

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063021\
 Data File : VX023056.D
 Acq On : 01 Jul 2021 01:08
 Operator : JC/MD
 Sample : PB137429TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

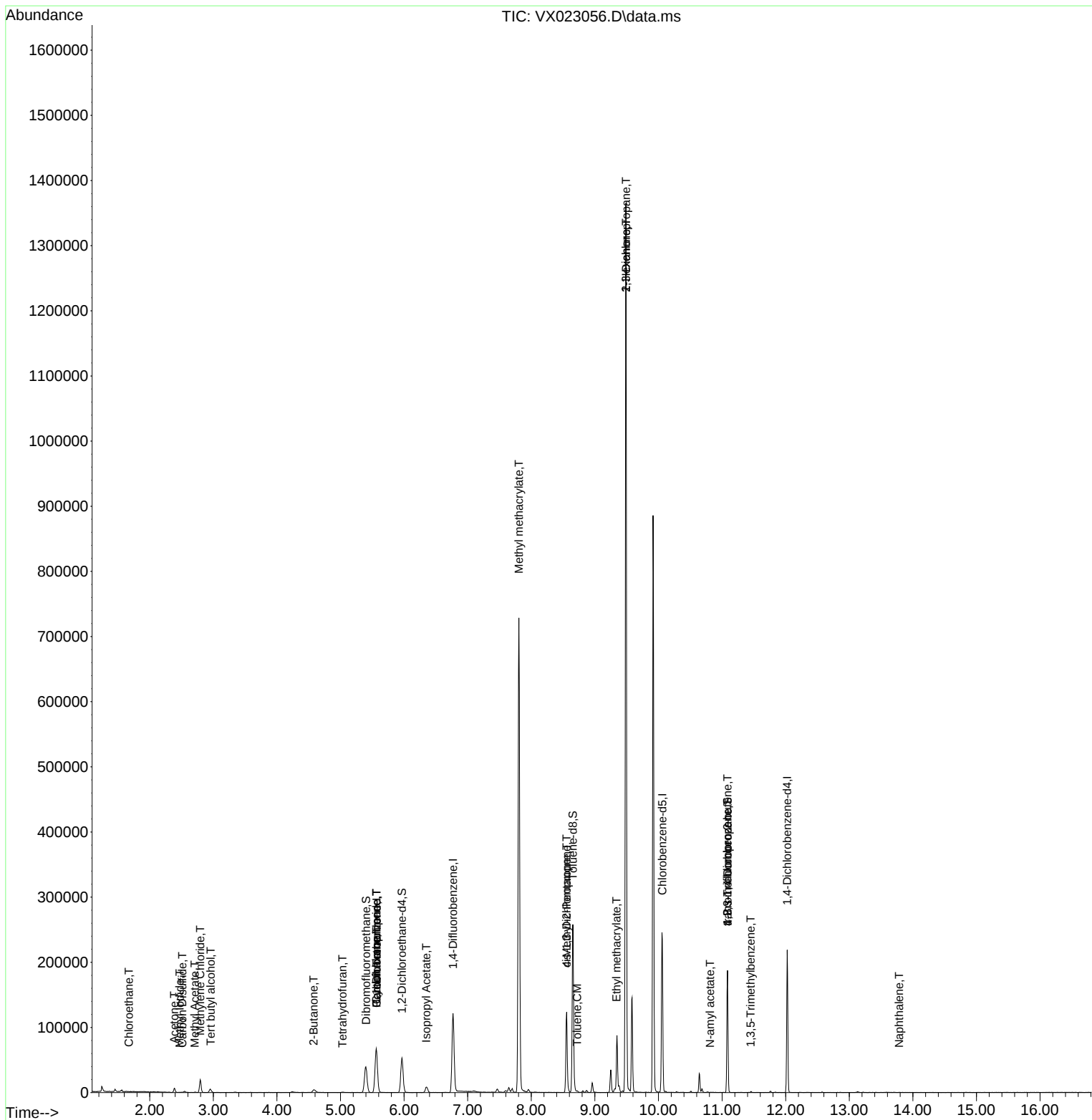
Quant Time: Jul 01 03:30:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

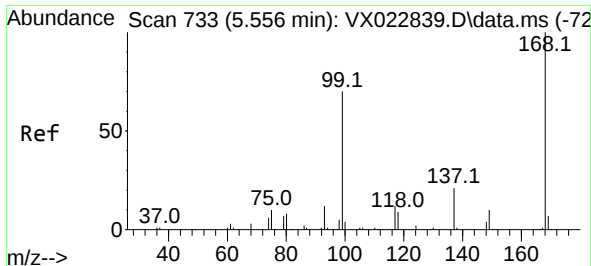
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.568	168	52300	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	6.769	114	112045	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	100587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	37970	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	50273	52.967	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.940%			
35) Dibromofluoromethane	5.403	113	33696	47.358	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.720%			
50) Toluene-d8	8.653	98	137232	49.213	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.420%			
62) 4-Bromofluorobenzene	11.085	95	48296	46.407	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.820%			
Target Compounds						Qvalue
6) Chloroethane	1.672	64	286	0.619	ug/l #	43
10) Methyl Iodide	2.471	142	249	4.160	ug/l #	71
11) Tert butyl alcohol	2.959	59	3517	17.779	ug/l #	73
16) Acetone	2.386	43	6672	15.856	ug/l	100
17) Carbon Disulfide	2.514	76	349	3.691	ug/l #	75
18) Methyl Acetate	2.709	43	673	0.650	ug/l #	85
20) Methylene Chloride	2.794	84	8114	10.023	ug/l #	81
25) 2-Butanone	4.574	43	3699	5.653	ug/l	92
29) Tetrahydrofuran	5.032	42	465	1.105	ug/l #	56
31) Cyclohexane	5.562	56	1616	1.206	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	5831	4.900	ug/l #	48
38) Carbon Tetrachloride	5.568	117	6446	6.458	ug/l #	17
43) Isopropyl Acetate	6.348	43	11860	5.351	ug/l #	93
48) Methyl methacrylate	7.805	41	65706	64.056	ug/l #	38
51) 4-Methyl-2-Pentanone	8.555	43	44336	32.142	ug/l #	44
52) Toluene	8.720	92	480	0.231	ug/l	76
54) cis-1,3-Dichloropropene	8.555	75	17991	13.919	ug/l #	73
56) Ethyl methacrylate	9.342	69	368	2.806	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	10851	7.172	ug/l #	42
59) 2-Hexanone	9.488	43	158747	151.696	ug/l #	43
74) N-amyl acetate	10.811	43	280	2.203	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	27360	27.280	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	722	0.274	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.085	75	27360	70.600	ug/l #	12
95) Naphthalene	13.786	128	164	1.973	ug/l #	69

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

Quant Time: Jul 01 03:30:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
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Response via : Initial Calibration

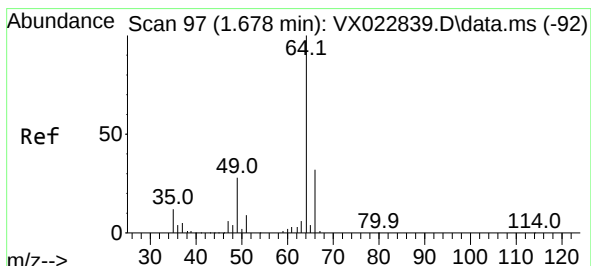
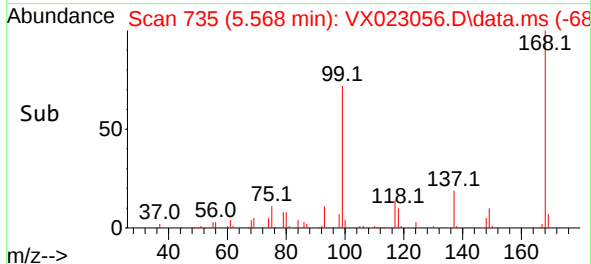
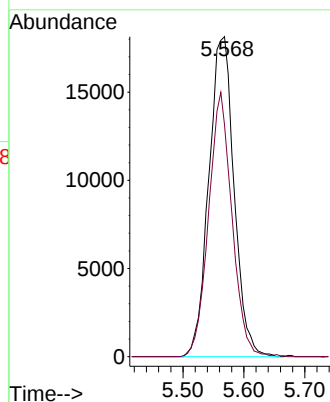
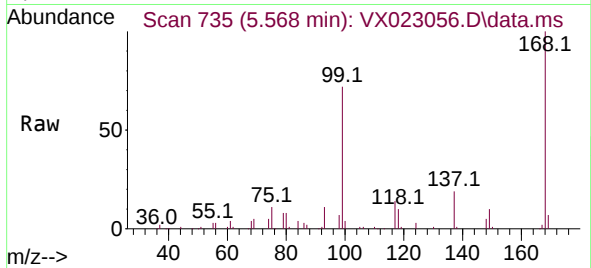




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.012 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

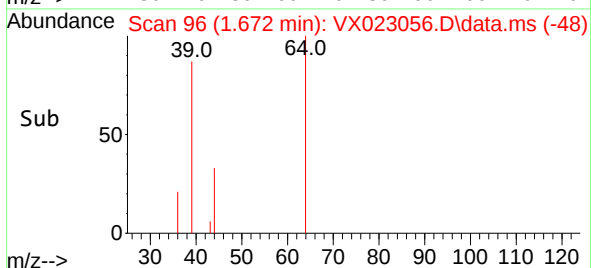
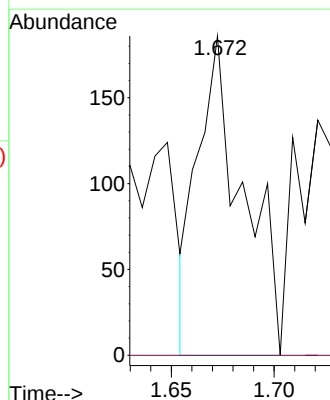
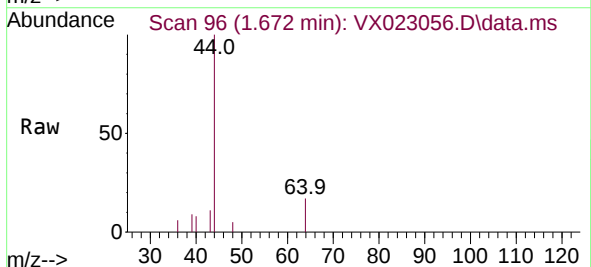
Instrument :
MSVOA_X
ClientSampled :

