

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023688.D
 Acq On : 13 Aug 2021 14:15
 Operator : JC/MD
 Sample : PB138358ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 05:25:17 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)

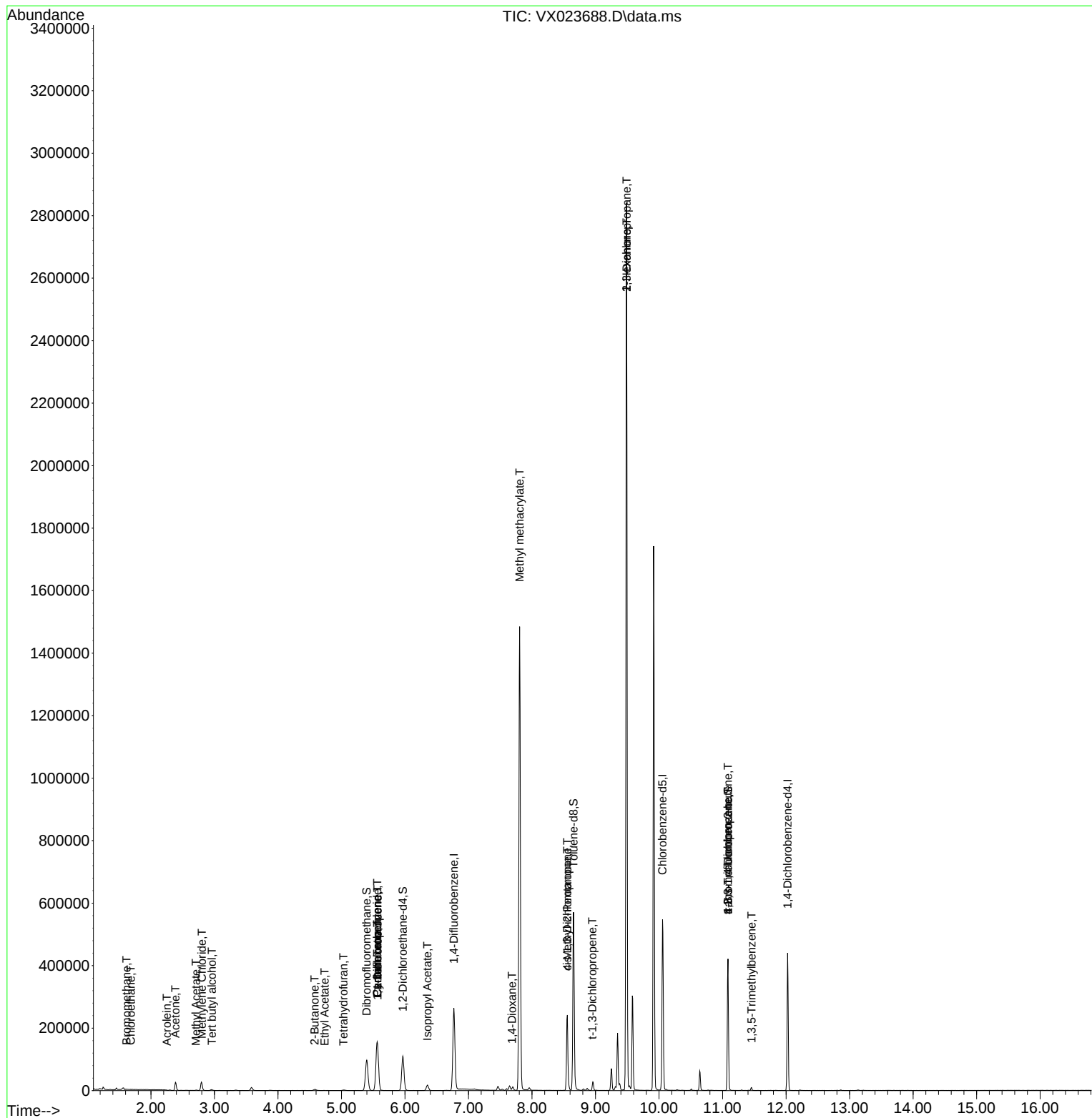
Internal Standards						
1) Pentafluorobenzene	5.562	168	149872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	254876	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	104875	56.097	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 112.200%	
35) Dibromofluoromethane	5.397	113	82084	51.509	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.020%	
50) Toluene-d8	8.653	98	318508	54.400	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 108.800%	
62) 4-Bromofluorobenzene	11.085	95	104756	52.617	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.240%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	526	0.545	ug/l #	42
6) Chloroethane	1.685	64	322	0.323	ug/l #	44
11) Tert butyl alcohol	2.959	59	1988	4.655	ug/l #	81
13) Acrolein	2.252	56	89	1.771	ug/l #	83
16) Acetone	2.386	43	27673	30.175	ug/l	93
18) Methyl Acetate	2.709	43	1662	0.762	ug/l #	86
20) Methylene Chloride	2.800	84	11931	6.688	ug/l	97
25) 2-Butanone	4.574	43	4591	3.225	ug/l #	78
29) Tetrahydrofuran	5.032	42	1679	1.799	ug/l #	59
31) Cyclohexane	5.562	56	3439	1.242	ug/l #	32
36) 1,1-Dichloropropene	5.568	75	12346	5.355	ug/l #	49
37) Ethyl Acetate	4.733	43	615	0.212	ug/l #	64
38) Carbon Tetrachloride	5.562	117	14589	6.222	ug/l #	15
43) Isopropyl Acetate	6.354	43	23057	5.119	ug/l #	93
48) Methyl methacrylate	7.805	41	134946	64.684	ug/l #	38
49) 1,4-Dioxane	7.684	88	30	0.675	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	85516	31.038	ug/l #	45
53) t-1,3-Dichloropropene	8.952	75	37	1.829	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	35999	13.063	ug/l #	72
57) 1,3-Dichloropropane	9.488	76	22503	7.722	ug/l #	42
59) 2-Hexanone	9.488	43	338645	161.856	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	56011	28.513	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	4565	0.832	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.085	75	56011	76.669	ug/l #	12

