

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060321\
 Data File : VX022387.D
 Acq On : 03 Jun 2021 23:50
 Operator : JC/MD
 Sample : PB36780ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 04 05:38:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

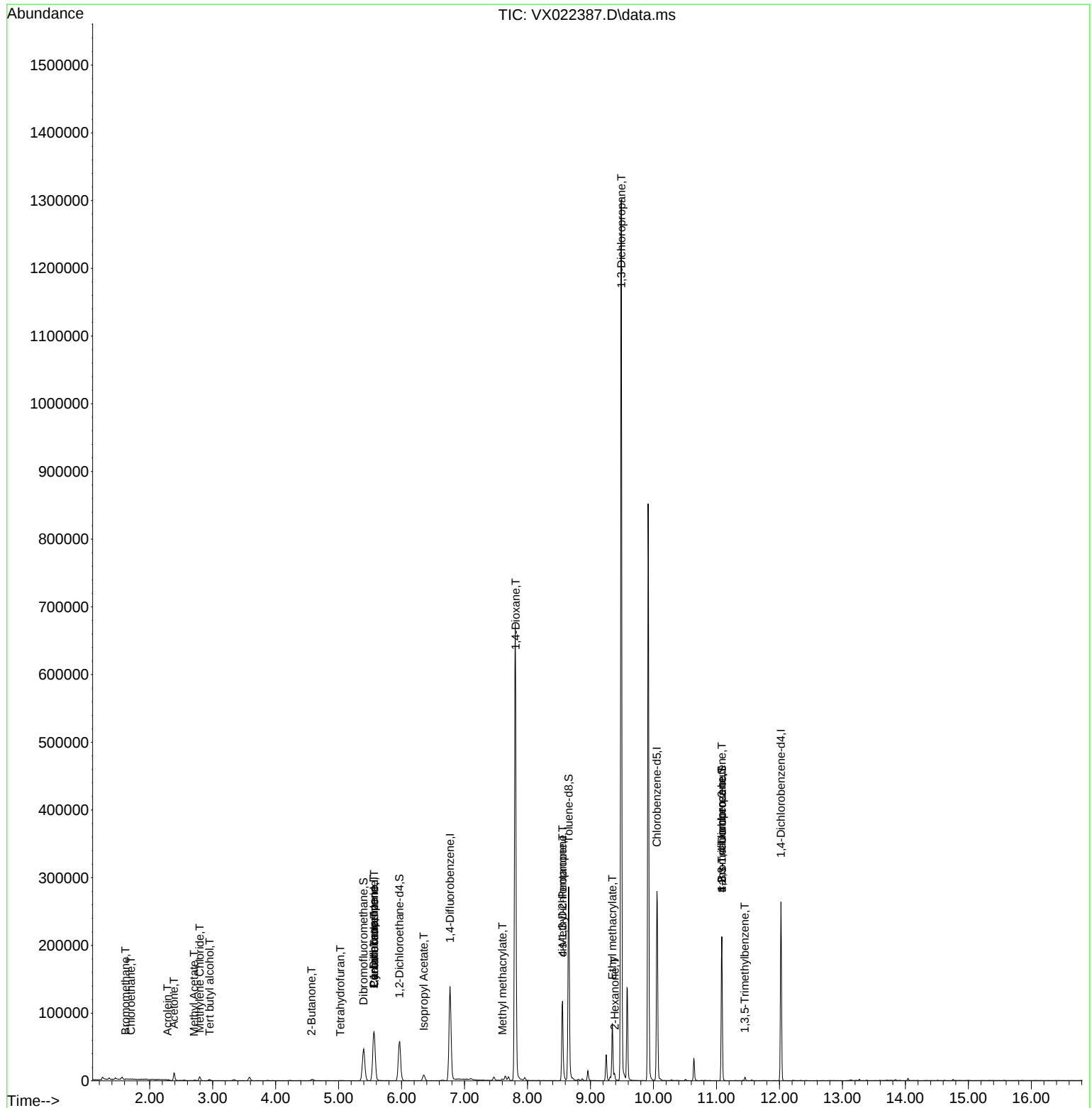
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

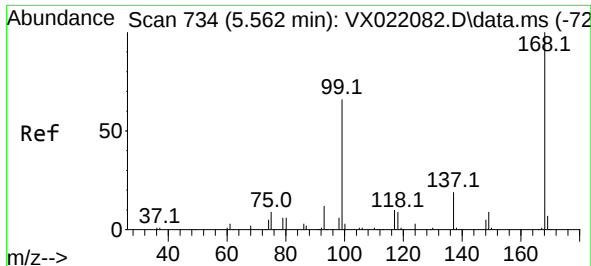
Internal Standards						
1) Pentafluorobenzene	5.562	168	61722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	132846	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48212	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	53626	56.32	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.64%			
35) Dibromofluoromethane	5.397	113	39723	47.15	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.30%			
50) Toluene-d8	8.653	98	165477	50.99	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.98%			
62) 4-Bromofluorobenzene	11.085	95	57606	48.03	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.06%			
Target Compounds					Qvalue	
5) Bromomethane	1.618	94	213	0.43	ug/l #	75
6) Chloroethane	1.703	64	259	0.51	ug/l #	43
11) Tert butyl alcohol	2.953	59	1003	4.61	ug/l #	73
13) Acrolein	2.282	56	58	0.40	ug/l #	14
16) Acetone	2.386	43	11933	28.78	ug/l #	87
18) Methyl Acetate	2.703	43	1082	0.98	ug/l #	83
20) Methylene Chloride	2.794	84	2287	2.48	ug/l #	76
25) 2-Butanone	4.568	43	2901	4.33	ug/l	90
29) Tetrahydrofuran	5.025	42	251	0.63	ug/l #	33
31) Cyclohexane	5.562	56	1877	1.57	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	6201	5.05	ug/l #	48
38) Carbon Tetrachloride	5.562	117	7031	5.85	ug/l #	14
43) Isopropyl Acetate	6.354	43	11565	4.70	ug/l	94
48) Methyl methacrylate	7.604	41	3512	3.09	ug/l #	10
49) 1,4-Dioxane	7.812	88	30	1.36	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	41732	28.28	ug/l #	47
54) cis-1,3-Dichloropropene	8.555	75	19186	11.81	ug/l #	61
56) Ethyl methacrylate	9.348	69	396	0.25	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	10831	6.53	ug/l #	42
59) 2-Hexanone	9.384	43	4608	4.15	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	30489	25.63	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	2517	0.74	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.085	75	30489	60.74	ug/l #	12

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

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 04 05:38:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 2021
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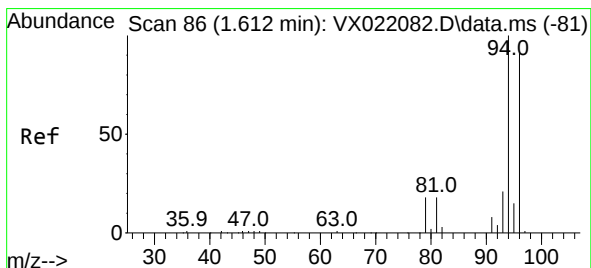
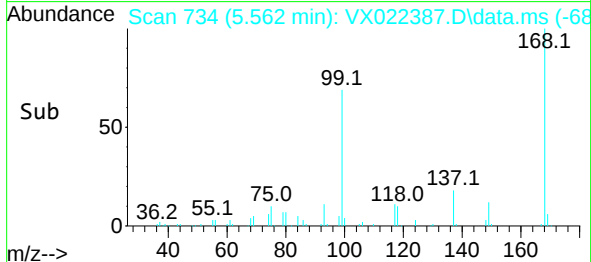
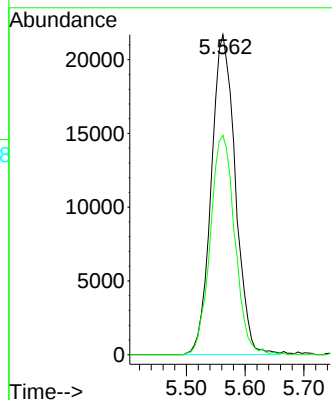
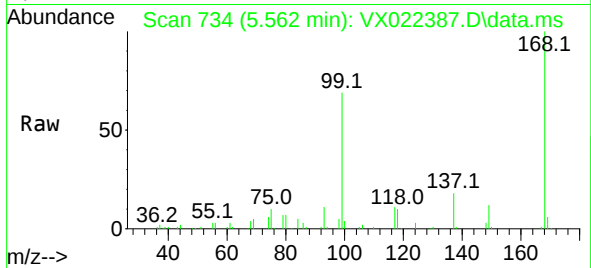




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

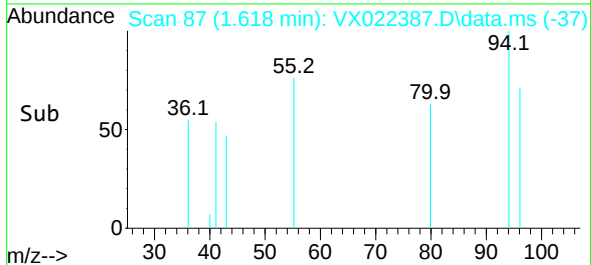
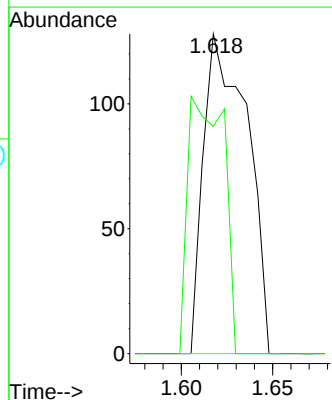
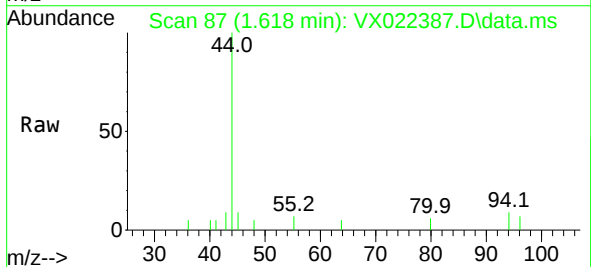
Instrument :
MSVOA_X
ClientSampleId :