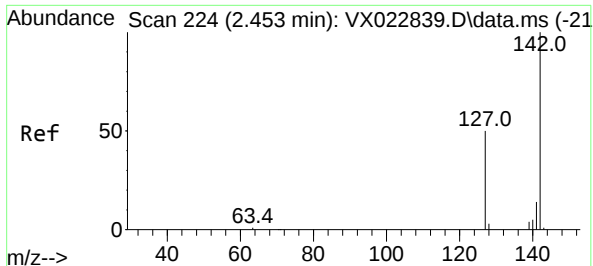
Tgt Ion:168 Resp: 52300
Ion Ratio Lower Upper
168 100
99 72.5 45.8 68.6#



#6
Chloroethane
Concen: 0.619 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

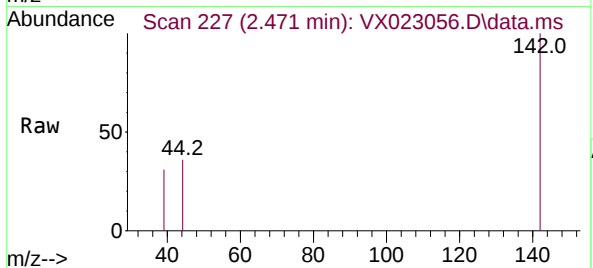
Tgt Ion: 64 Resp: 286
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



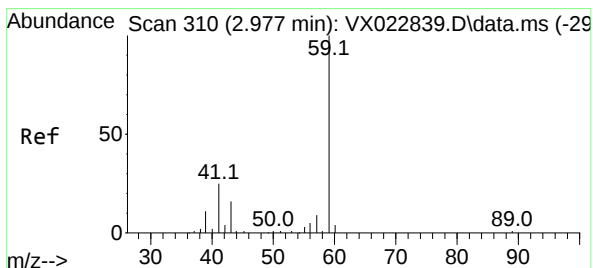
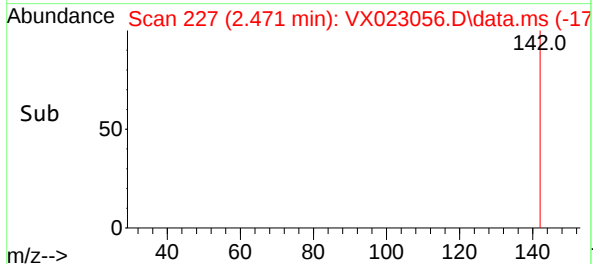
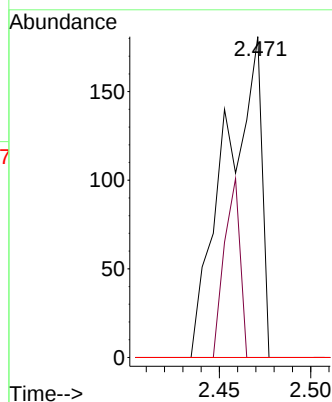


#10
Methyl Iodide
Concen: 4.160 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

Instrument :
MSVOA_X
ClientSampled :

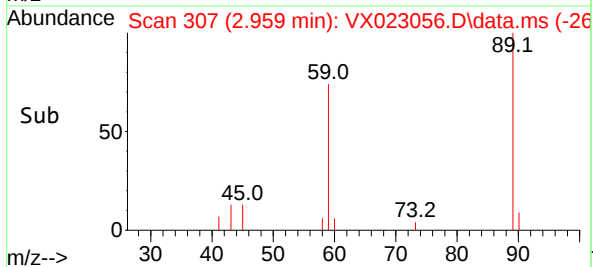
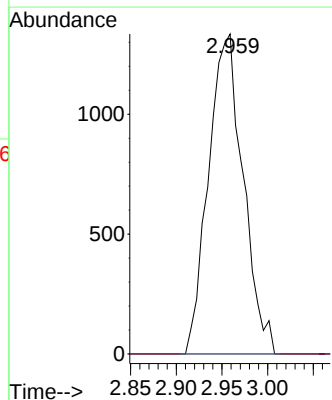
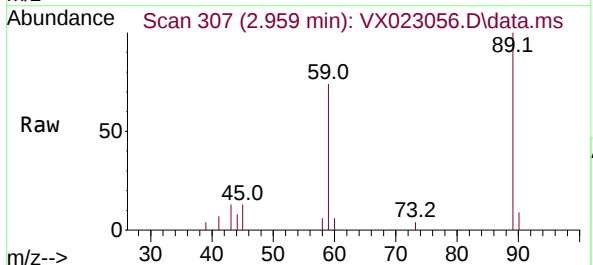


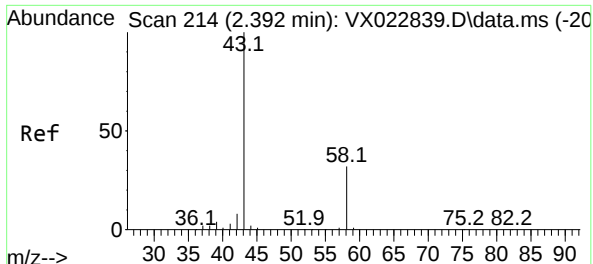
Tgt Ion:142 Resp: 249
Ion Ratio Lower Upper
142 100
127 24.5 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 17.779 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

Tgt Ion: 59 Resp: 3517
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

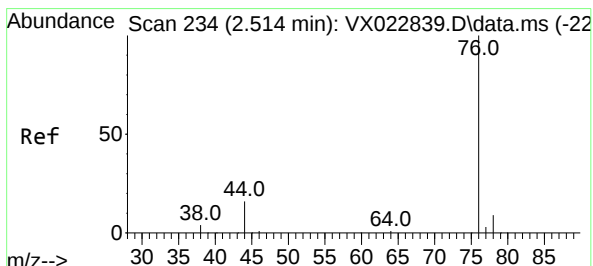
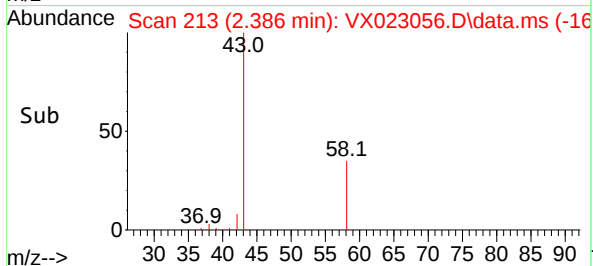
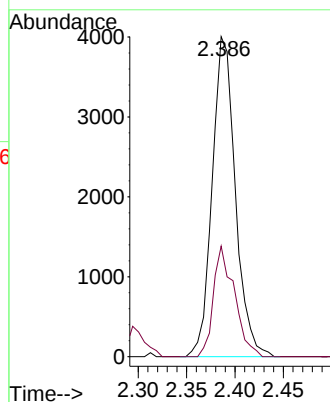
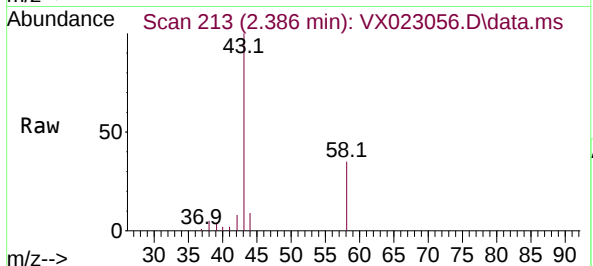




#16
Acetone
Concen: 15.856 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

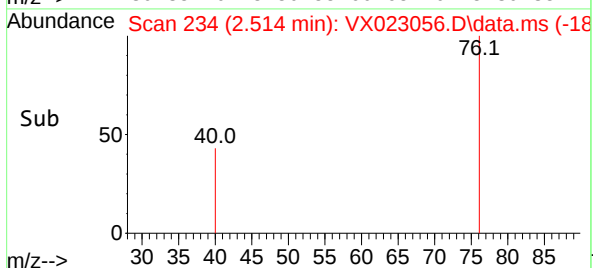
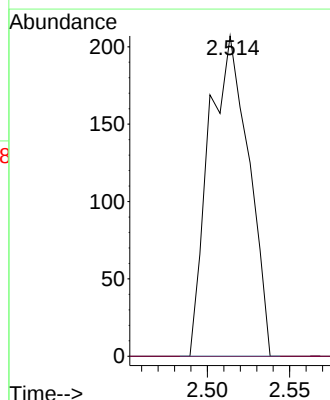
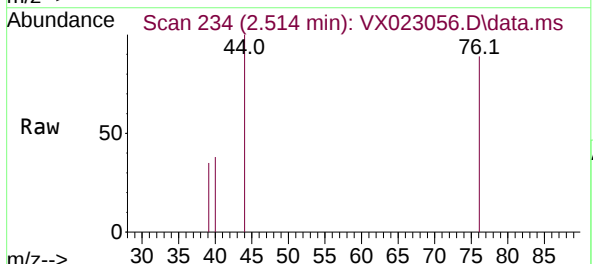
Instrument :
MSVOA_X
ClientSampled :

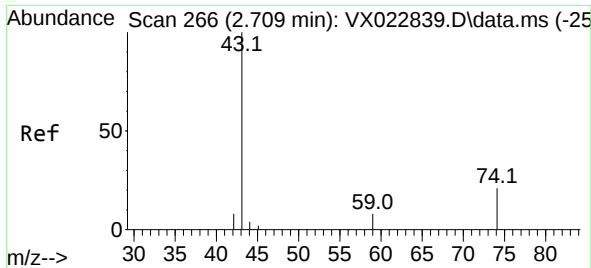
Tgt Ion: 43 Resp: 6672
Ion Ratio Lower Upper
43 100
58 34.6 27.8 41.8



