

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023691.D
 Acq On : 13 Aug 2021 15:26
 Operator : JC/MD
 Sample : PB138358ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:26:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

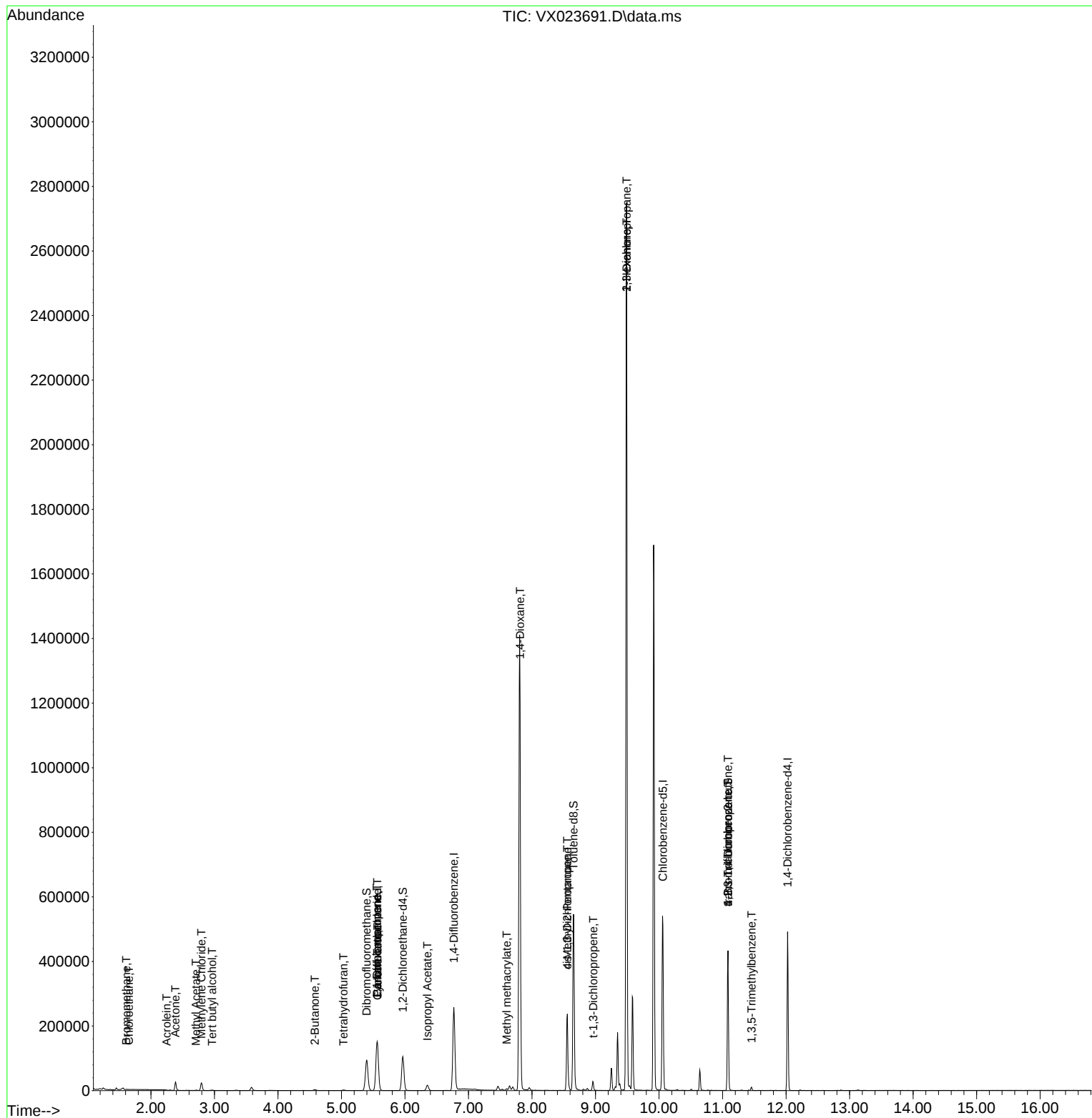
Internal Standards						
1) Pentafluorobenzene	5.562	168	144103	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	246722	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	240905	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	102725	57.147	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.300%			
35) Dibromofluoromethane	5.397	113	79836	51.754	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.500%			
50) Toluene-d8	8.653	98	312934	55.214	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.420%			
62) 4-Bromofluorobenzene	11.085	95	106636	55.332	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.660%			
Target Compounds						Qvalue
5) Bromomethane	1.611	94	218	0.235	ug/l	84
6) Chloroethane	1.654	64	409	0.426	ug/l #	43
11) Tert butyl alcohol	2.965	59	1465	3.568	ug/l #	73
13) Acrolein	2.245	56	79	1.740	ug/l #	63
16) Acetone	2.386	43	26590	30.155	ug/l	90
18) Methyl Acetate	2.709	43	1741	0.831	ug/l #	84
20) Methylene Chloride	2.794	84	10581	6.169	ug/l	91
25) 2-Butanone	4.580	43	4375	3.196	ug/l #	89
29) Tetrahydrofuran	5.032	42	1648	1.837	ug/l #	82
31) Cyclohexane	5.568	56	3134	1.177	ug/l #	22
36) 1,1-Dichloropropene	5.556	75	11441	5.126	ug/l #	49
38) Carbon Tetrachloride	5.562	117	15321	6.750	ug/l #	17
43) Isopropyl Acetate	6.354	43	22011	5.048	ug/l	93
48) Methyl methacrylate	7.604	41	6209	3.075	ug/l #	10
49) 1,4-Dioxane	7.812	88	122	2.837	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	82187	30.815	ug/l #	44
53) t-1,3-Dichloropropene	8.964	75	20	1.824	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	34917	13.089	ug/l #	71
57) 1,3-Dichloropropane	9.488	76	22292	7.902	ug/l #	42
59) 2-Hexanone	9.488	43	329335	162.608	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	56934	26.971	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	4884	0.829	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.085	75	56934	72.521	ug/l #	12

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

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MSVOA_X
ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 23 06:05:38 2021
Response via : Initial Calibration

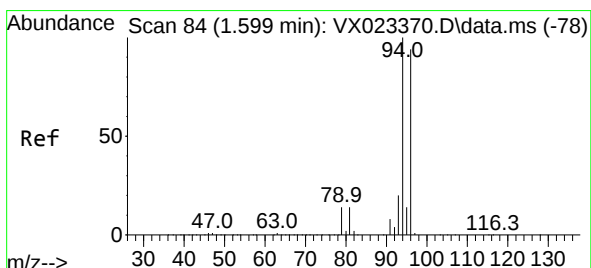
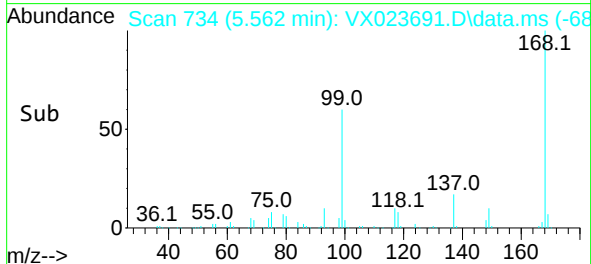
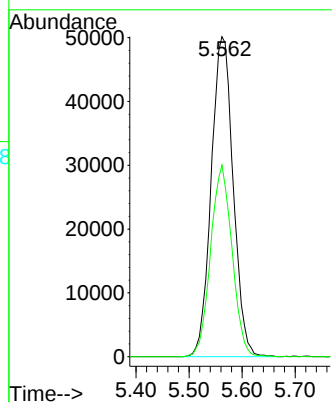
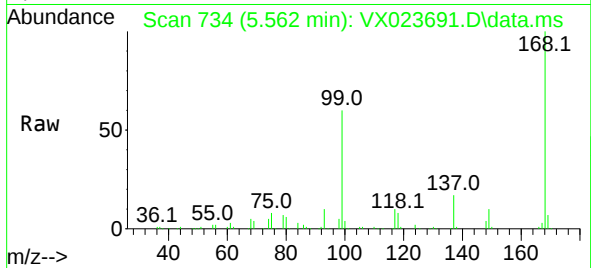




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

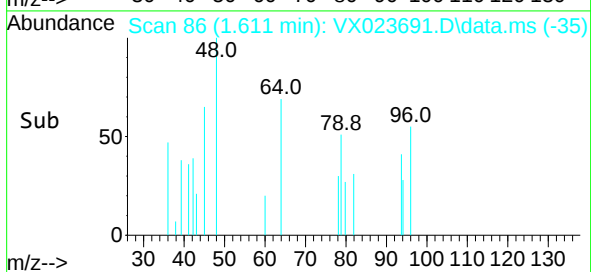
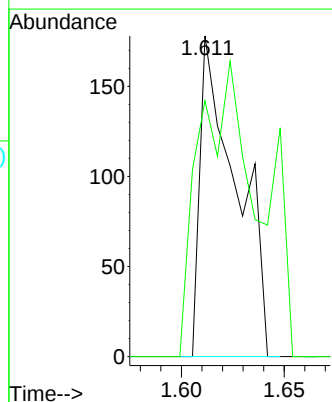
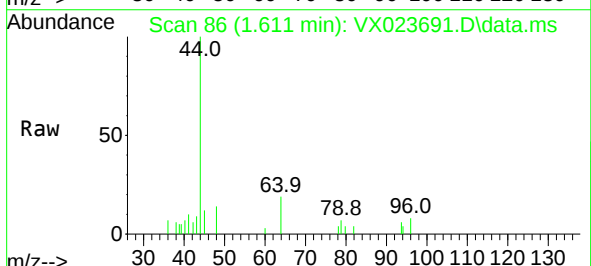
Instrument :
MSVOA_X
ClientSampled :

