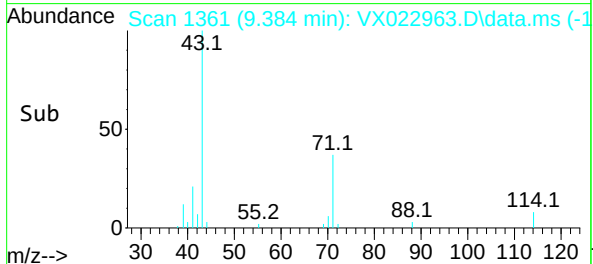
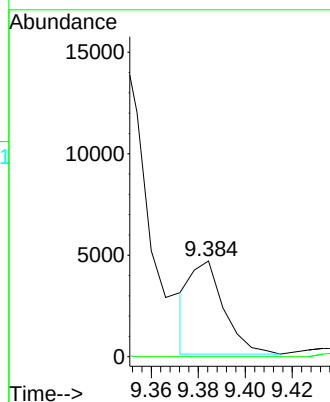
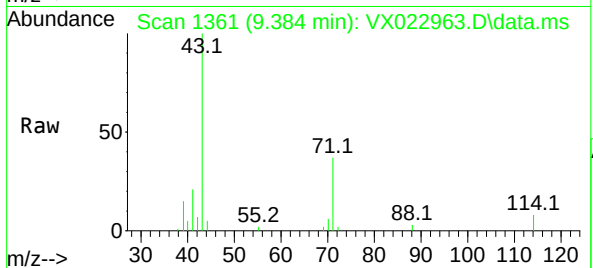




#59
2-Hexanone
Concen: 4.127 ug/l
RT: 9.384 min Scan# 1361
Delta R.T. -0.049 min
Lab File: VX022963.D
Acq: 26 Jun 2021 08:08

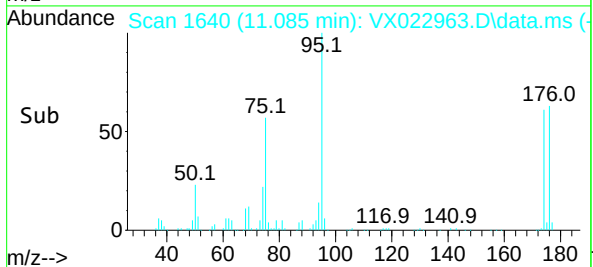
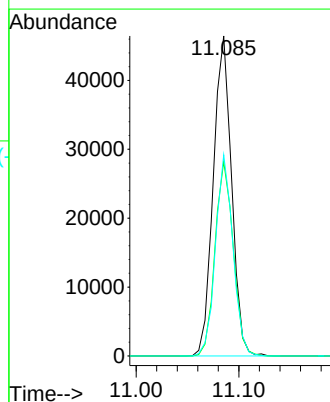
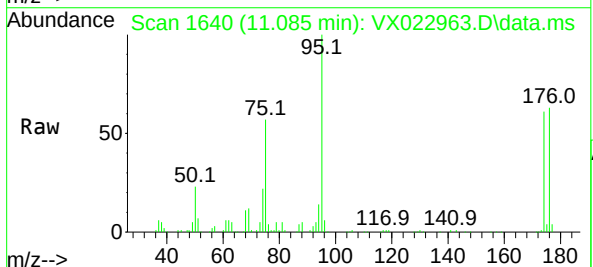
Instrument :
MSVOA_X
ClientSampled :

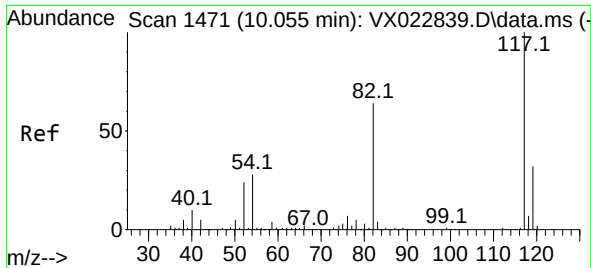
Tgt Ion: 43 Resp: 4581
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 51.985 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022963.D
Acq: 26 Jun 2021 08:08

Tgt Ion: 95 Resp: 57385
Ion Ratio Lower Upper
95 100
174 60.4 0.0 154.6
176 59.9 0.0 155.8