#17
Carbon Disulfide
Concen: 3.691 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

Tgt Ion: 76 Resp: 349
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

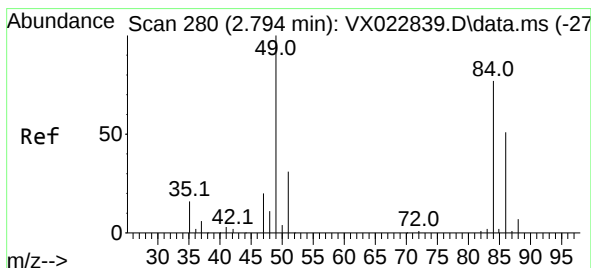
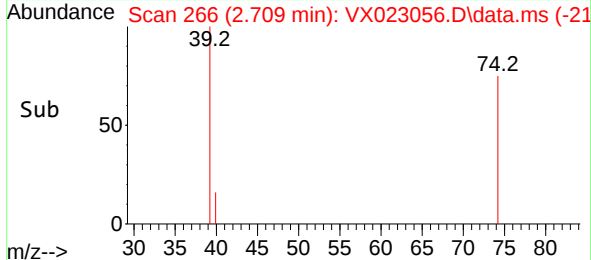
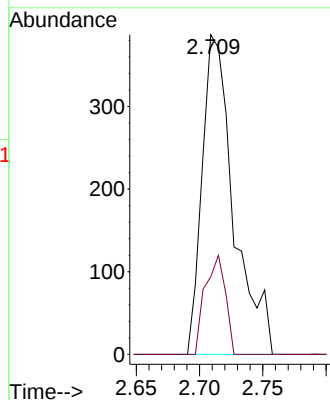
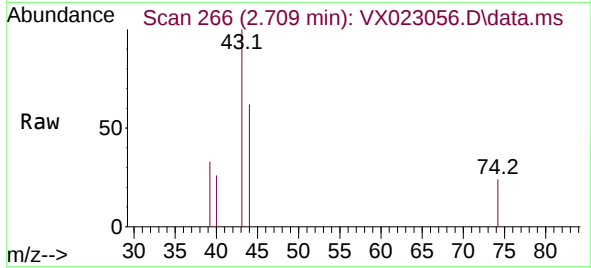




#18
Methyl Acetate
Concen: 0.650 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

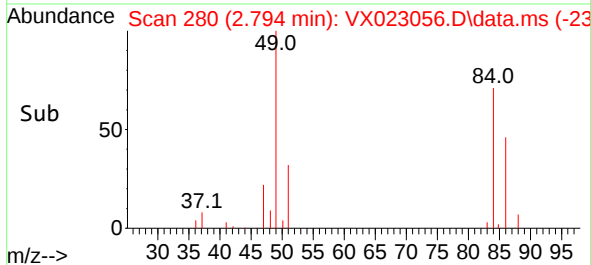
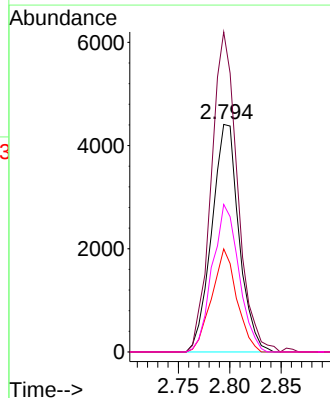
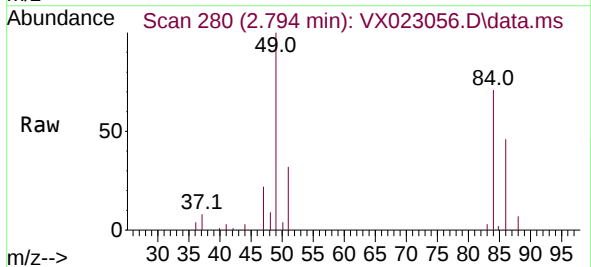
Instrument :
MSVOA_X
ClientSampled :

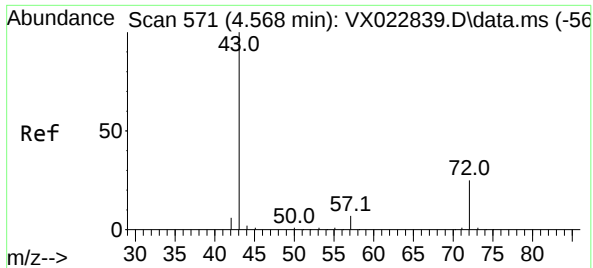
Tgt Ion: 43 Resp: 673
Ion Ratio Lower Upper
43 100
74 19.8 21.9 32.9#



#20
Methylene Chloride
Concen: 10.023 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

Tgt Ion: 84 Resp: 8114
Ion Ratio Lower Upper
84 100
49 140.6 88.6 132.8#
51 45.2 27.0 40.6#
86 64.8 50.3 75.5

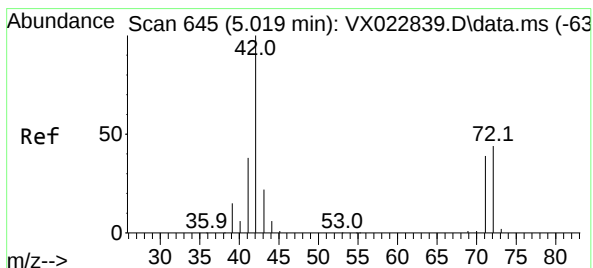
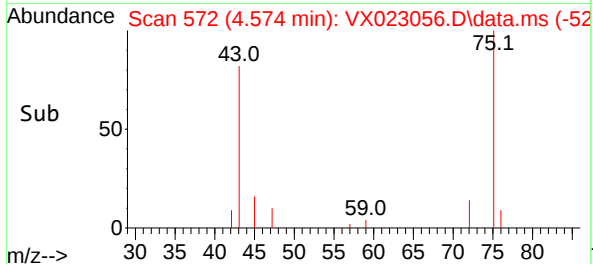
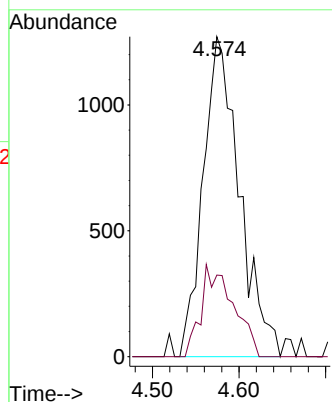
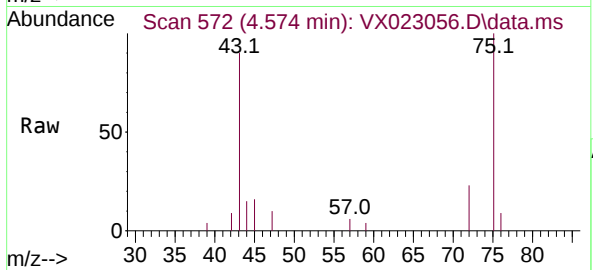




#25
2-Butanone
Concen: 5.653 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

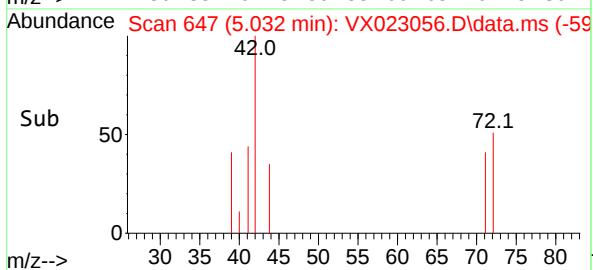
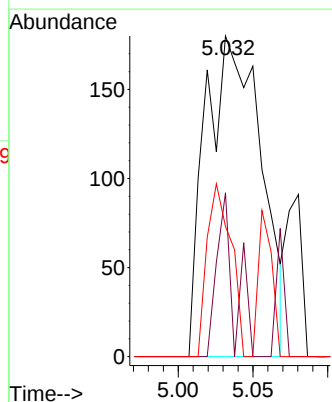
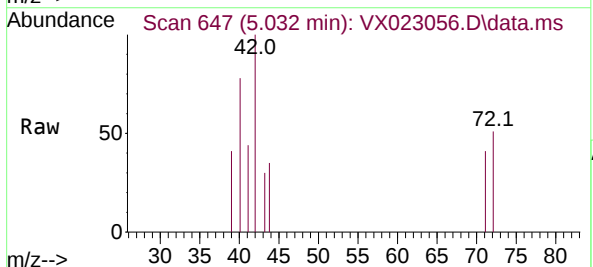
Instrument :
MSVOA_X
ClientSampled :

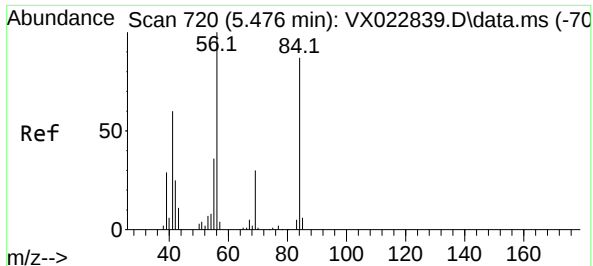
Tgt Ion: 43 Resp: 3699
Ion Ratio Lower Upper
43 100
72 25.5 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.105 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.013 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

Tgt Ion: 42 Resp: 465
Ion Ratio Lower Upper
42 100
72 16.3 41.7 62.5#
71 23.4 38.4 57.6#