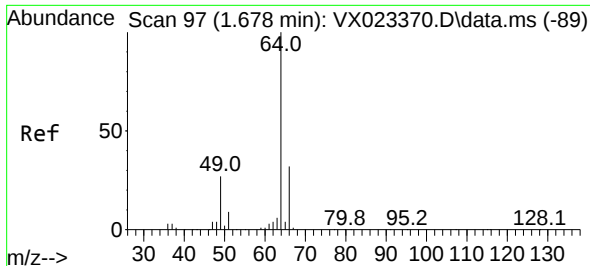
Tgt Ion:168 Resp: 144103
Ion Ratio Lower Upper
168 100
99 59.8 45.8 68.6



#5
Bromomethane
Concen: 0.235 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

Tgt Ion: 94 Resp: 218
Ion Ratio Lower Upper
94 100
96 79.8 76.4 114.6

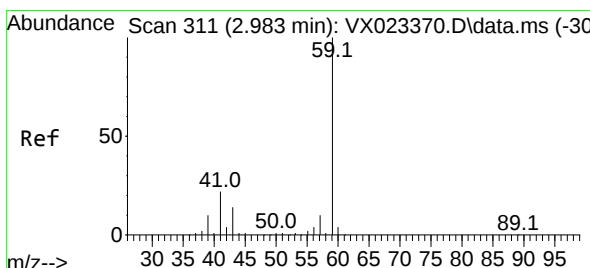
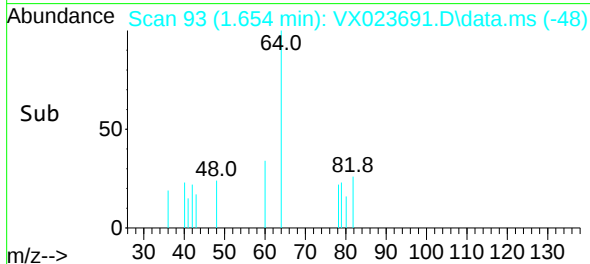
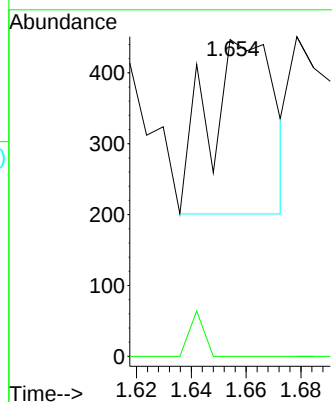
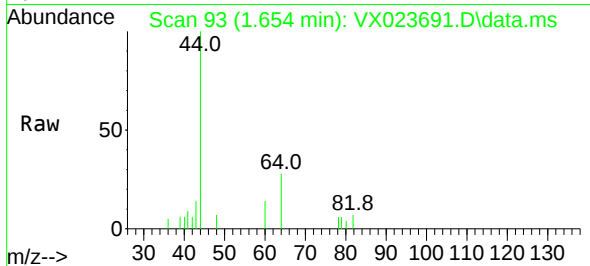




#6
Chloroethane
Concen: 0.426 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.024 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

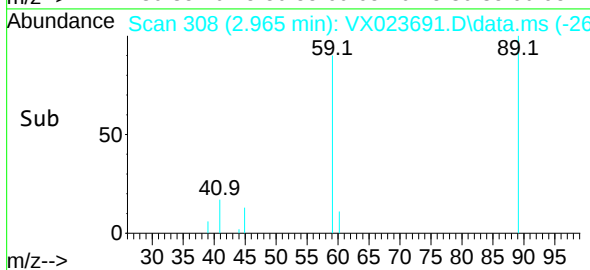
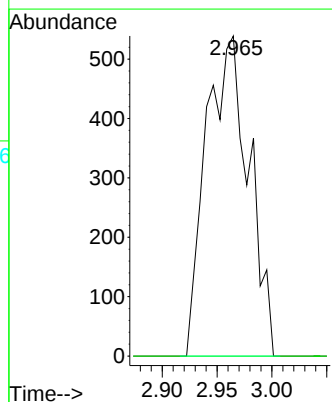
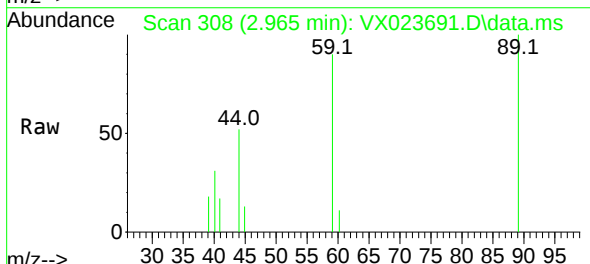
Instrument :
MSVOA_X
ClientSampled :

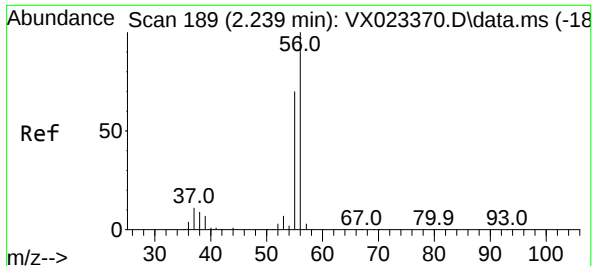
Tgt Ion: 64 Resp: 409
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 3.568 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

Tgt Ion: 59 Resp: 1465
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

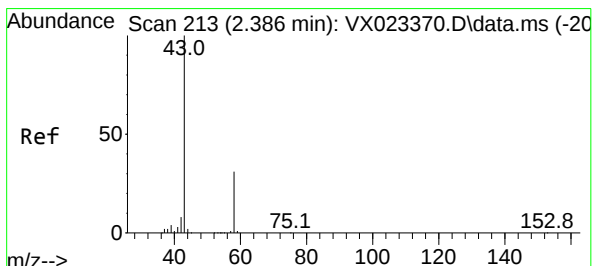
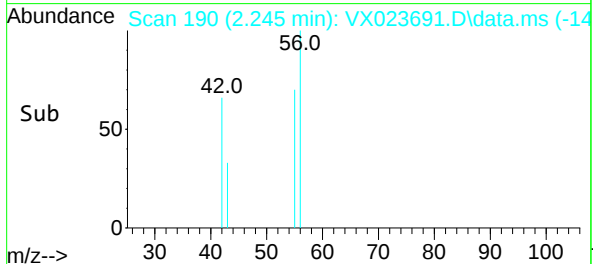
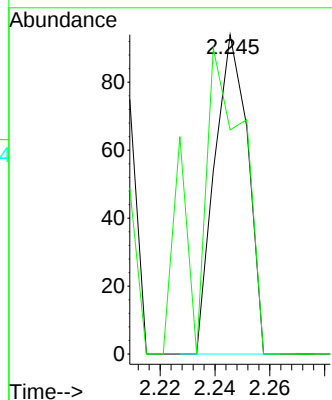
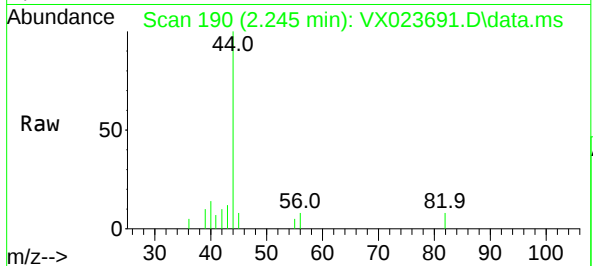




#13
Acrolein
Concen: 1.740 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

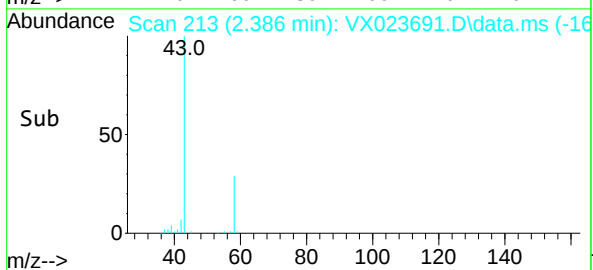
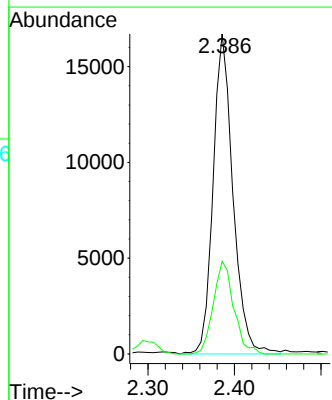
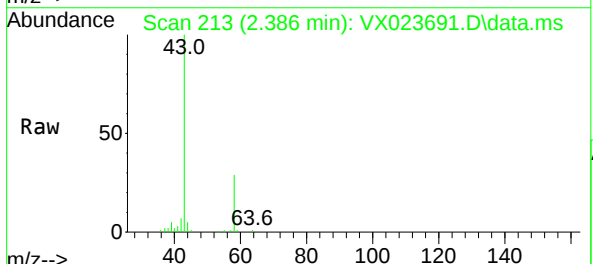
Instrument :
MSVOA_X
ClientSampled :

