

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063021\
 Data File : VX023070.D
 Acq On : 01 Jul 2021 06:37
 Operator : JC/MD
 Sample : M2852-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 01 07:05:50 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)

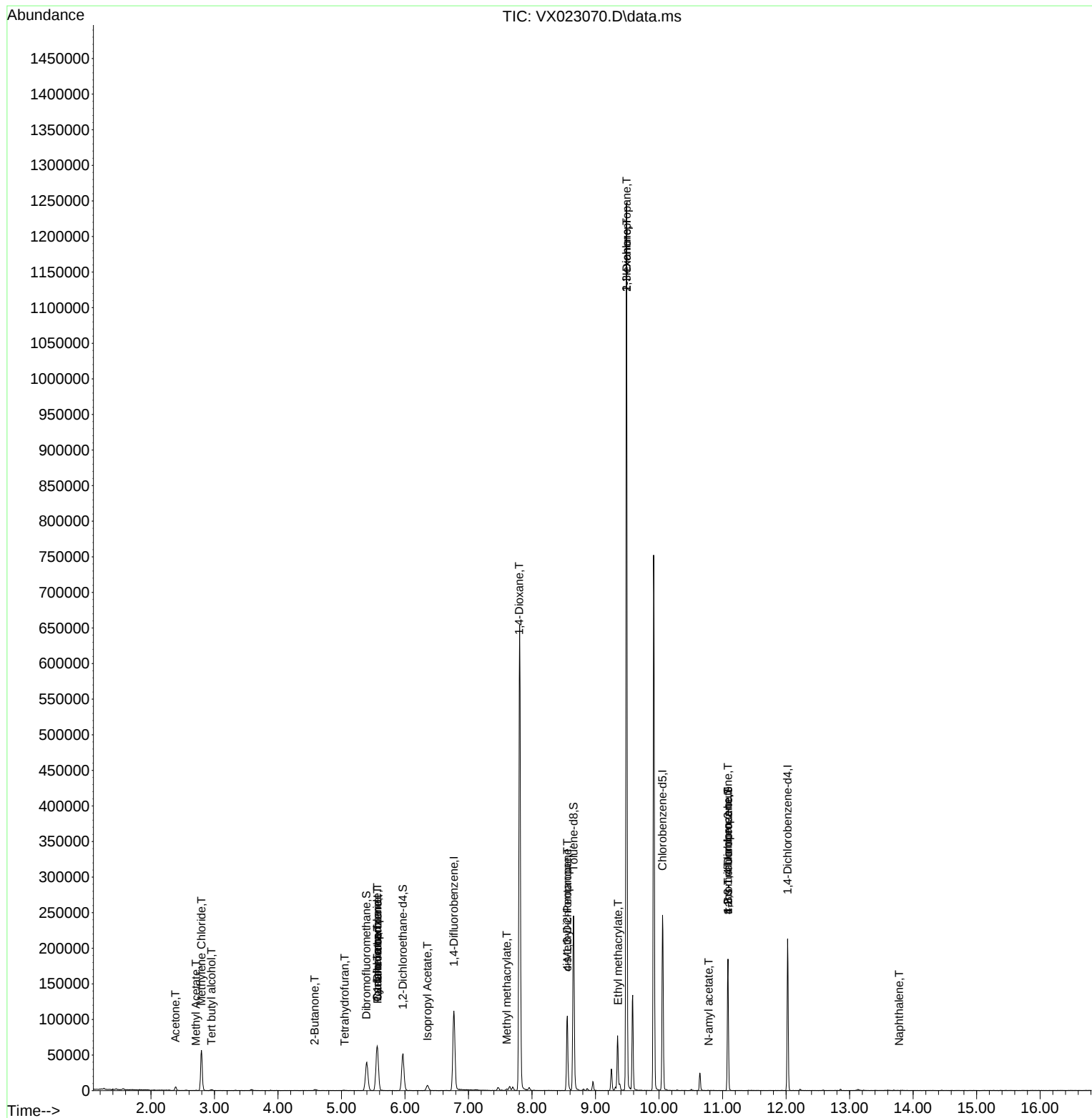
Internal Standards						
1) Pentafluorobenzene	5.568	168	50655	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.769	114	105727	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	96002	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	36362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	47919	52.127	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.260%	
35) Dibromofluoromethane	5.391	113	33243	49.514	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.020%	
50) Toluene-d8	8.653	98	132910	50.511	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.020%	
62) 4-Bromofluorobenzene	11.085	95	47333	48.199	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.400%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	642	3.351	ug/l #	73
16) Acetone	2.386	43	5625	13.802	ug/l #	87
18) Methyl Acetate	2.709	43	534	0.532	ug/l #	57
20) Methylene Chloride	2.794	84	24212	30.104	ug/l #	85
25) 2-Butanone	4.574	43	1306	2.061	ug/l #	78
29) Tetrahydrofuran	5.050	42	292	0.716	ug/l #	27
31) Cyclohexane	5.562	56	1589	1.224	ug/l #	37
36) 1,1-Dichloropropene	5.562	75	5845	5.205	ug/l #	46
38) Carbon Tetrachloride	5.562	117	6238	6.623	ug/l #	15
43) Isopropyl Acetate	6.354	43	10208	4.881	ug/l #	90
48) Methyl methacrylate	7.604	41	3040	3.141	ug/l #	10
49) 1,4-Dioxane	7.799	88	25	1.200	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	38387	29.492	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	16229	13.420	ug/l #	70
56) Ethyl methacrylate	9.354	69	457	2.878	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	9926	6.953	ug/l #	42
59) 2-Hexanone	9.488	43	143836	145.661	ug/l #	43
74) N-amyl acetate	10.781	43	333	2.239	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	27250	28.372	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	27250	73.165	ug/l #	12
95) Naphthalene	13.780	128	19	1.929	ug/l #	69

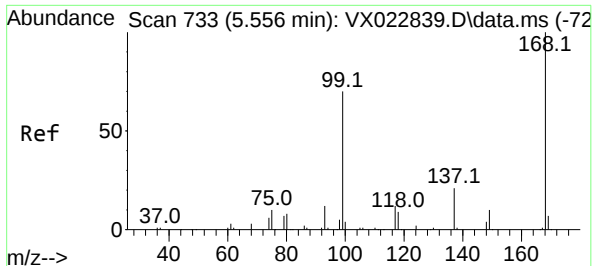
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 23 19:12:26 2021
Response via : Initial Calibration

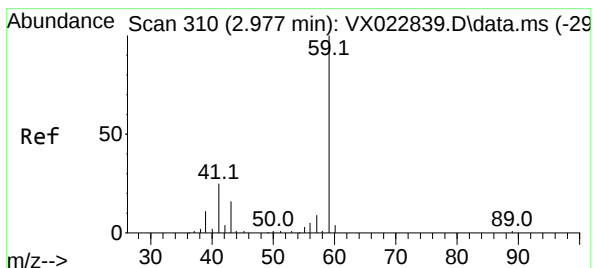
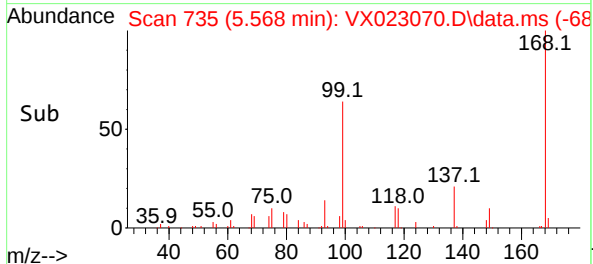
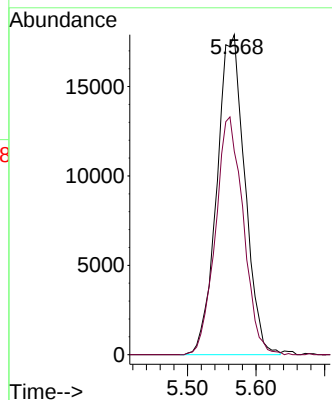
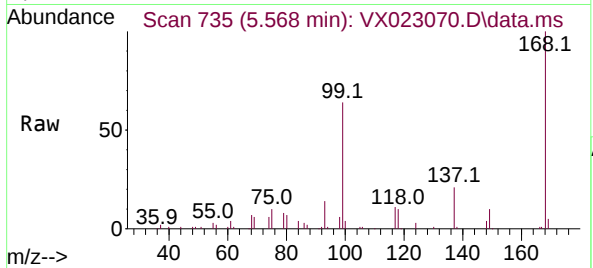




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.012 min
Lab File: VX023070.D
Acq: 01 Jul 2021 06:37