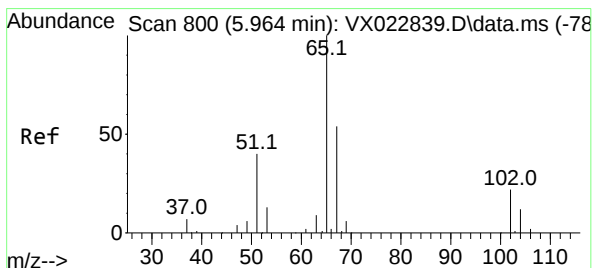
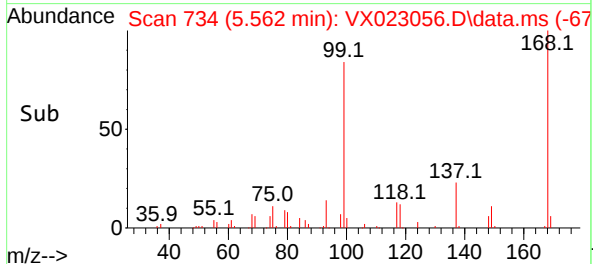
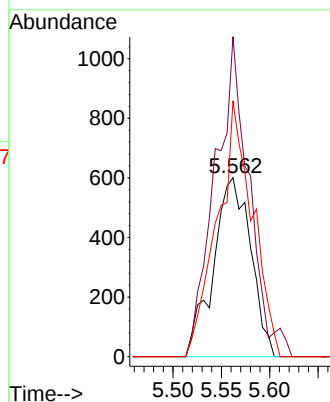
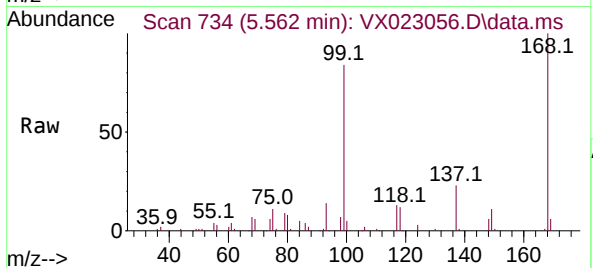




#31
Cyclohexane
Concen: 1.206 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.086 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

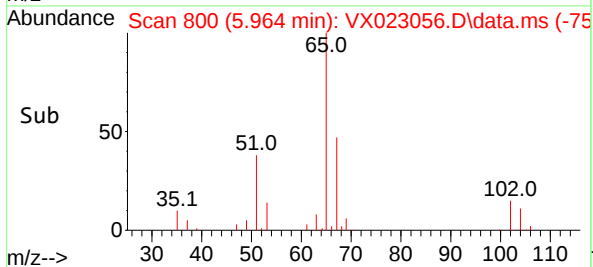
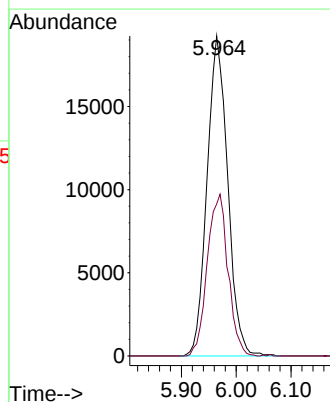
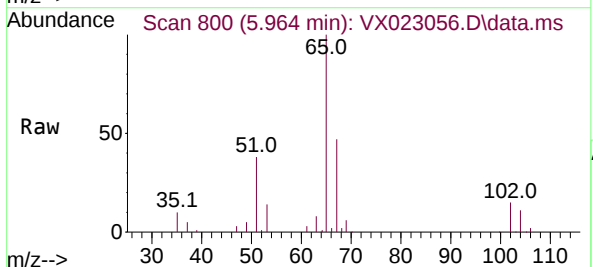
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MSVOA_X
ClientSampleId :

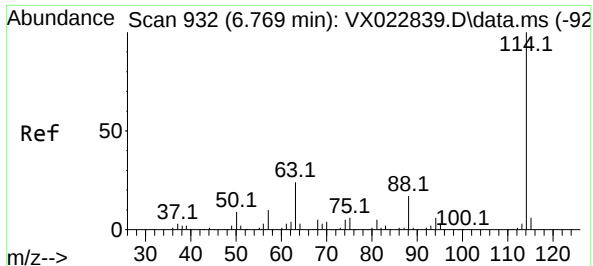
Tgt Ion: 56 Resp: 1616
Ion Ratio Lower Upper
56 100
69 178.7 25.3 37.9#
84 142.8 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 52.967 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

Tgt Ion: 65 Resp: 50273
Ion Ratio Lower Upper
65 100
67 50.8 0.0 105.4

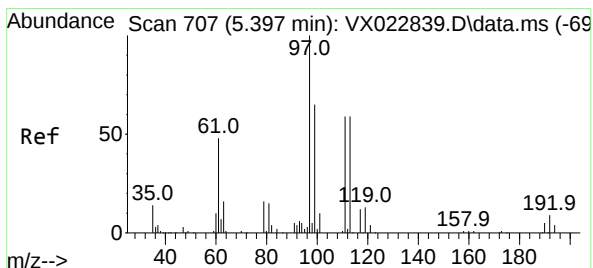
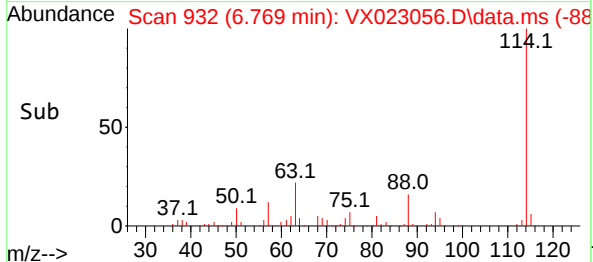
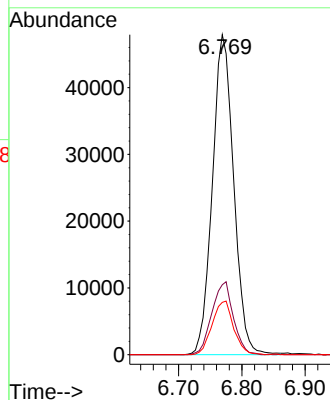
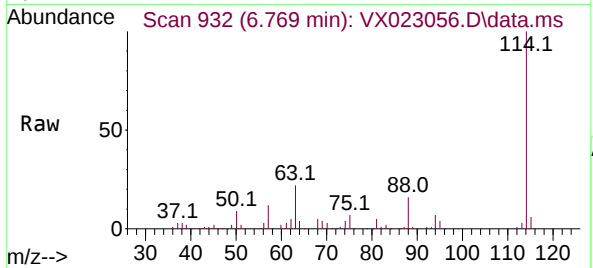




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

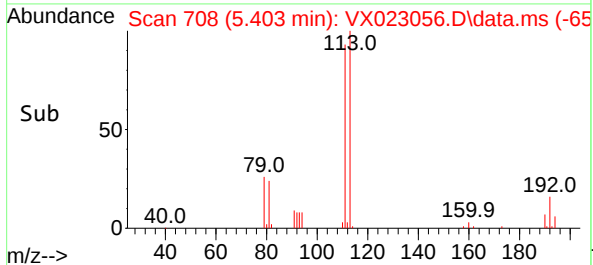
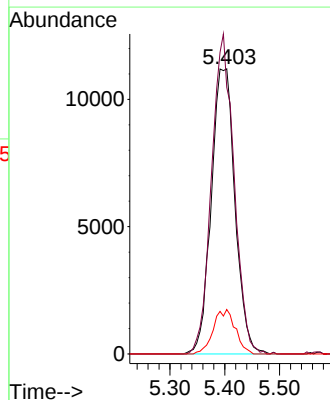
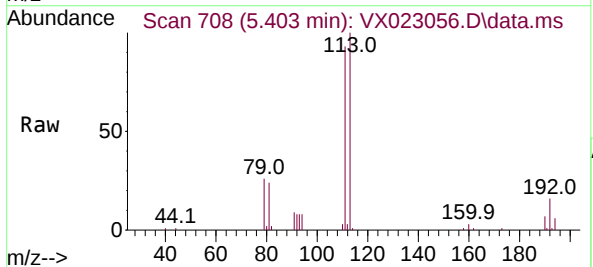
Instrument :
MSVOA_X
ClientSampled :

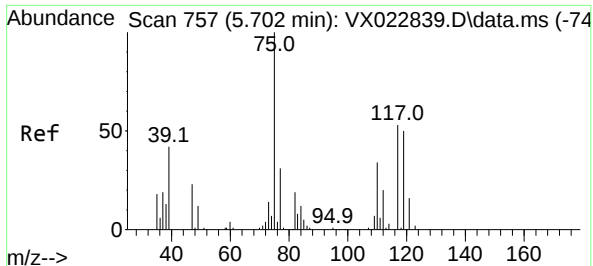
Tgt Ion:114 Resp: 112045
Ion Ratio Lower Upper
114 100
63 21.9 0.0 40.8
88 16.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.358 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

Tgt Ion:113 Resp: 33696
Ion Ratio Lower Upper
113 100
111 106.1 81.9 122.9
192 14.5 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 4.900 ug/l

RT: 5.562 min Scan# 734

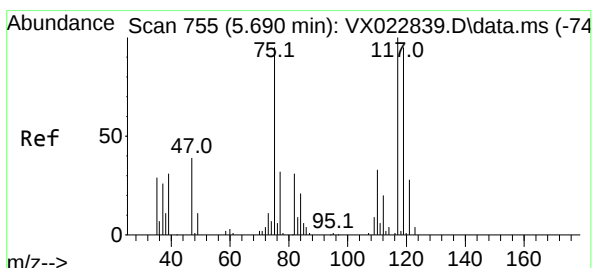
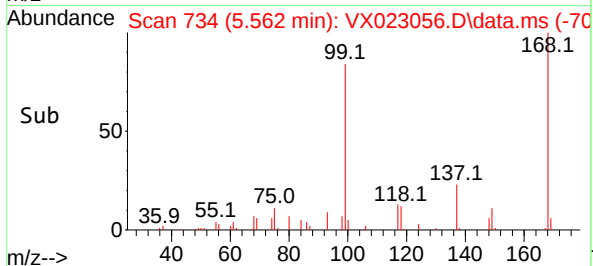
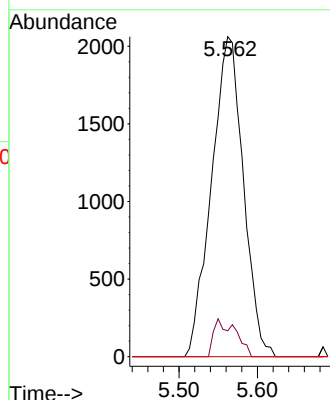
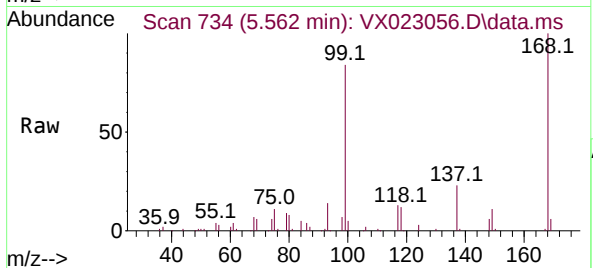
Delta R.T. -0.140 min