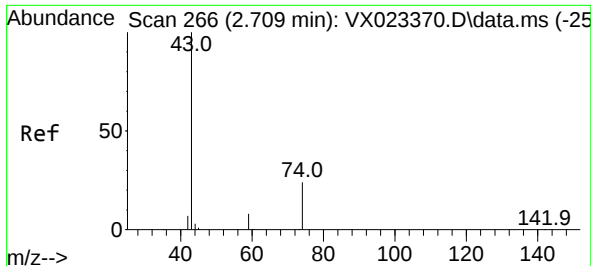
Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 101.3 56.4 84.6#



#16
Acetone
Concen: 30.155 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

Tgt Ion: 43 Resp: 26590
Ion Ratio Lower Upper
43 100
58 28.9 27.8 41.8

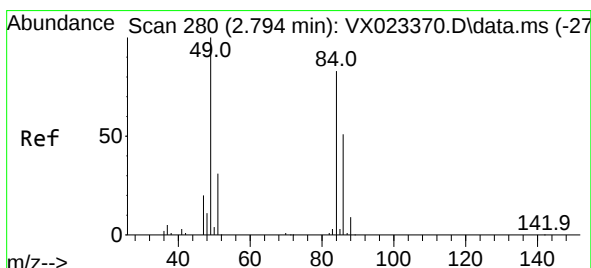
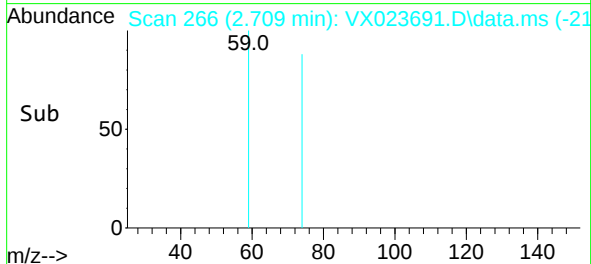
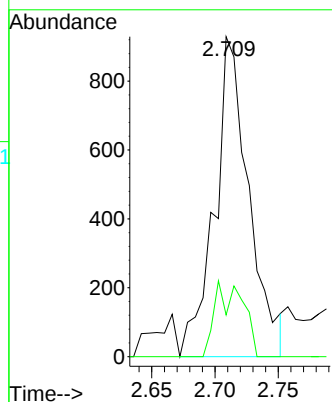
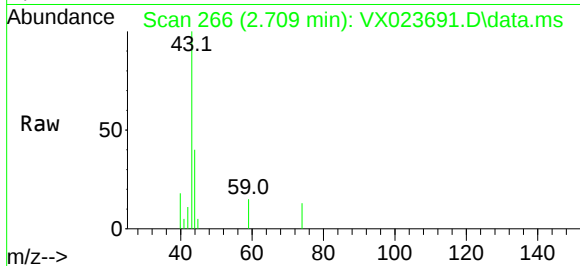




#18
Methyl Acetate
Concen: 0.831 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

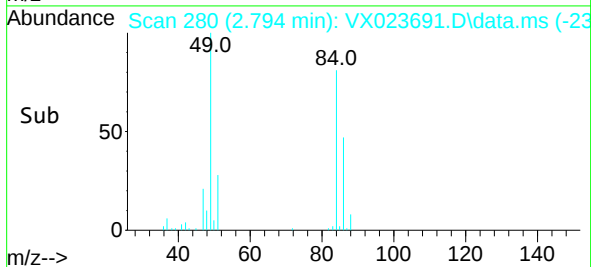
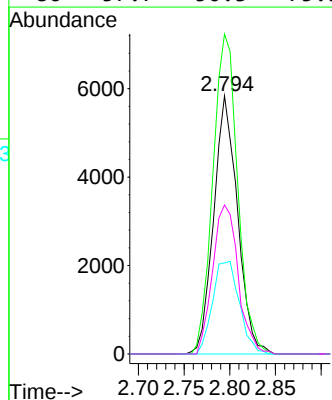
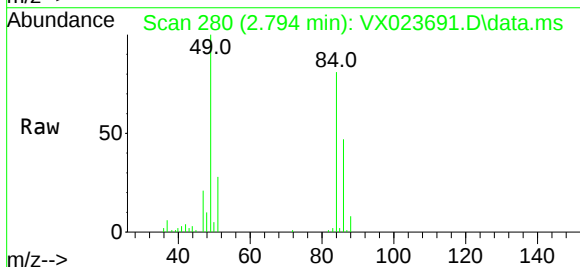
Instrument :
MSVOA_X
ClientSampled :

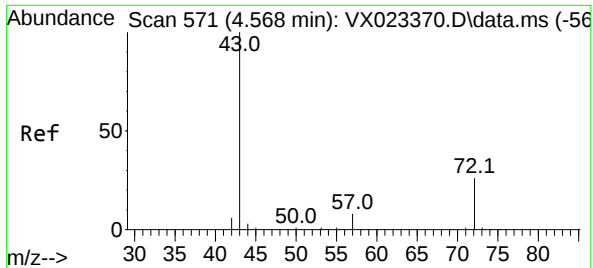
Tgt Ion: 43 Resp: 1741
Ion Ratio Lower Upper
43 100
74 19.2 21.9 32.9#



#20
Methylene Chloride
Concen: 6.169 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

Tgt Ion: 84 Resp: 10581
Ion Ratio Lower Upper
84 100
49 124.0 88.6 132.8
51 35.2 27.0 40.6
86 57.7 50.3 75.5

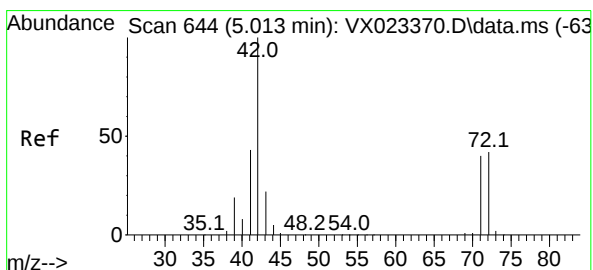
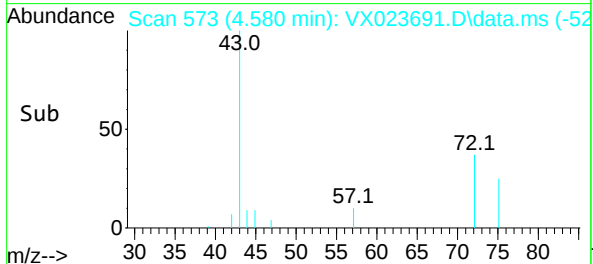
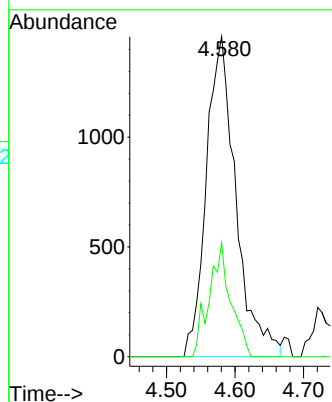
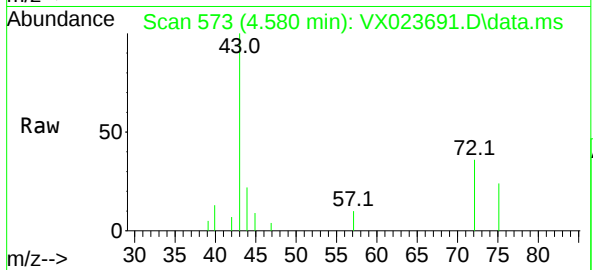




#25
2-Butanone
Concen: 3.196 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

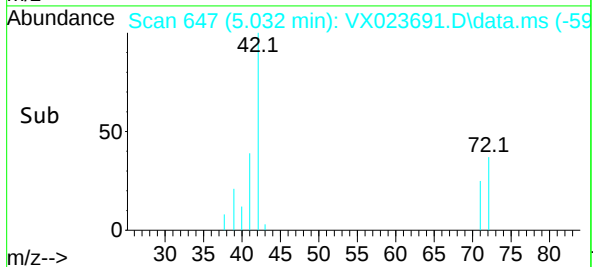
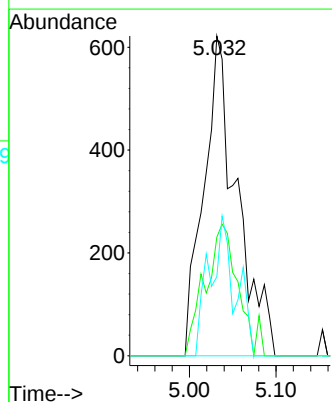
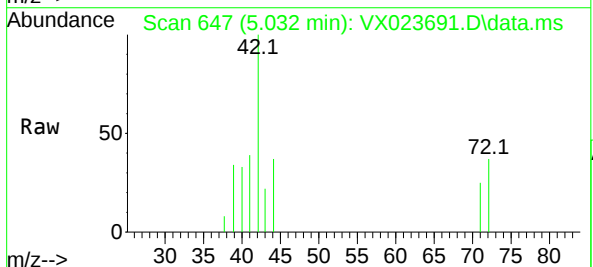
Instrument :
MSVOA_X
ClientSampled :