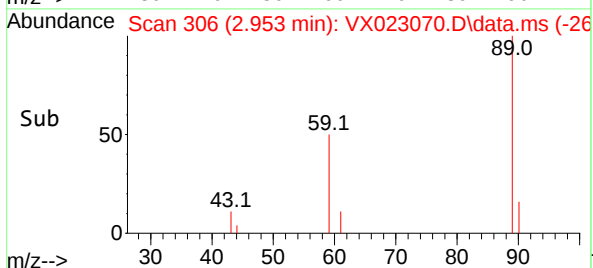
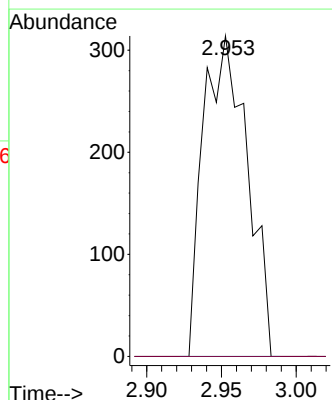
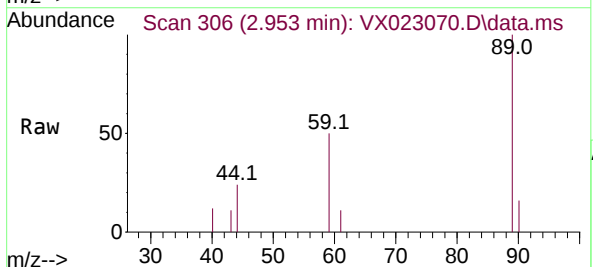
Instrument :
MSVOA_X
ClientSampleId :

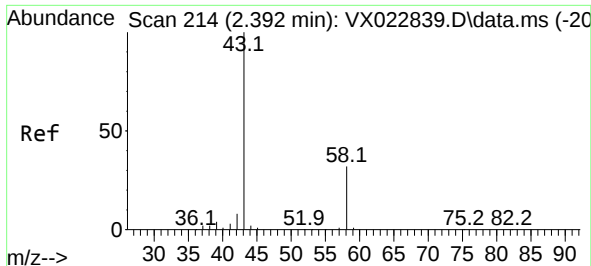
Tgt Ion:168 Resp: 50655
Ion Ratio Lower Upper
168 100
99 63.6 45.8 68.6



#11
Tert butyl alcohol
Concen: 3.351 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX023070.D
Acq: 01 Jul 2021 06:37

Tgt Ion: 59 Resp: 642
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

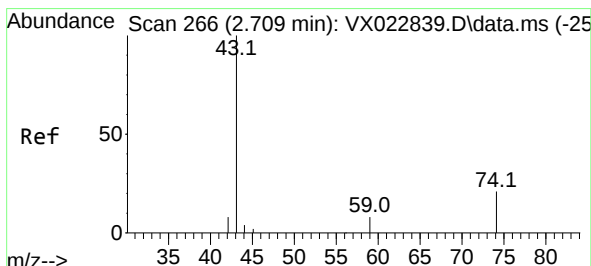
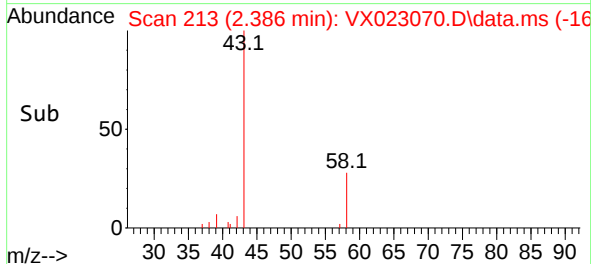
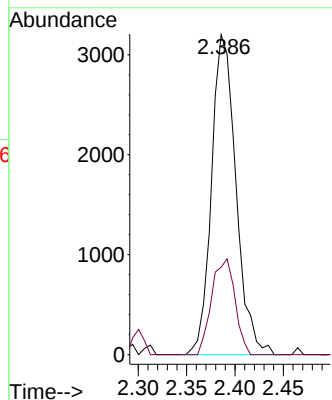
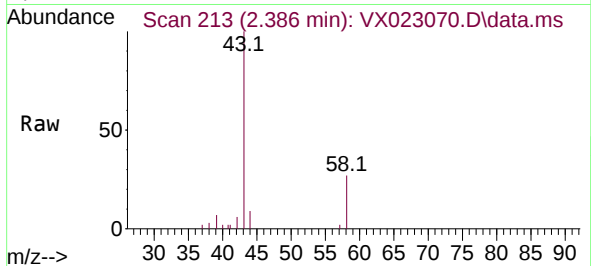




#16
Acetone
Concen: 13.802 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023070.D
Acq: 01 Jul 2021 06:37

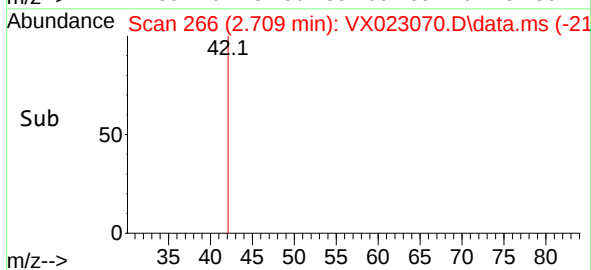
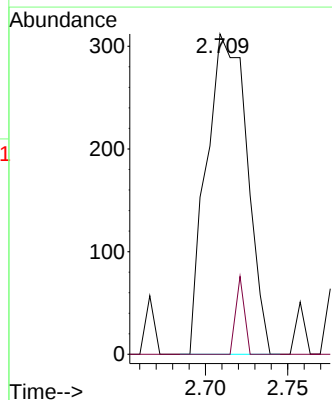
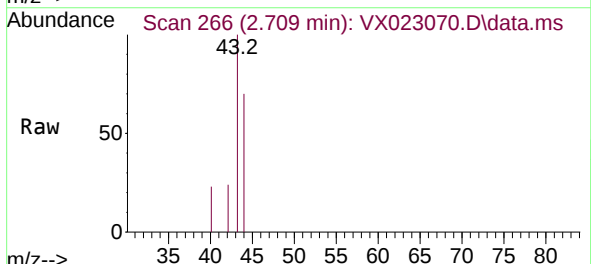
Instrument :
MSVOA_X
ClientSampleId :

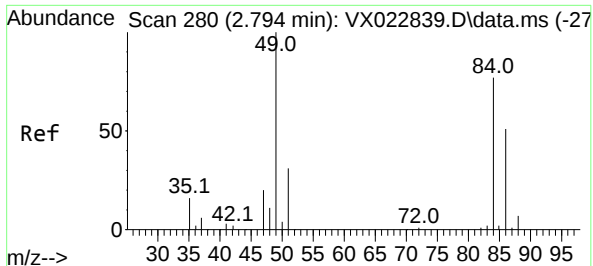
Tgt Ion: 43 Resp: 5625
Ion Ratio Lower Upper
43 100
58 27.3 27.8 41.8#



#18
Methyl Acetate
Concen: 0.532 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX023070.D
Acq: 01 Jul 2021 06:37

Tgt Ion: 43 Resp: 534
Ion Ratio Lower Upper
43 100
74 5.2 21.9 32.9#





#20

Methylene Chloride

Concen: 30.104 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023070.D

Acq: 01 Jul 2021 06:37

Tgt Ion: 84 Resp: 24212

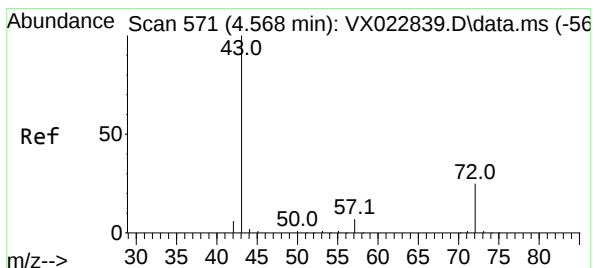
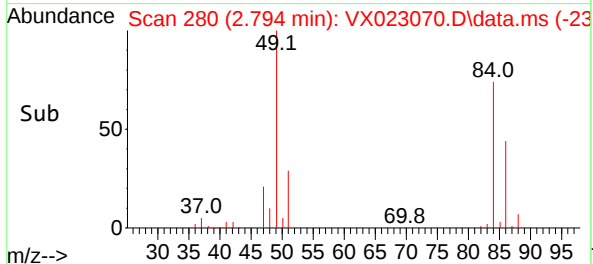
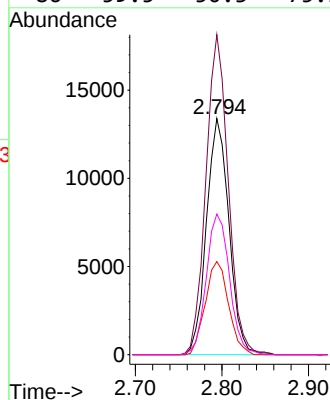
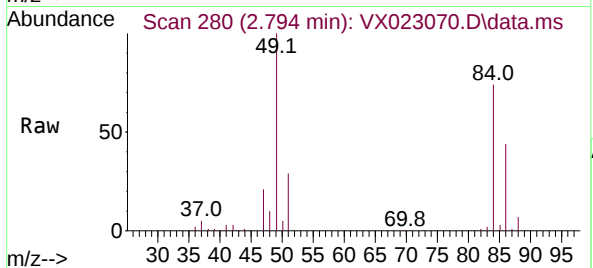
Ion Ratio Lower Upper