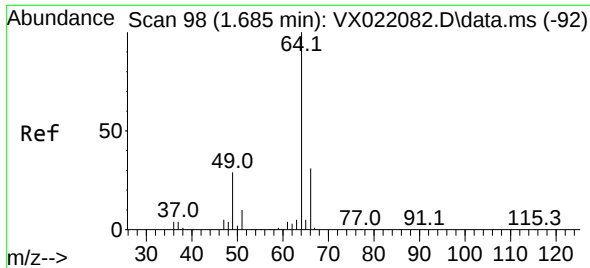
Tgt Ion:168 Resp: 61722
Ion Ratio Lower Upper
168 100
99 68.6 45.8 68.6



#5
Bromomethane
Concen: 0.43 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

Tgt Ion: 94 Resp: 213
Ion Ratio Lower Upper
94 100
96 71.1 76.4 114.6#

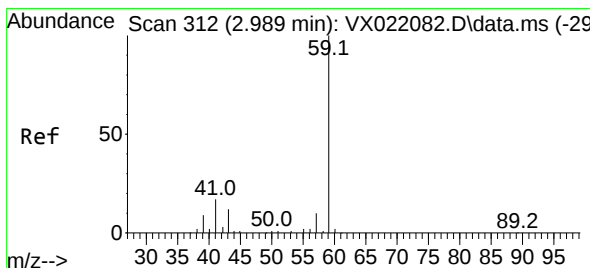
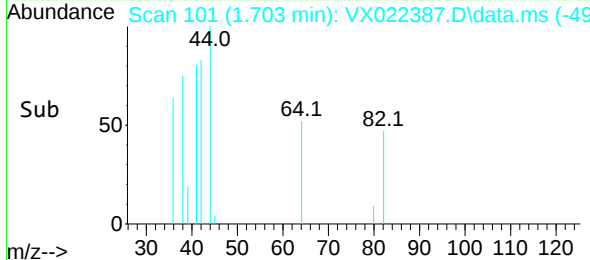
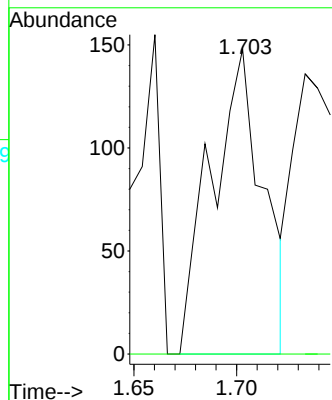
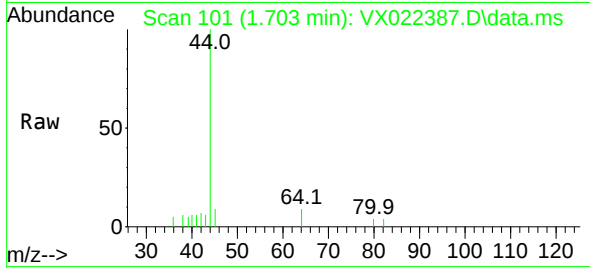




#6
Chloroethane
Concen: 0.51 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.018 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

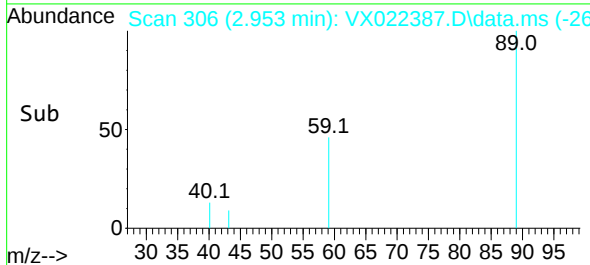
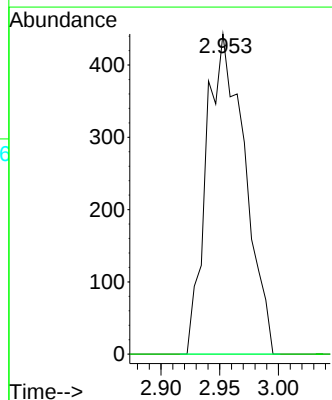
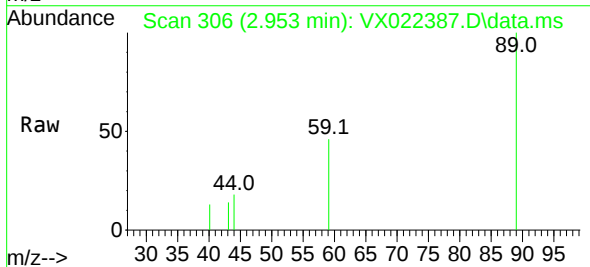
Instrument :
MSVOA_X
ClientSampled :

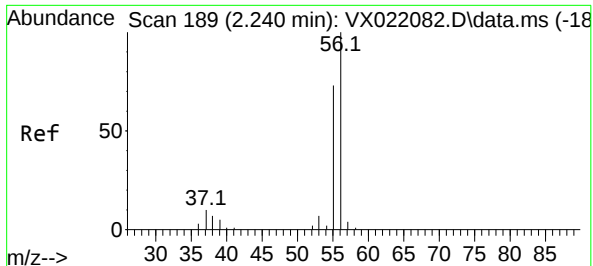
Tgt Ion: 64 Resp: 259
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 4.61 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

Tgt Ion: 59 Resp: 1003
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#13

Acrolein

Concen: 0.40 ug/l

RT: 2.282 min Scan# 196

Delta R.T. 0.042 min

Lab File: VX022387.D

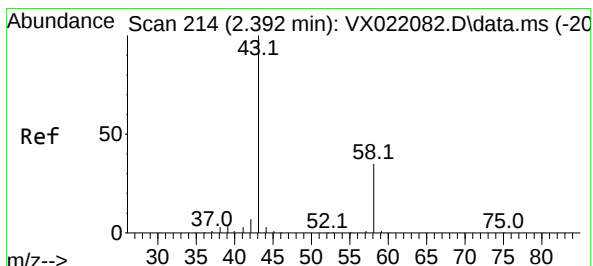
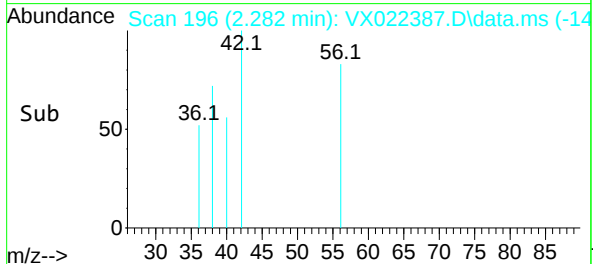
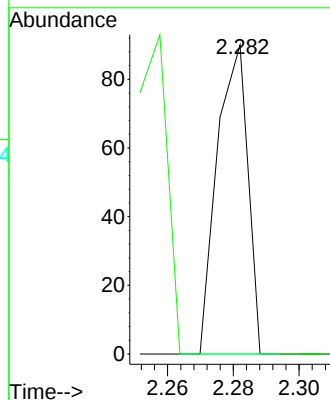
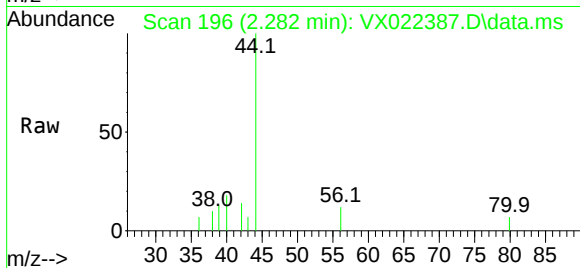
Acq: 03 Jun 2021 23:50

Tgt Ion: 56 Resp: 58

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#



#16

Acetone

Concen: 28.78 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX022387.D

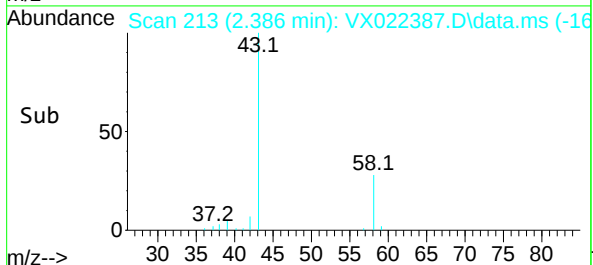
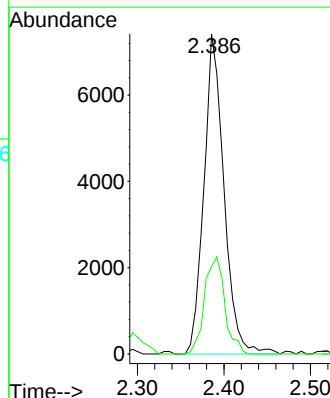
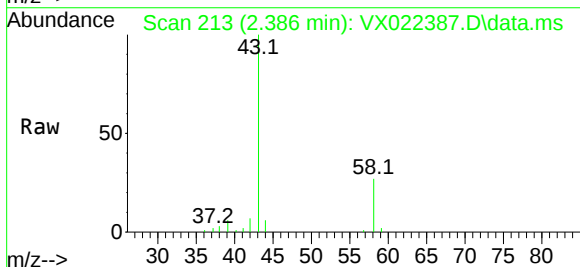
Acq: 03 Jun 2021 23:50