Lab File: VX023056.D

Acq: 01 Jul 2021 01:08

Tgt Ion: 75	Resp: 5831
Ion Ratio	Lower Upper
75 100	
110 8.0	18.1 54.4#
77 0.0	25.3 37.9#

Instrument :
MSVOA_X
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.458 ug/l

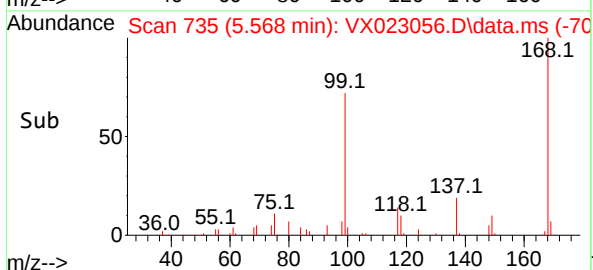
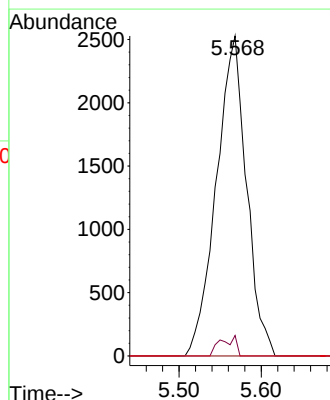
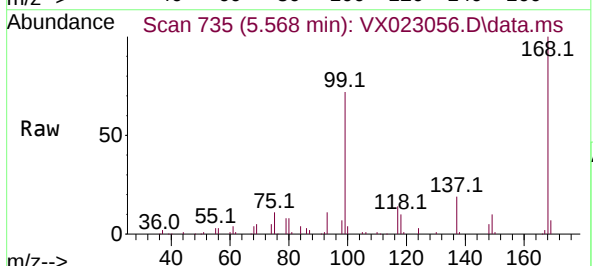
RT: 5.568 min Scan# 735

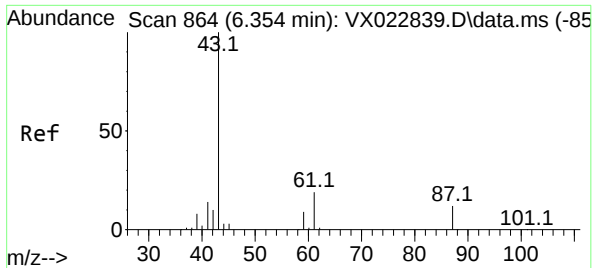
Delta R.T. -0.122 min

Lab File: VX023056.D

Acq: 01 Jul 2021 01:08

Tgt Ion: 117	Resp: 6446
Ion Ratio	Lower Upper
117 100	
119 6.4	76.2 114.2#
121 0.0	24.8 37.2#

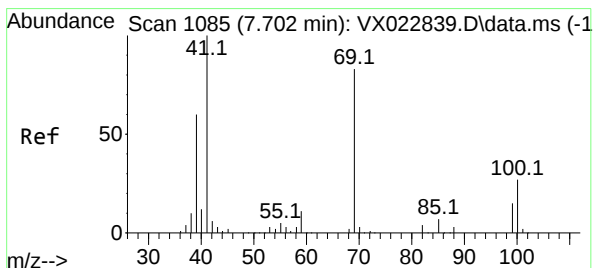
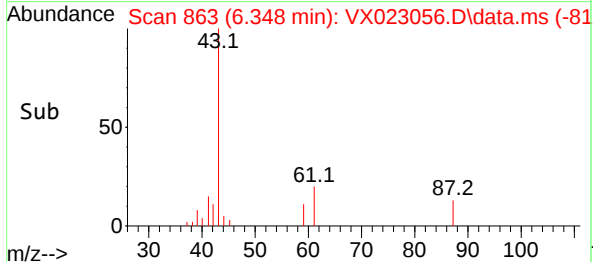
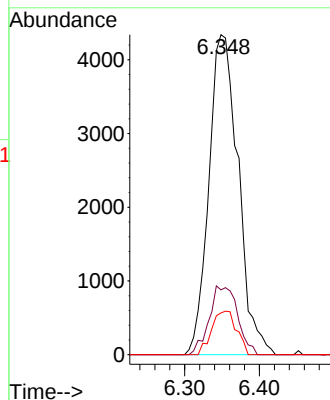
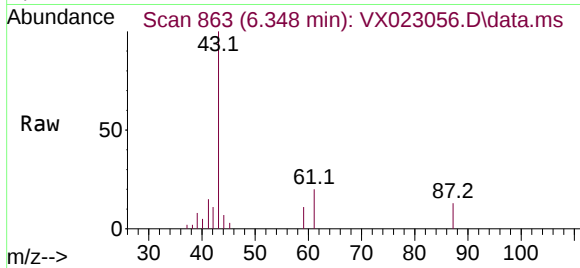




#43
Isopropyl Acetate
Concen: 5.351 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

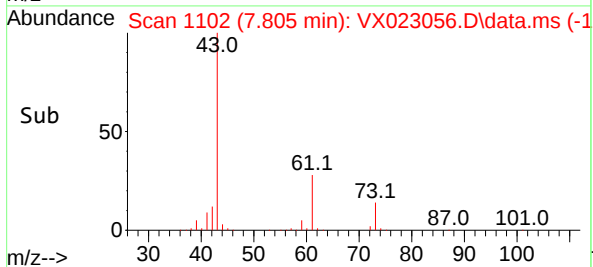
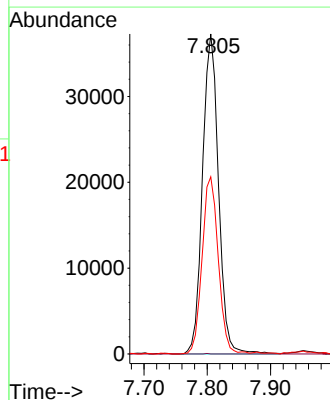
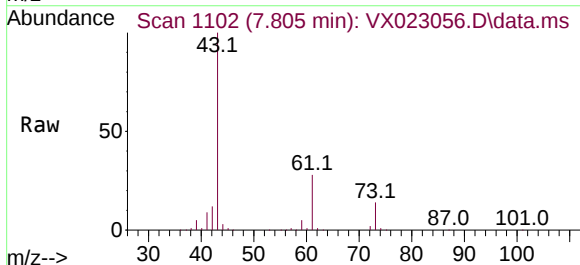
Instrument :
MSVOA_X
ClientSampleId :

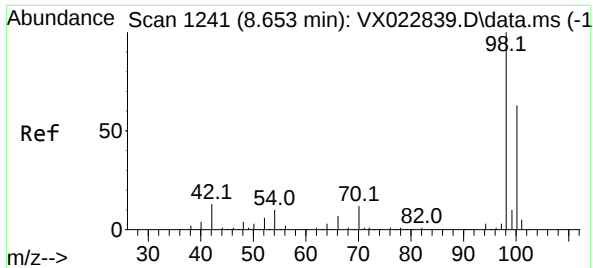
Tgt Ion: 43	Resp: 11860
Ion Ratio	Lower Upper
43 100	
61 20.6	18.2 27.4
87 11.6	12.5 18.7#



#48
Methyl methacrylate
Concen: 64.056 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

Tgt Ion: 41	Resp: 65706
Ion Ratio	Lower Upper
41 100	
69 0.0	76.0 114.0#
39 55.9	44.6 67.0

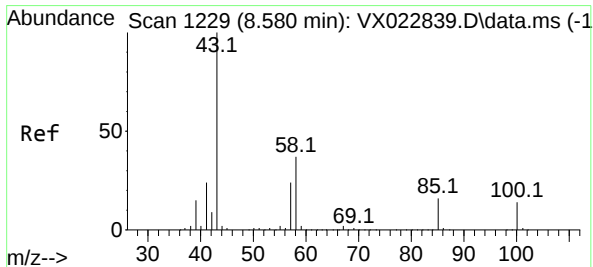
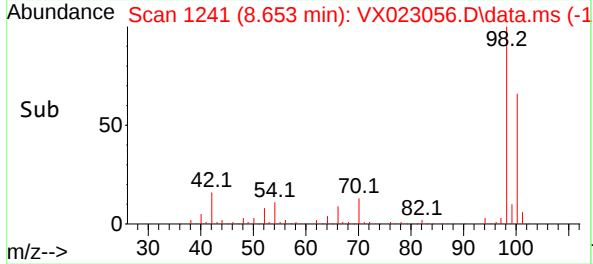
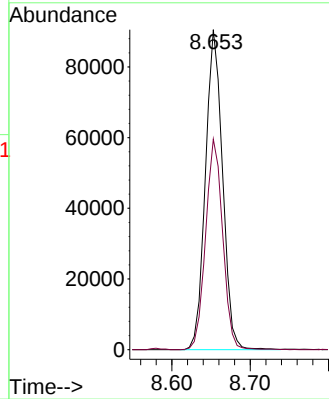
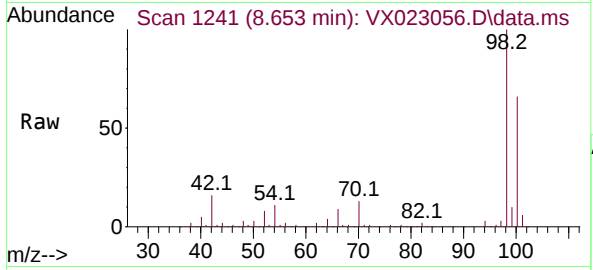