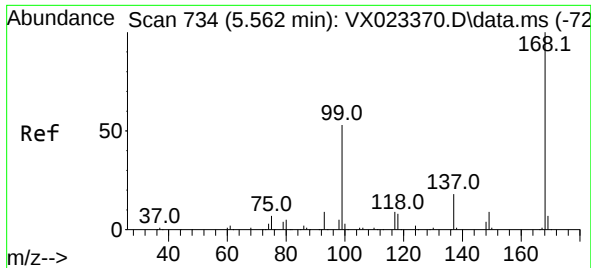
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: Aug 14 05:25:17 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

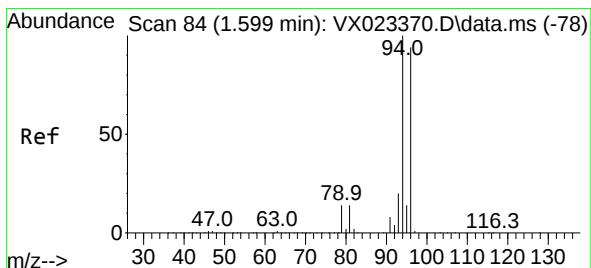
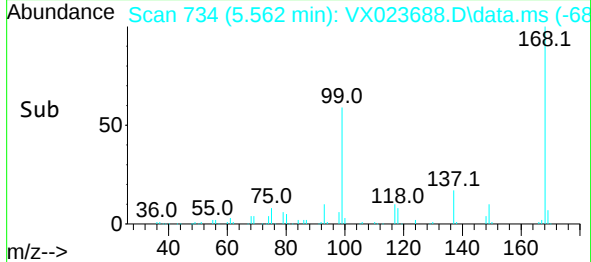
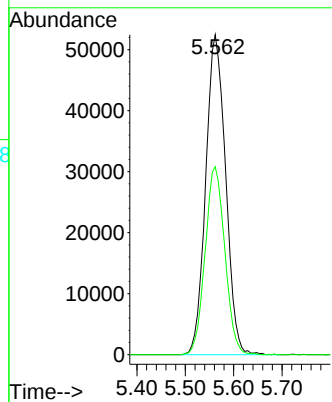
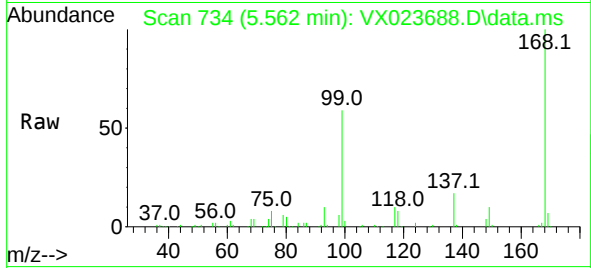




