

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023700.D
 Acq On : 13 Aug 2021 18:58
 Operator : JC/MD
 Sample : PB138358ZHE#17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

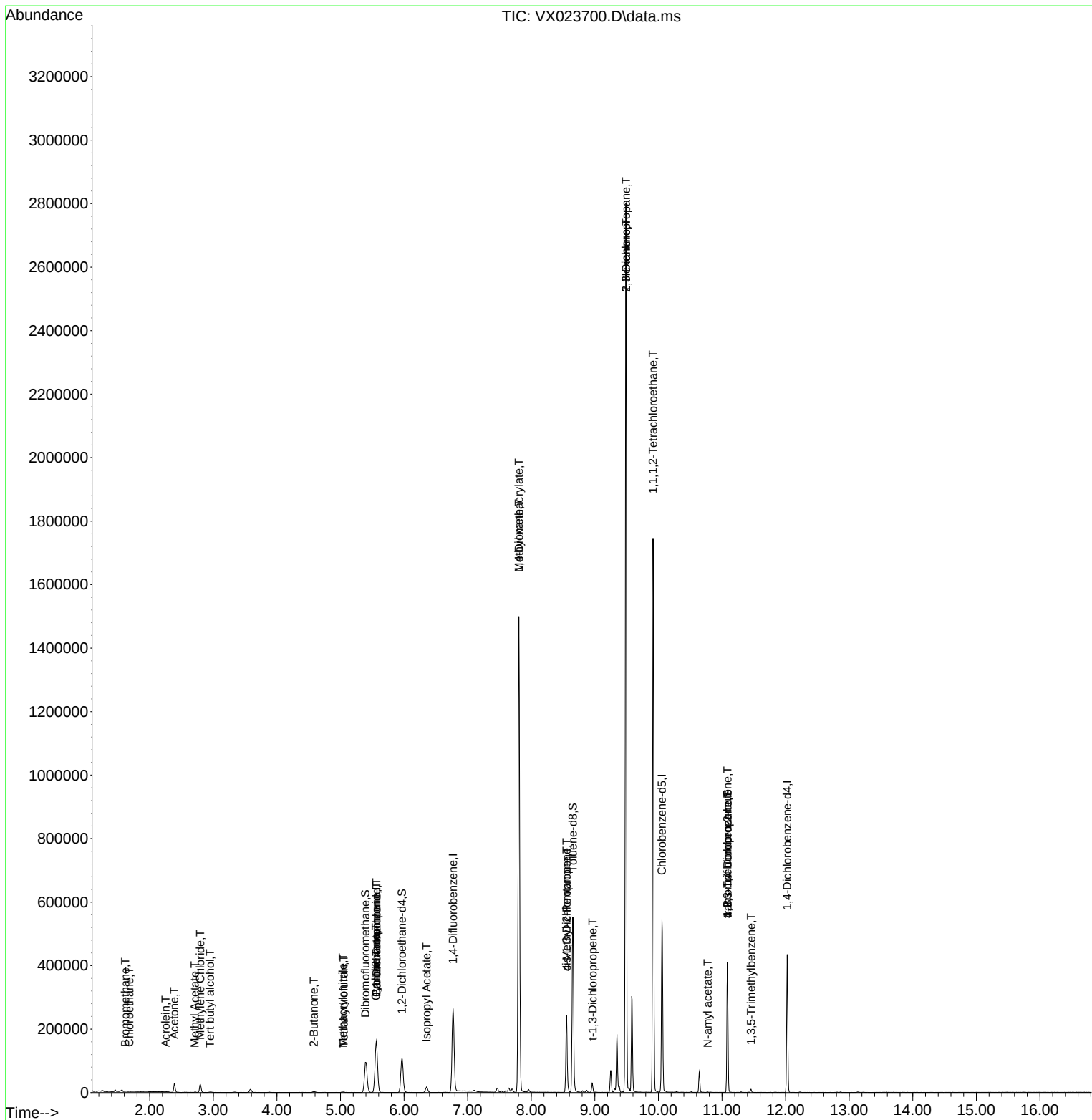
Quant Time: Aug 14 05:29:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

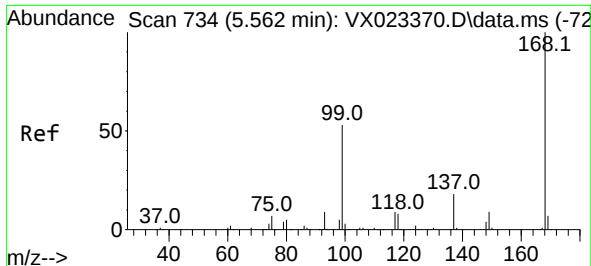
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	148444	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	257720	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	106516	57.523	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 115.040%	
35) Dibromofluoromethane	5.391	113	83742	51.969	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.940%	
50) Toluene-d8	8.653	98	318966	53.877	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 107.760%	
62) 4-Bromofluorobenzene	11.085	95	101349	50.344	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.680%	
Target Compounds						
						Qvalue
5) Bromomethane	1.618	94	359	0.375	ug/l	85
6) Chloroethane	1.679	64	319	0.323	ug/l #	43
11) Tert butyl alcohol	2.947	59	803	1.898	ug/l #	73
13) Acrolein	2.252	56	80	1.734	ug/l #	61
16) Acetone	2.386	43	28268	31.120	ug/l #	87
18) Methyl Acetate	2.709	43	1747	0.809	ug/l #	85
20) Methylene Chloride	2.794	84	10897	6.167	ug/l #	75
25) 2-Butanone	4.581	43	4686	3.323	ug/l #	82
29) Tetrahydrofuran	5.050	42	1658	1.794	ug/l #	64
31) Cyclohexane	5.556	56	3409	1.243	ug/l #	31
36) 1,1-Dichloropropene	5.562	75	11786	5.055	ug/l #	50
38) Carbon Tetrachloride	5.562	117	15295	6.451	ug/l #	15
41) Methacrylonitrile	5.038	41	1030	0.664	ug/l #	44
43) Isopropyl Acetate	6.355	43	22864	5.020	ug/l	94
48) Methyl methacrylate	7.806	41	130436	61.832	ug/l #	38
49) 1,4-Dioxane	7.806	88	229	5.098	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	86456	31.032	ug/l #	45
53) t-1,3-Dichloropropene	8.964	75	42	1.831	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	35431	12.715	ug/l #	70
57) 1,3-Dichloropropane	9.488	76	22734	7.715	ug/l #	42
59) 2-Hexanone	9.488	43	334739	158.223	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	9.915	131	20	0.985	ug/l #	8
74) N-amyl acetate	10.775	43	785	0.272	ug/l #	41
76) 1,2,3-Trichloropropane	11.085	75	54155	29.335	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	4404	0.854	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.085	75	54155	78.878	ug/l #	12

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

Quant Time: Aug 14 05:29:22 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

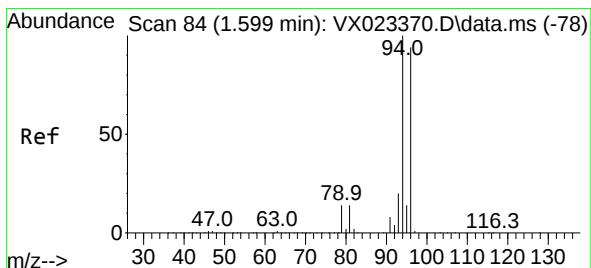
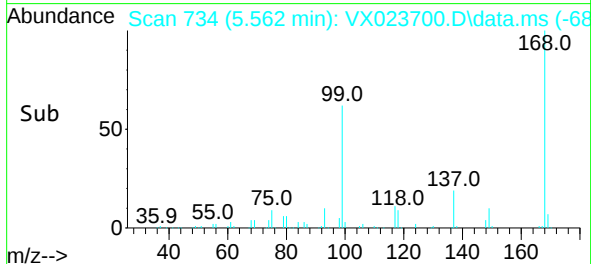
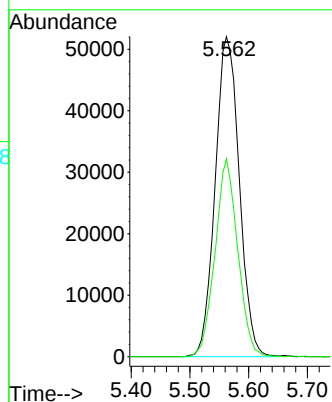
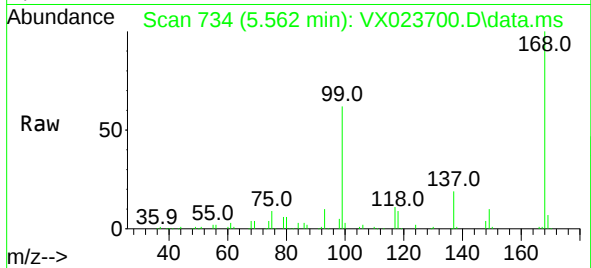




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

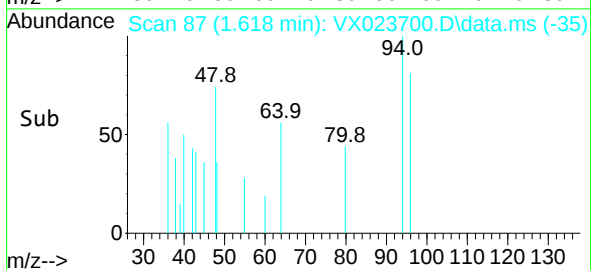
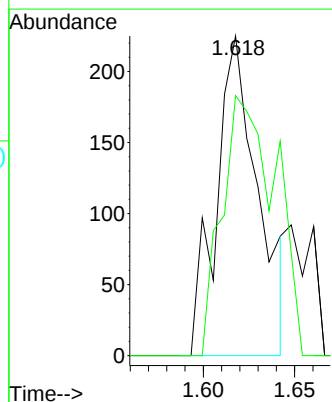
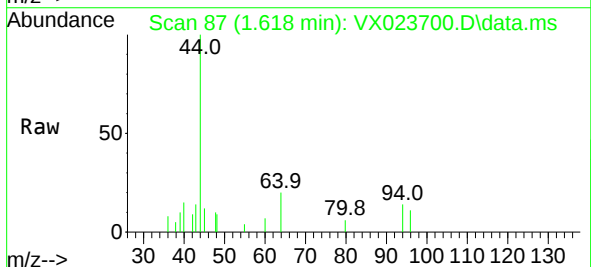
Instrument :
MSVOA_X
ClientSampled :