84 100

49 135.5 88.6 132.8#

51 39.4 27.0 40.6

86 59.5 50.3 75.5



#25

2-Butanone

Concen: 2.061 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX023070.D

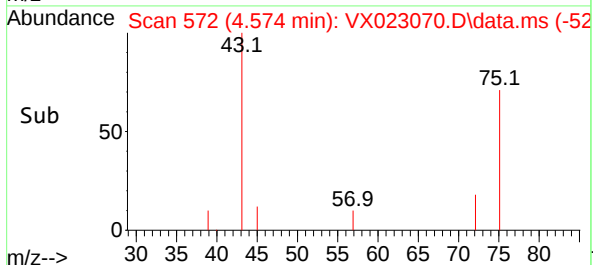
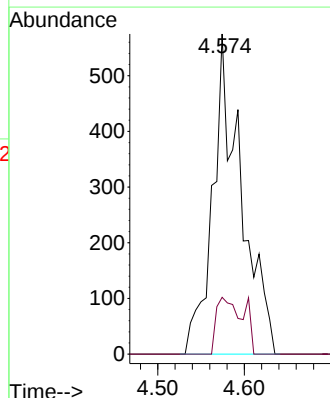
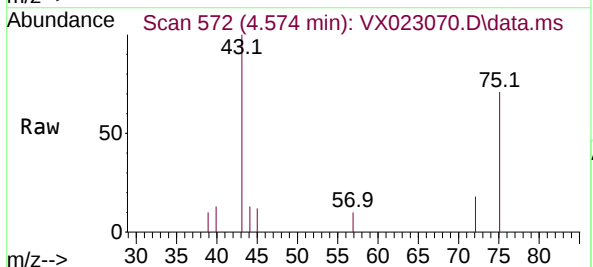
Acq: 01 Jul 2021 06:37

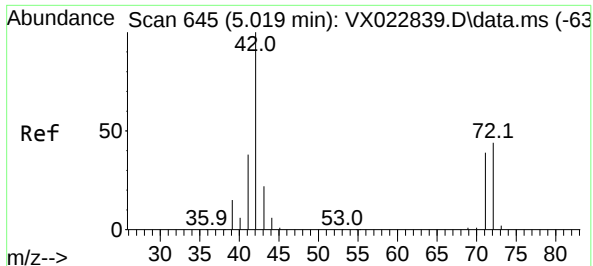
Tgt Ion: 43 Resp: 1306

Ion Ratio Lower Upper

43 100

72 17.7 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.716 ug/l

RT: 5.050 min Scan# 650

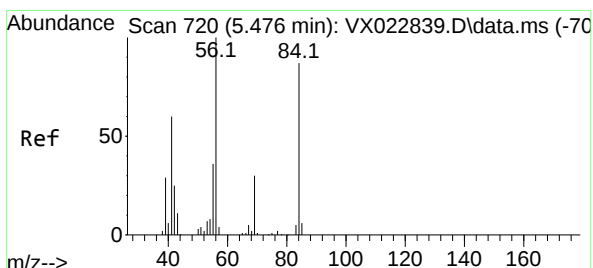
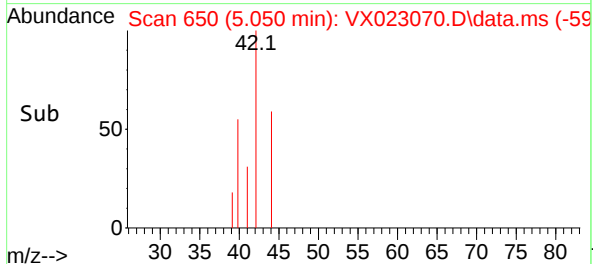
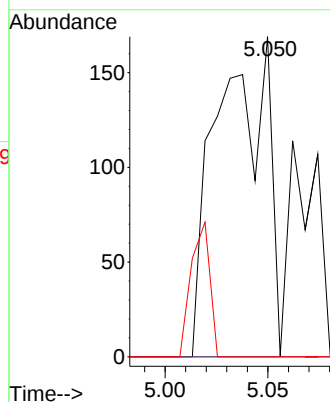
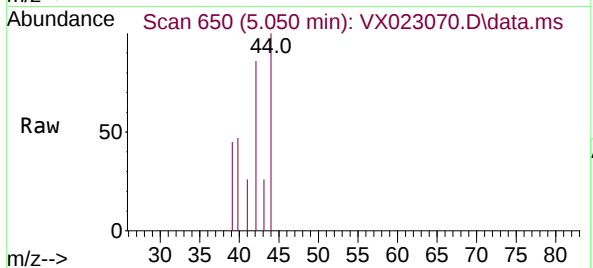
Delta R.T. 0.031 min

Lab File: VX023070.D

Acq: 01 Jul 2021 06:37

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 42	Resp: 292
Ion Ratio	Lower Upper
42	100
72	0.0 41.7 62.5#
71	0.0 38.4 57.6#



#31

Cyclohexane

Concen: 1.224 ug/l

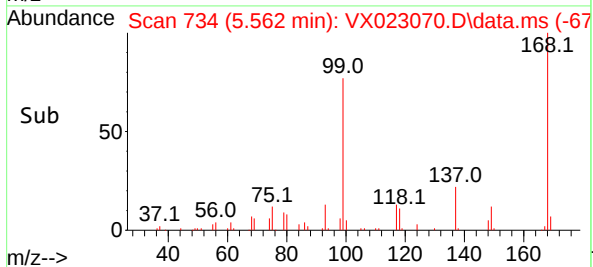
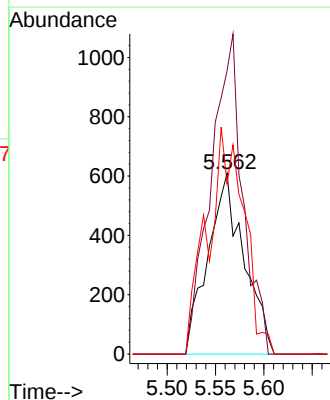
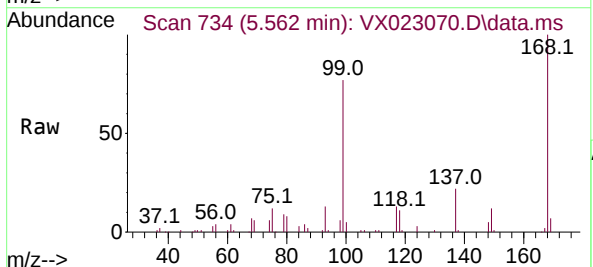
RT: 5.562 min Scan# 734

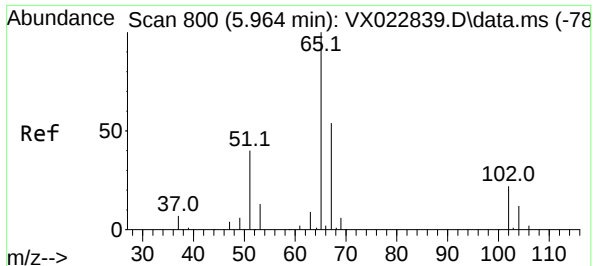
Delta R.T. 0.086 min

Lab File: VX023070.D

Acq: 01 Jul 2021 06:37

Tgt Ion: 56	Resp: 1589
Ion Ratio	Lower Upper
56	100
69	156.8 25.3 37.9#
84	94.3 71.4 107.0



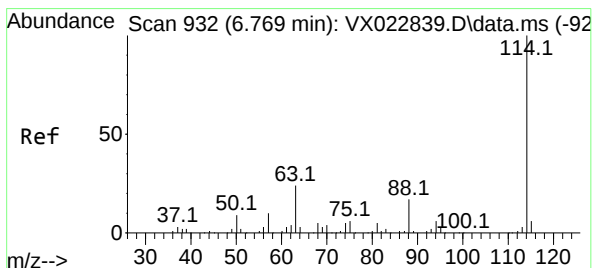
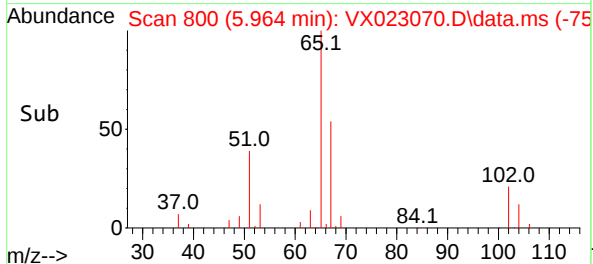
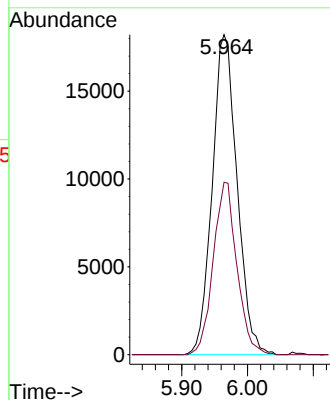
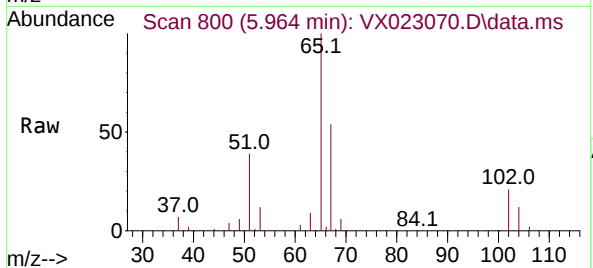


#33

1,2-Dichloroethane-d4
Concen: 52.127 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023070.D
Acq: 01 Jul 2021 06:37

Instrument :
MSVOA_X
ClientSampled :