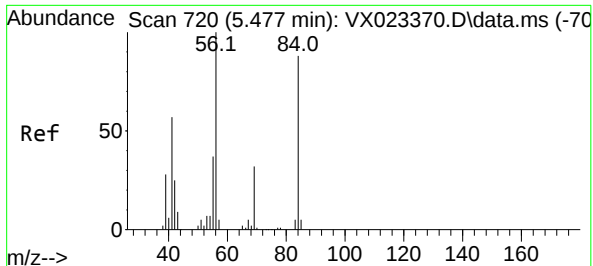
Tgt Ion: 43 Resp: 4375
Ion Ratio Lower Upper
43 100
72 35.6 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.837 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.019 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

Tgt Ion: 42 Resp: 1648
Ion Ratio Lower Upper
42 100
72 41.0 41.7 62.5#
71 34.2 38.4 57.6#

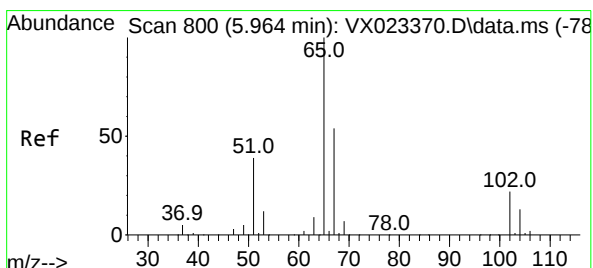
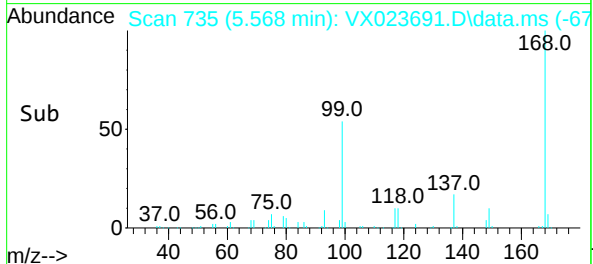
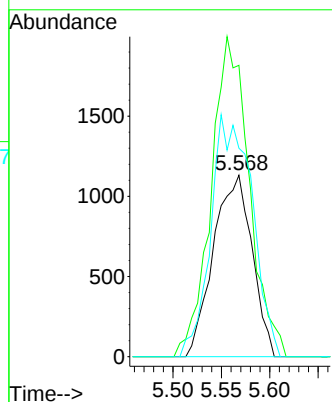
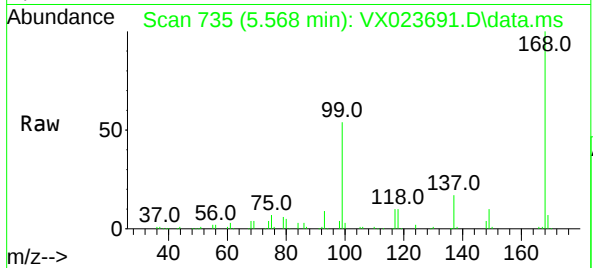




#31
Cyclohexane
Concen: 1.177 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

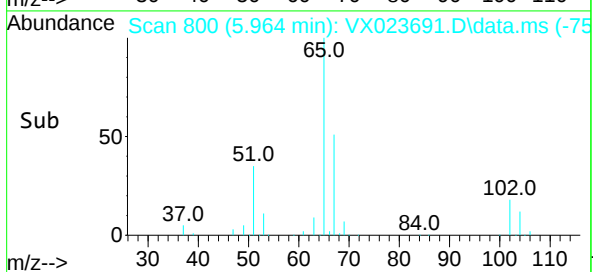
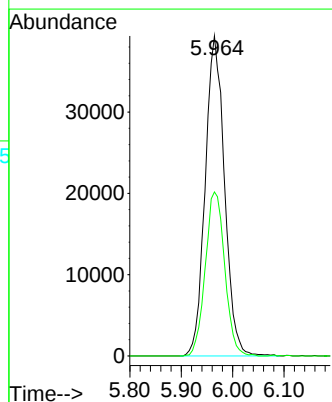
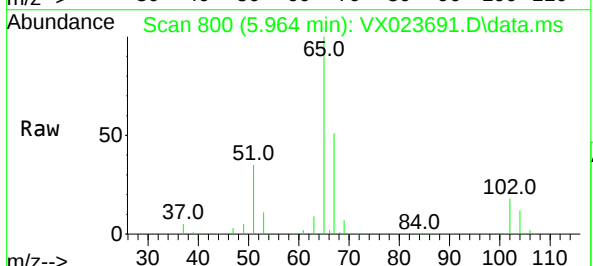
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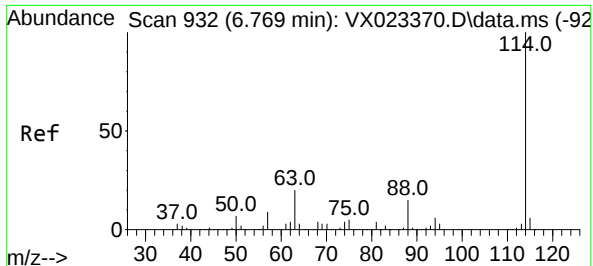
Tgt Ion: 56 Resp: 3134
Ion Ratio Lower Upper
56 100
69 153.1 25.3 37.9#
84 114.8 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 57.147 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

Tgt Ion: 65 Resp: 102725
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.4

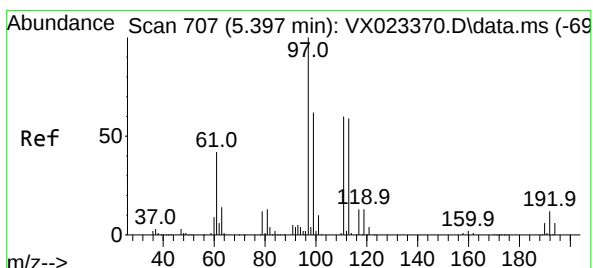
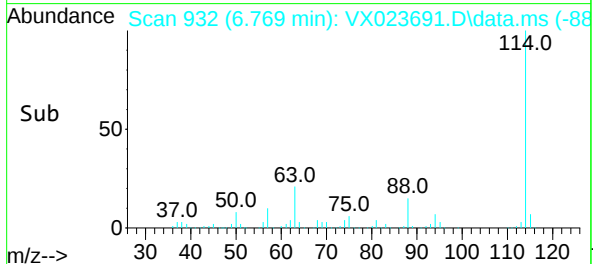
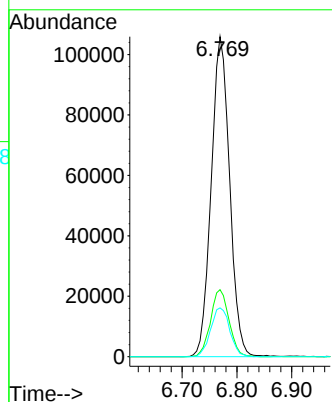
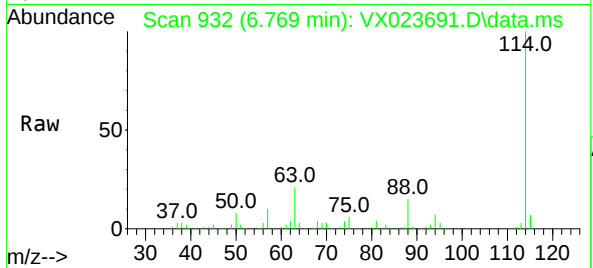




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

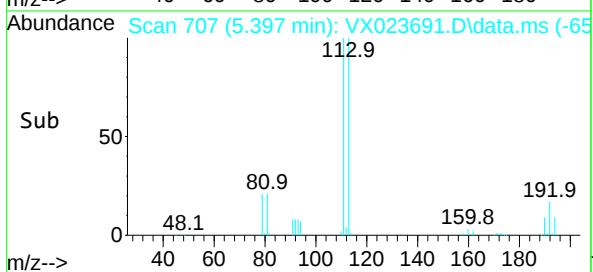
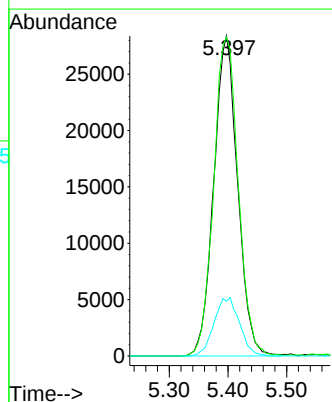
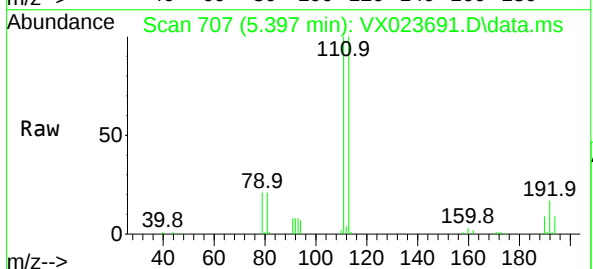
Instrument :
MSVOA_X
ClientSampled :

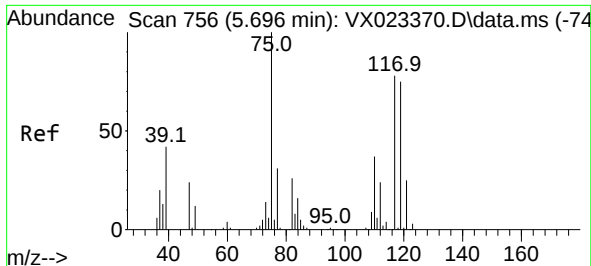
Tgt Ion:114 Resp: 246722
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 15.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.754 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