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

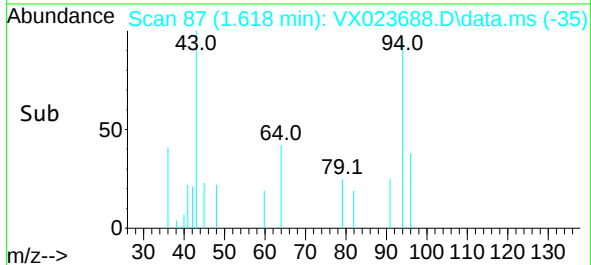
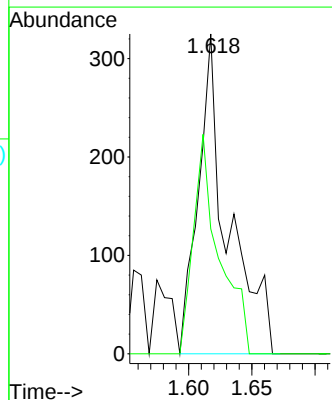
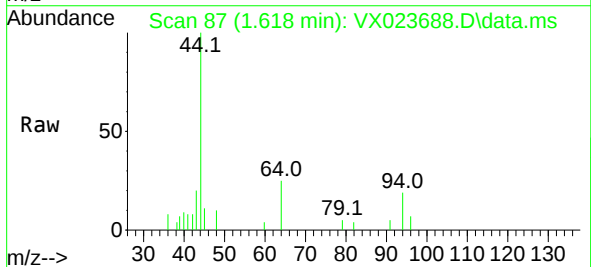
Instrument :
MSVOA_X
ClientSampleId :

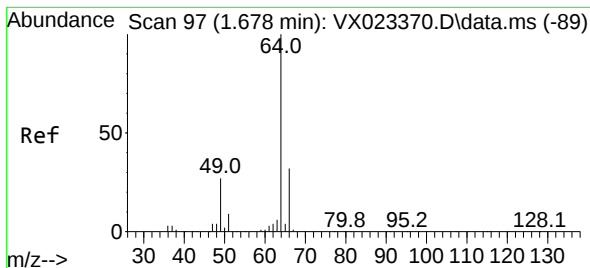
Tgt Ion:168 Resp: 149872
Ion Ratio Lower Upper
168 100
99 58.7 45.8 68.6



#5
Bromomethane
Concen: 0.545 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

Tgt Ion: 94 Resp: 526
Ion Ratio Lower Upper
94 100
96 39.1 76.4 114.6#





#6

Chloroethane

Concen: 0.323 ug/l

RT: 1.685 min Scan# 98

Delta R.T. 0.007 min

Lab File: VX023688.D

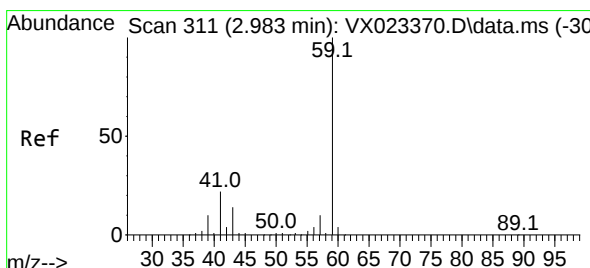
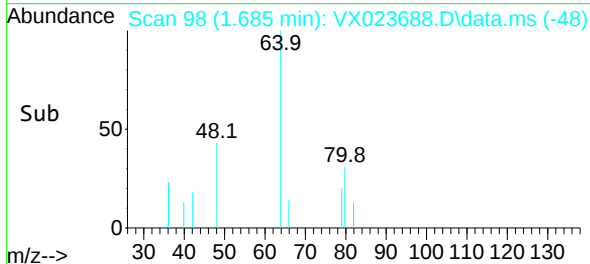
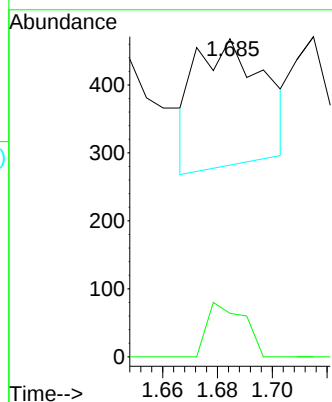
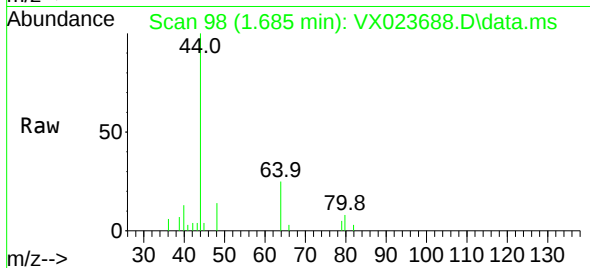
Acq: 13 Aug 2021 14:15