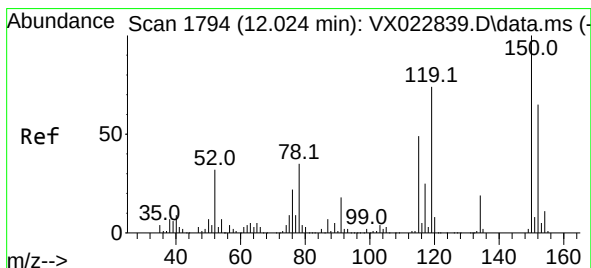
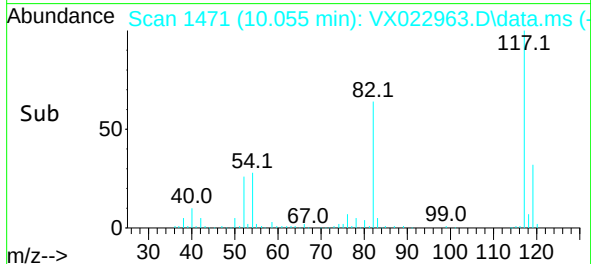
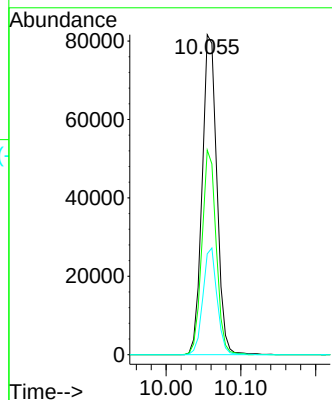
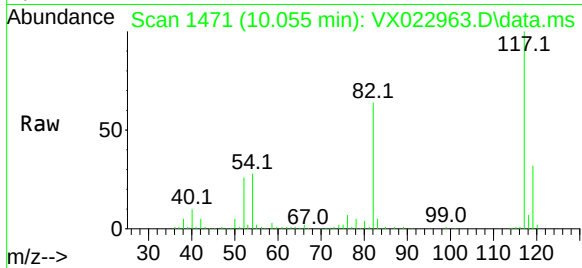




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX022963.D
Acq: 26 Jun 2021 08:08

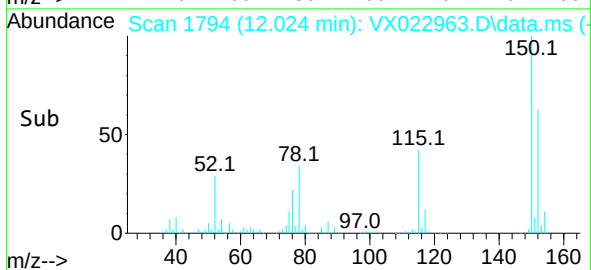
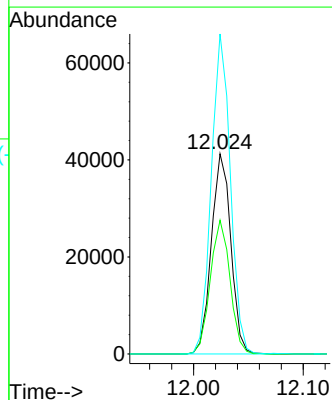
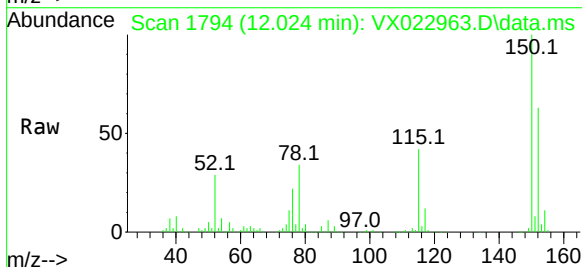
Instrument :
MSVOA_X
ClientSampleId :

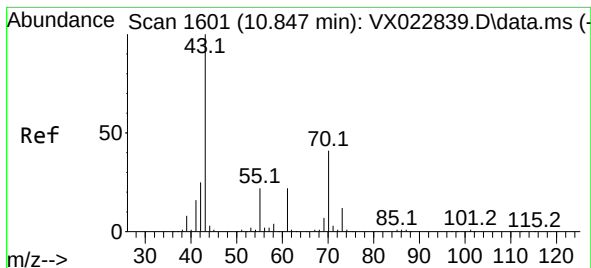
Tgt Ion:117 Resp: 111493
Ion Ratio Lower Upper
117 100
82 64.0 47.4 71.2
119 31.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022963.D
Acq: 26 Jun 2021 08:08