#50
Toluene-d8
Concen: 49.213 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

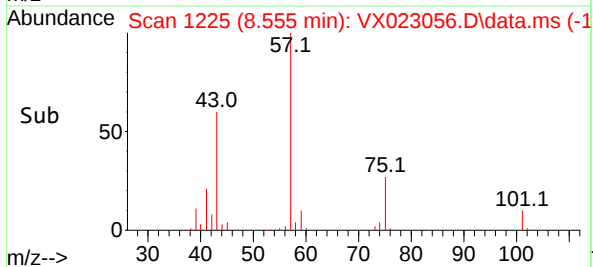
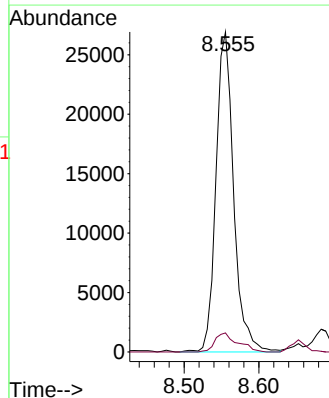
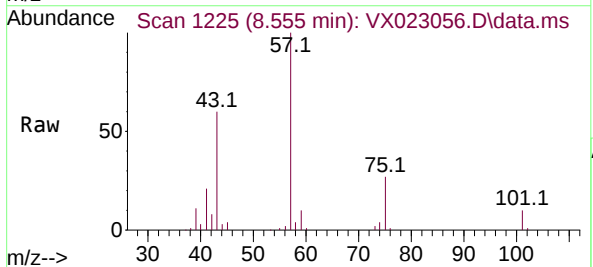
Instrument :
MSVOA_X
ClientSampled :

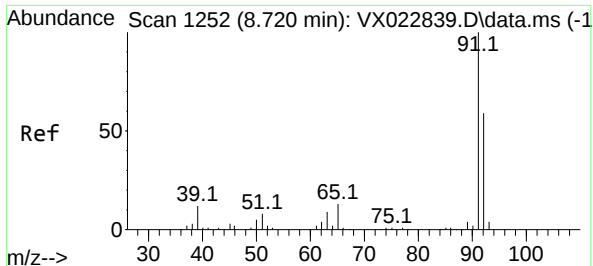
Tgt Ion: 98 Resp: 137232
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 32.142 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

Tgt Ion: 43 Resp: 44336
Ion Ratio Lower Upper
43 100
58 7.6 35.4 53.0#





#52

Toluene

Concen: 0.231 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX023056.D

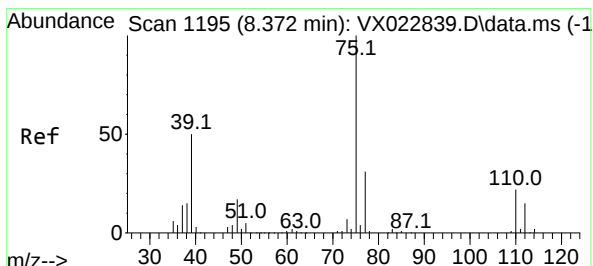
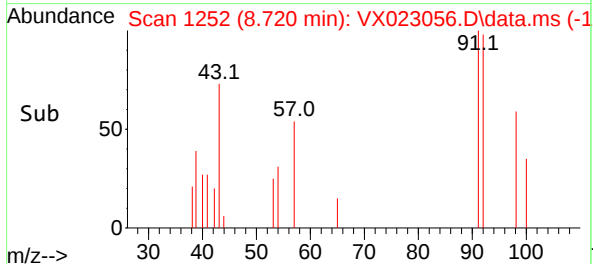
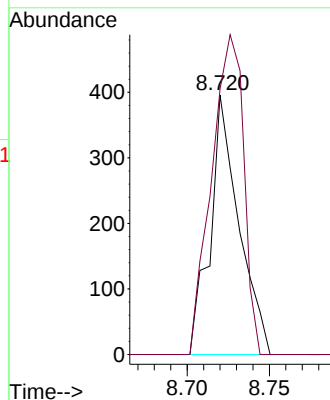
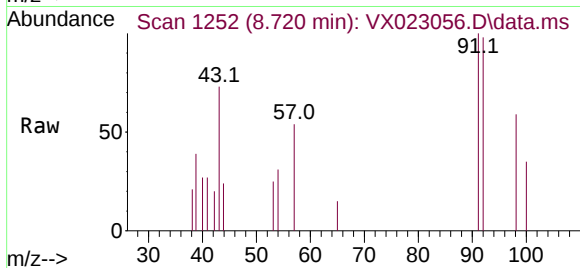
Acq: 01 Jul 2021 01:08

Tgt Ion: 92 Resp: 480

Ion Ratio Lower Upper

92 100

91 137.9 137.1 205.7



#54

cis-1,3-Dichloropropene

Concen: 13.919 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. 0.183 min

Lab File: VX023056.D

Acq: 01 Jul 2021 01:08

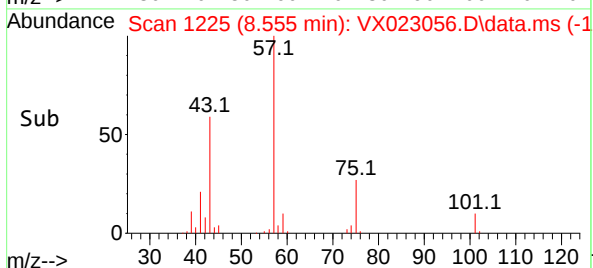
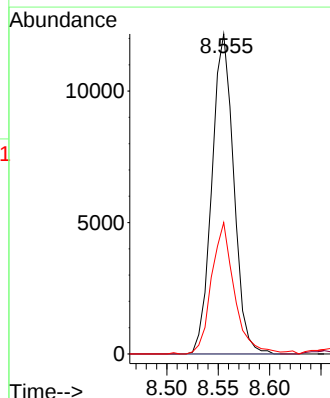
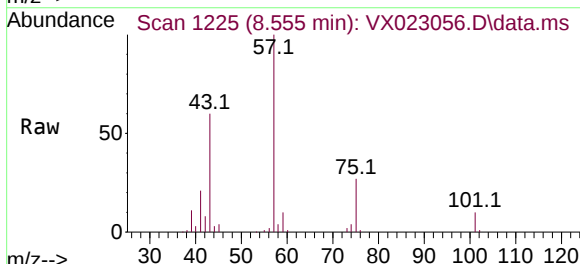
Tgt Ion: 75 Resp: 17991

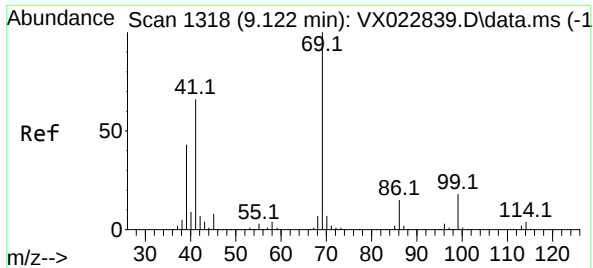
Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

39 41.0 35.1 52.7

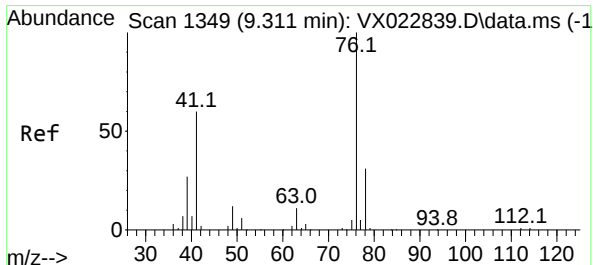
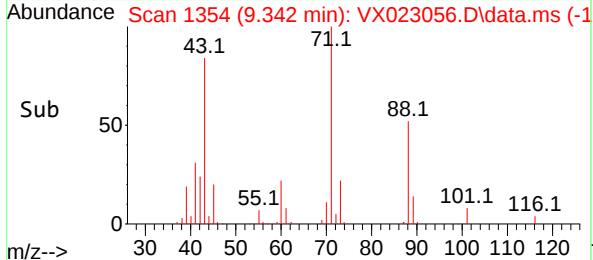
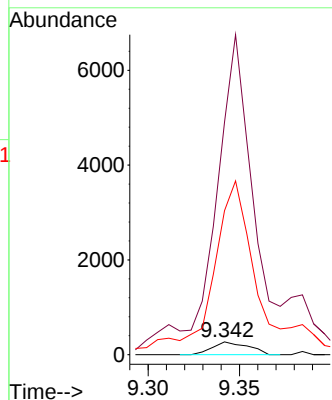
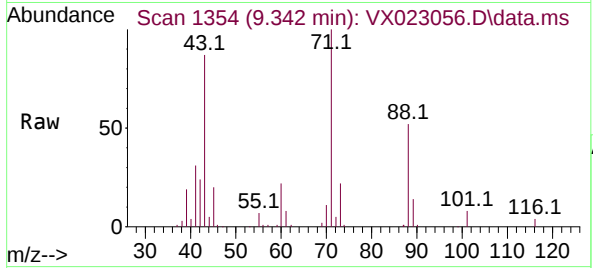




#56
Ethyl methacrylate
Concen: 2.806 ug/l
RT: 9.342 min Scan# 1354
Delta R.T. 0.220 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