Tgt Ion:113 Resp: 79836
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 19.5 16.7 25.1

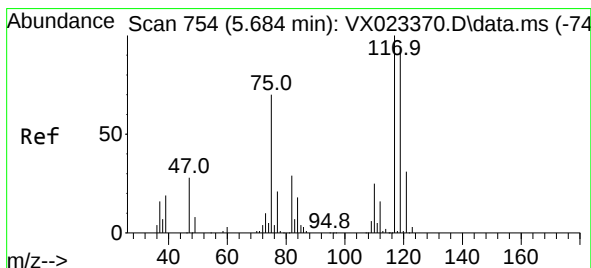
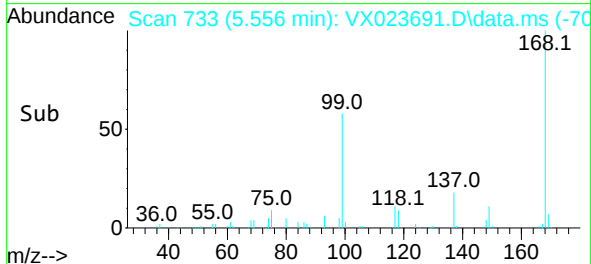
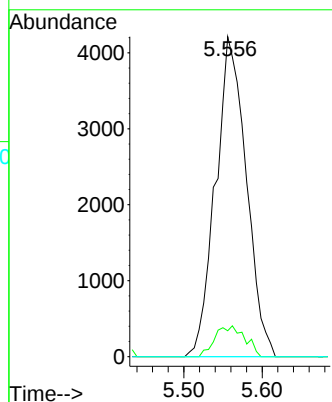
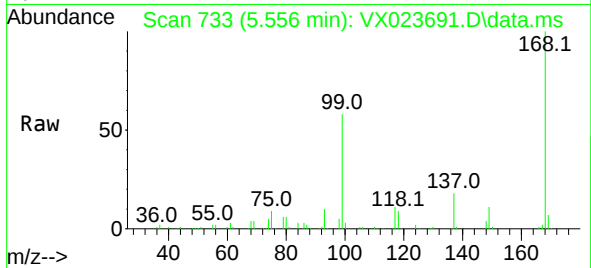




#36
1,1-Dichloropropene
Concen: 5.126 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

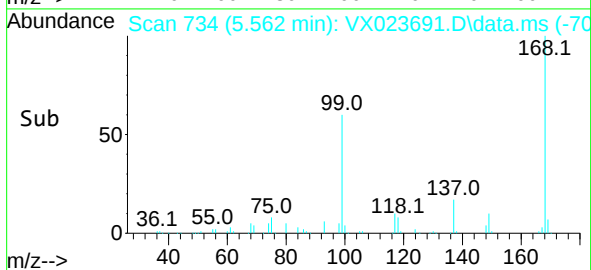
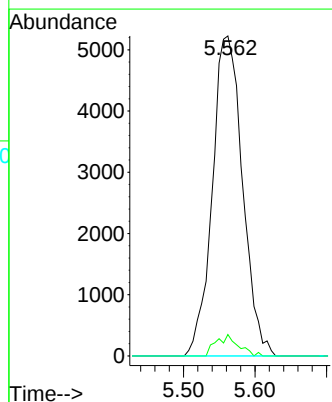
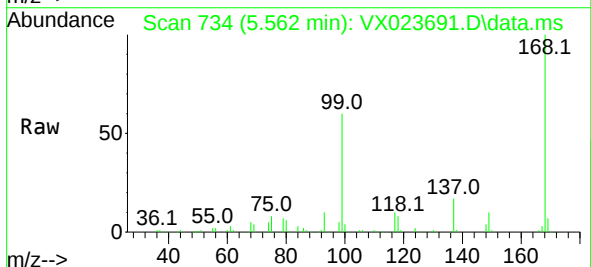
Instrument :
MSVOA_X
ClientSampled :

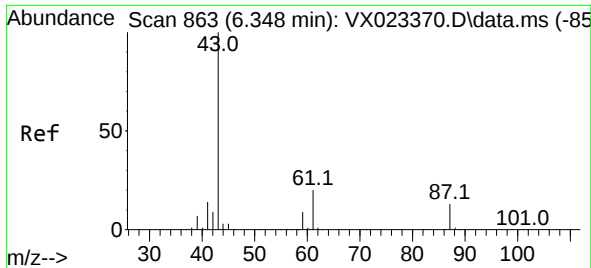
Tgt Ion: 75 Resp: 11441
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.750 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

Tgt Ion: 117 Resp: 15321
Ion Ratio Lower Upper
117 100
119 6.7 76.2 114.2#
121 0.0 24.8 37.2#

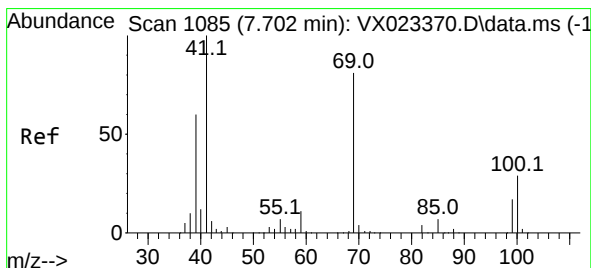
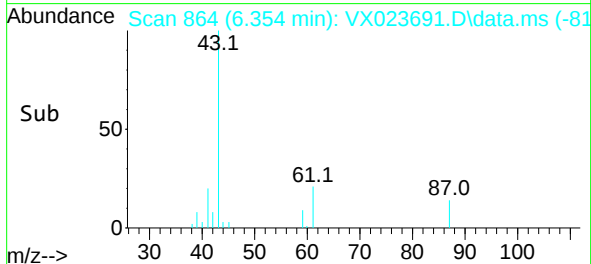
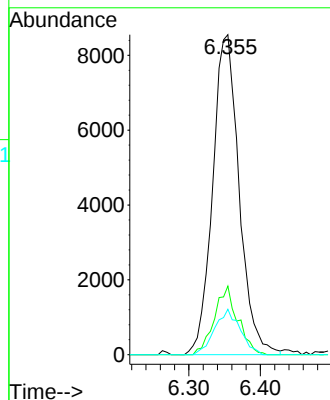
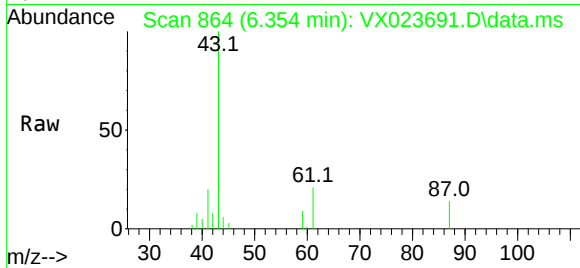




#43
Isopropyl Acetate
Concen: 5.048 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

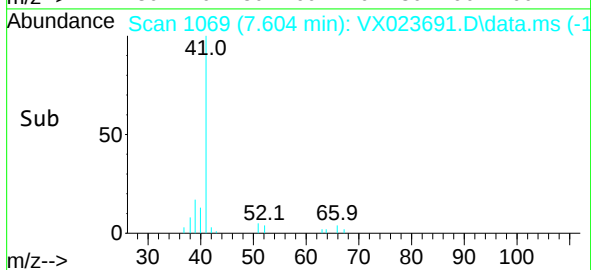
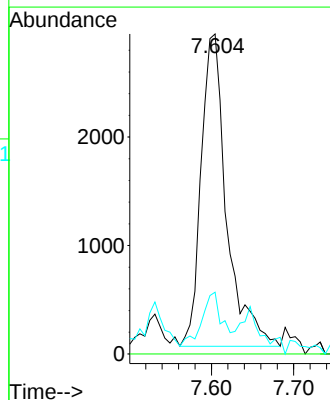
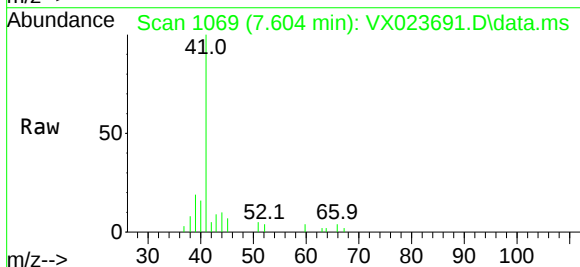
Instrument :
MSVOA_X
ClientSampled :

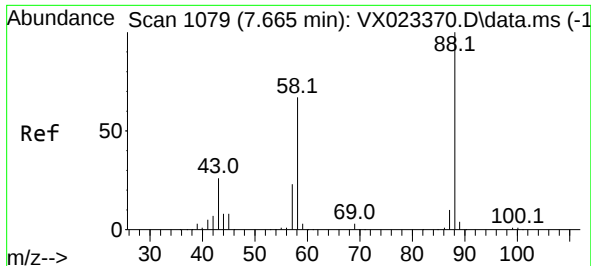
Tgt Ion:	43	Resp:	22011
Ion Ratio	Lower	Upper	
43	100		
61	19.0	18.2	27.4
87	13.6	12.5	18.7



#48
Methyl methacrylate
Concen: 3.075 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

Tgt Ion:	41	Resp:	6209
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: 2.837 ug/l