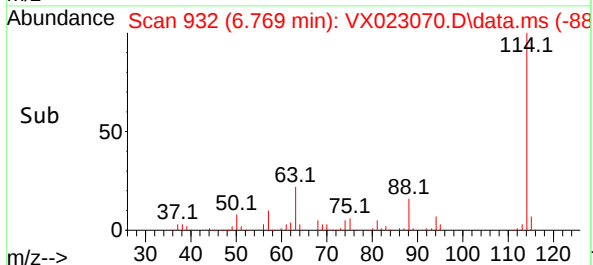
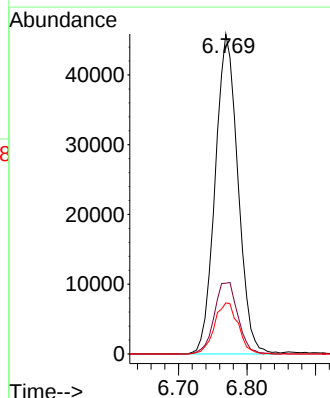
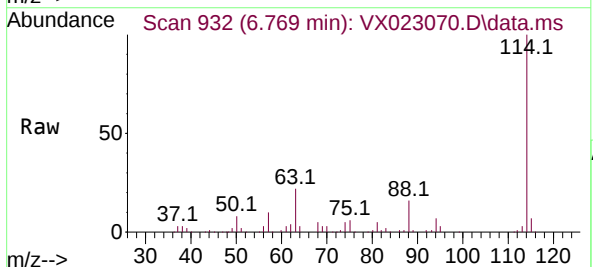
Tgt Ion: 65 Resp: 47919
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.4

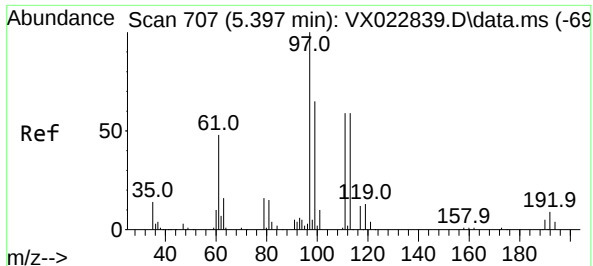


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023070.D
Acq: 01 Jul 2021 06:37

Tgt Ion: 114 Resp: 105727
Ion Ratio Lower Upper
114 100
63 22.1 0.0 40.8
88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.514 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX023070.D

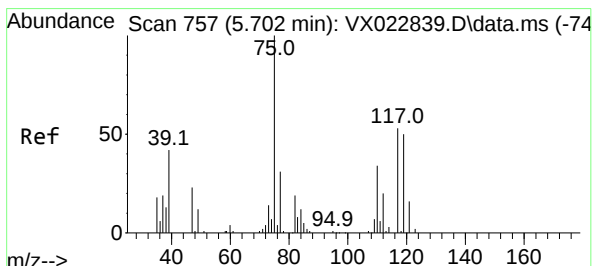
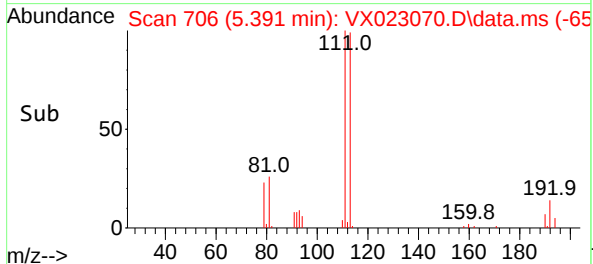
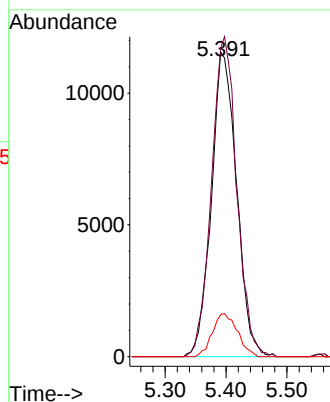
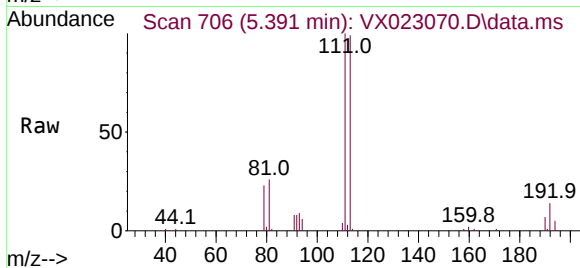
Acq: 01 Jul 2021 06:37

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:113	Resp:	33243
Ion	Ratio	Lower Upper
113	100	
111	104.9	81.9 122.9
192	14.0	16.7 25.1#



#36

1,1-Dichloropropene

Concen: 5.205 ug/l

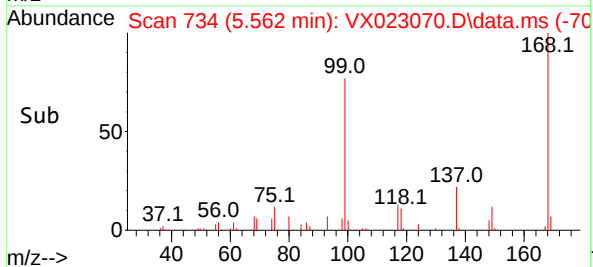
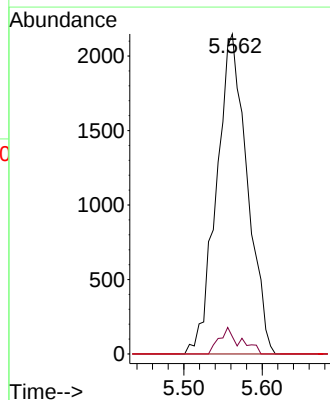
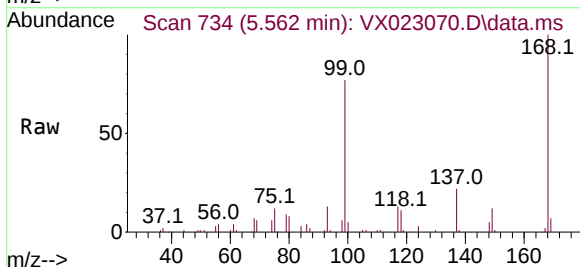
RT: 5.562 min Scan# 734

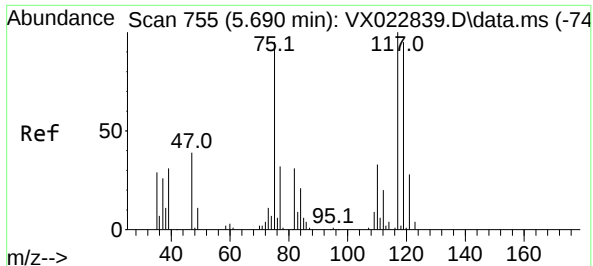
Delta R.T. -0.140 min

Lab File: VX023070.D

Acq: 01 Jul 2021 06:37

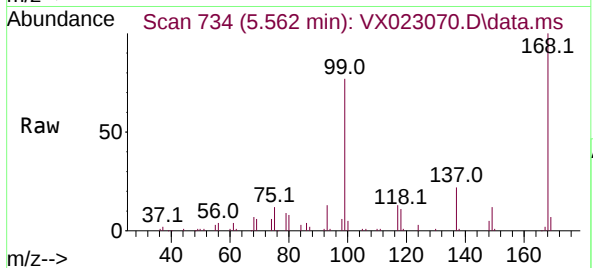
Tgt Ion: 75	Resp:	5845
Ion	Ratio	Lower Upper
75	100	
110	5.7	18.1 54.4#
77	0.0	25.3 37.9#



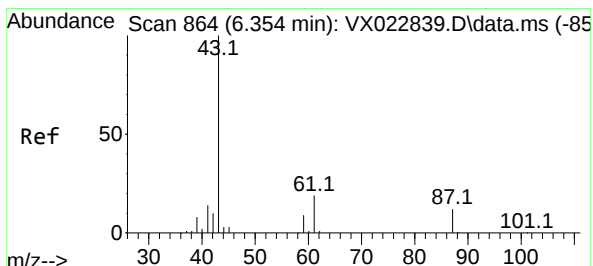
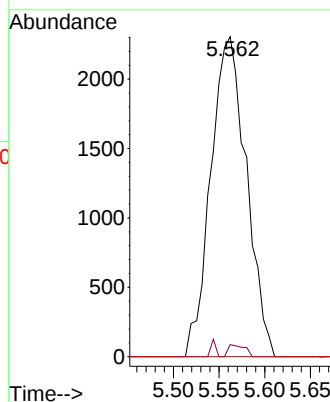
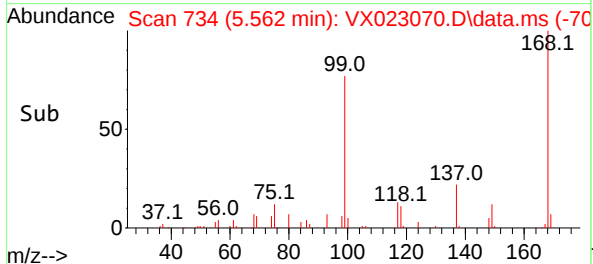


#38
Carbon Tetrachloride
Concen: 6.623 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023070.D
Acq: 01 Jul 2021 06:37