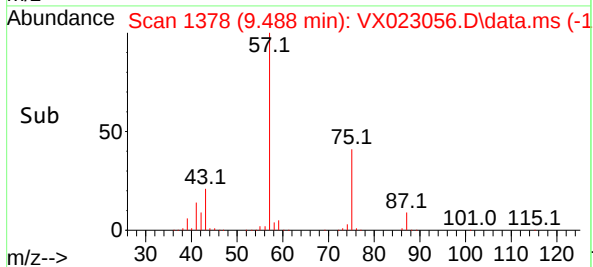
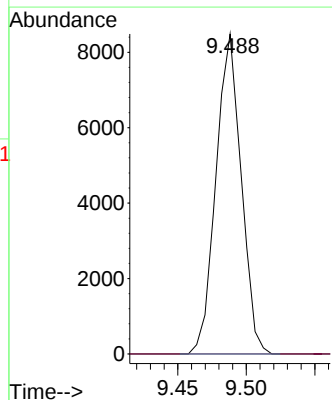
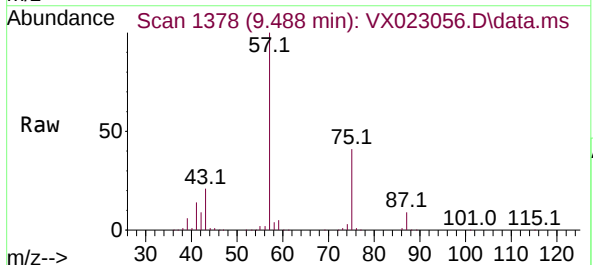
Instrument :
MSVOA_X
ClientSampled :

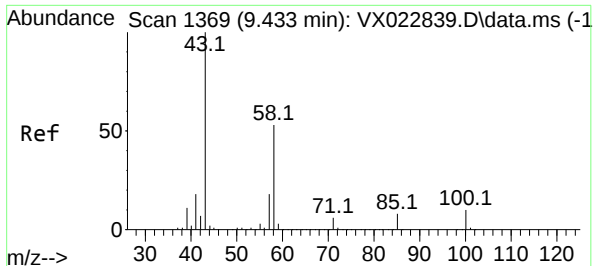
Tgt Ion: 69 Resp: 368
Ion Ratio Lower Upper
69 100
41 2545.7 46.8 70.2#
39 1539.4 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 7.172 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

Tgt Ion: 76 Resp: 10851
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

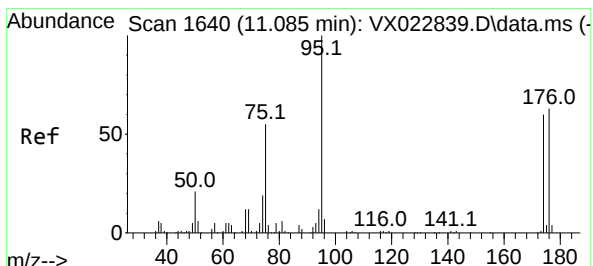
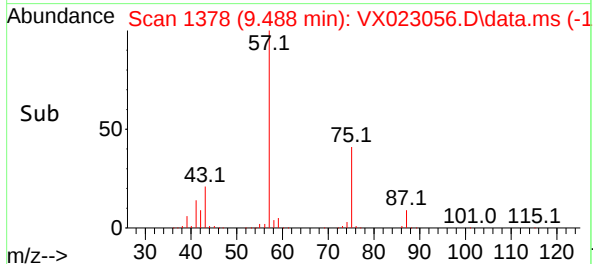
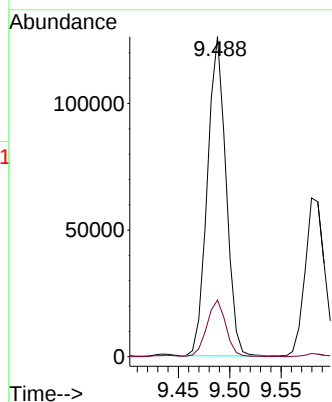
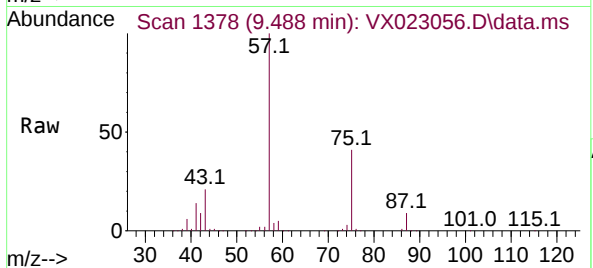




#59
2-Hexanone
Concen: 151.696 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

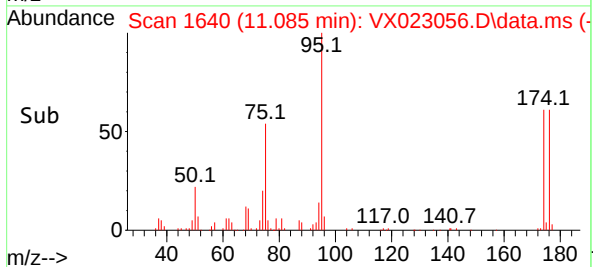
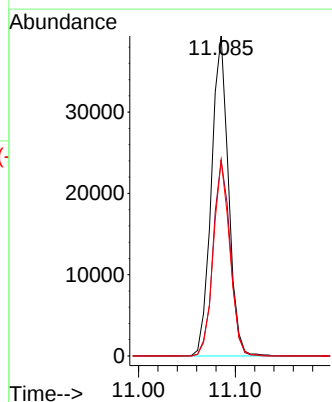
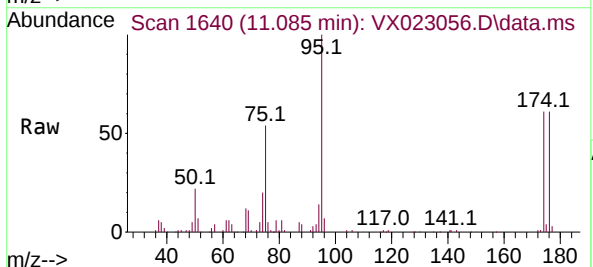
Instrument :
MSVOA_X
ClientSampled :

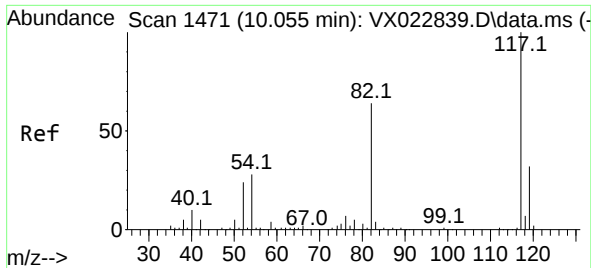
Tgt Ion: 43 Resp: 158747
Ion Ratio Lower Upper
43 100
58 18.1 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 46.407 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

Tgt Ion: 95 Resp: 48296
Ion Ratio Lower Upper
95 100
174 61.2 0.0 154.6
176 59.2 0.0 155.8

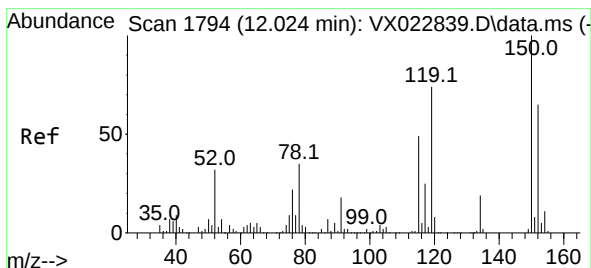
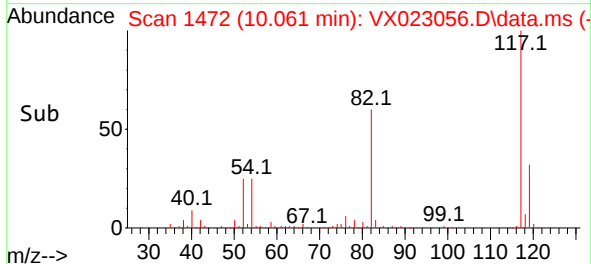
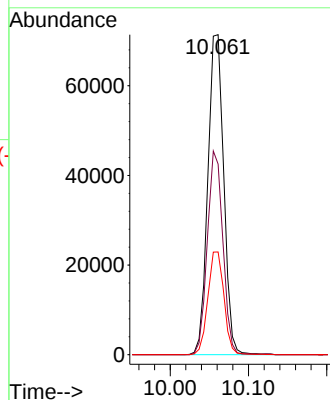
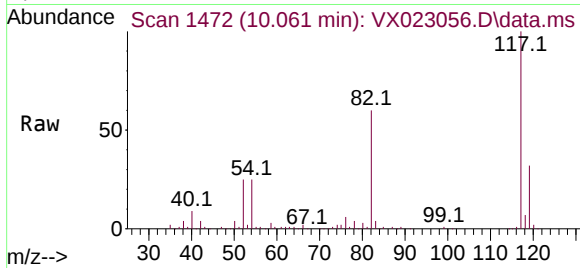




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

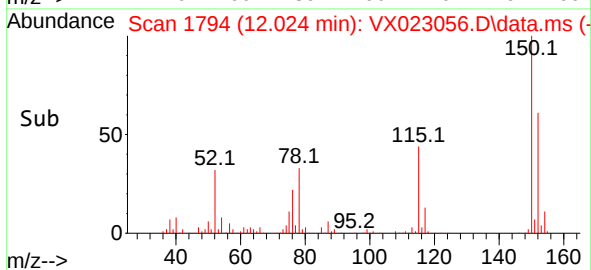
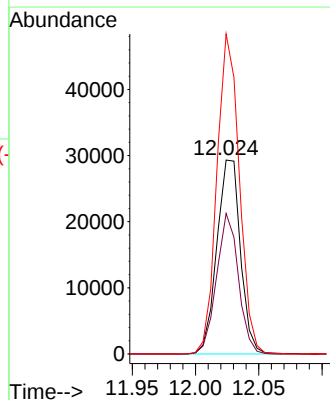
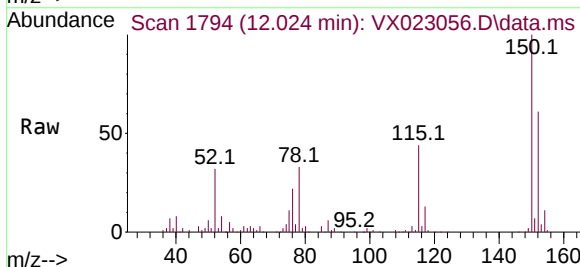
Instrument :
MSVOA_X
ClientSampleId :