Tgt Ion: 64 Resp: 322

Ion Ratio Lower Upper

64 100

66 62.7 25.4 38.0#



#11

Tert butyl alcohol

Concen: 4.655 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.024 min

Lab File: VX023688.D

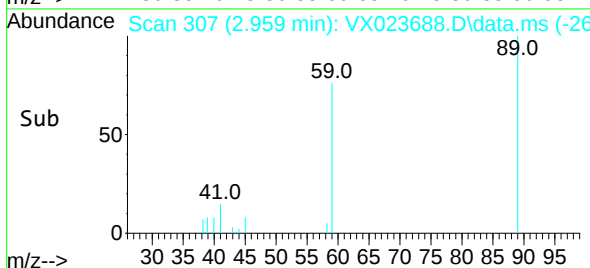
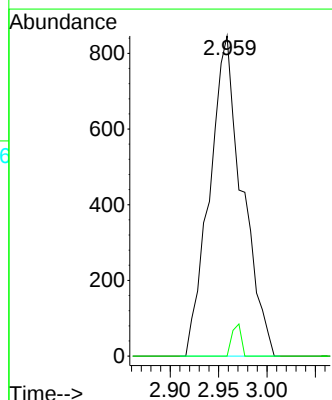
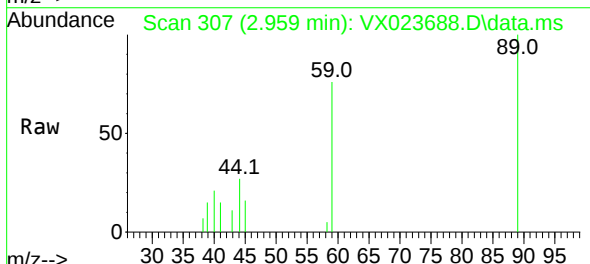
Acq: 13 Aug 2021 14:15

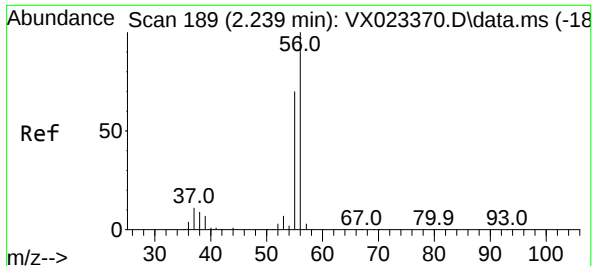
Tgt Ion: 59 Resp: 1988

Ion Ratio Lower Upper

59 100

57 2.8 7.8 11.8#

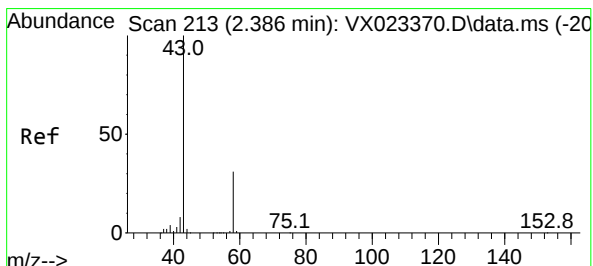
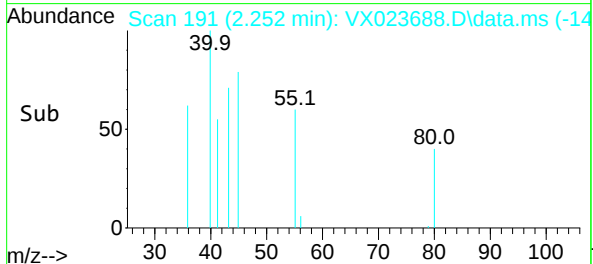
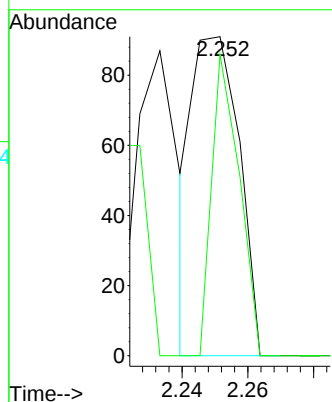
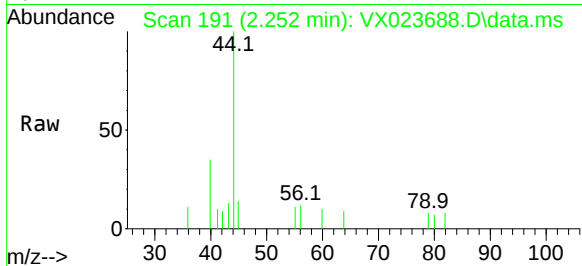