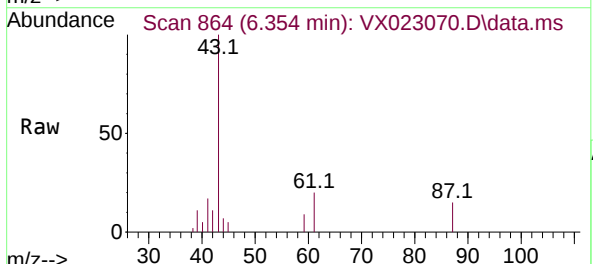
Instrument :
MSVOA_X
ClientSampleId :



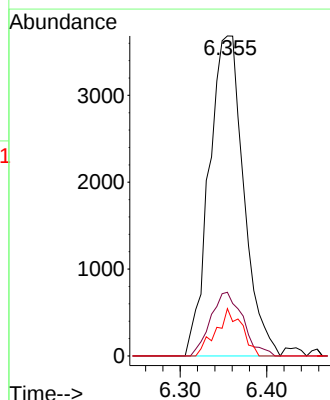
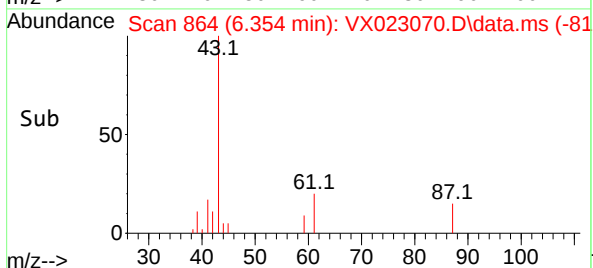
Tgt Ion:117 Resp: 6238
Ion Ratio Lower Upper
117 100
119 3.8 76.2 114.2#
121 0.0 24.8 37.2#

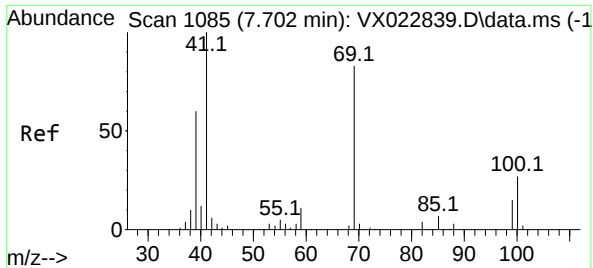


#43
Isopropyl Acetate
Concen: 4.881 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.000 min
Lab File: VX023070.D
Acq: 01 Jul 2021 06:37



Tgt Ion: 43 Resp: 10208
Ion Ratio Lower Upper
43 100
61 18.6 18.2 27.4
87 11.0 12.5 18.7#

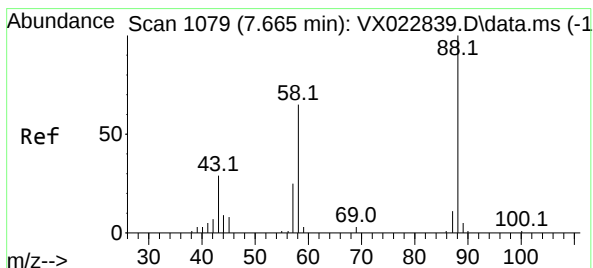
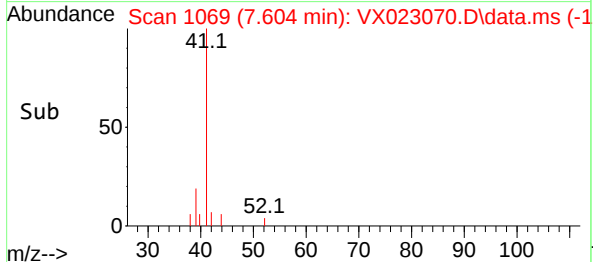
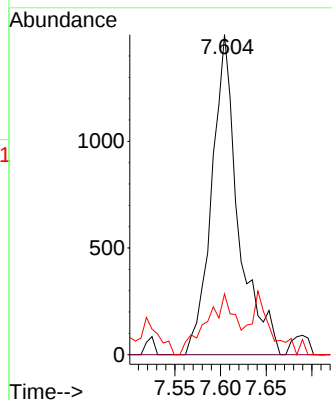
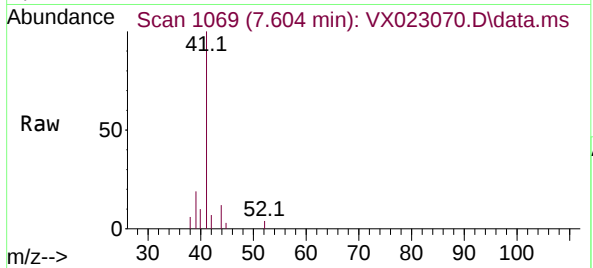




#48
Methyl methacrylate
Concen: 3.141 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023070.D
Acq: 01 Jul 2021 06:37

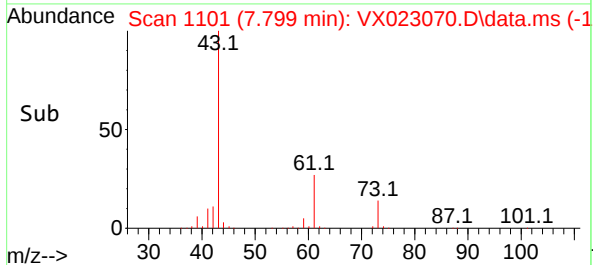
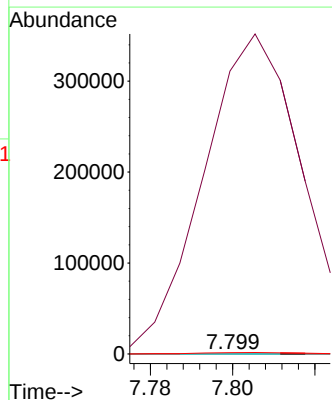
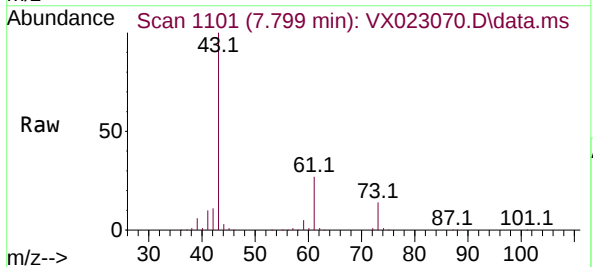
Instrument :
MSVOA_X
ClientSampleId :

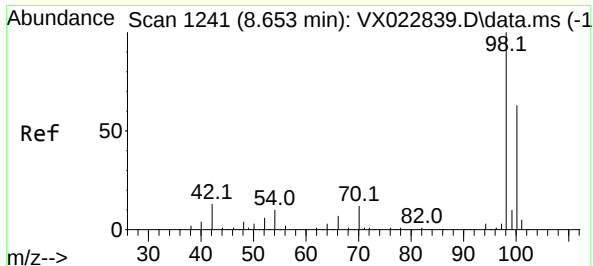
Tgt Ion: 41 Resp: 3040
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 1.200 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX023070.D
Acq: 01 Jul 2021 06:37

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 2424268.0 23.2 34.8#
58 11116.0 55.0 82.4#

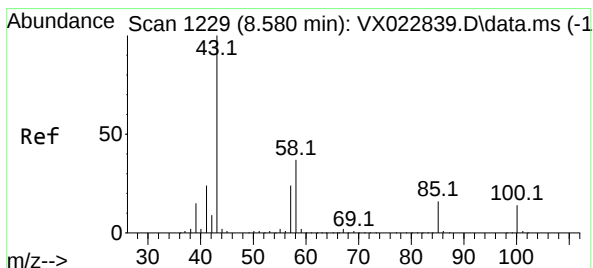
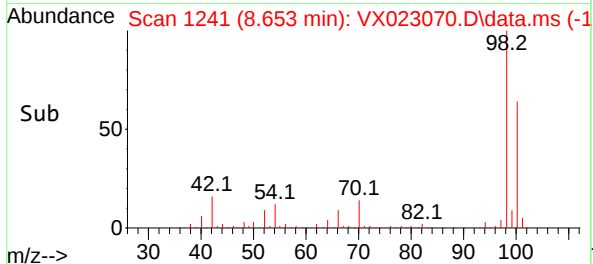
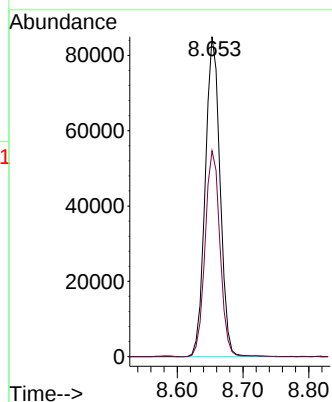
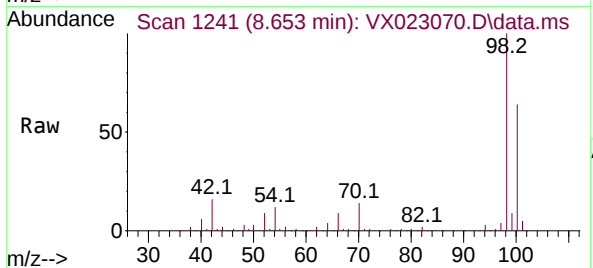