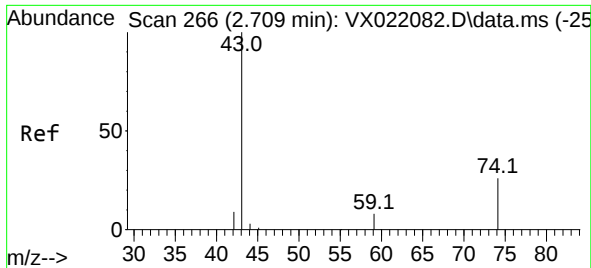
Tgt Ion: 43 Resp: 11933

Ion Ratio Lower Upper

43 100

58 27.4 27.8 41.8#

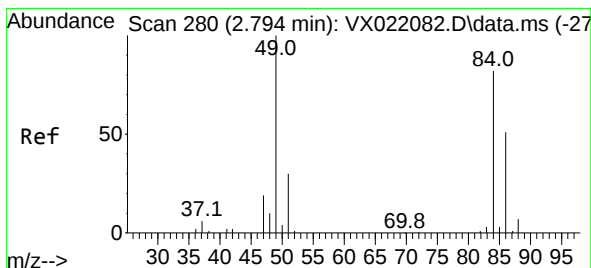
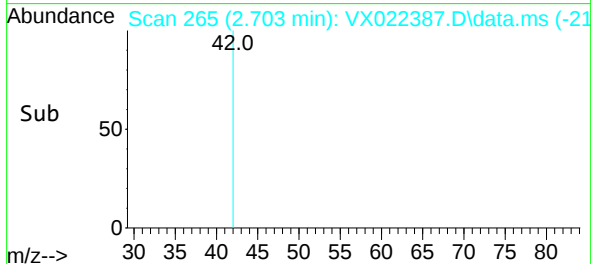
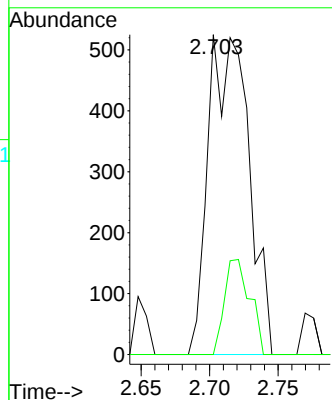
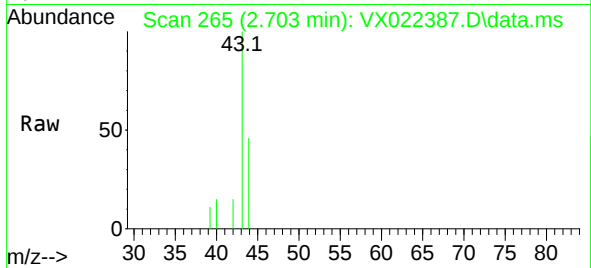




#18
Methyl Acetate
Concen: 0.98 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

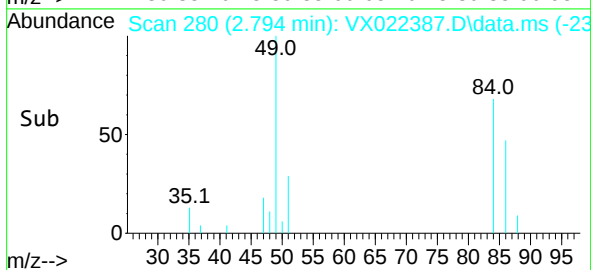
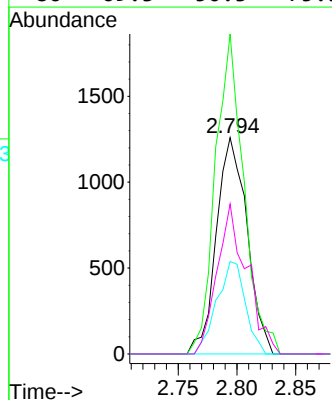
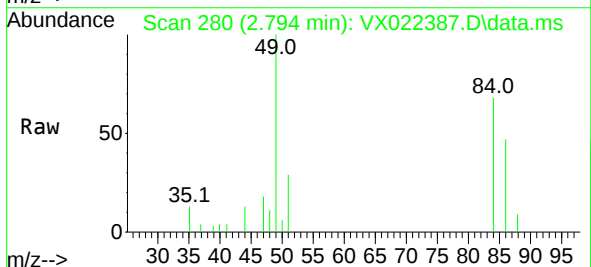
Instrument :
MSVOA_X
ClientSampled :

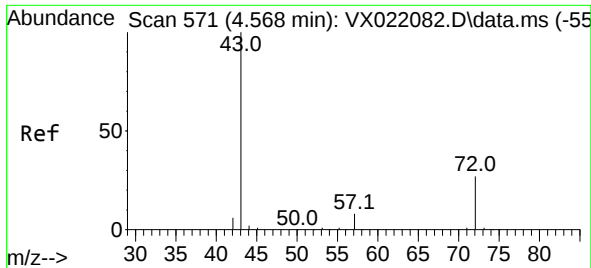
Tgt Ion: 43 Resp: 1082
Ion Ratio Lower Upper
43 100
74 18.7 21.9 32.9#



#20
Methylene Chloride
Concen: 2.48 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

Tgt Ion: 84 Resp: 2287
Ion Ratio Lower Upper
84 100
49 148.0 88.6 132.8#
51 42.7 27.0 40.6#
86 69.3 50.3 75.5

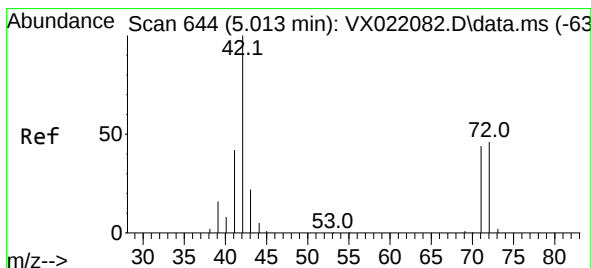
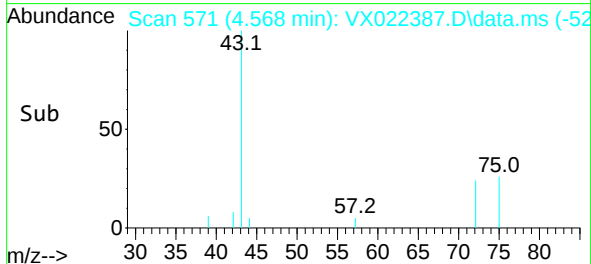
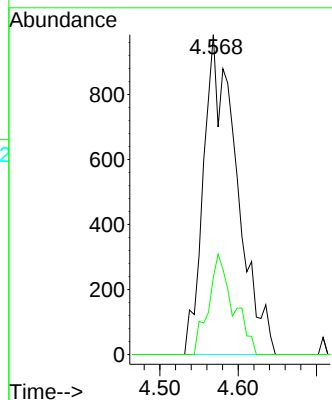
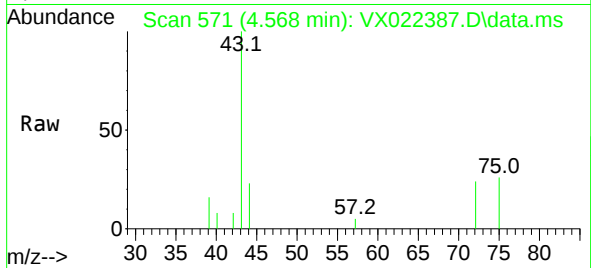




#25
2-Butanone
Concen: 4.33 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

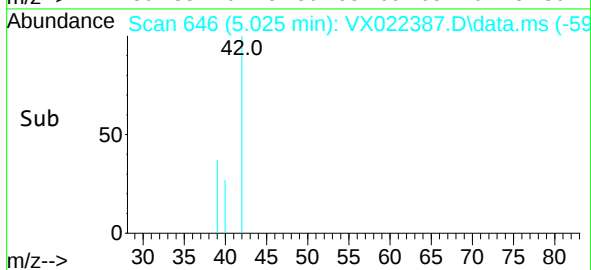
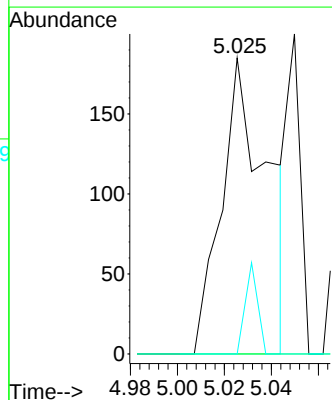
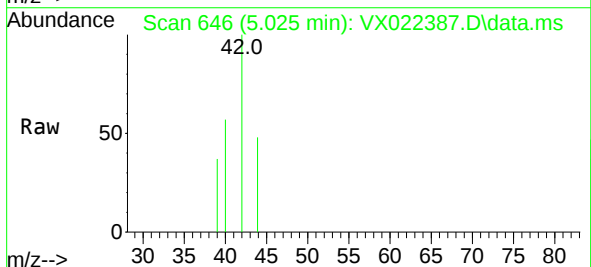
Instrument :
MSVOA_X
ClientSampled :