#13
Acrolein
Concen: 1.771 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.013 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

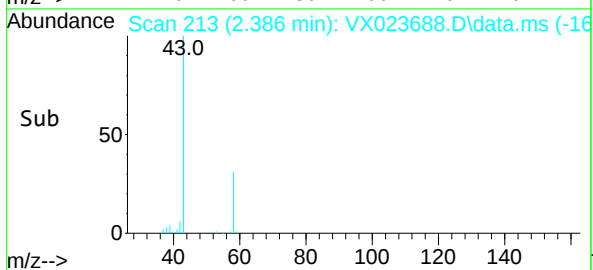
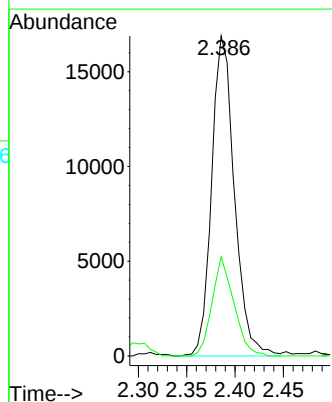
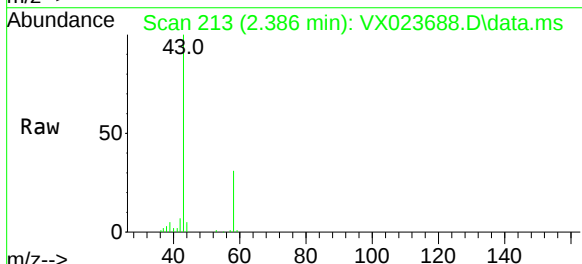
Instrument :
MSVOA_X
ClientSampled :

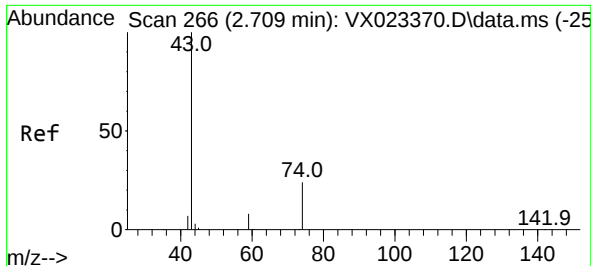
Tgt Ion: 56 Resp: 89
Ion Ratio Lower Upper
56 100
55 56.2 56.4 84.6#