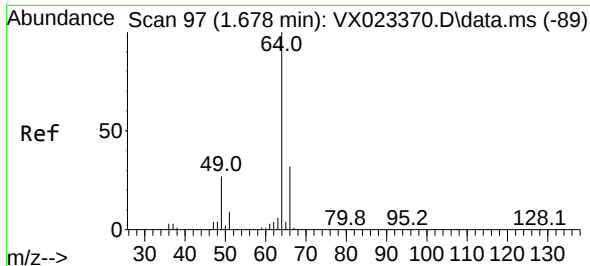
Tgt Ion:168 Resp: 148444
Ion Ratio Lower Upper
168 100
99 61.8 45.8 68.6



#5
Bromomethane
Concen: 0.375 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

Tgt Ion: 94 Resp: 359
Ion Ratio Lower Upper
94 100
96 81.3 76.4 114.6

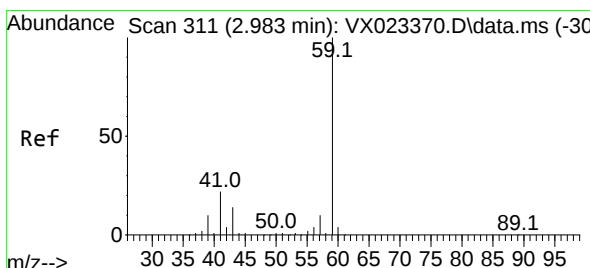
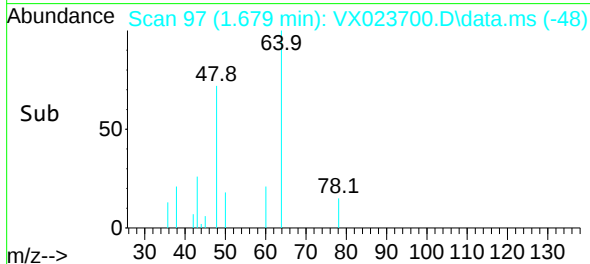
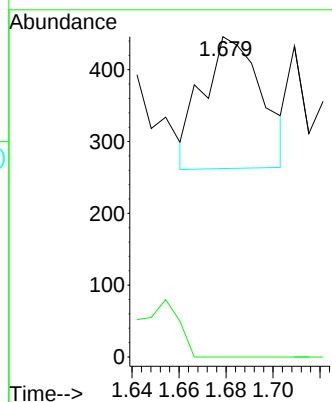
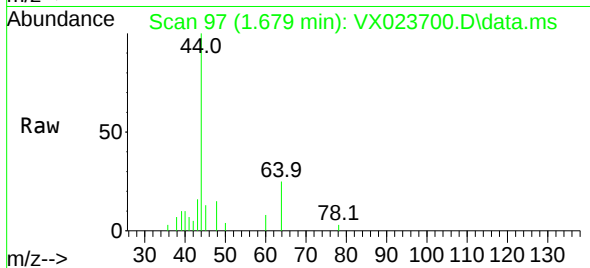




#6
Chloroethane
Concen: 0.323 ug/l
RT: 1.679 min Scan# 97
Delta R.T. 0.001 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

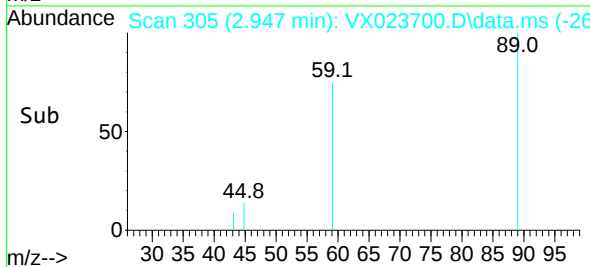
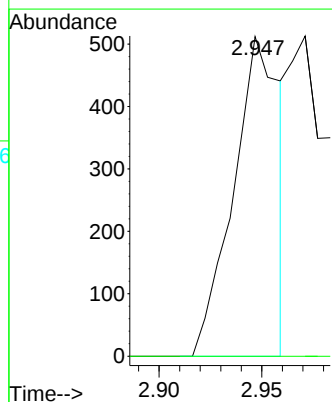
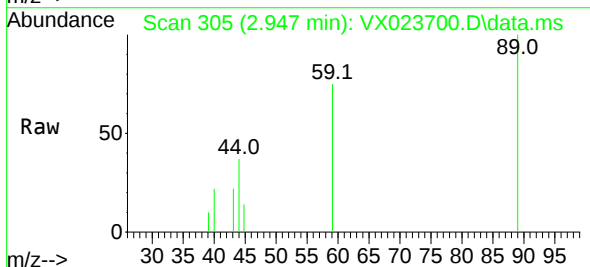
Instrument :
MSVOA_X
ClientSampled :

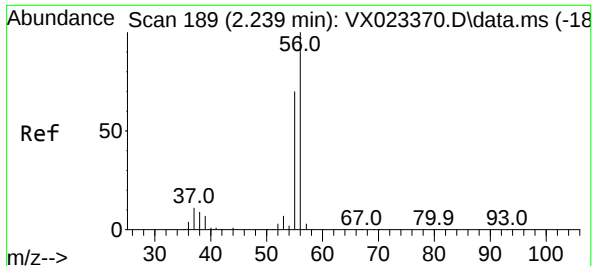
Tgt Ion: 64 Resp: 319
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 1.898 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

Tgt Ion: 59 Resp: 803
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

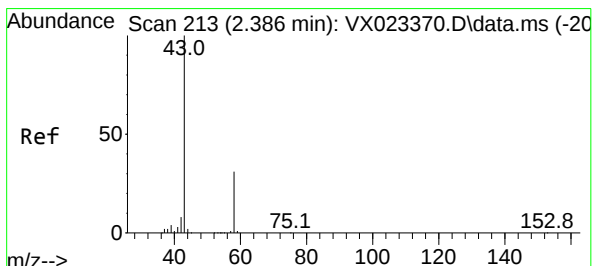
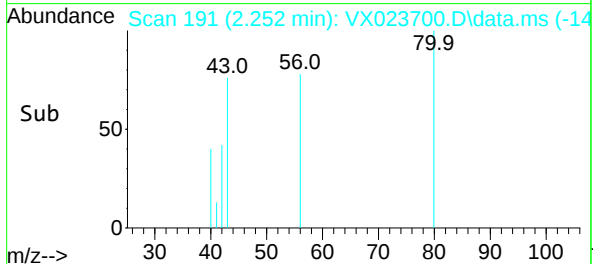
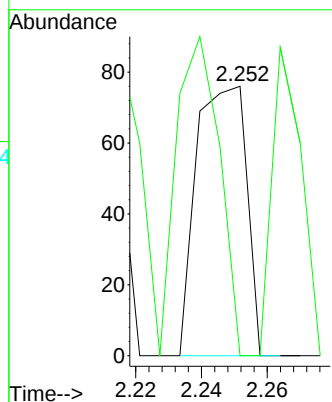
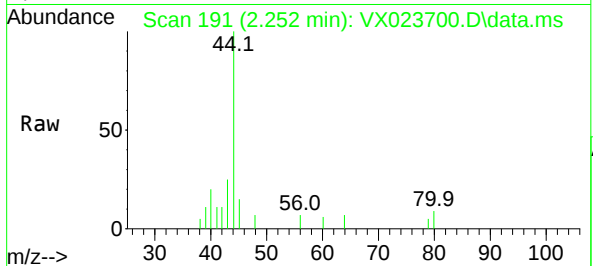




#13
Acrolein
Concen: 1.734 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.013 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

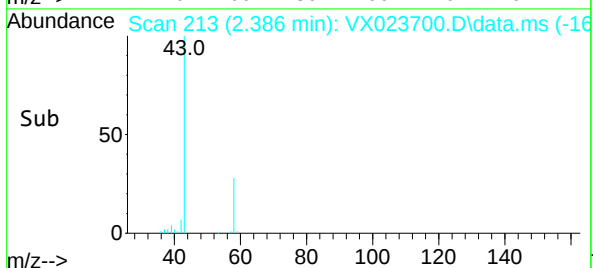
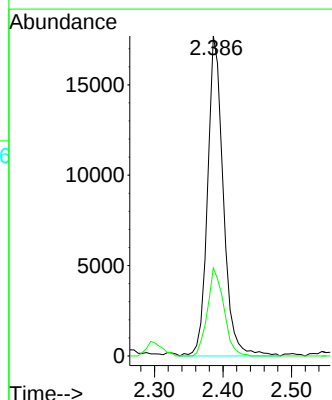
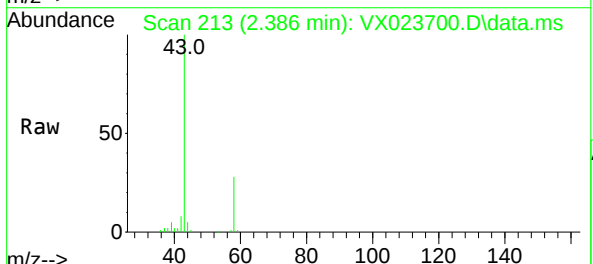
Instrument :
MSVOA_X
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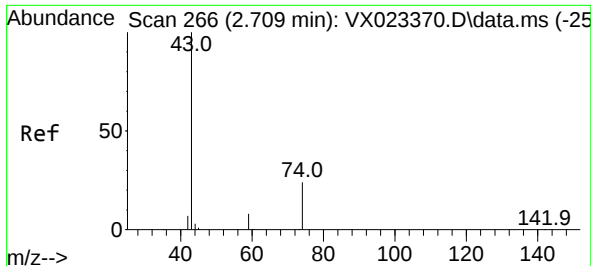
Tgt Ion: 56 Resp: 80
Ion Ratio Lower Upper
56 100
55 102.5 56.4 84.6#