Tgt Ion:152 Resp: 50879
Ion Ratio Lower Upper
152 100
115 67.7 41.1 123.3
150 156.5 0.0 349.0

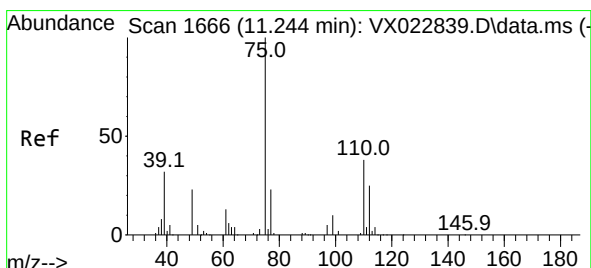
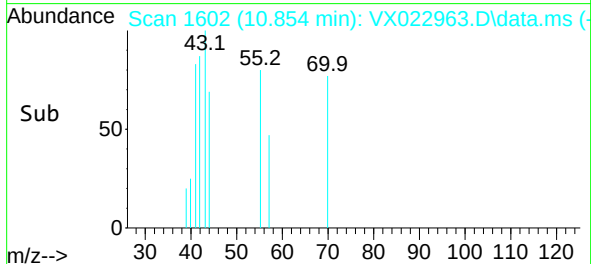
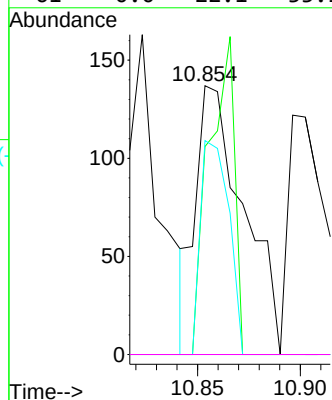
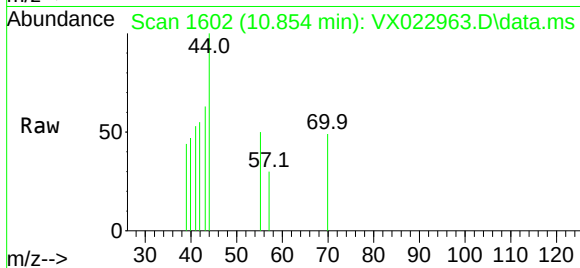




#74
N-amy1 acetate
Concen: 2.142 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.007 min
Lab File: VX022963.D
Acq: 26 Jun 2021 08:08

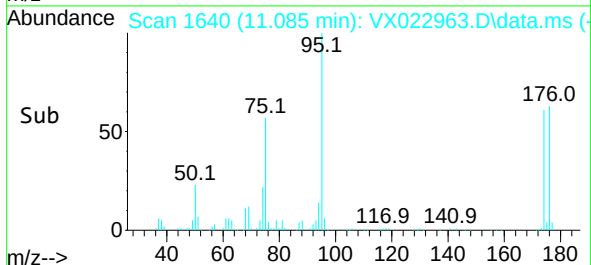
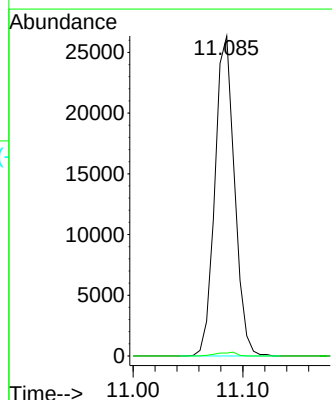
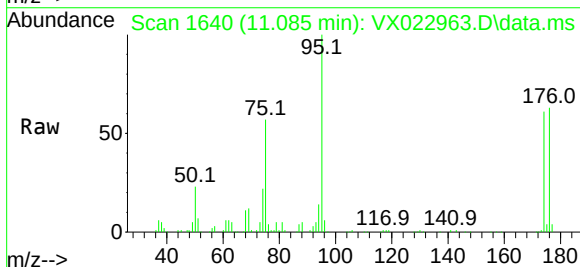
Instrument :
MSVOA_X
ClientSampled :