#16
Acetone
Concen: 30.175 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

Tgt Ion: 43 Resp: 27673
Ion Ratio Lower Upper
43 100
58 31.0 27.8 41.8

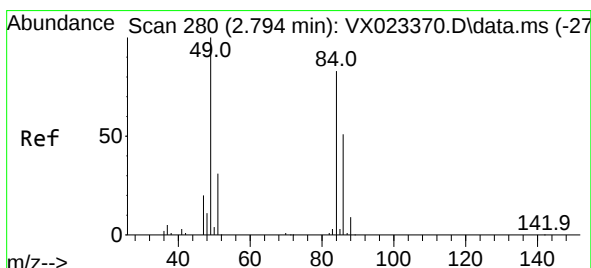
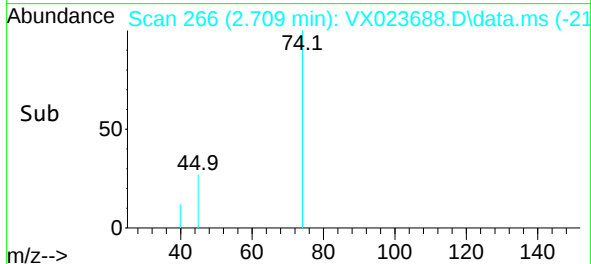
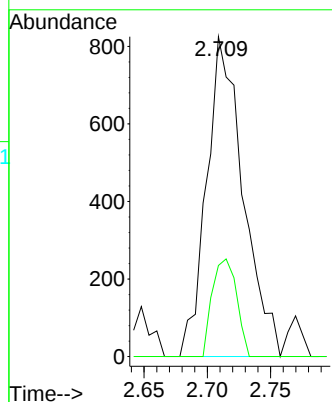
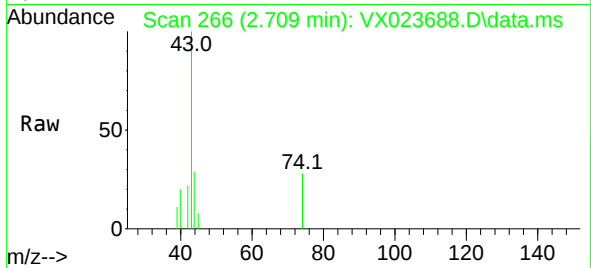




#18
Methyl Acetate
Concen: 0.762 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

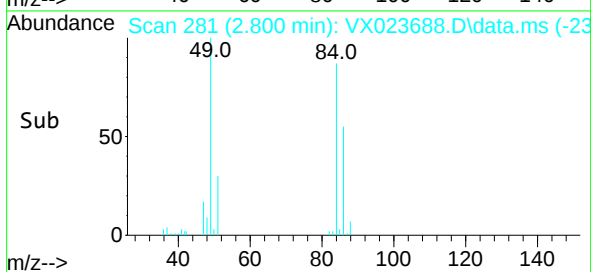
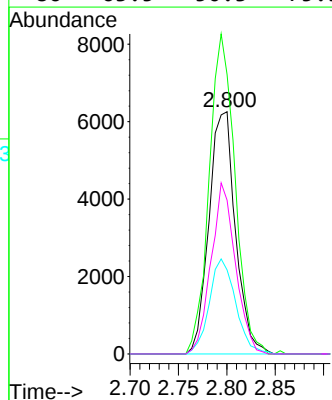
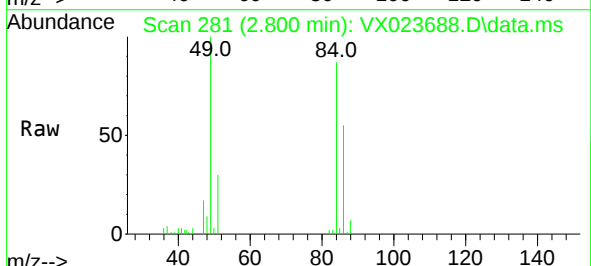
Instrument :
MSVOA_X
ClientSampled :

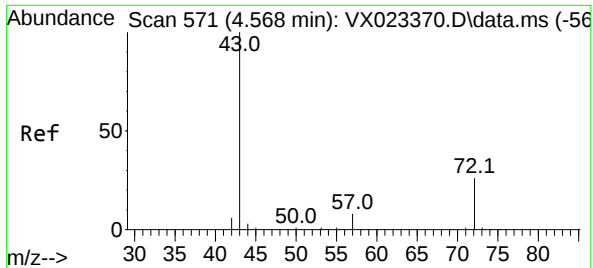
Tgt Ion: 43 Resp: 1662
Ion Ratio Lower Upper
43 100
74 20.3 21.9 32.9#



#20
Methylene Chloride
Concen: 6.688 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

Tgt Ion: 84 Resp: 11931
Ion Ratio Lower Upper
84 100
49 115.3 88.6 132.8
51 34.7 27.0 40.6
86 63.5 50.3 75.5