RT: 7.812 min Scan# 1103

Delta R.T. 0.147 min

Lab File: VX023691.D

Acq: 13 Aug 2021 15:26

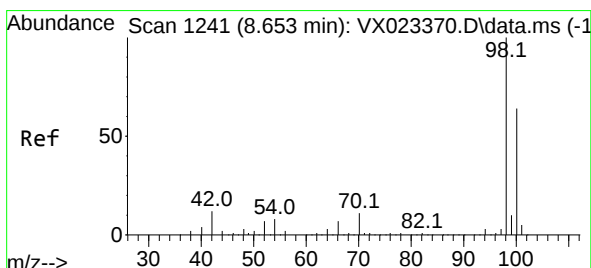
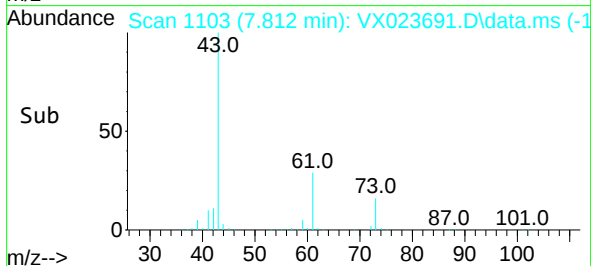
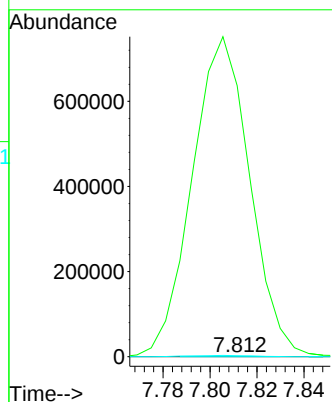
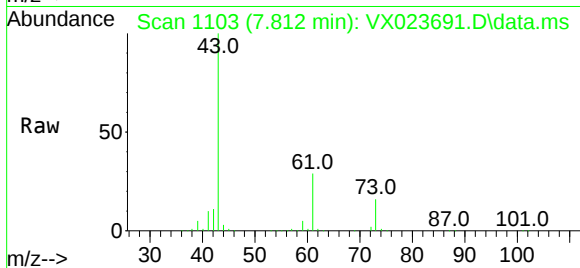
Tgt Ion: 88 Resp: 122

Ion Ratio Lower Upper

88 100

43 1059485.2 23.2 34.8#

58 4576.2 55.0 82.4#



#50

Toluene-d8

Concen: 55.214 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023691.D

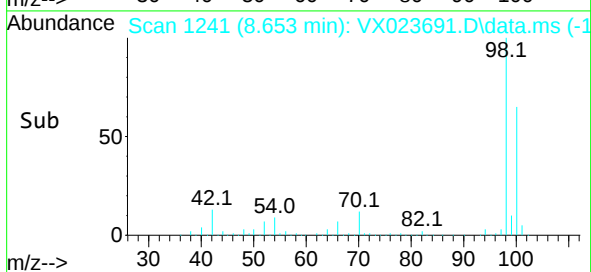
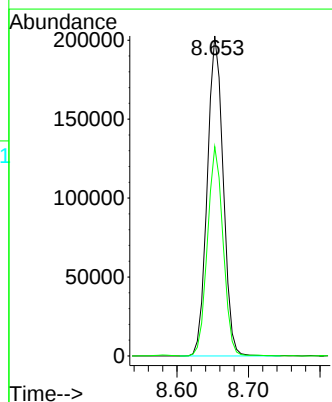
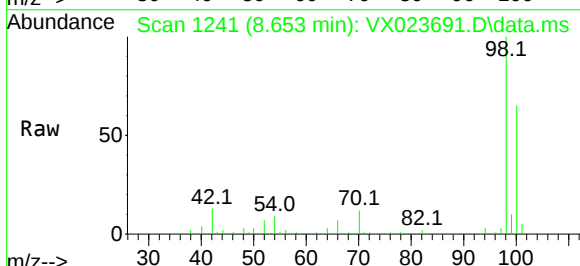
Acq: 13 Aug 2021 15:26

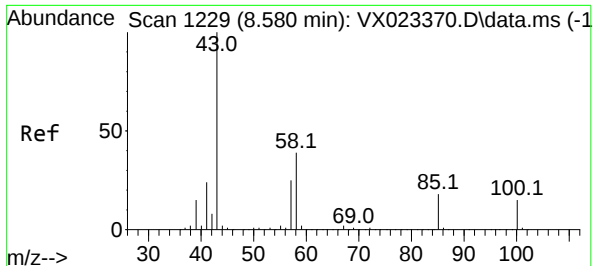
Tgt Ion: 98 Resp: 312934

Ion Ratio Lower Upper

98 100

100 64.1 51.9 77.9

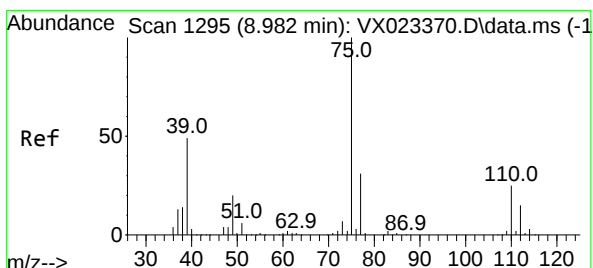
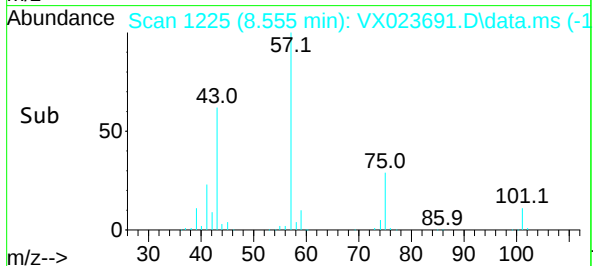
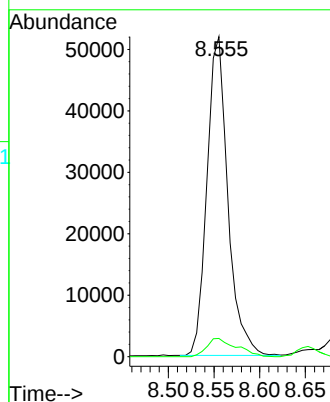
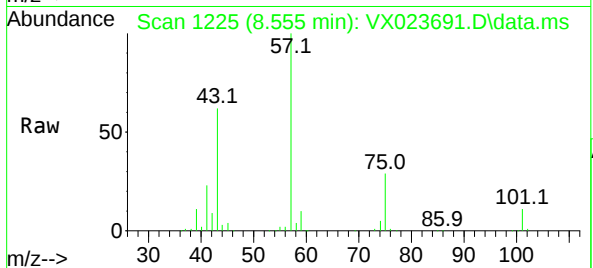




#51
4-Methyl-2-Pentanone
Concen: 30.815 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

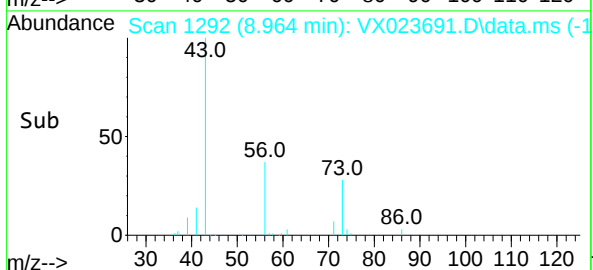
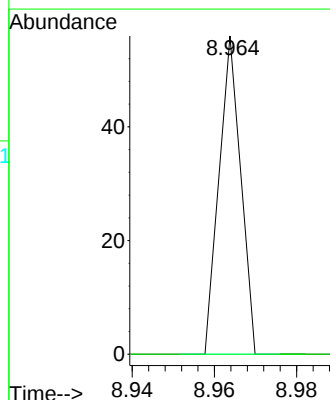
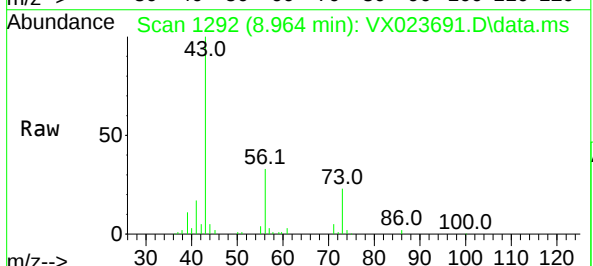
Instrument :
MSVOA_X
ClientSampled :

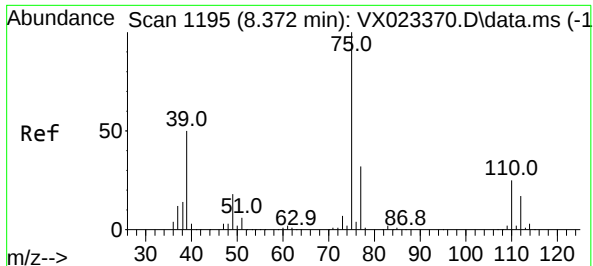
Tgt Ion: 43 Resp: 82187
Ion Ratio Lower Upper
43 100
58 8.2 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 1.824 ug/l
RT: 8.964 min Scan# 1292
Delta R.T. -0.018 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