#16
Acetone
Concen: 31.120 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

Tgt Ion: 43 Resp: 28268
Ion Ratio Lower Upper
43 100
58 27.5 27.8 41.8#

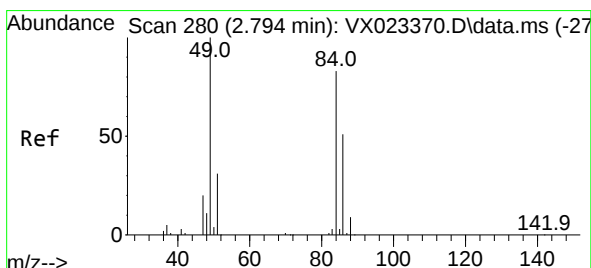
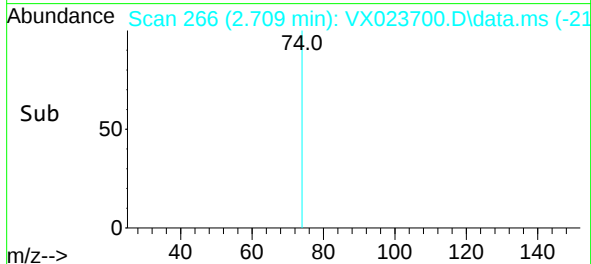
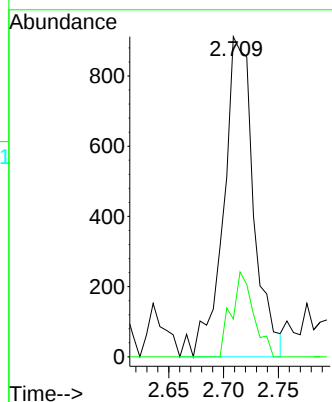
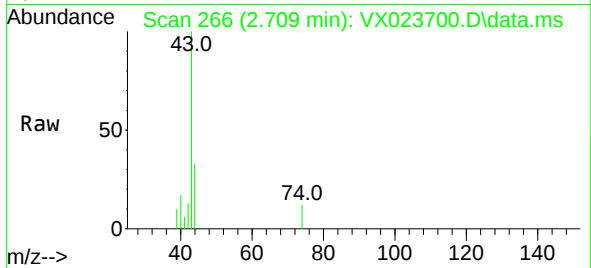




#18
Methyl Acetate
Concen: 0.809 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

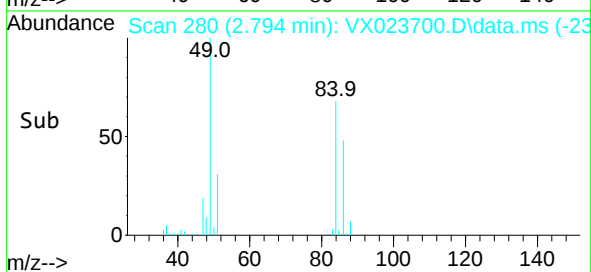
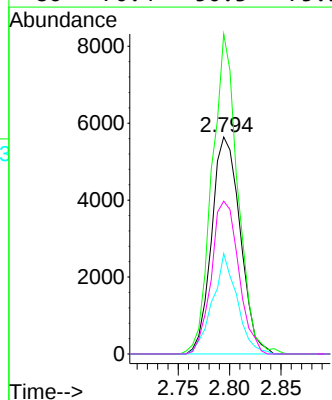
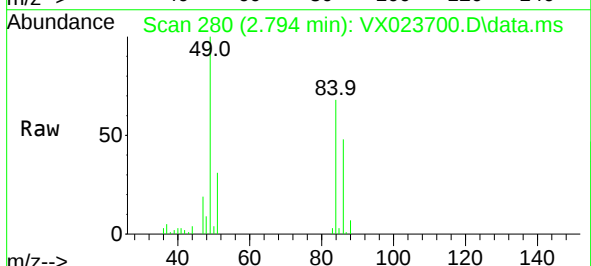
Instrument :
MSVOA_X
ClientSampled :

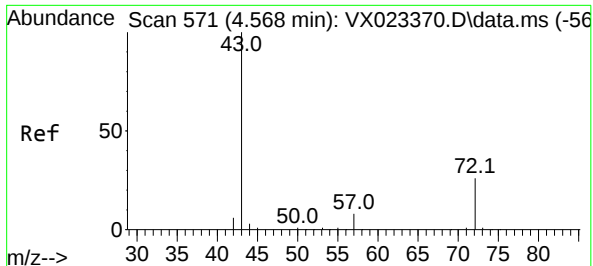
Tgt Ion: 43 Resp: 1747
Ion Ratio Lower Upper
43 100
74 19.5 21.9 32.9#



#20
Methylene Chloride
Concen: 6.167 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

Tgt Ion: 84 Resp: 10897
Ion Ratio Lower Upper
84 100
49 147.5 88.6 132.8#
51 46.2 27.0 40.6#
86 70.4 50.3 75.5

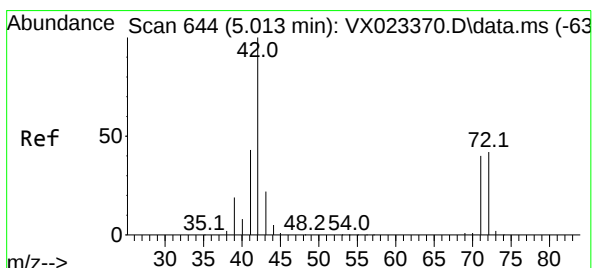
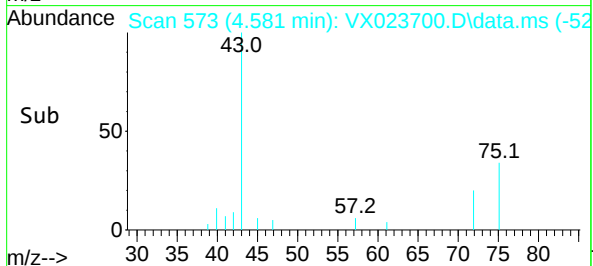
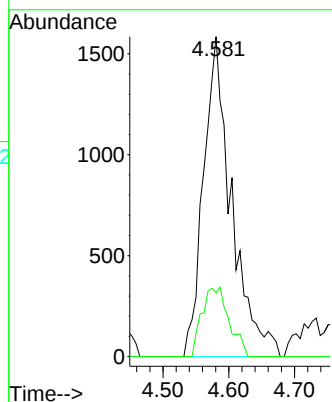
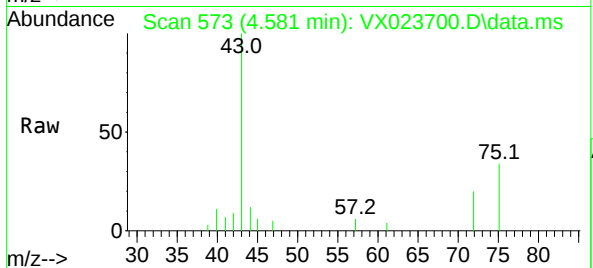




#25
2-Butanone
Concen: 3.323 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

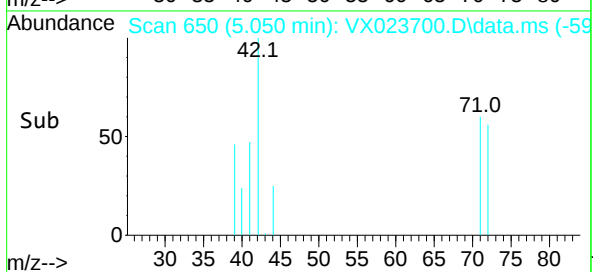
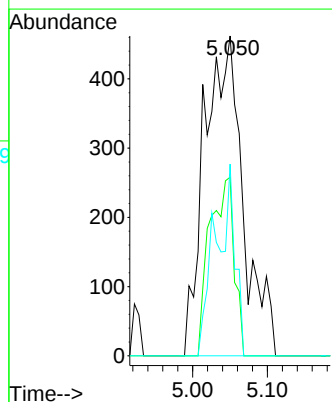
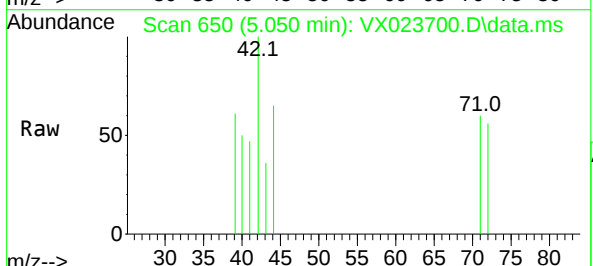
Instrument :
MSVOA_X
ClientSampled :

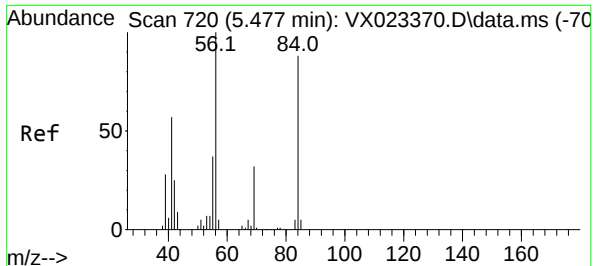
Tgt Ion: 43 Resp: 4686
Ion Ratio Lower Upper
43 100
72 19.9 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.794 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.037 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

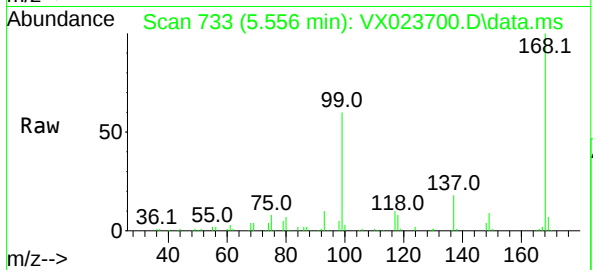
Tgt Ion: 42 Resp: 1658
Ion Ratio Lower Upper
42 100
72 35.4 41.7 62.5#
71 15.0 38.4 57.6#