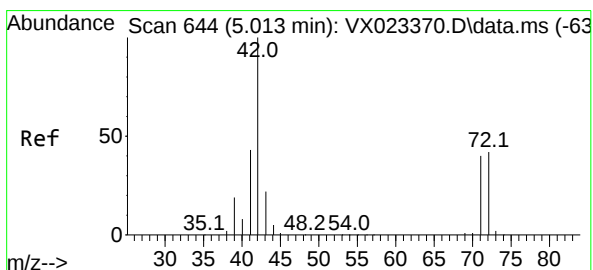
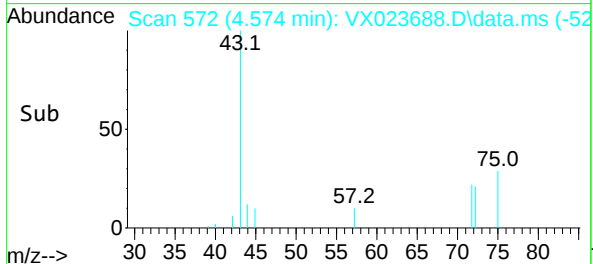
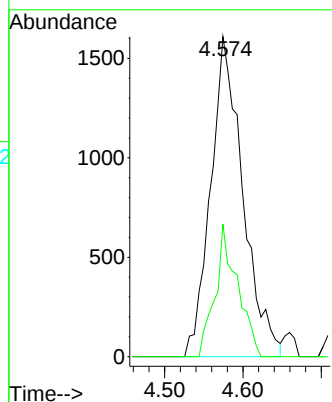
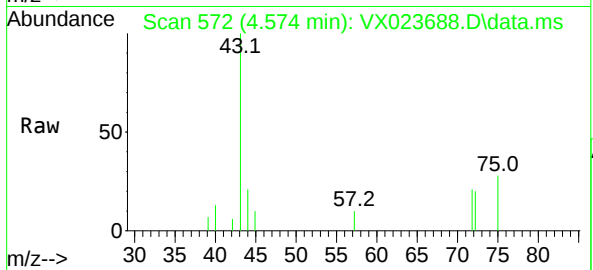




#25
2-Butanone
Concen: 3.225 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

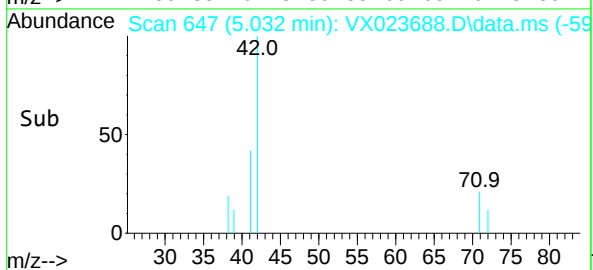
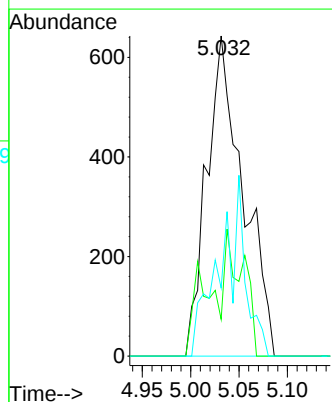
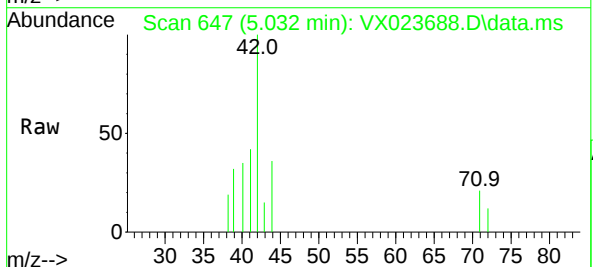
Instrument :
MSVOA_X
ClientSampled :

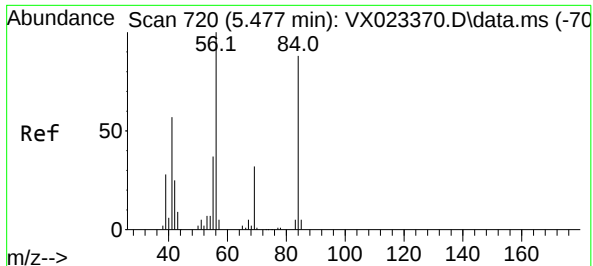
Tgt Ion: 43 Resp: 4591
Ion Ratio Lower Upper
43 100
72 41.5 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.799 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.019 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

Tgt Ion: 42 Resp: 1679
Ion Ratio Lower Upper
42 100
72 19.9 41.7 62.5#
71 23.4 38.4 57.6#