#50
Toluene-d8
Concen: 50.511 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023070.D
Acq: 01 Jul 2021 06:37

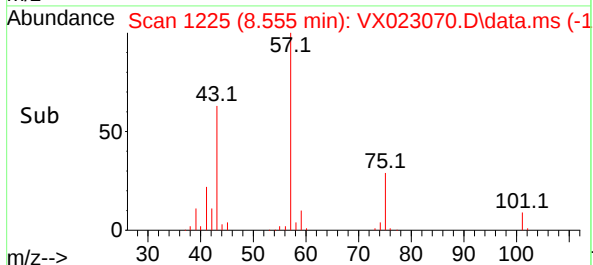
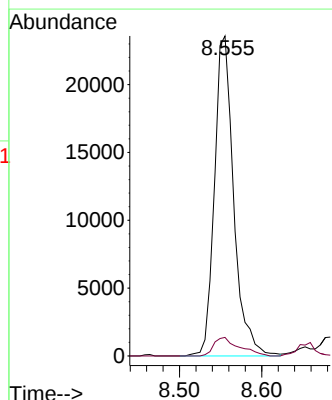
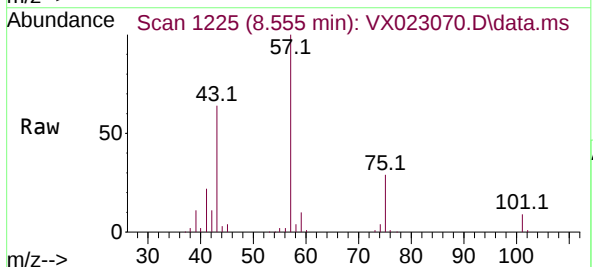
Instrument :
MSVOA_X
ClientSampled :

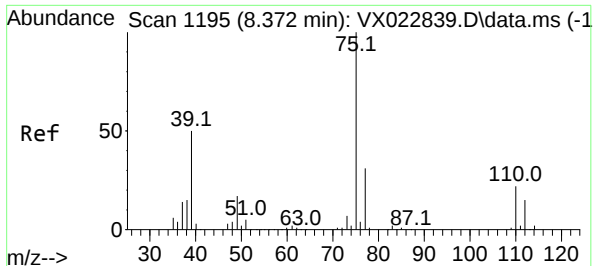
Tgt Ion: 98 Resp: 132910
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 29.492 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023070.D
Acq: 01 Jul 2021 06:37

Tgt Ion: 43 Resp: 38387
Ion Ratio Lower Upper
43 100
58 7.6 35.4 53.0#

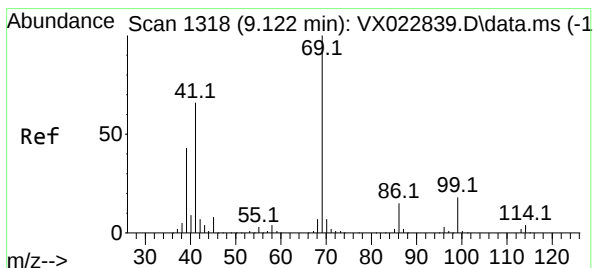
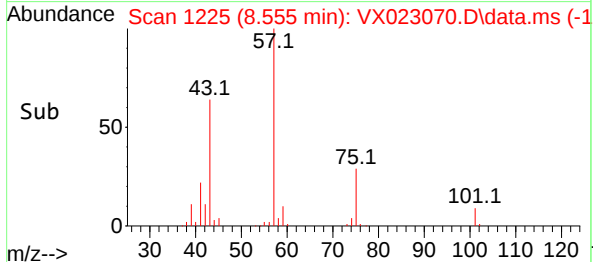
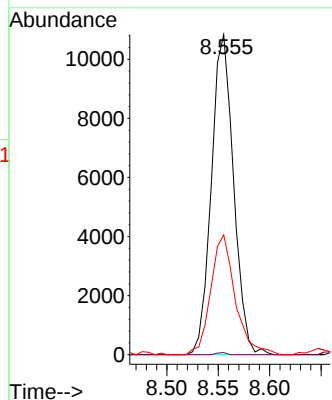
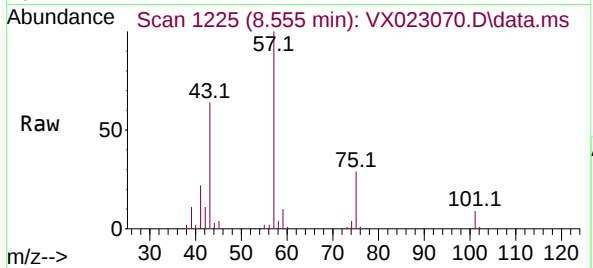




#54
 cis-1,3-Dichloropropene
 Concen: 13.420 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023070.D
 Acq: 01 Jul 2021 06:37

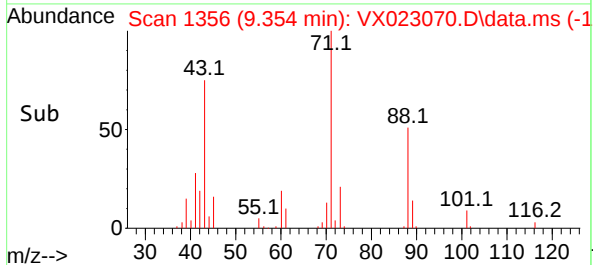
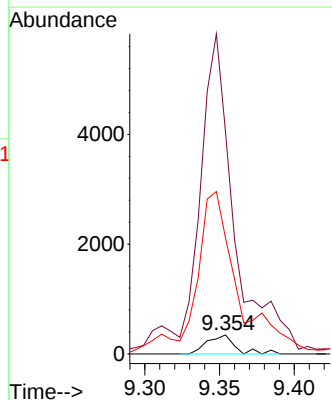
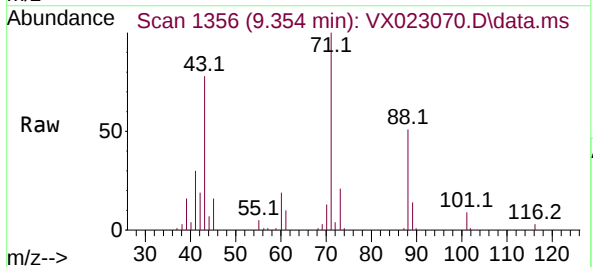
Instrument :
 MSVOA_X
 ClientSampled :

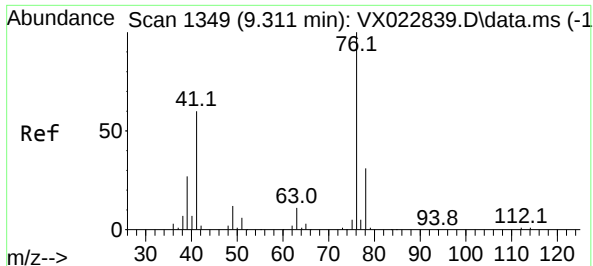
Tgt Ion: 75 Resp: 16229
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.7 38.5#
 39 37.4 35.1 52.7



#56
 Ethyl methacrylate
 Concen: 2.878 ug/l
 RT: 9.354 min Scan# 1356
 Delta R.T. 0.232 min
 Lab File: VX023070.D
 Acq: 01 Jul 2021 06:37

Tgt Ion: 69 Resp: 457
 Ion Ratio Lower Upper
 69 100
 41 2021.4 46.8 70.2#
 39 1255.1 24.7 37.1#



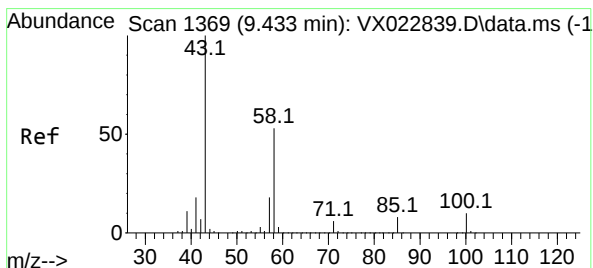
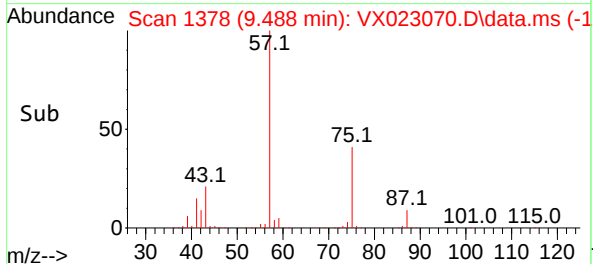
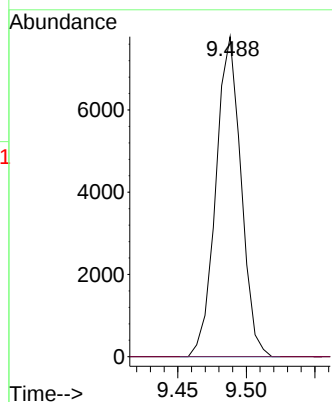
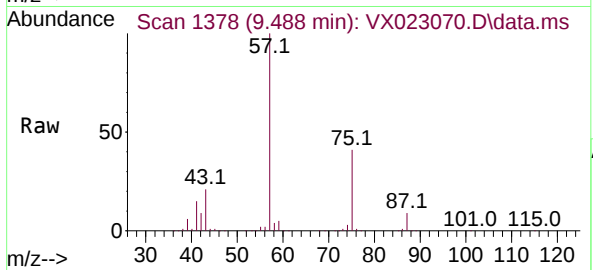