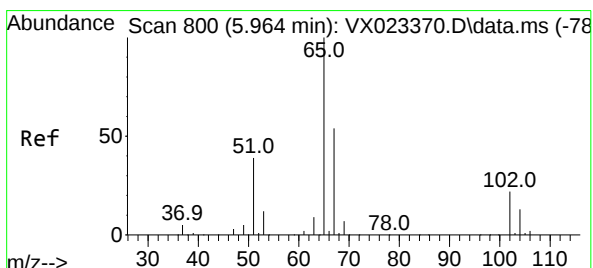
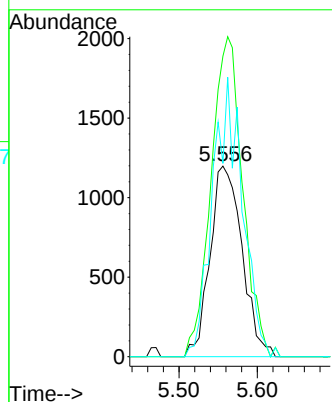
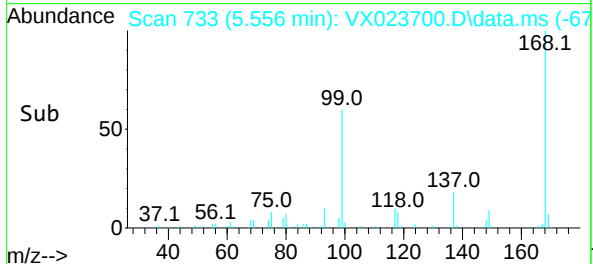


#31
Cyclohexane
Concen: 1.243 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

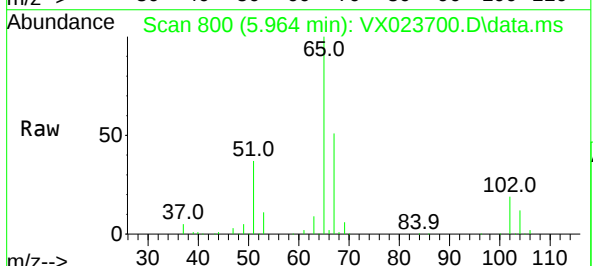
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ClientSampleId :



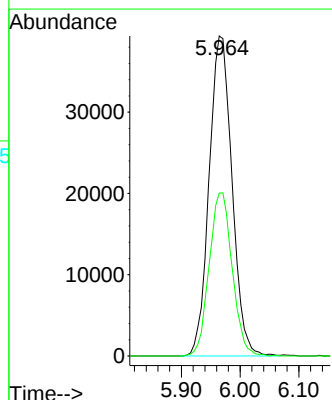
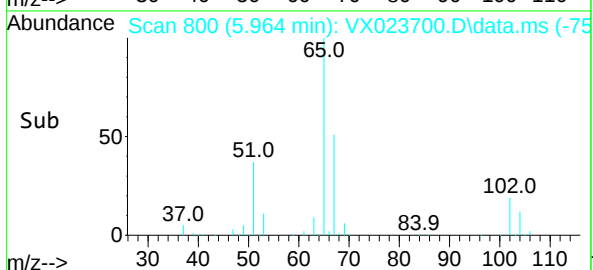
Tgt Ion: 56 Resp: 3409
Ion Ratio Lower Upper
56 100
69 157.7 25.3 37.9#
84 101.4 71.4 107.0

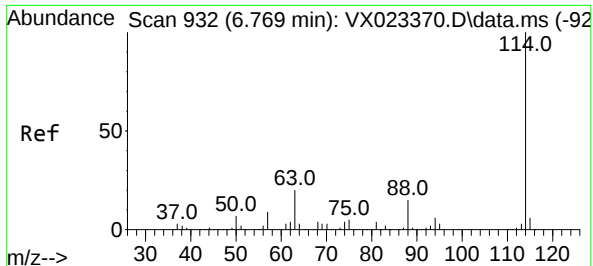


#33
1,2-Dichloroethane-d4
Concen: 57.523 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58



Tgt Ion: 65 Resp: 106516
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.4

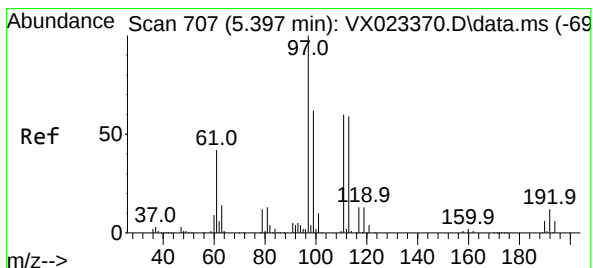
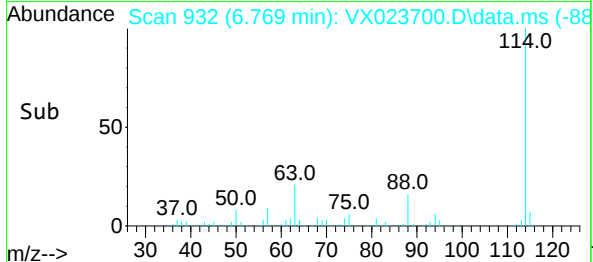
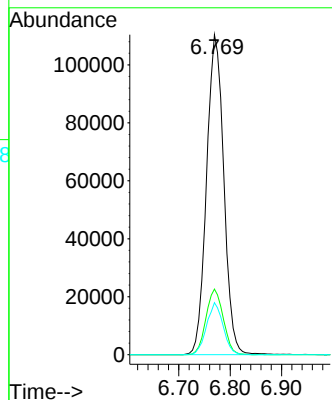
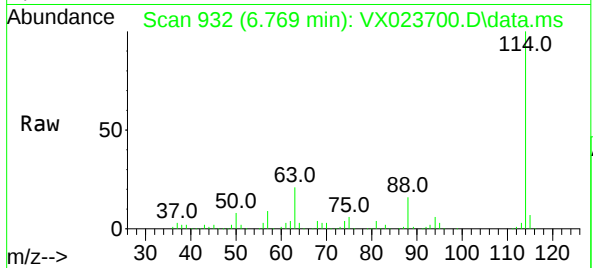




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

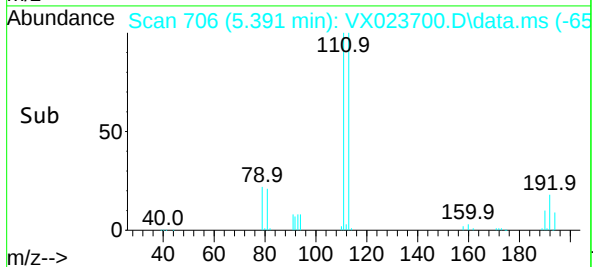
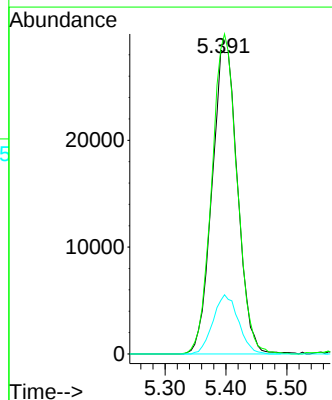
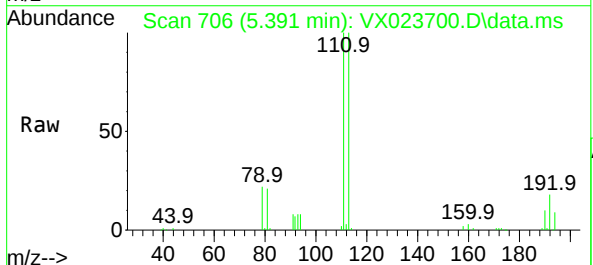
Instrument :
MSVOA_X
ClientSampled :

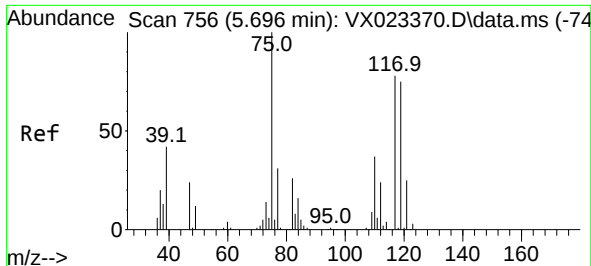
Tgt Ion:114 Resp: 257720
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 16.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.969 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

Tgt Ion:113 Resp: 83742
Ion Ratio Lower Upper
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111 103.2 81.9 122.9
192 19.1 16.7 25.1

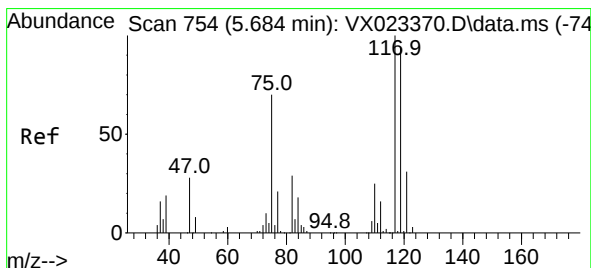
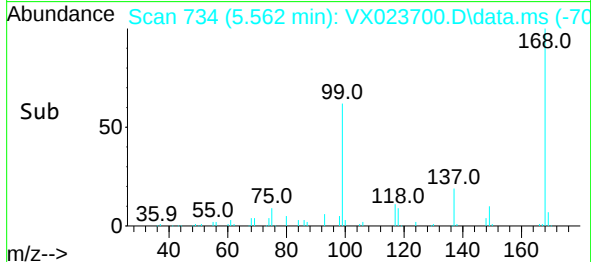
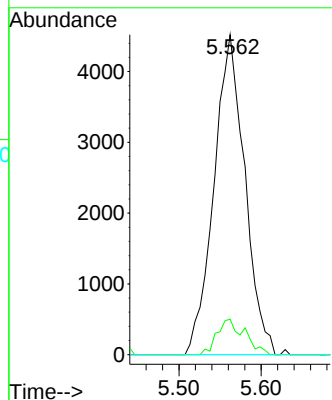
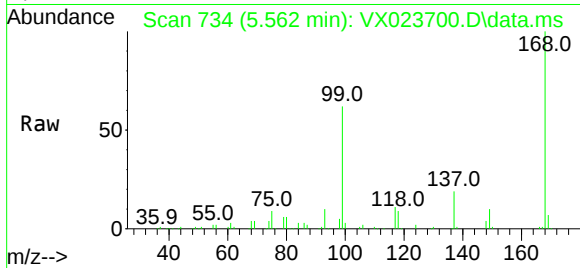




#36
1,1-Dichloropropene
Concen: 5.055 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