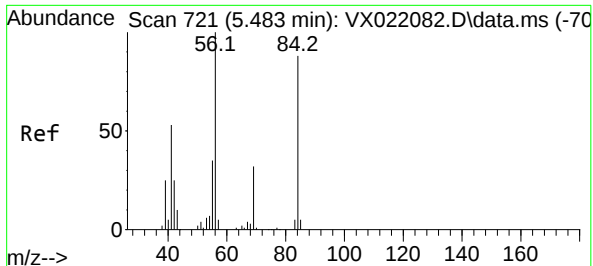
Tgt Ion: 43 Resp: 2901
Ion Ratio Lower Upper
43 100
72 24.2 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.63 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.012 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

Tgt Ion: 42 Resp: 251
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 8.4 38.4 57.6#

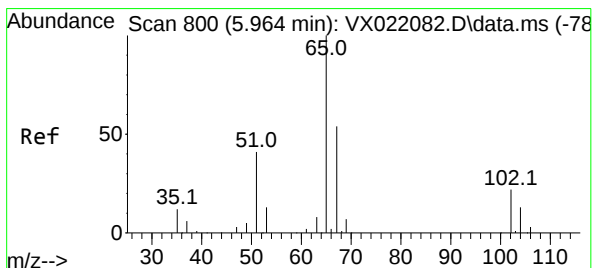
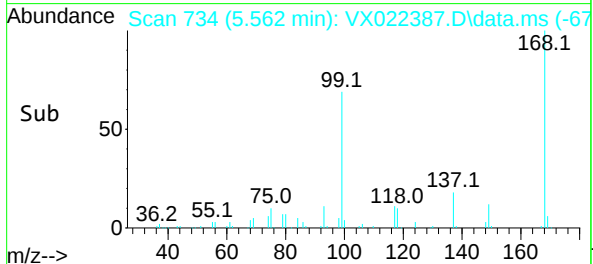
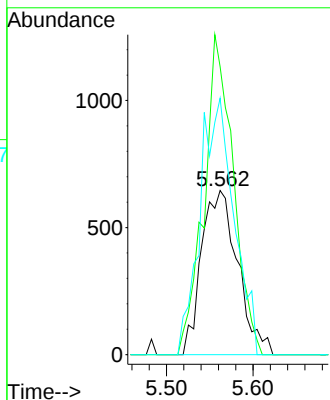
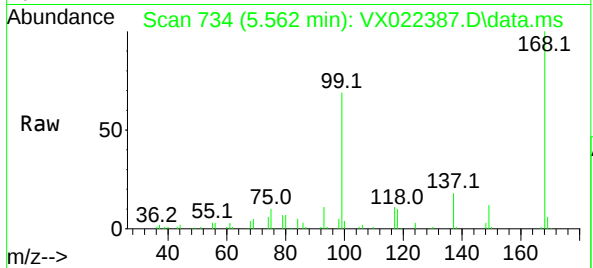




#31
Cyclohexane
Concen: 1.57 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

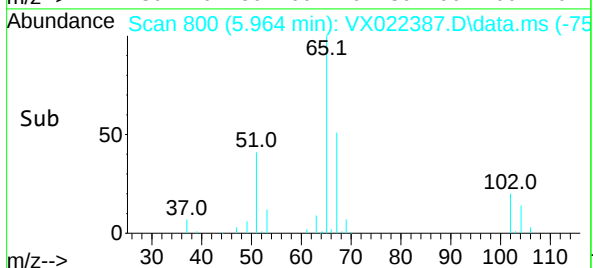
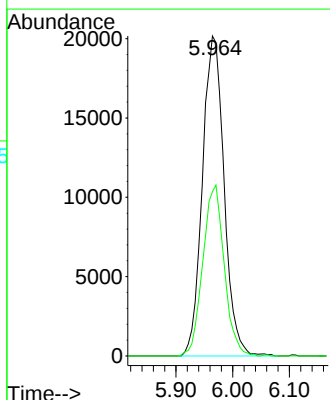
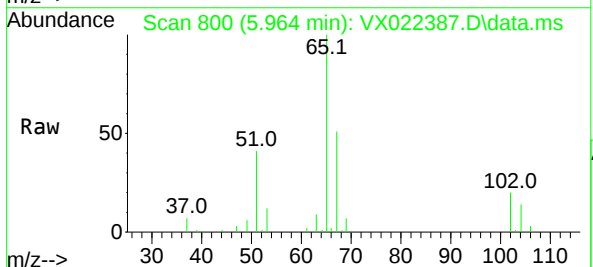
Instrument :
MSVOA_X
ClientSampled :

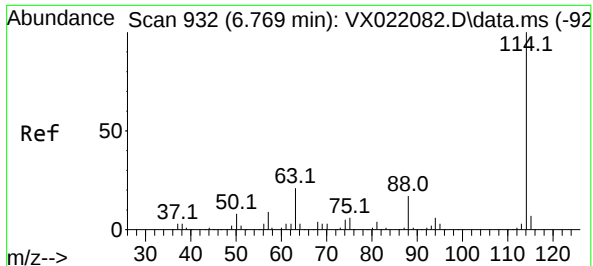
Tgt Ion: 56 Resp: 1877
Ion Ratio Lower Upper
56 100
69 175.4 25.3 37.9#
84 156.2 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 56.32 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

Tgt Ion: 65 Resp: 53626
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.4

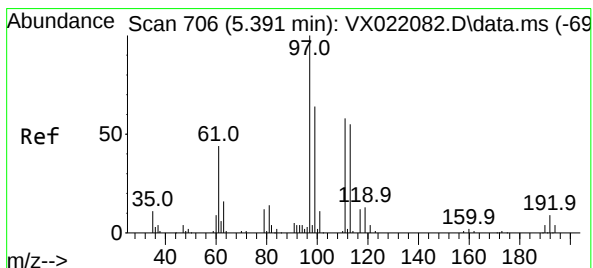
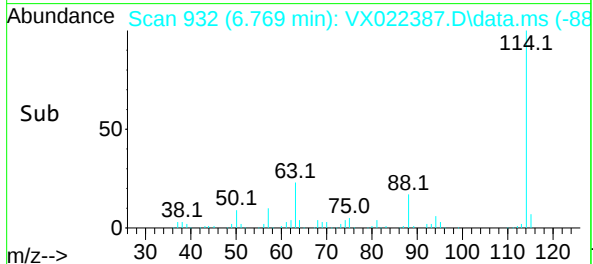
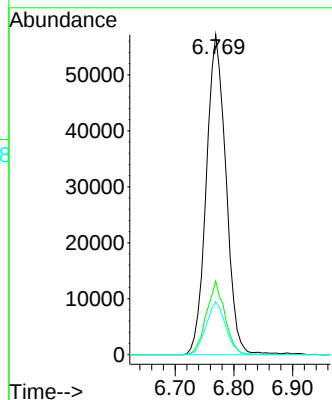
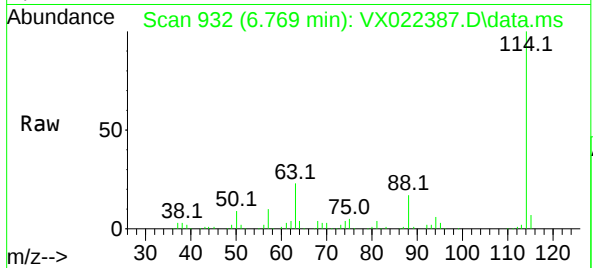




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

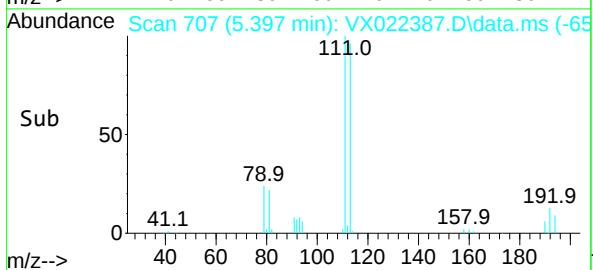
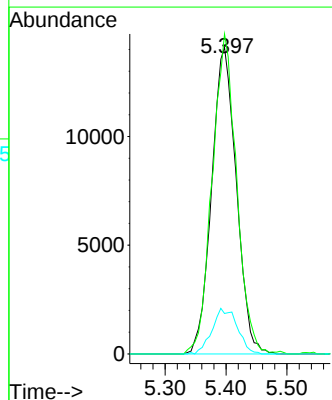
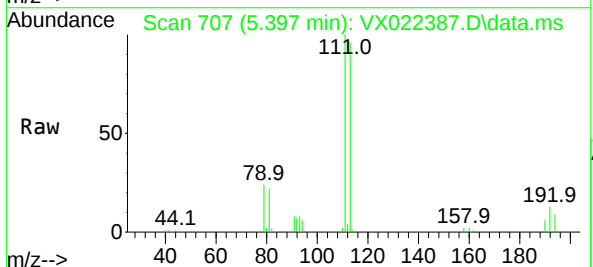
Instrument :
MSVOA_X
ClientSampled :