#57

1,3-Dichloropropane
Concen: 6.953 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023070.D
Acq: 01 Jul 2021 06:37

Instrument :
MSVOA_X
ClientSampleId :

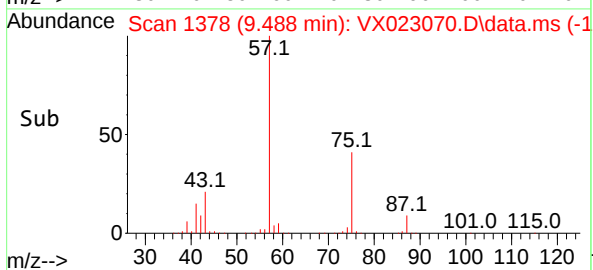
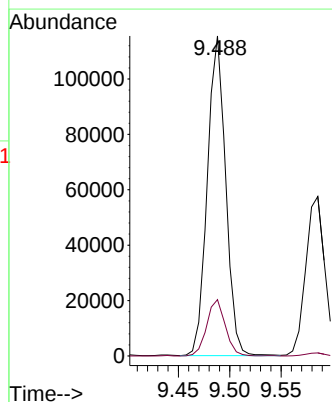
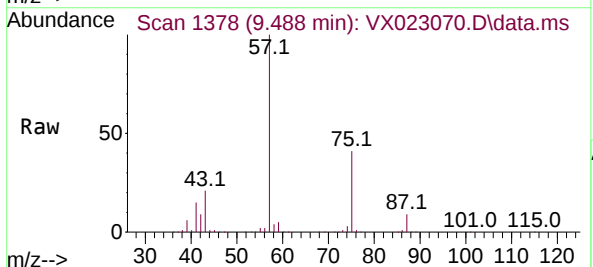
Tgt Ion: 76 Resp: 9926
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

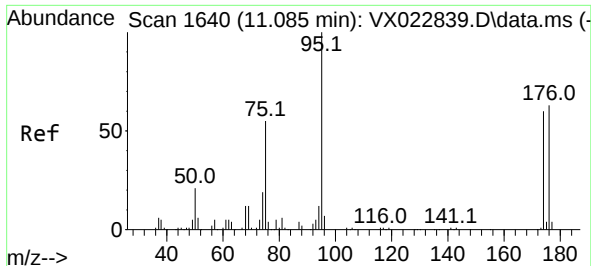


#59

2-Hexanone
Concen: 145.661 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023070.D
Acq: 01 Jul 2021 06:37

Tgt Ion: 43 Resp: 143836
Ion Ratio Lower Upper
43 100
58 17.9 30.9 92.8#

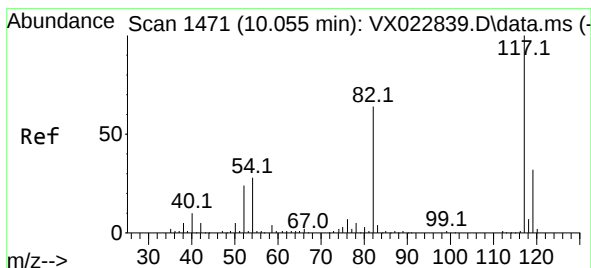
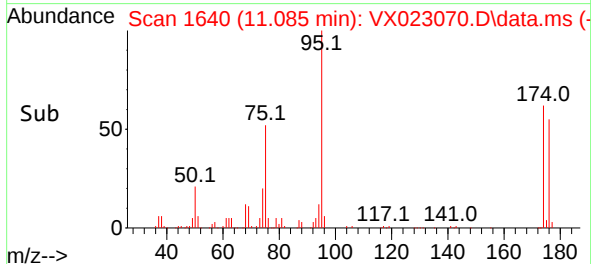
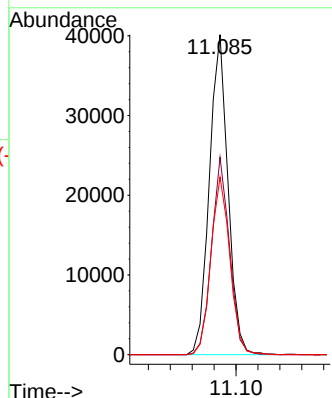
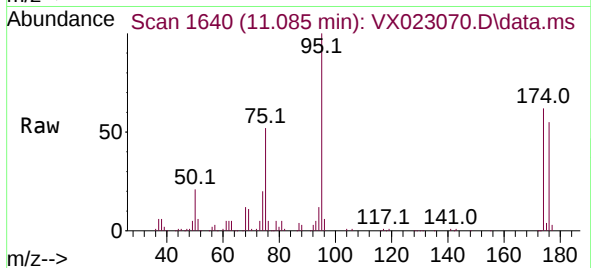




#62
4-Bromofluorobenzene
Concen: 48.199 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023070.D
Acq: 01 Jul 2021 06:37

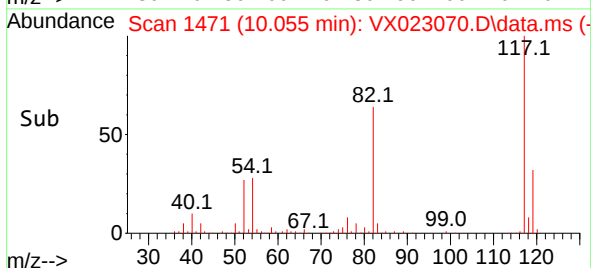
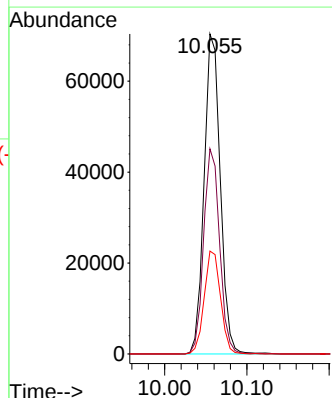
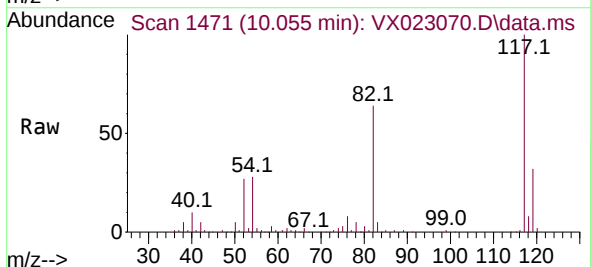
Instrument :
MSVOA_X
ClientSampleId :

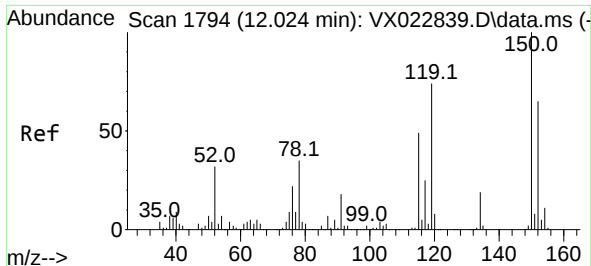
Tgt Ion: 95 Resp: 47333
Ion Ratio Lower Upper
95 100
174 59.9 0.0 154.6
176 56.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023070.D
Acq: 01 Jul 2021 06:37

Tgt Ion: 117 Resp: 96002
Ion Ratio Lower Upper
117 100
82 64.1 47.4 71.2
119 32.1 26.6 39.8

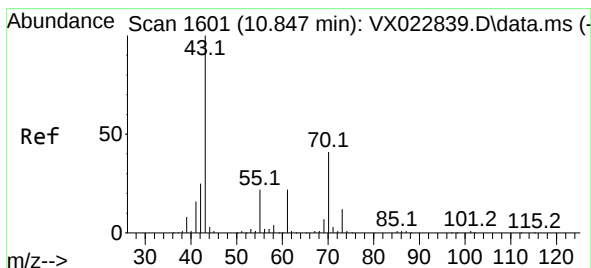
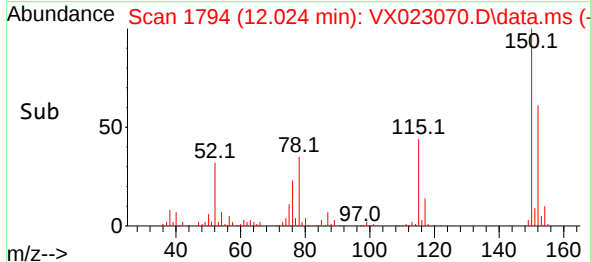
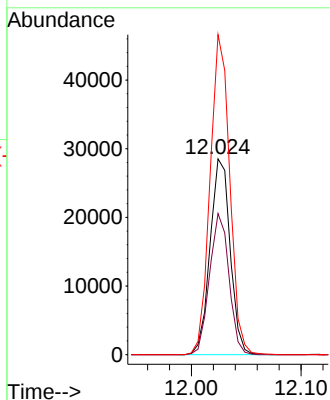
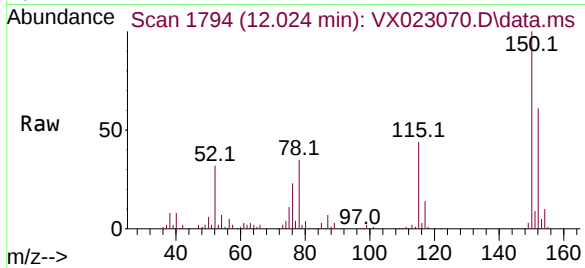