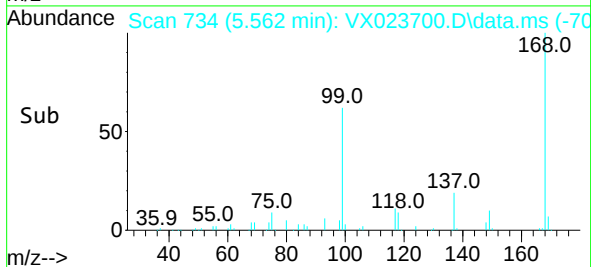
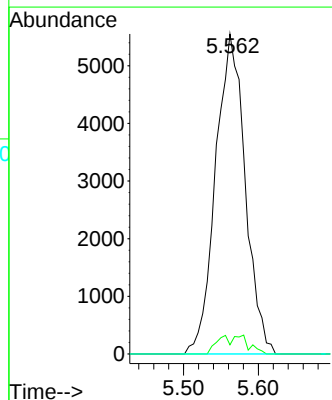
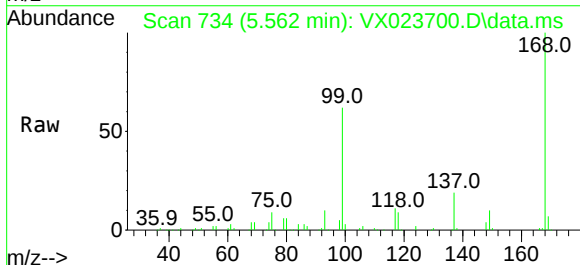
Instrument :
MSVOA_X
ClientSampled :

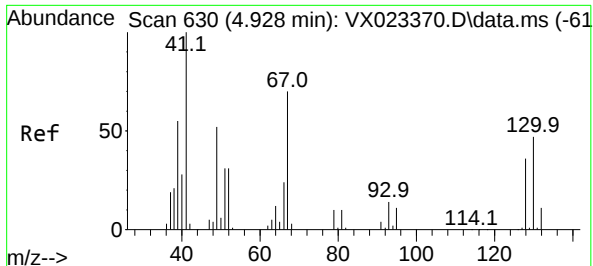
Tgt Ion: 75 Resp: 11786
Ion Ratio Lower Upper
75 100
110 9.9 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.451 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

Tgt Ion: 117 Resp: 15295
Ion Ratio Lower Upper
117 100
119 2.9 76.2 114.2#
121 0.0 24.8 37.2#



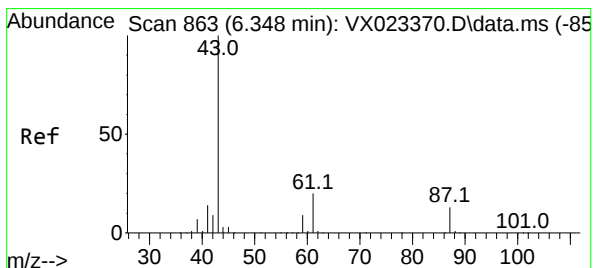
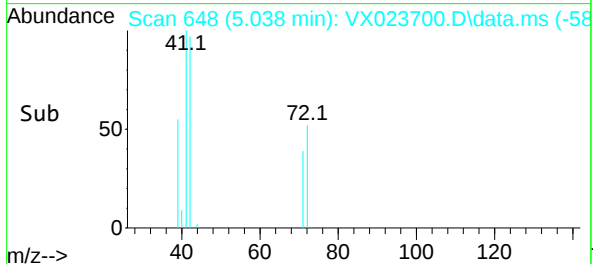
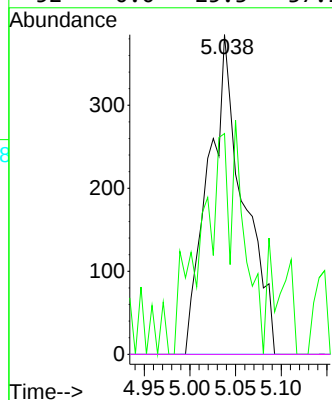
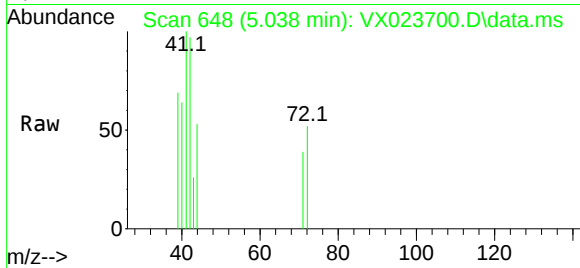


#41
Methacrylonitrile
Concen: 0.664 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 41 Resp: 1030

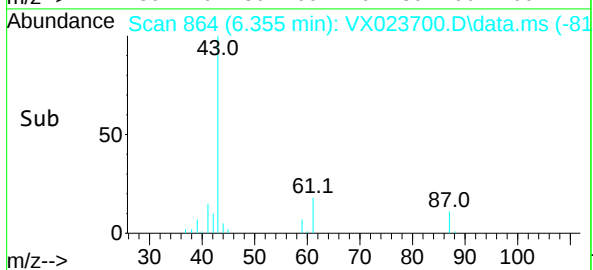
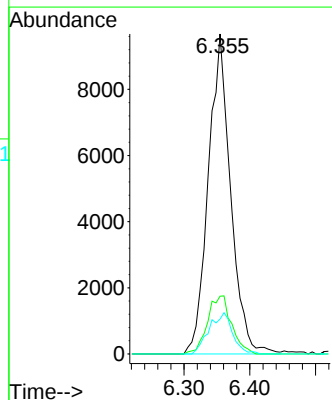
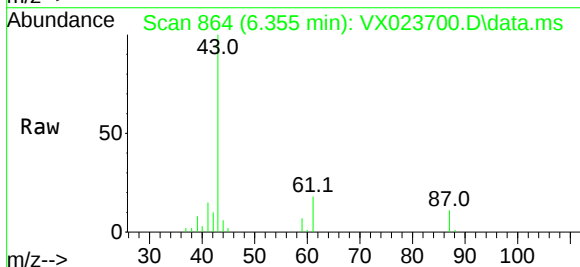
Ion	Ratio	Lower	Upper
41	100		
39	54.5	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#

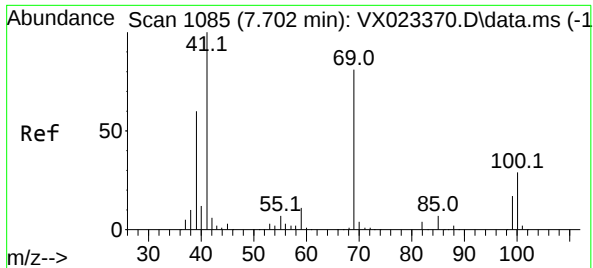


#43
Isopropyl Acetate
Concen: 5.020 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

Tgt Ion: 43 Resp: 22864

Ion	Ratio	Lower	Upper
43	100		
61	19.6	18.2	27.4
87	13.5	12.5	18.7

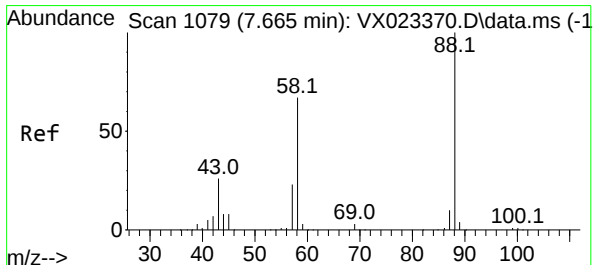
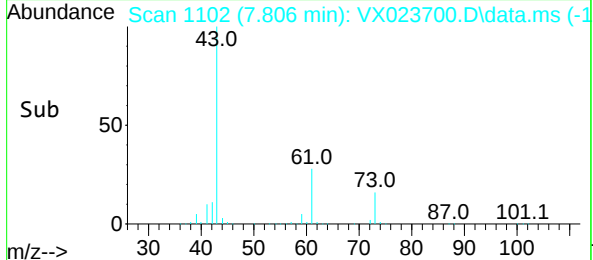
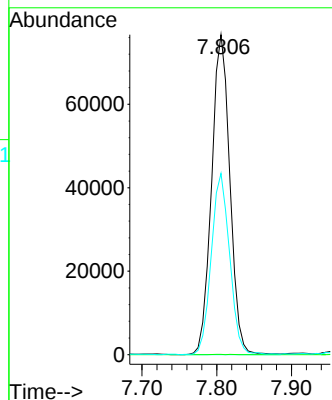
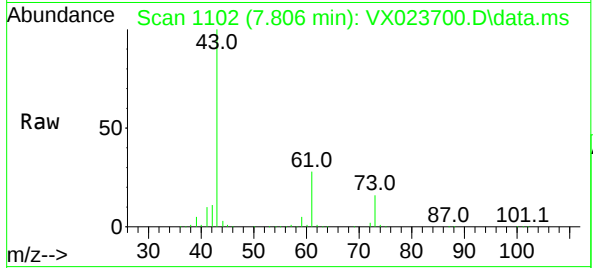




#48
Methyl methacrylate
Concen: 61.832 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.104 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

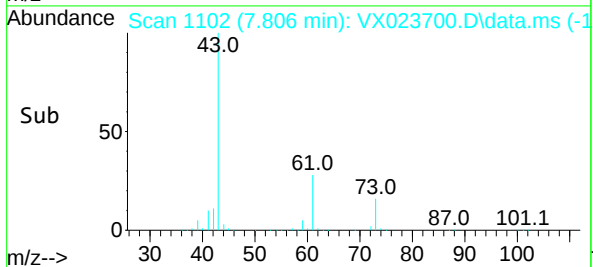
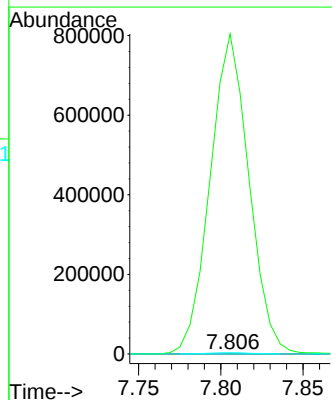
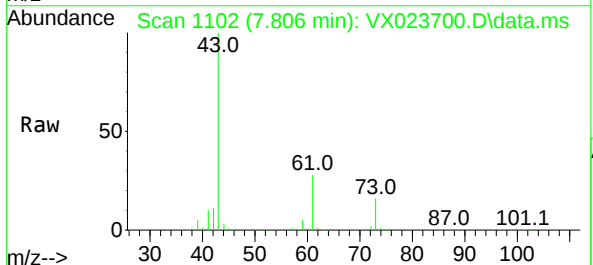
Instrument :
MSVOA_X
ClientSampleId :