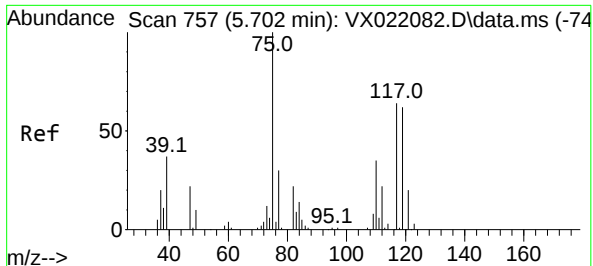
Tgt Ion:114 Resp: 132846
Ion Ratio Lower Upper
114 100
63 23.0 0.0 40.8
88 16.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.15 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

Tgt Ion:113 Resp: 39723
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 15.2 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 5.05 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX022387.D

Acq: 03 Jun 2021 23:50

Tgt Ion: 75 Resp: 6201

Ion Ratio Lower Upper

75 100

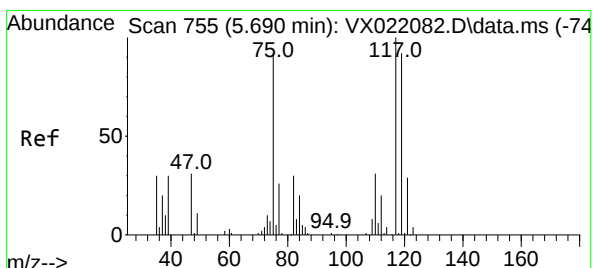
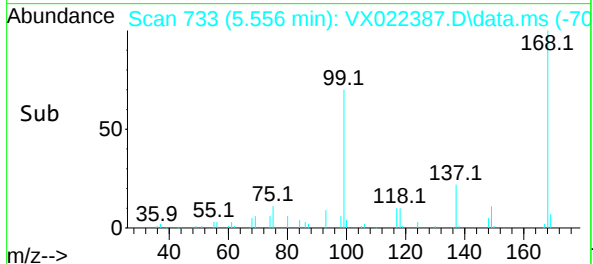
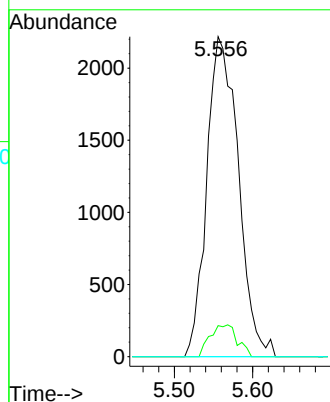
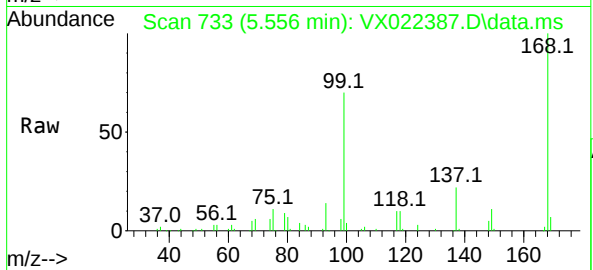
110 8.6 18.1 54.4#

77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.85 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX022387.D

Acq: 03 Jun 2021 23:50

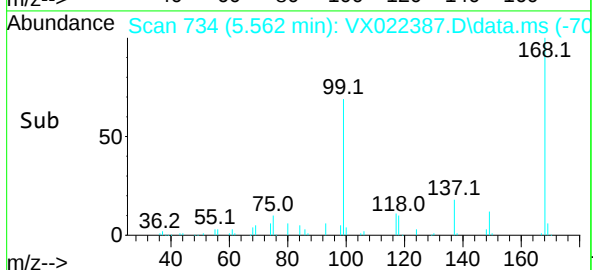
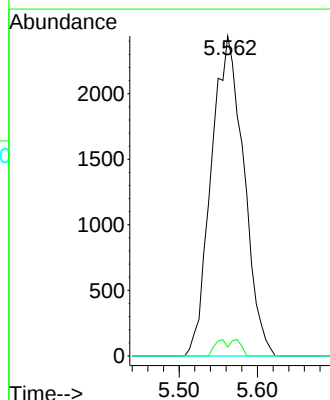
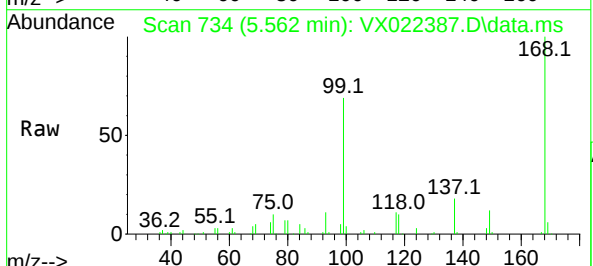
Tgt Ion: 117 Resp: 7031

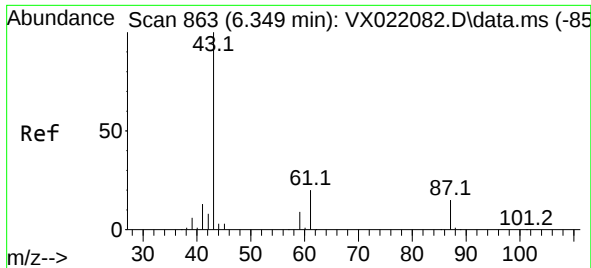
Ion Ratio Lower Upper

117 100

119 2.8 76.2 114.2#

121 0.0 24.8 37.2#

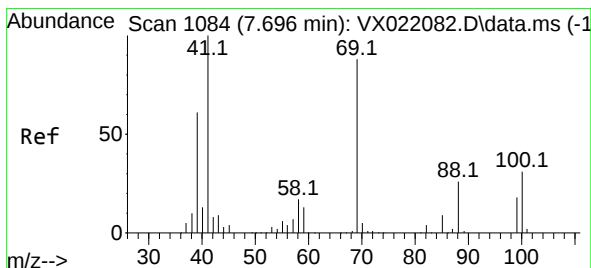
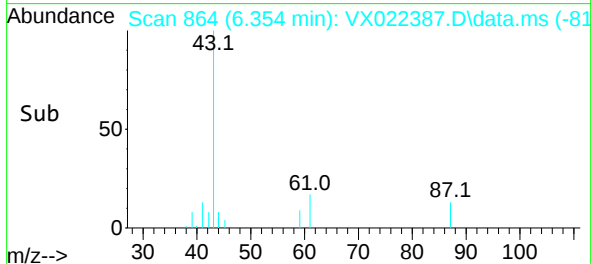
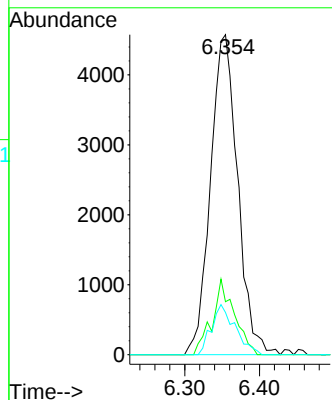
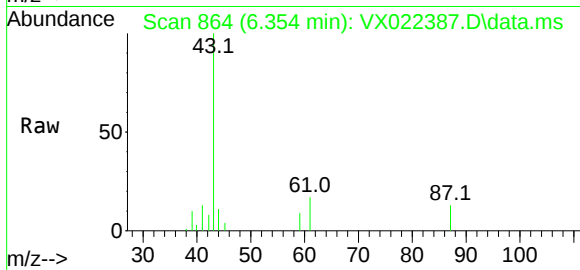




#43
Isopropyl Acetate
Concen: 4.70 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.005 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

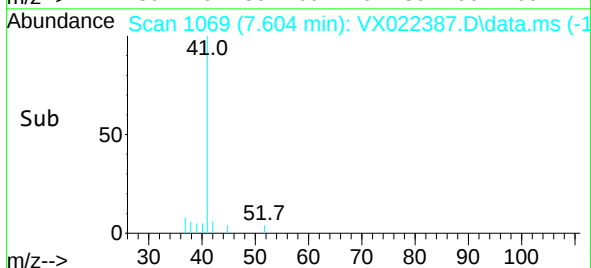
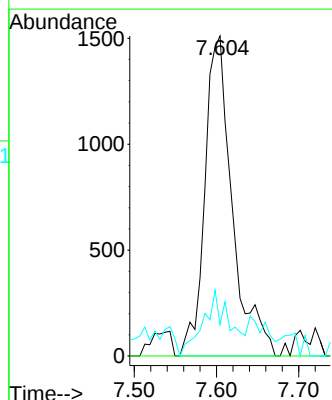
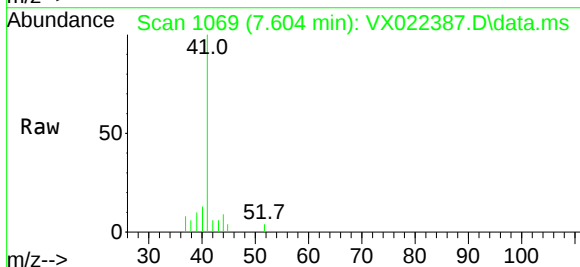
Instrument :
MSVOA_X
ClientSampleId :

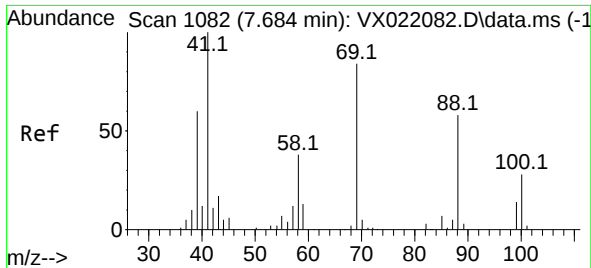
Tgt Ion: 43 Resp: 11565
Ion Ratio Lower Upper
43 100
61 19.3 18.2 27.4
87 13.7 12.5 18.7