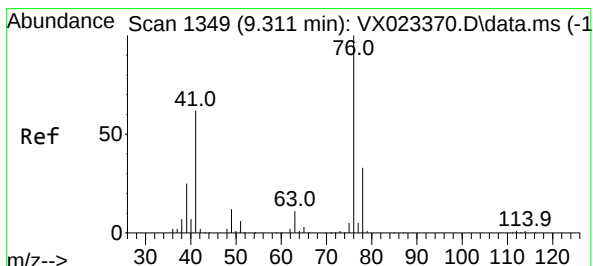
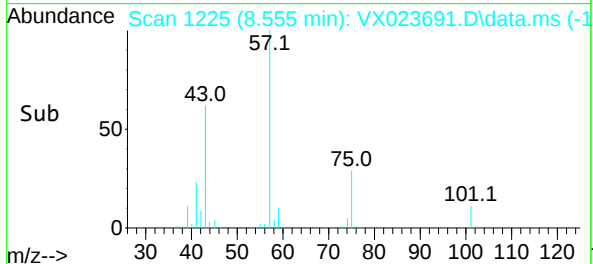
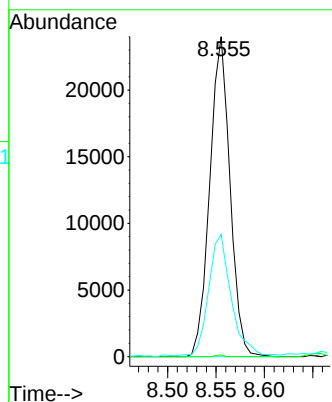
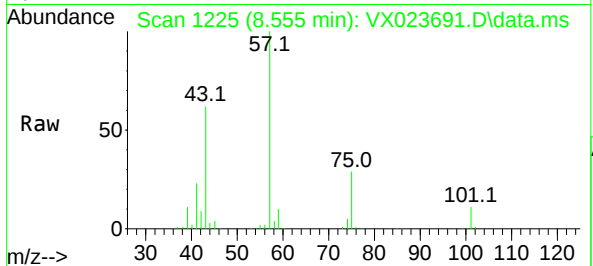




#54
 cis-1,3-Dichloropropene
 Concen: 13.089 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023691.D
 Acq: 13 Aug 2021 15:26

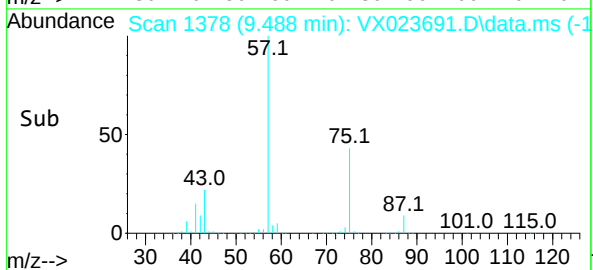
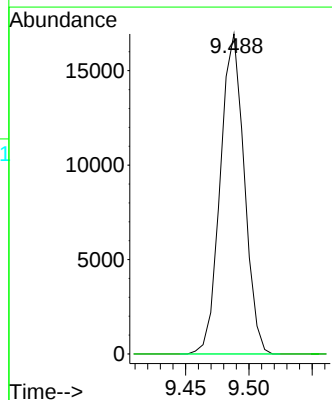
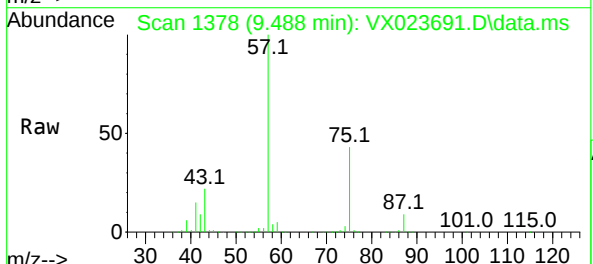
Instrument :
 MSVOA_X
 ClientSampled :

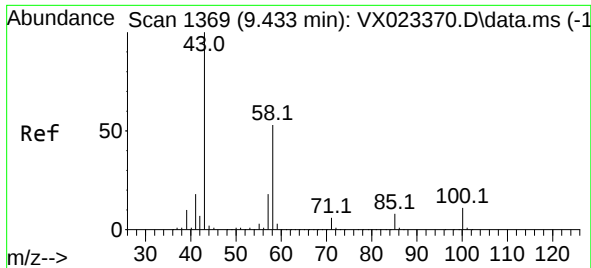
Tgt Ion: 75 Resp: 34917
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.7 38.5#
 39 37.7 35.1 52.7



#57
 1,3-Dichloropropane
 Concen: 7.902 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023691.D
 Acq: 13 Aug 2021 15:26

Tgt Ion: 76 Resp: 22292
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

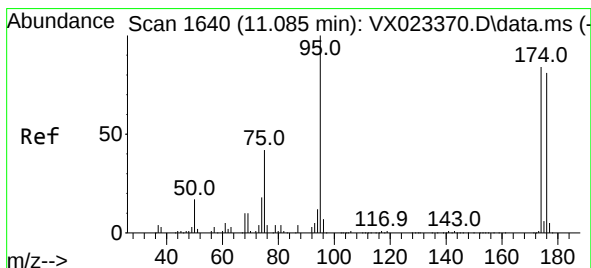
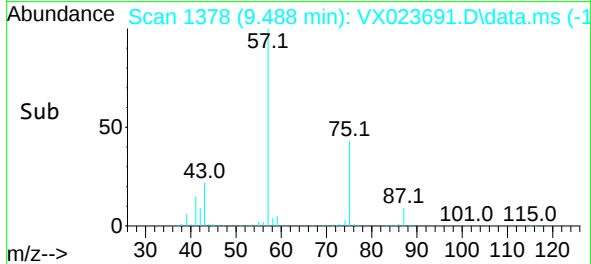
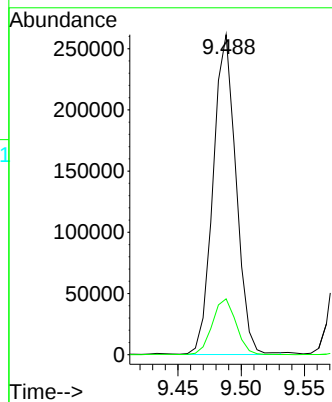
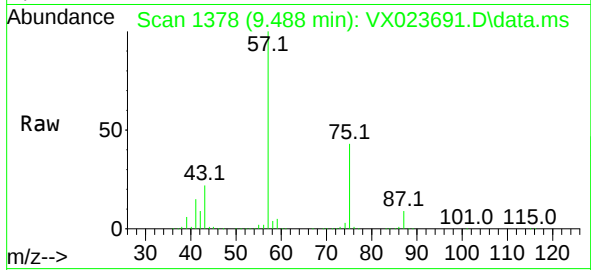




#59
2-Hexanone
Concen: 162.608 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

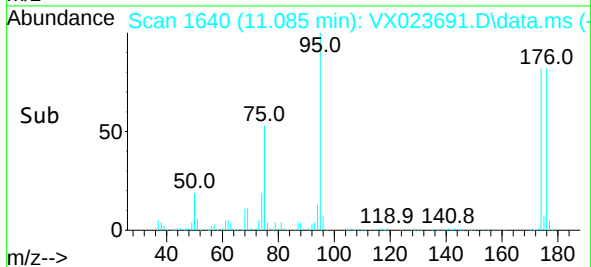
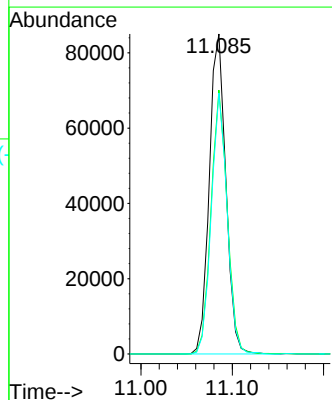
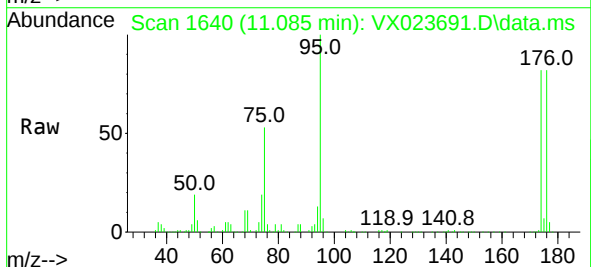
Instrument :
MSVOA_X
ClientSampled :

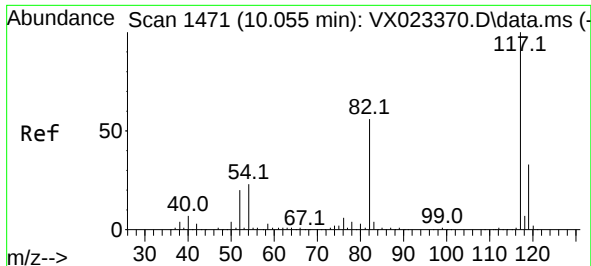
Tgt Ion: 43 Resp: 329335
Ion Ratio Lower Upper
43 100
58 18.1 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 55.332 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

Tgt Ion: 95 Resp: 106636
Ion Ratio Lower Upper
95 100
174 80.5 0.0 154.6
176 78.0 0.0 155.8