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023070.D
 Acq: 01 Jul 2021 06:37

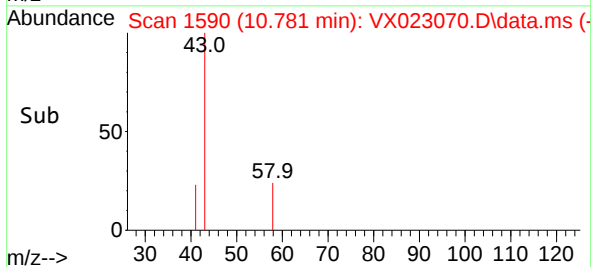
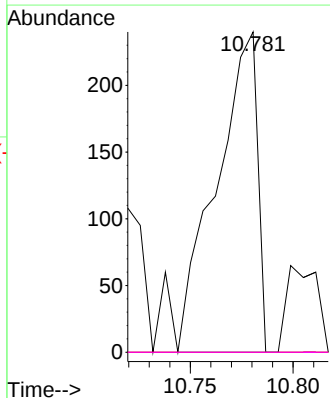
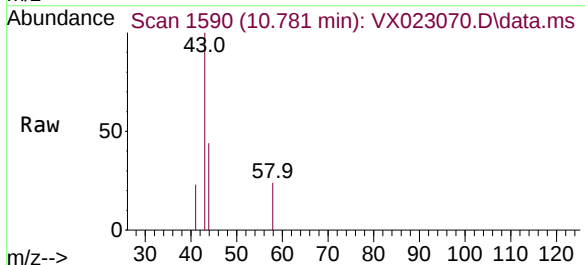
Instrument :
 MSVOA_X
 ClientSampled :

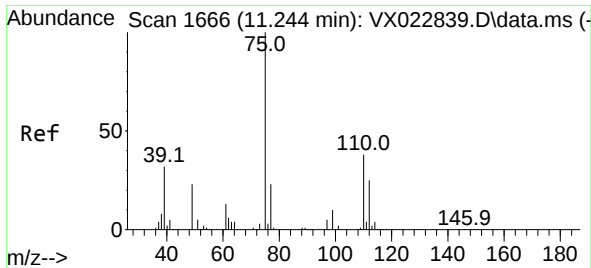
Tgt Ion:152 Resp: 36362
 Ion Ratio Lower Upper
 152 100
 115 69.5 41.1 123.3
 150 159.4 0.0 349.0



#74
 N-ethyl acetate
 Concen: 2.239 ug/l
 RT: 10.781 min Scan# 1590
 Delta R.T. -0.066 min
 Lab File: VX023070.D
 Acq: 01 Jul 2021 06:37

Tgt Ion: 43 Resp: 333
 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#

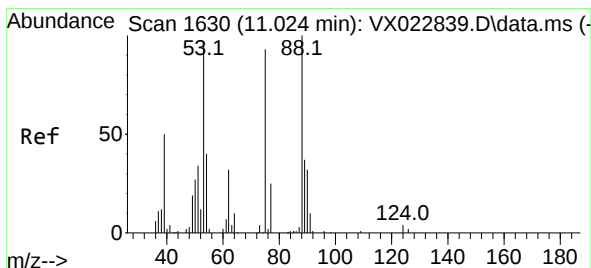
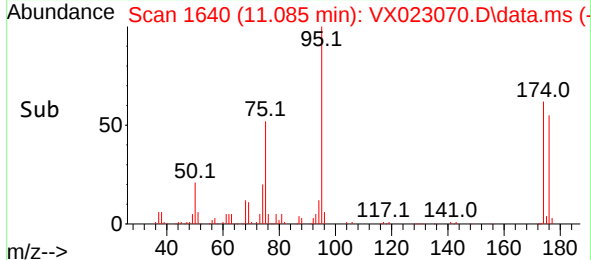
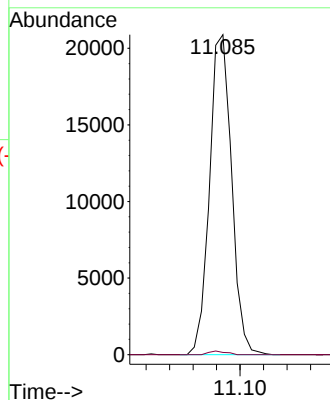
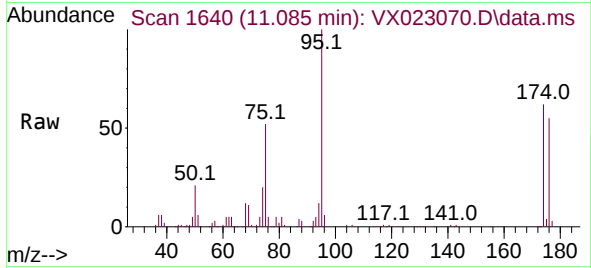




#76
1,2,3-Trichloropropane
Concen: 28.372 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023070.D
Acq: 01 Jul 2021 06:37

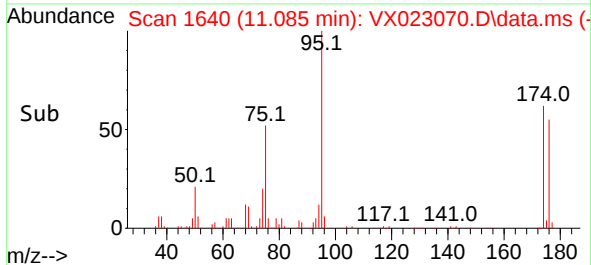
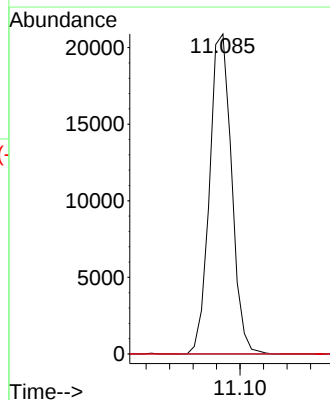
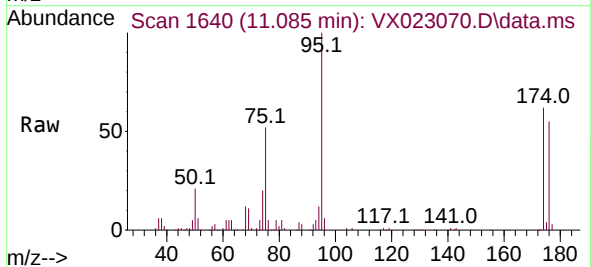
Instrument :
MSVOA_X
ClientSampleId :

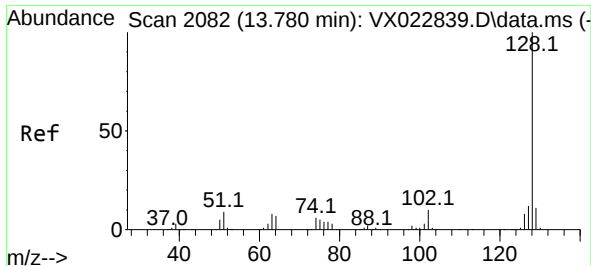
Tgt Ion: 75 Resp: 27250
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.165 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023070.D
Acq: 01 Jul 2021 06:37

Tgt Ion: 75 Resp: 27250
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95

Naphthalene

Concen: 1.929 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VX023070.D

Acq: 01 Jul 2021 06:37

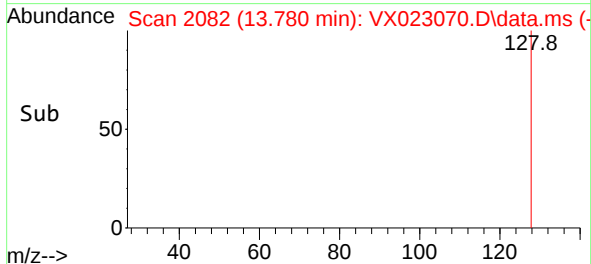
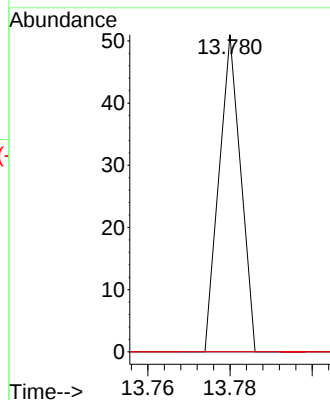
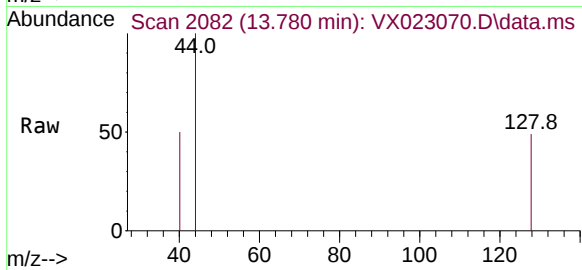
Tgt Ion:128 Resp: 19

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.8 13.2#



Instrument :
MSVOA_X
ClientSampleId :