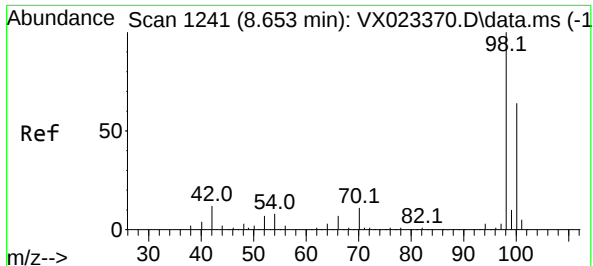
Tgt Ion: 41 Resp: 130436
Ion Ratio Lower Upper
41 100
69 0.1 76.0 114.0#
39 57.0 44.6 67.0



#49
1,4-Dioxane
Concen: 5.098 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.141 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

Tgt Ion: 88 Resp: 229
Ion Ratio Lower Upper
88 100
43 578133.2 23.2 34.8#
58 2565.1 55.0 82.4#





#50

Toluene-d8

Concen: 53.877 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX023700.D

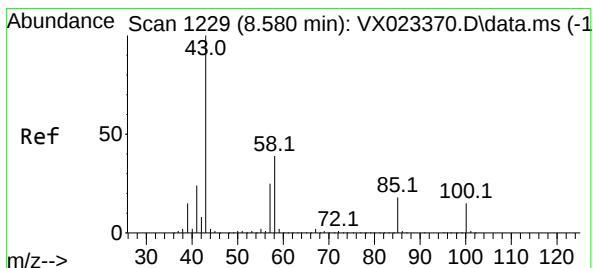
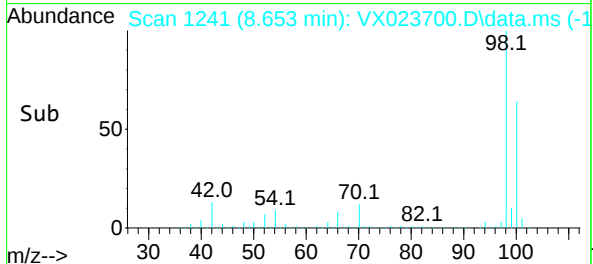
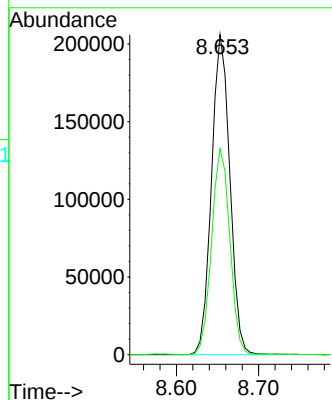
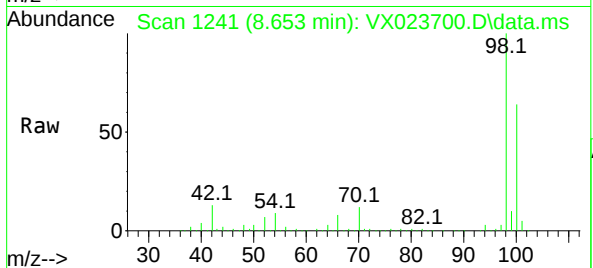
Acq: 13 Aug 2021 18:58

Tgt Ion: 98 Resp: 318966

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 31.032 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. -0.025 min

Lab File: VX023700.D

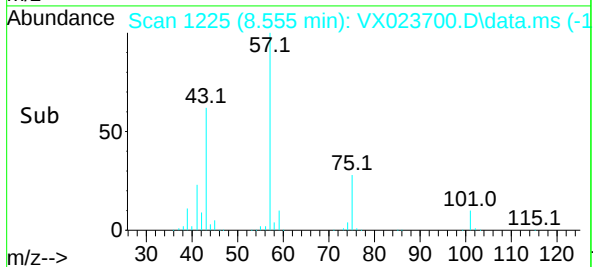
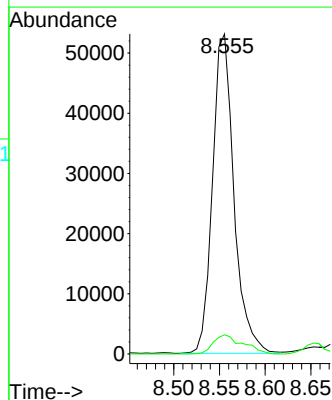
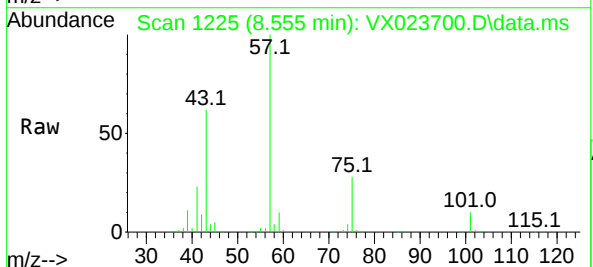
Acq: 13 Aug 2021 18:58

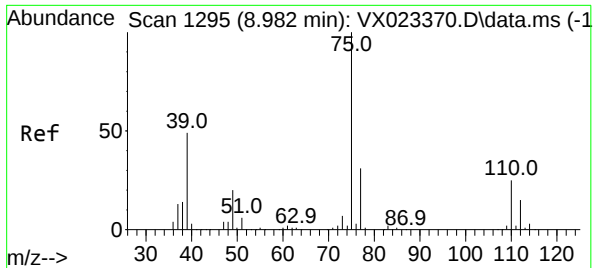
Tgt Ion: 43 Resp: 86456

Ion Ratio Lower Upper

43 100

58 8.3 35.4 53.0#

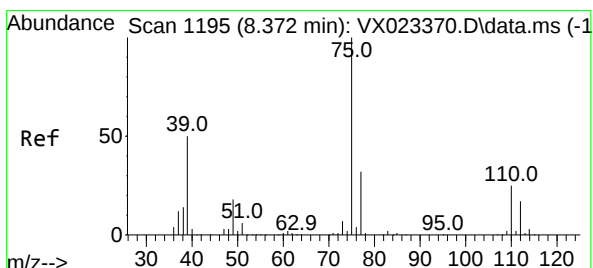
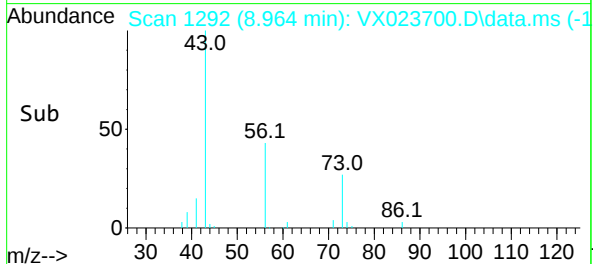
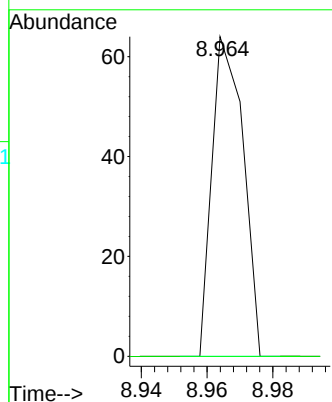
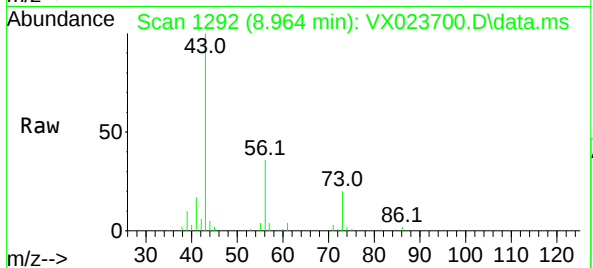




#53
t-1,3-Dichloropropene
Concen: 1.831 ug/l
RT: 8.964 min Scan# 1292
Delta R.T. -0.018 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

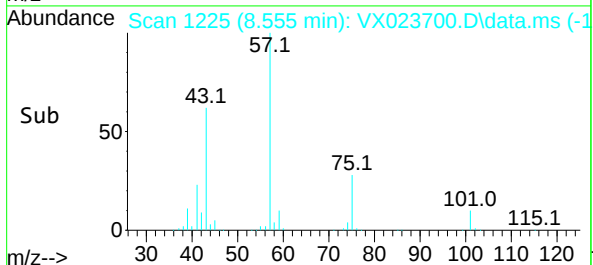
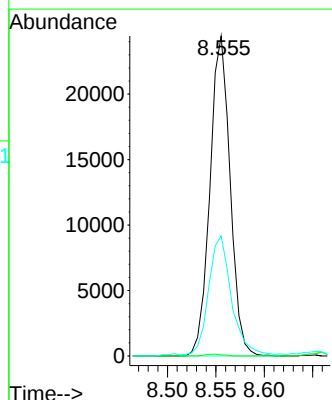
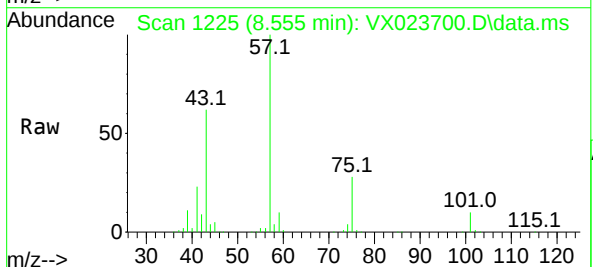
Instrument :
MSVOA_X
ClientSampled :

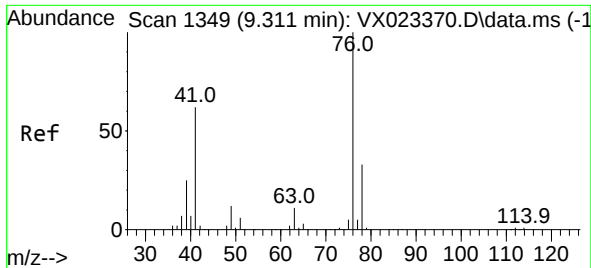
Tgt Ion: 75 Resp: 42
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 12.715 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

Tgt Ion: 75 Resp: 35431
Ion Ratio Lower Upper
75 100
77 0.3 25.7 38.5#
39 37.2 35.1 52.7