#48
Methyl methacrylate
Concen: 3.09 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

Tgt Ion: 41 Resp: 3512
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: 1.36 ug/l

RT: 7.812 min Scan# 1103

Delta R.T. 0.128 min

Lab File: VX022387.D

Acq: 03 Jun 2021 23:50

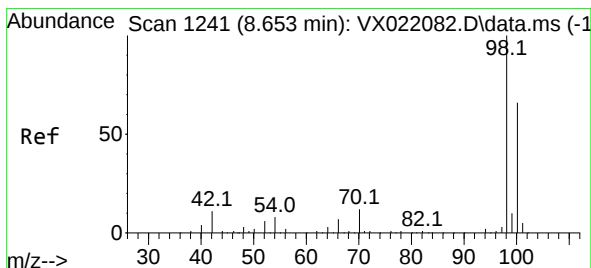
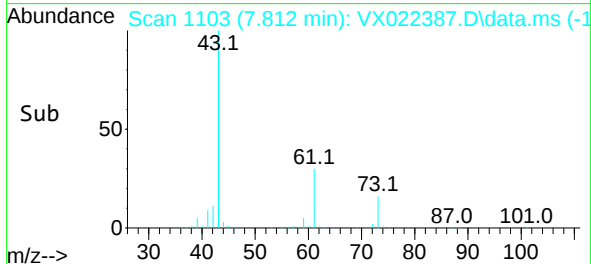
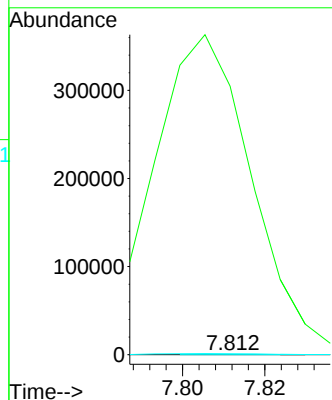
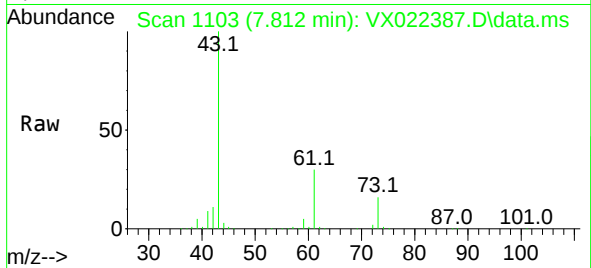
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 2092993.3 23.2 34.8#

58 7913.3 55.0 82.4#



#50

Toluene-d8

Concen: 50.99 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX022387.D

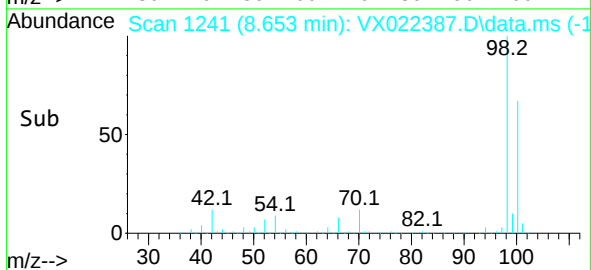
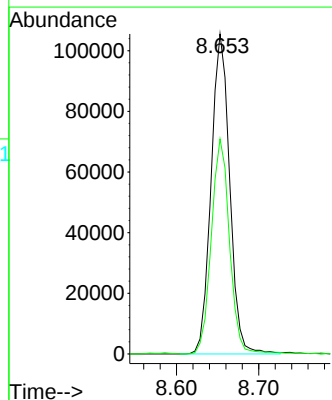
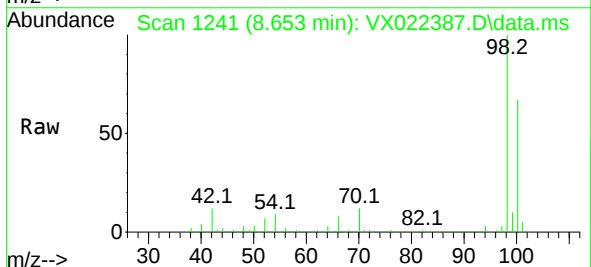
Acq: 03 Jun 2021 23:50

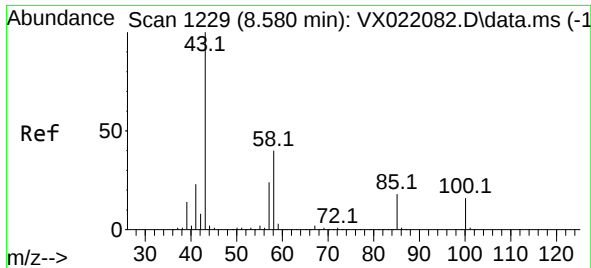
Tgt Ion: 98 Resp: 165477

Ion Ratio Lower Upper

98 100

100 66.1 51.9 77.9

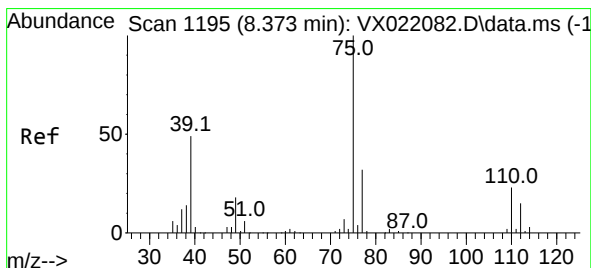
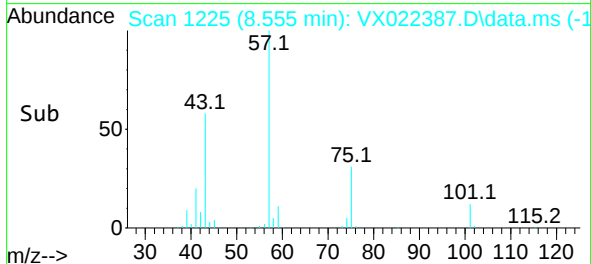
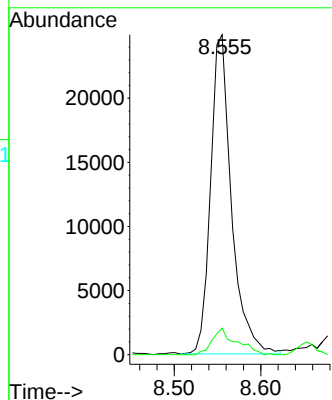
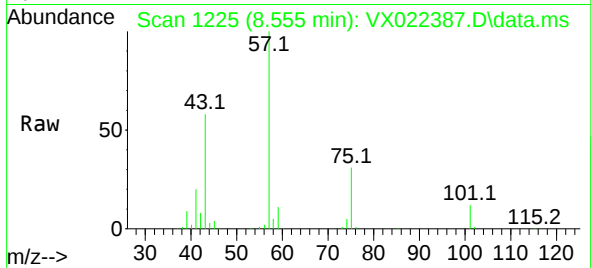




#51
4-Methyl-2-Pentanone
Concen: 28.28 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

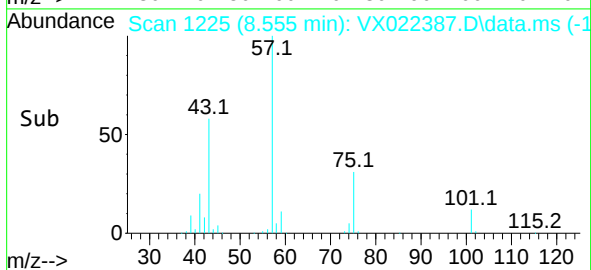
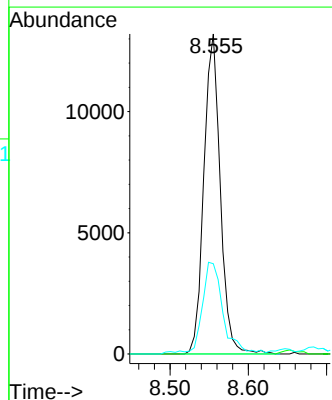
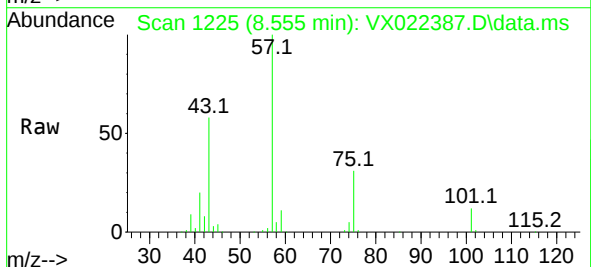
Instrument :
MSVOA_X
ClientSampled :

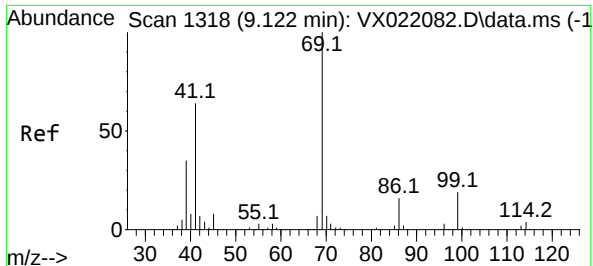
Tgt Ion: 43 Resp: 41732
Ion Ratio Lower Upper
43 100
58 9.6 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 11.81 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

Tgt Ion: 75 Resp: 19186
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 27.2 35.1 52.7#