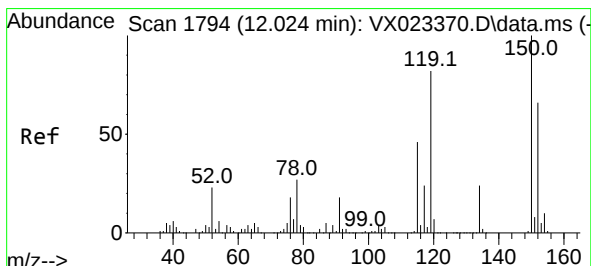
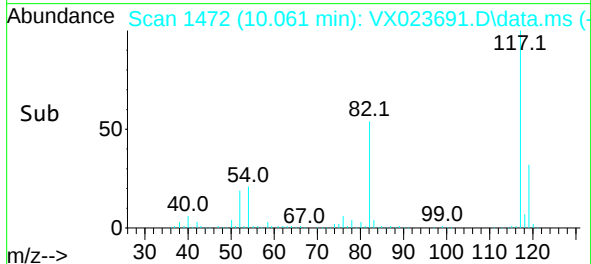
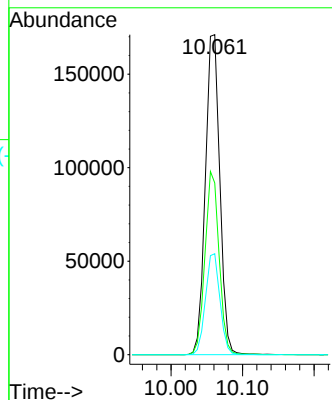
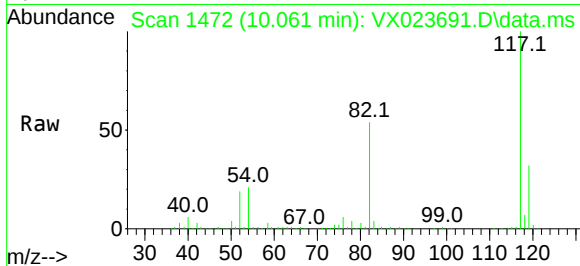




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

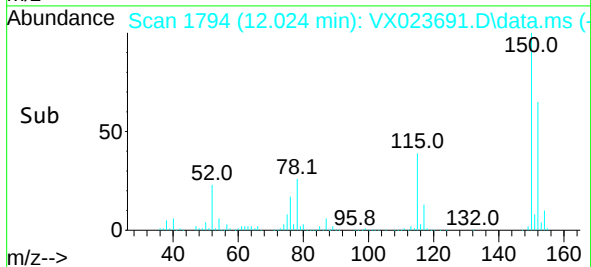
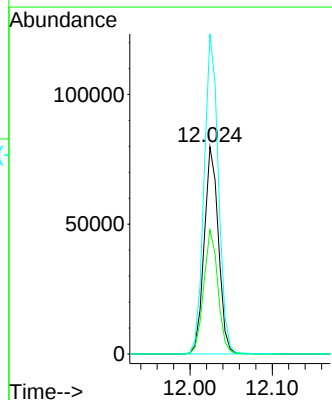
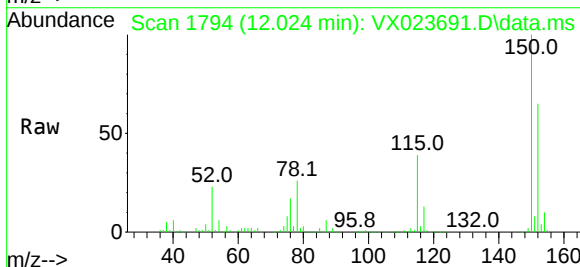
Instrument :
MSVOA_X
ClientSampled :

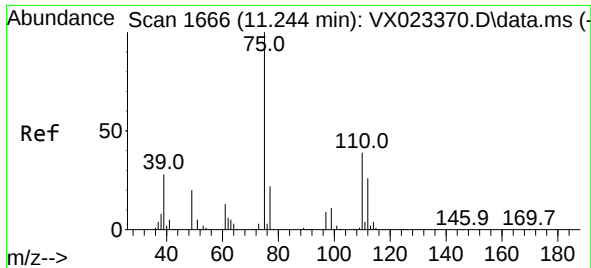
Tgt Ion:117 Resp: 240905
Ion Ratio Lower Upper
117 100
82 53.7 47.4 71.2
119 31.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

Tgt Ion:152 Resp: 95928
Ion Ratio Lower Upper
152 100
115 59.6 41.1 123.3
150 155.2 0.0 349.0

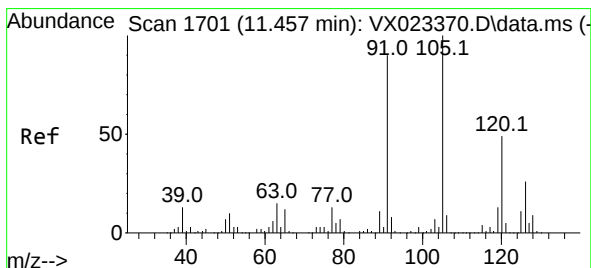
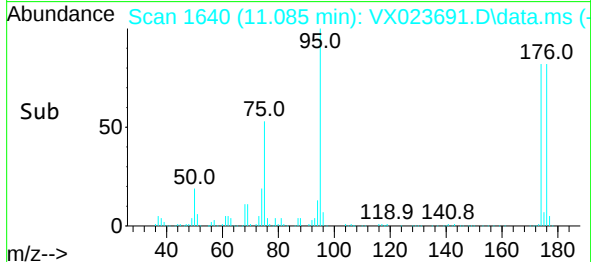
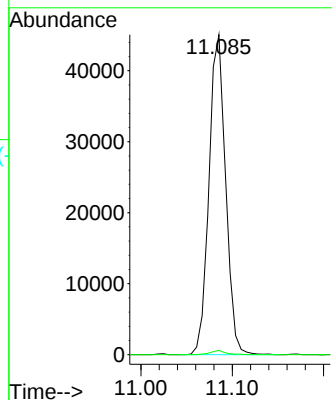
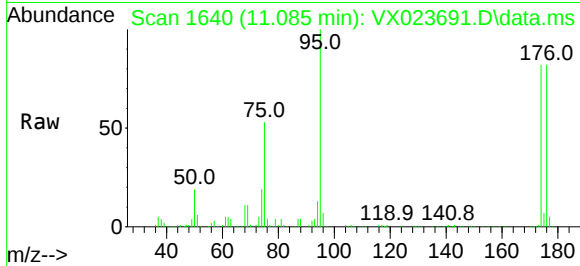




#76
1,2,3-Trichloropropane
Concen: 26.971 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

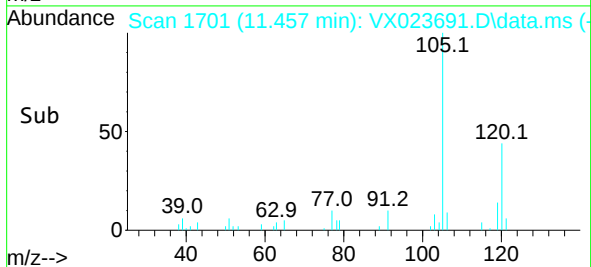
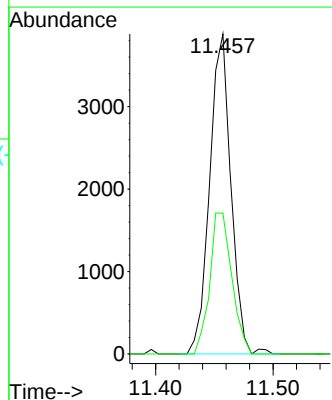
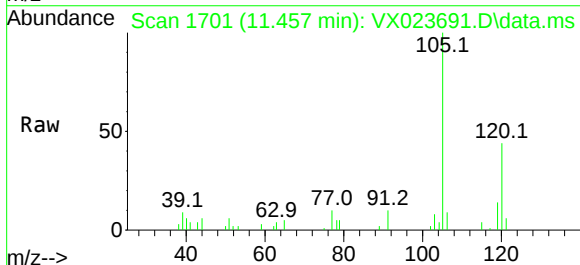
Instrument :
MSVOA_X
ClientSampled :

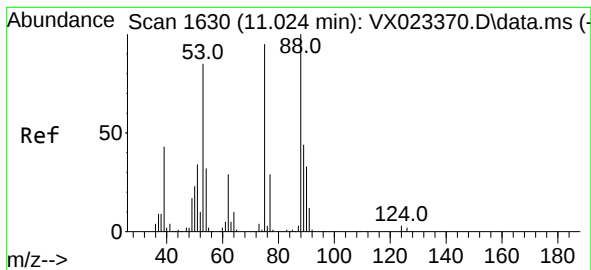
Tgt Ion: 75 Resp: 56934
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.829 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023691.D
Acq: 13 Aug 2021 15:26

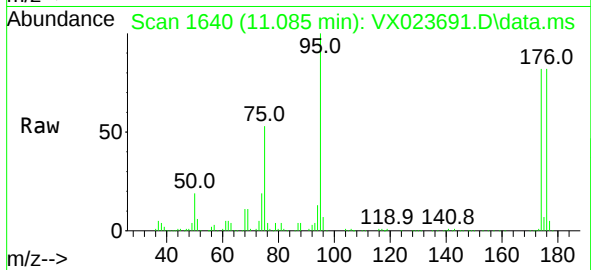
Tgt Ion: 105 Resp: 4884
Ion Ratio Lower Upper
105 100
120 45.9 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.521 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023691.D
 Acq: 13 Aug 2021 15:26

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 56934
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