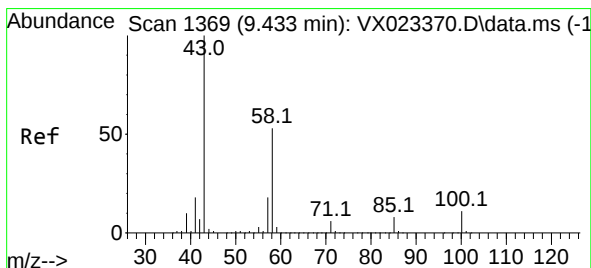
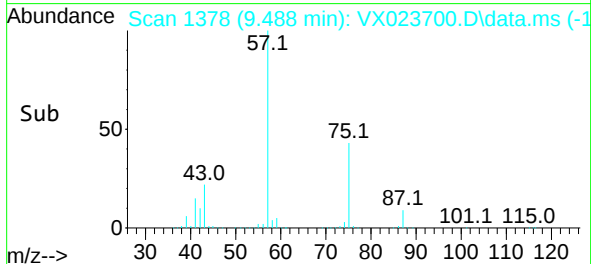
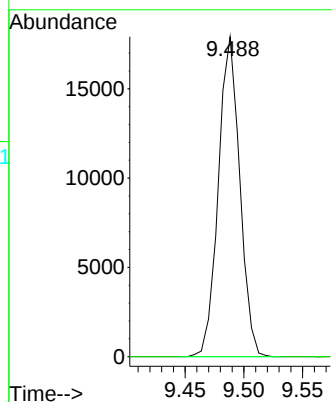
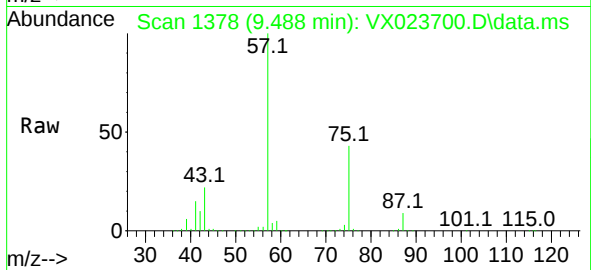


#57

1,3-Dichloropropane
Concen: 7.715 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

Instrument :
MSVOA_X
ClientSampled :

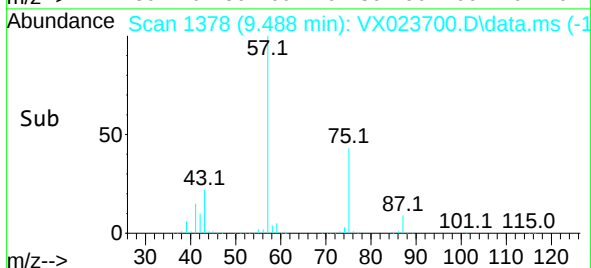
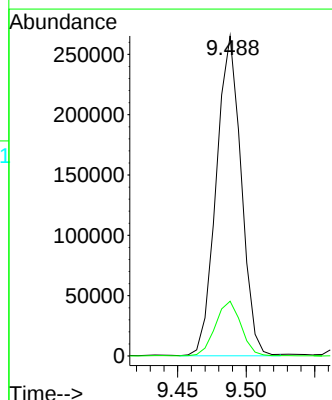
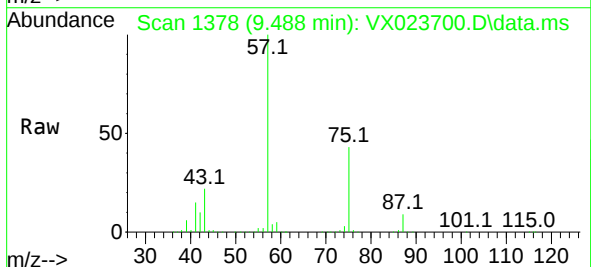
Tgt Ion: 76 Resp: 22734
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

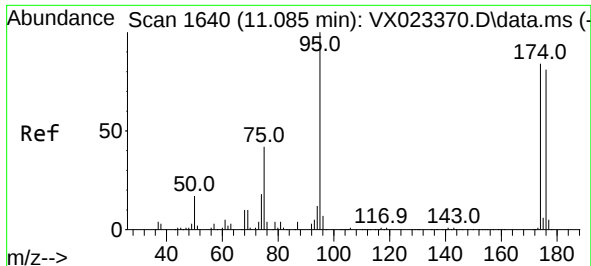


#59

2-Hexanone
Concen: 158.223 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

Tgt Ion: 43 Resp: 334739
Ion Ratio Lower Upper
43 100
58 17.6 30.9 92.8#

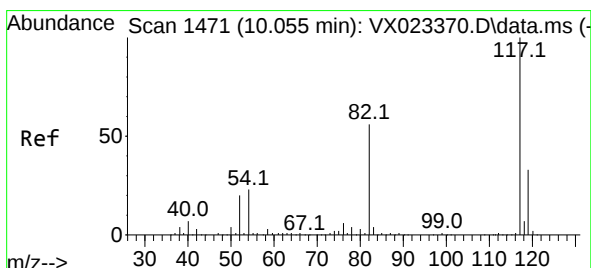
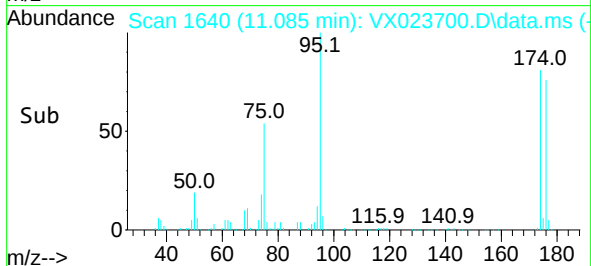
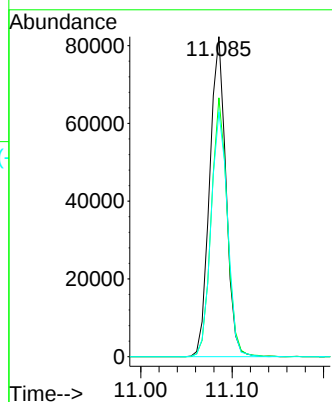
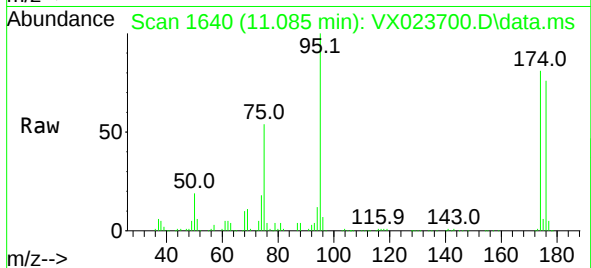




#62
4-Bromofluorobenzene
Concen: 50.344 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

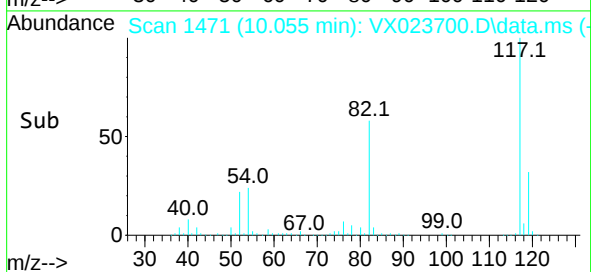
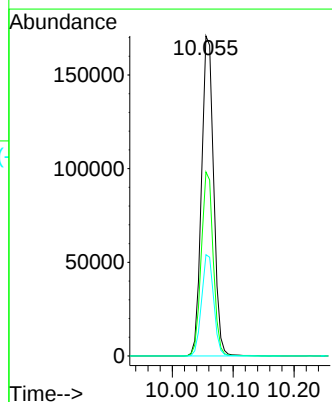
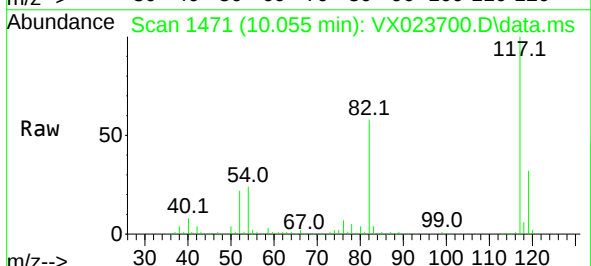
Instrument :
MSVOA_X
ClientSampled :

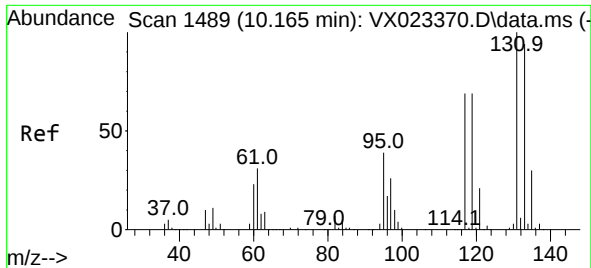
Tgt Ion: 95 Resp: 101349
Ion Ratio Lower Upper
95 100
174 79.4 0.0 154.6
176 77.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

Tgt Ion: 117 Resp: 236682
Ion Ratio Lower Upper
117 100
82 57.5 47.4 71.2
119 31.6 26.6 39.8

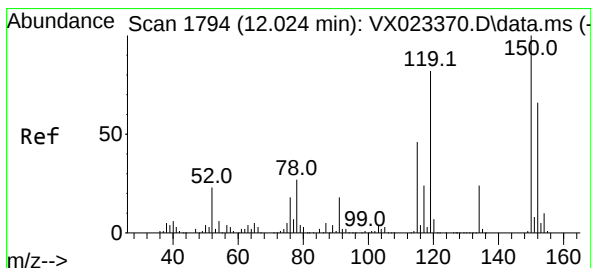
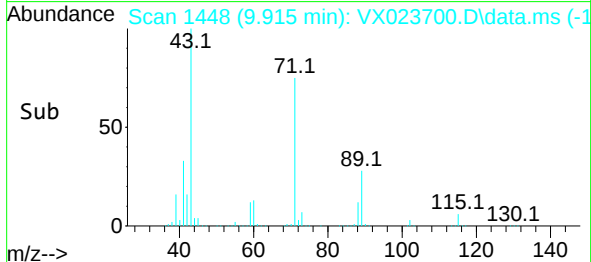
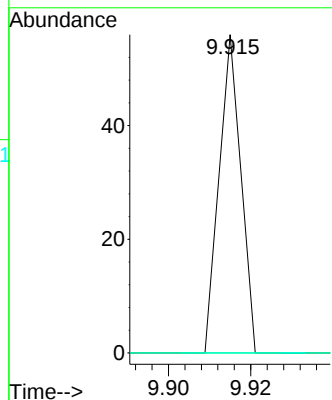
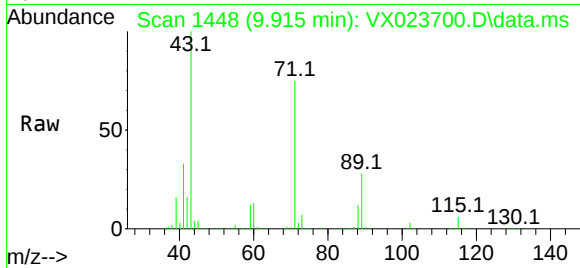