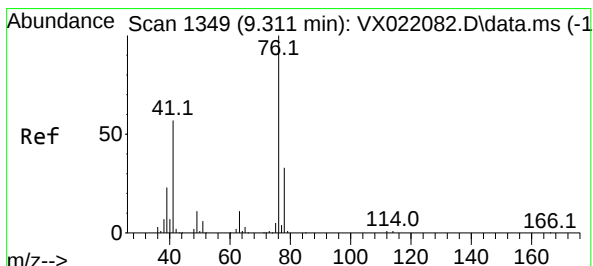
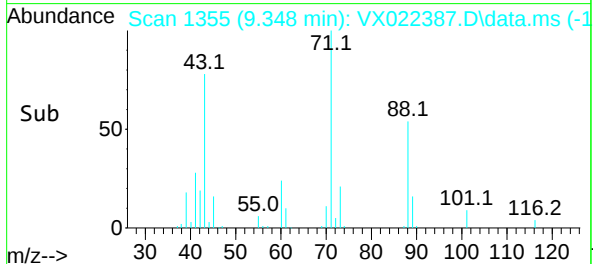
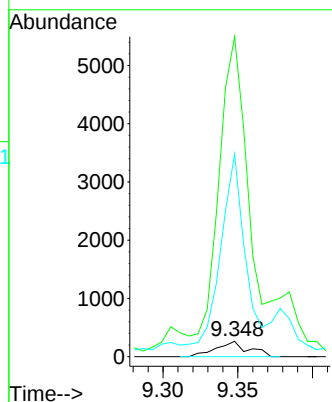
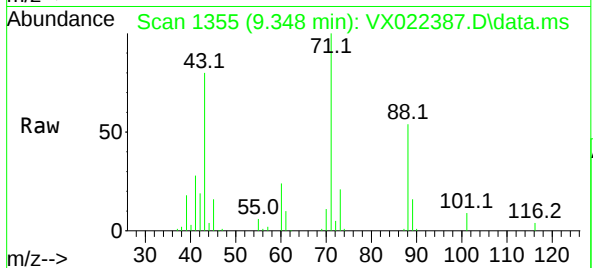




#56
Ethyl methacrylate
Concen: 0.25 ug/l
RT: 9.348 min Scan# 1355
Delta R.T. 0.226 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

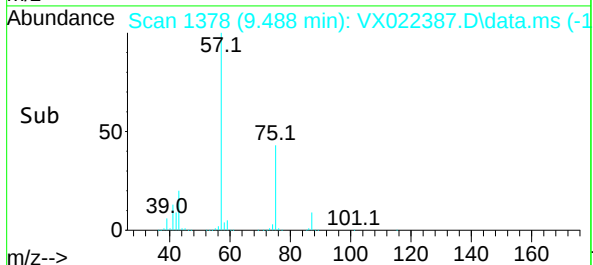
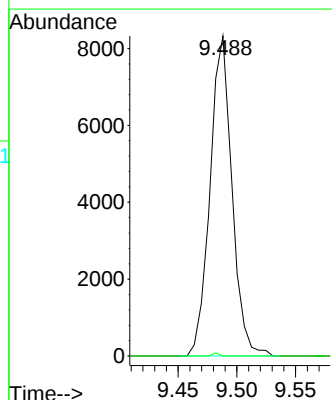
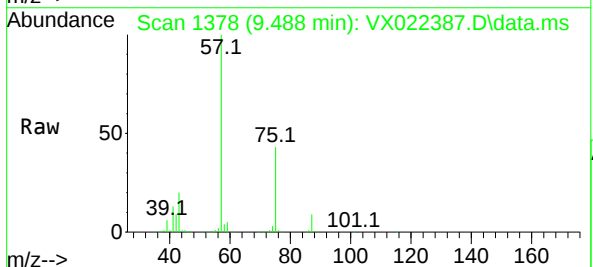
Instrument :
MSVOA_X
ClientSampled :

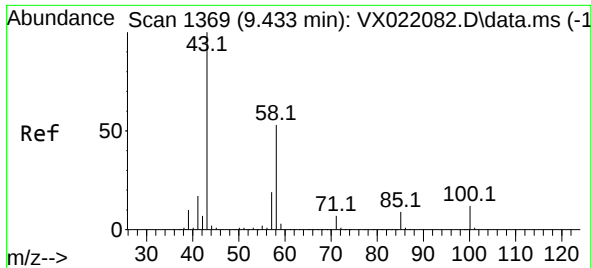
Tgt Ion: 69 Resp: 396
Ion Ratio Lower Upper
69 100
41 1669.4 46.8 70.2#
39 893.9 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 6.53 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

Tgt Ion: 76 Resp: 10831
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#

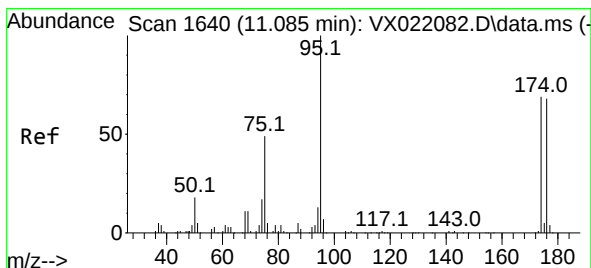
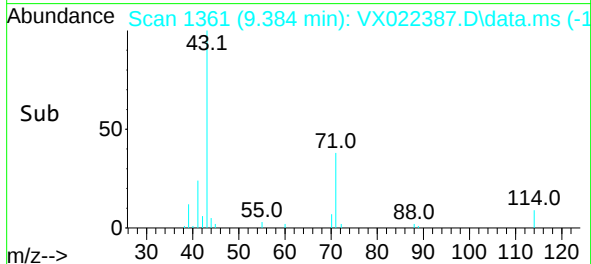
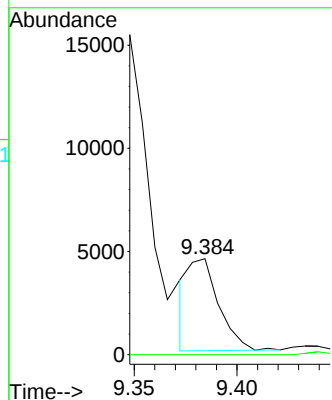
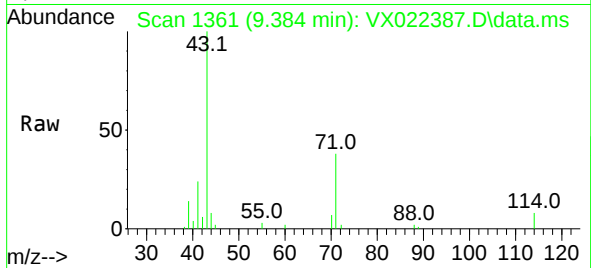




#59
2-Hexanone
Concen: 4.15 ug/l
RT: 9.384 min Scan# 1361
Delta R.T. -0.049 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

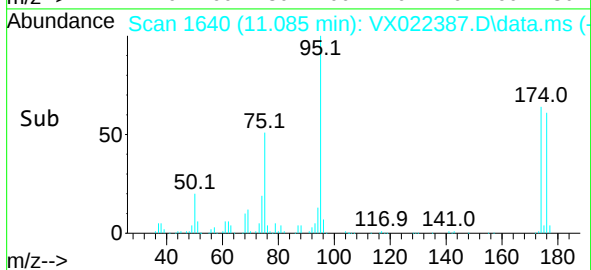
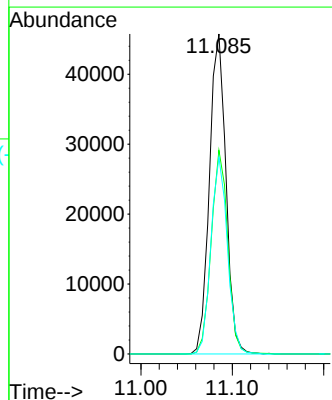
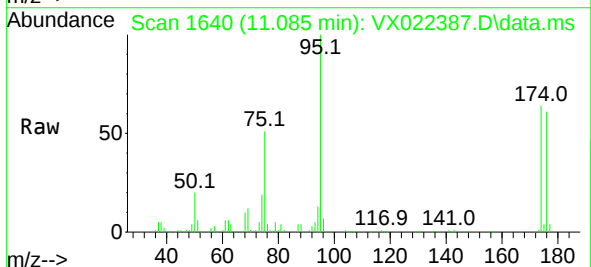
Instrument :
MSVOA_X
ClientSampled :

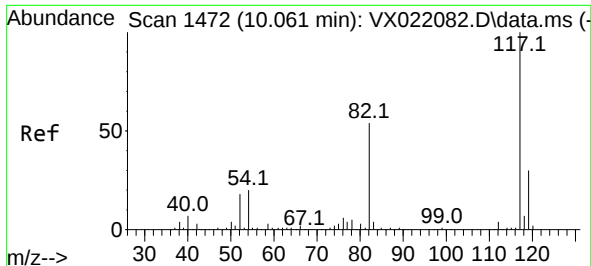
Tgt Ion: 43 Resp: 4608
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 48.03 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

Tgt Ion: 95 Resp: 57606
Ion Ratio Lower Upper
95 100
174 63.6 0.0 154.6
176 61.4 0.0 155.8