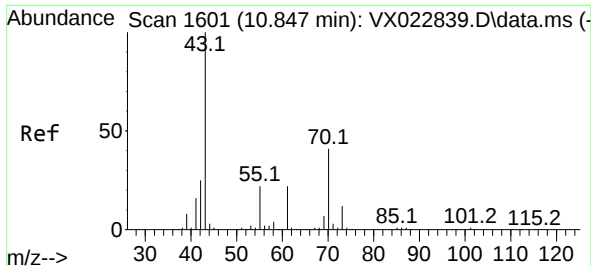
Tgt Ion:117 Resp: 100587
Ion Ratio Lower Upper
117 100
82 59.5 47.4 71.2
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

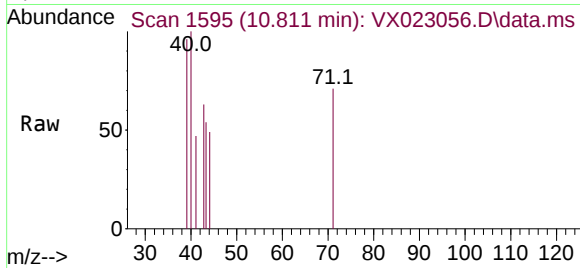
Tgt Ion:152 Resp: 37970
Ion Ratio Lower Upper
152 100
115 67.1 41.1 123.3
150 156.8 0.0 349.0



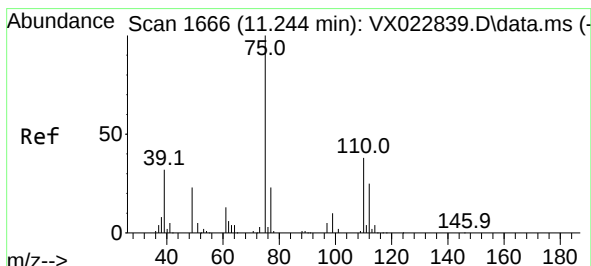
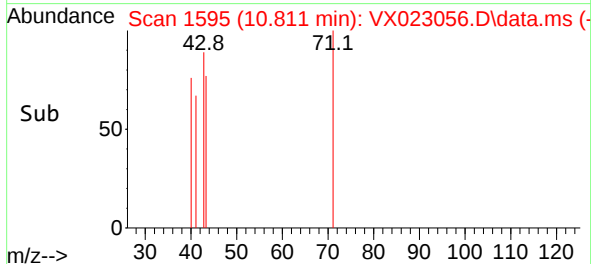


#74
N-amy1 acetate
Concen: 2.203 ug/l
RT: 10.811 min Scan# 1595
Delta R.T. -0.036 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

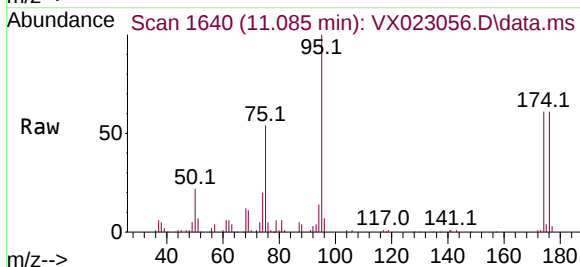
Instrument :
MSVOA_X
ClientSampled :



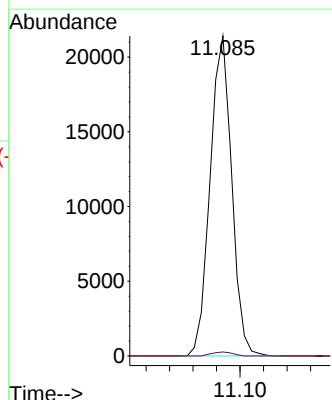
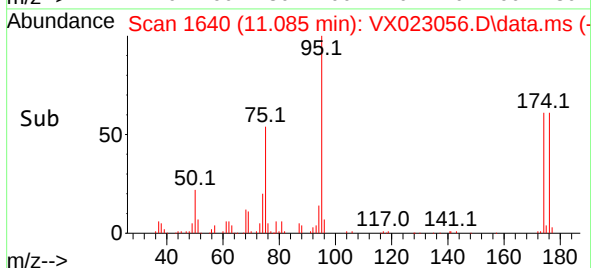
Tgt Ion:	43	Resp:	280
Ion Ratio	100	Lower	Upper
43	100		
70	0.0	39.0	58.6#
55	0.0	21.5	32.3#
61	0.0	22.1	33.1#

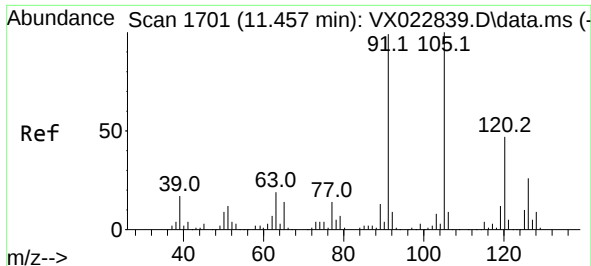


#76
1,2,3-Trichloropropane
Concen: 27.280 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08



Tgt Ion:	75	Resp:	27360
Ion Ratio	100	Lower	Upper
75	100		
77	1.2	19.1	57.5#

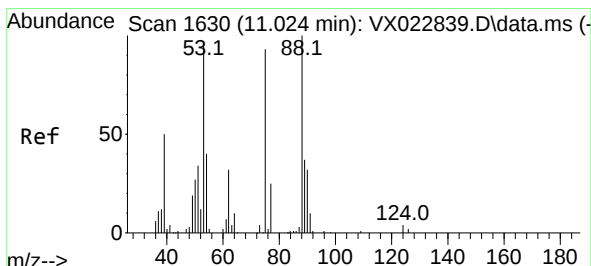
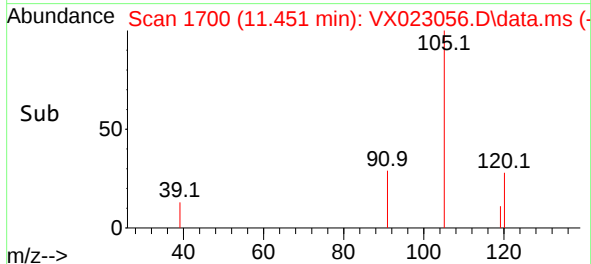
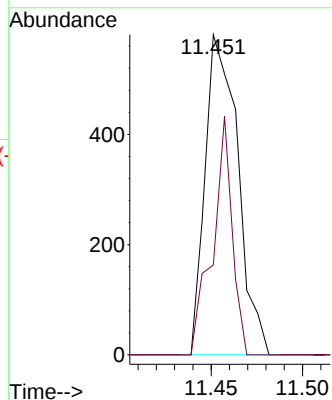
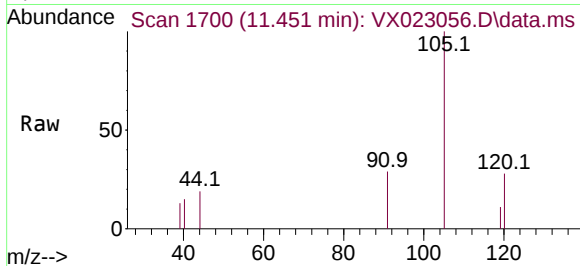




#80
1,3,5-Trimethylbenzene
Concen: 0.274 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

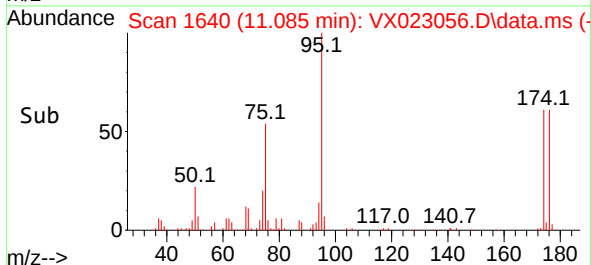
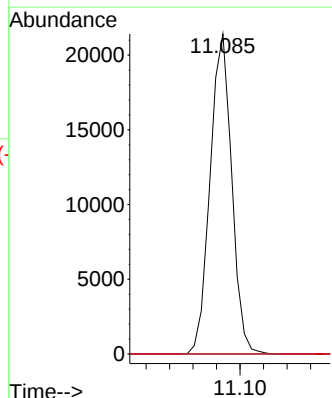
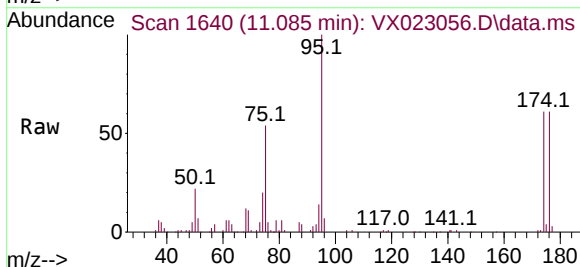
Instrument :
MSVOA_X
ClientSampled :

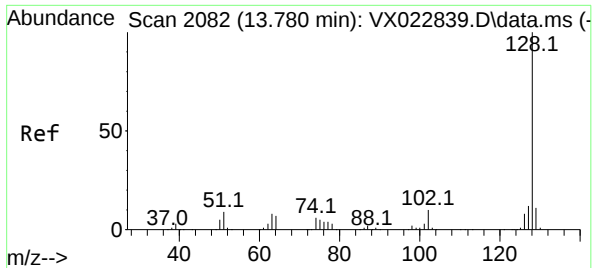
Tgt Ion:105 Resp: 722
Ion Ratio Lower Upper
105 100
120 44.6 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 70.600 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

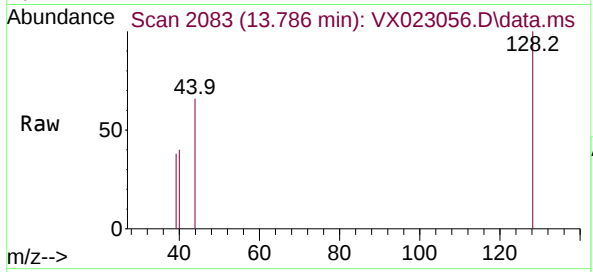
Tgt Ion: 75 Resp: 27360
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.973 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023056.D
Acq: 01 Jul 2021 01:08

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	164
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