#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.985 ug/l
 RT: 9.915 min Scan# 1448
 Delta R.T. -0.250 min
 Lab File: VX023700.D
 Acq: 13 Aug 2021 18:58

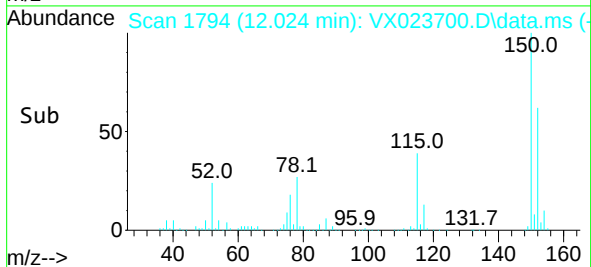
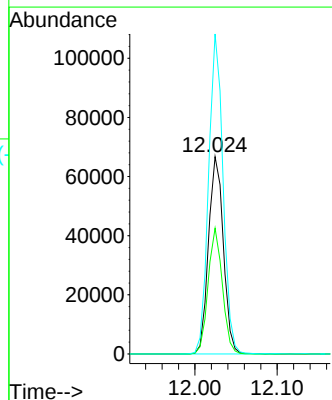
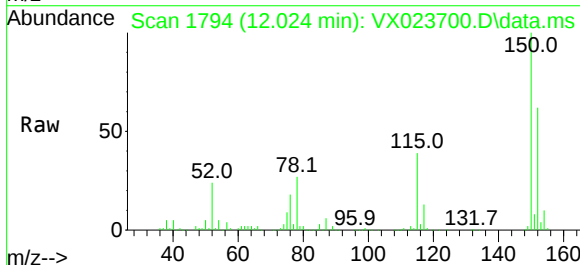
Instrument :
 MSVOA_X
 ClientSampled :

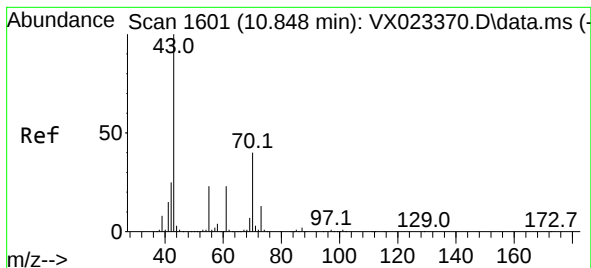
Tgt Ion:	131	Resp:	20
Ion Ratio	Lower	Upper	
131	100		
133	0.0	47.7	143.1#
119	0.0	32.1	96.5#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023700.D
 Acq: 13 Aug 2021 18:58

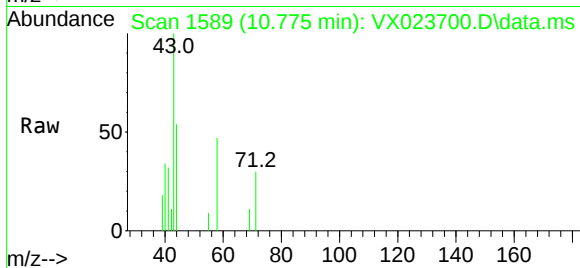
Tgt Ion:	152	Resp:	83892
Ion Ratio	Lower	Upper	
152	100		
115	60.9	41.1	123.3
150	157.1	0.0	349.0



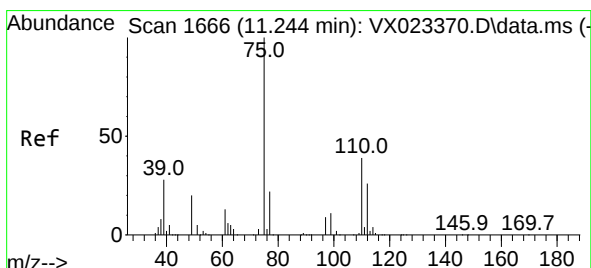
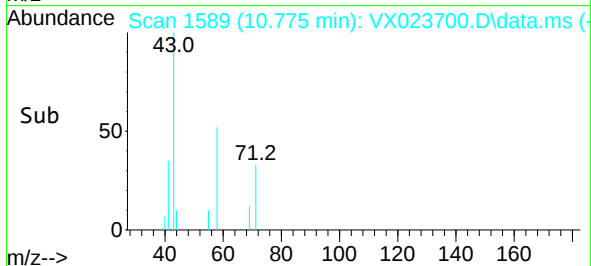
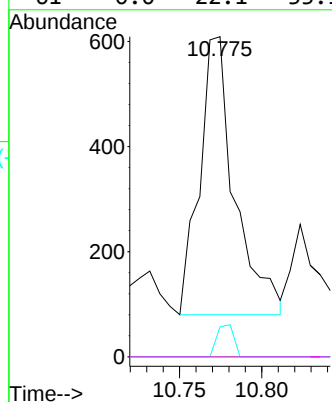


#74
N-amy1 acetate
Concen: 0.272 ug/l
RT: 10.775 min Scan# 1589
Delta R.T. -0.073 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

Instrument :
MSVOA_X
ClientSampleId :

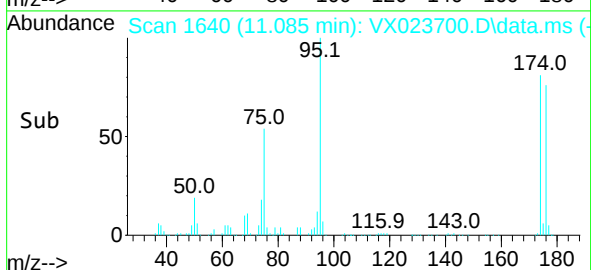
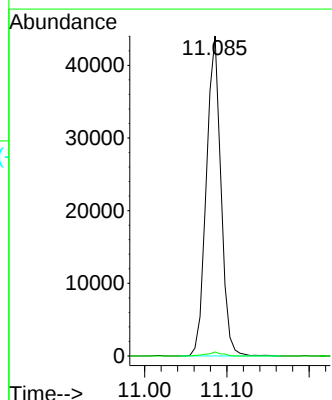
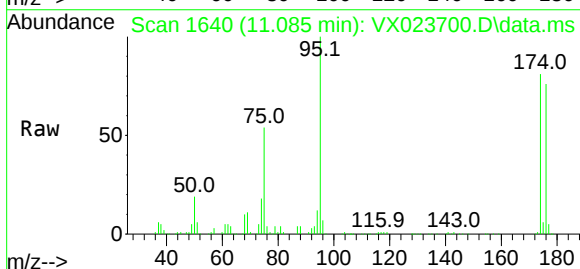


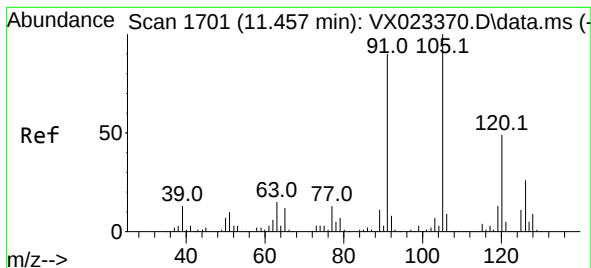
Tgt Ion: 43	Resp: 785
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.6#
55	5.5 21.5 32.3#
61	0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 29.335 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

Tgt Ion: 75	Resp: 54155
Ion Ratio	Lower Upper
75	100
77	1.3 19.1 57.5#

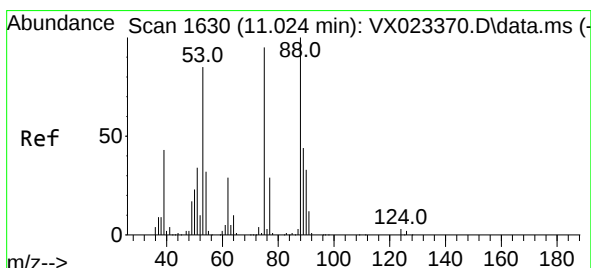
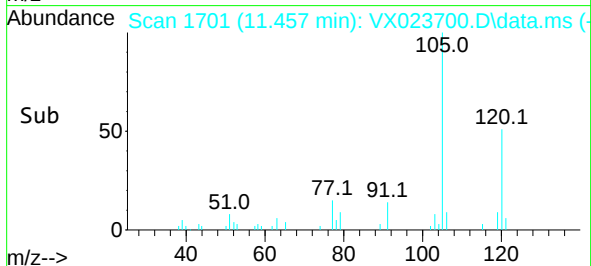
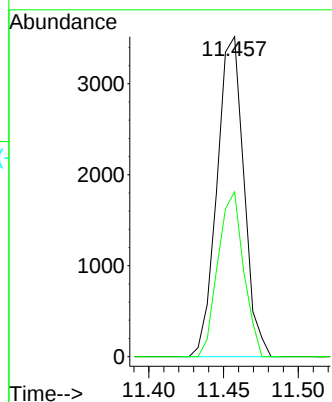
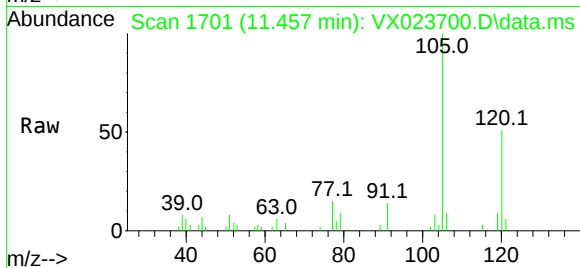




#80
1,3,5-Trimethylbenzene
Concen: 0.854 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:105 Resp: 4404
Ion Ratio Lower Upper
105 100
120 48.9 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 78.878 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023700.D
Acq: 13 Aug 2021 18:58

Tgt Ion: 75 Resp: 54155
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