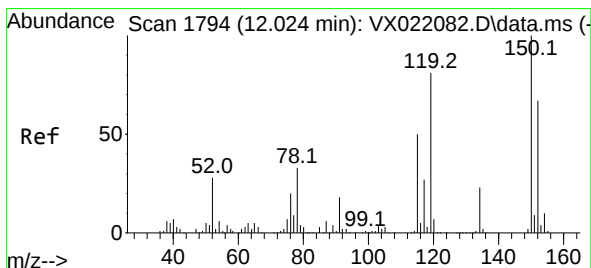
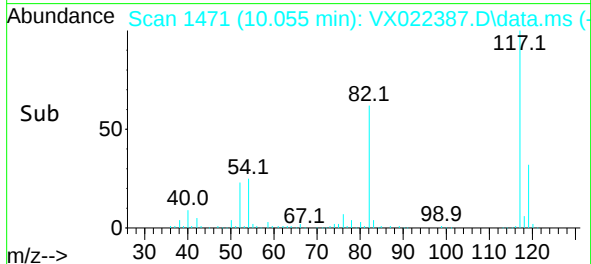
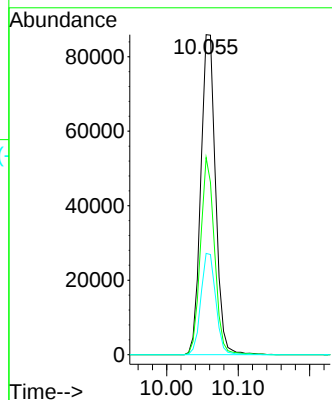
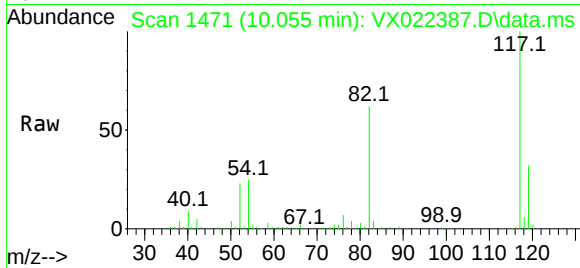




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

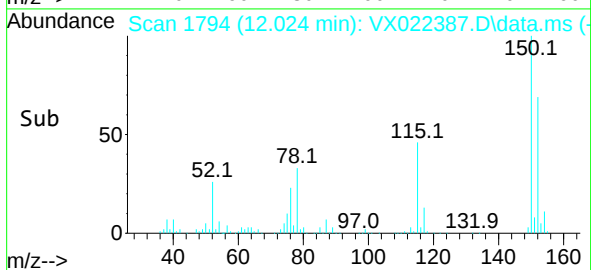
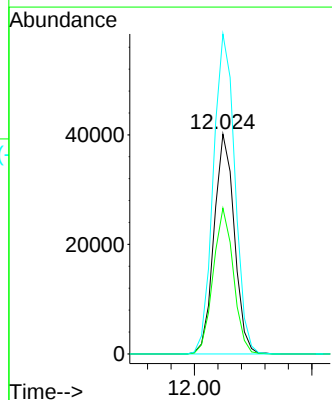
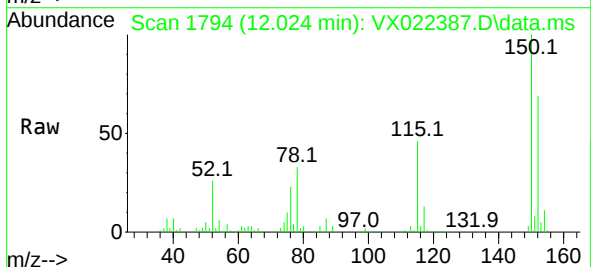
Instrument :
MSVOA_X
ClientSampled :

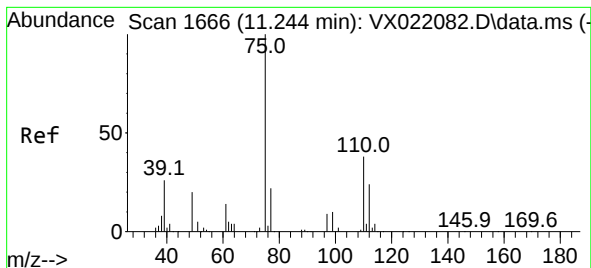
Tgt Ion:117 Resp: 122875
Ion Ratio Lower Upper
117 100
82 61.6 47.4 71.2
119 31.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

Tgt Ion:152 Resp: 48212
Ion Ratio Lower Upper
152 100
115 66.0 41.1 123.3
150 154.3 0.0 349.0

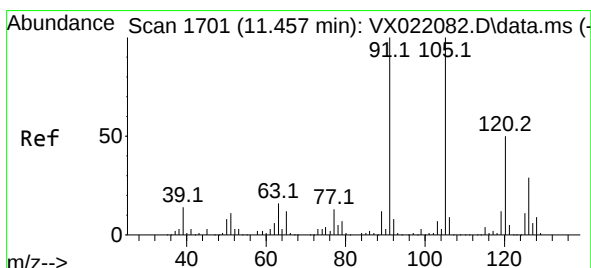
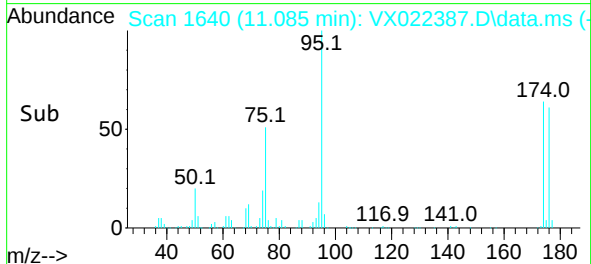
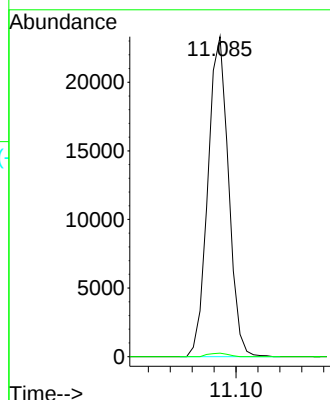
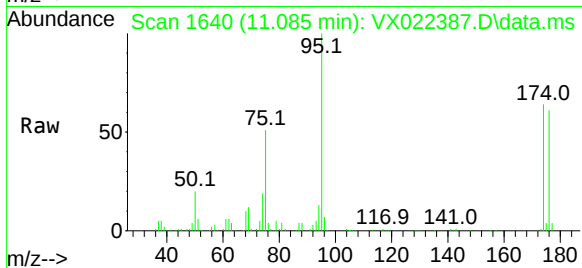




#76
1,2,3-Trichloropropane
Concen: 25.63 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

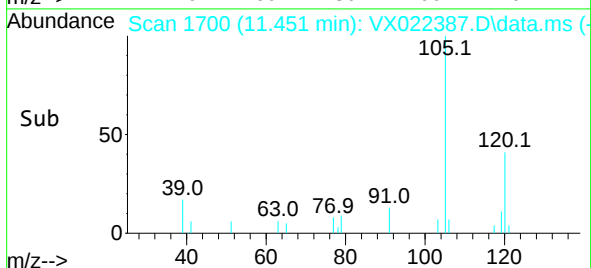
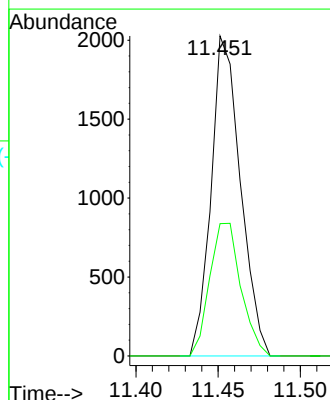
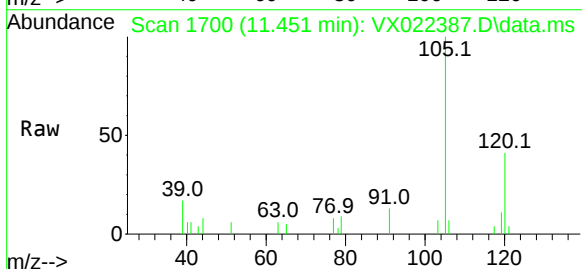
Instrument :
MSVOA_X
ClientSampled :

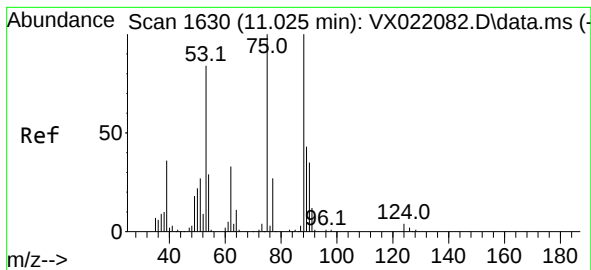
Tgt Ion: 75 Resp: 30489
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.74 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX022387.D
Acq: 03 Jun 2021 23:50

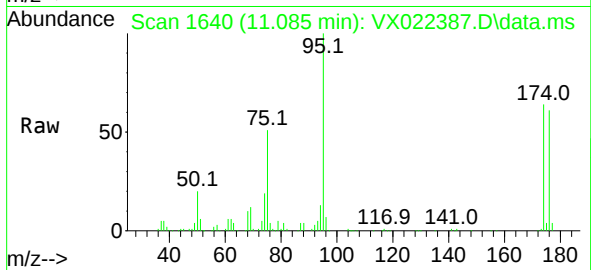
Tgt Ion: 105 Resp: 2517
Ion Ratio Lower Upper
105 100
120 44.1 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.74 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.060 min
 Lab File: VX022387.D
 Acq: 03 Jun 2021 23:50

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 30489
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