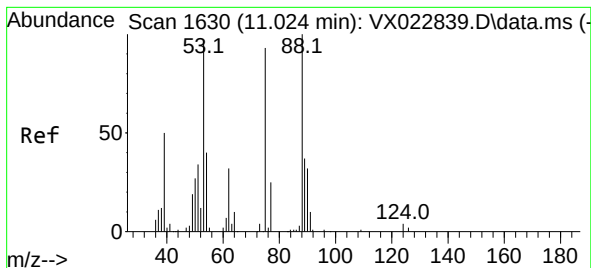
Tgt Ion: 43 Resp: 221
Ion Ratio Lower Upper
43 100
70 63.3 39.0 58.6#
55 47.5 21.5 32.3#
61 0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 24.432 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022963.D
Acq: 26 Jun 2021 08:08

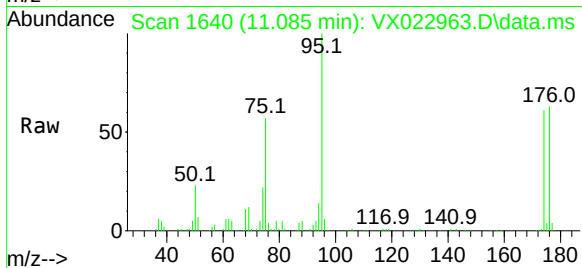
Tgt Ion: 75 Resp: 32834
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



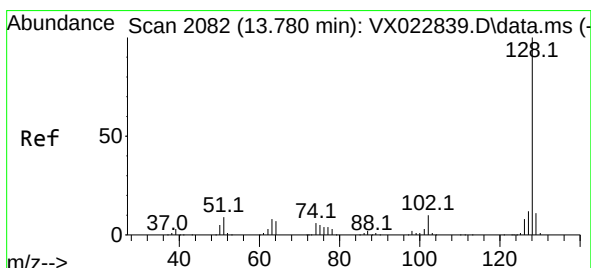
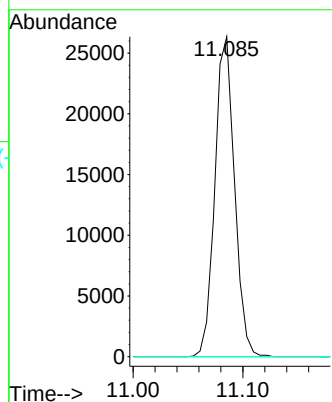
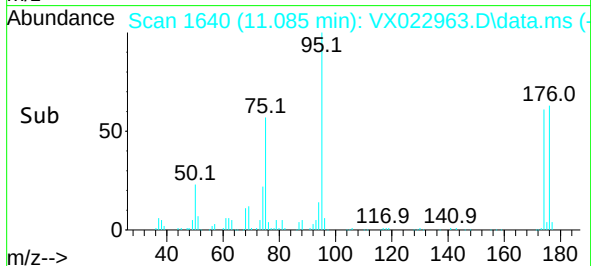


#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.909 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX022963.D
 Acq: 26 Jun 2021 08:08

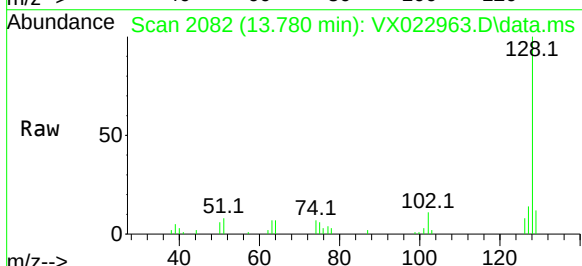
Instrument :
 MSVOA_X
 ClientSampled :



Tgt Ion: 75 Resp: 32834
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#



#95
 Naphthalene
 Concen: 3.635 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. -0.000 min
 Lab File: VX022963.D
 Acq: 26 Jun 2021 08:08



Tgt Ion: 128 Resp: 7386
 Ion Ratio Lower Upper
 128 100
 127 12.3 10.3 15.5
 129 11.3 8.8 13.2