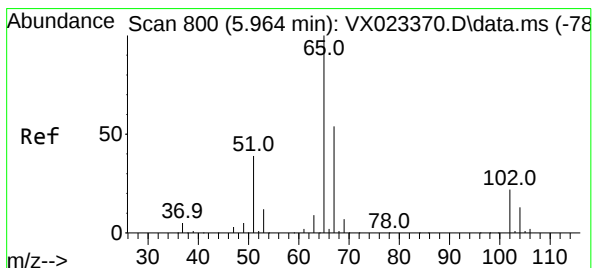
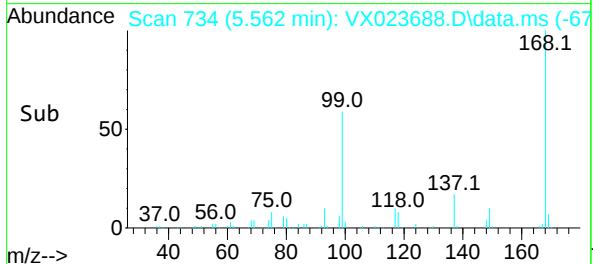
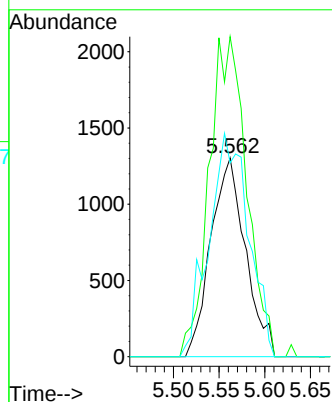
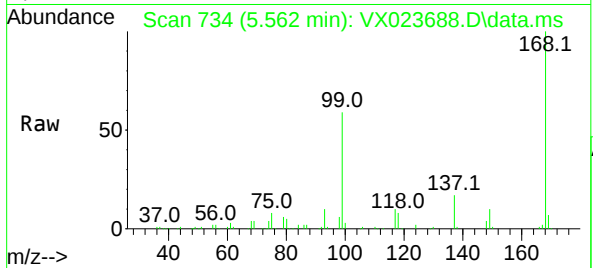




#31
Cyclohexane
Concen: 1.242 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

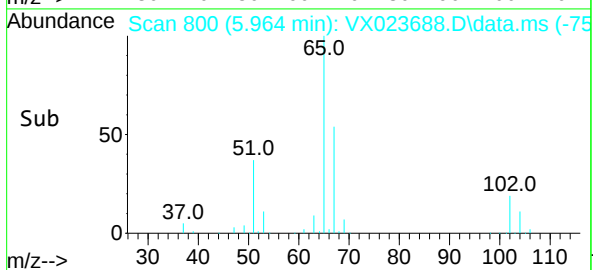
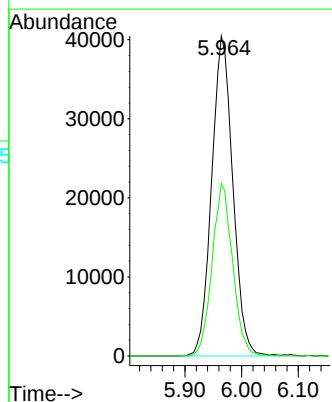
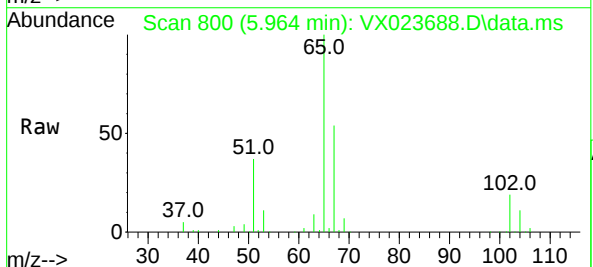
Instrument :
MSVOA_X
ClientSampled :

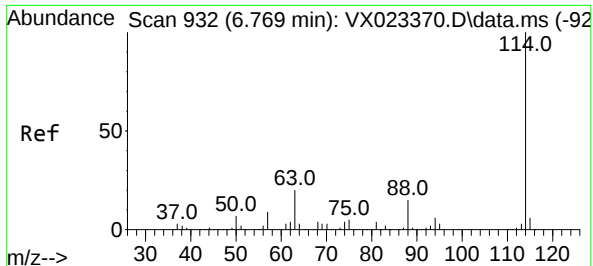
Tgt Ion: 56 Resp: 3439
Ion Ratio Lower Upper
56 100
69 161.1 25.3 37.9#
84 97.5 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 56.097 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

Tgt Ion: 65 Resp: 104875
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.4

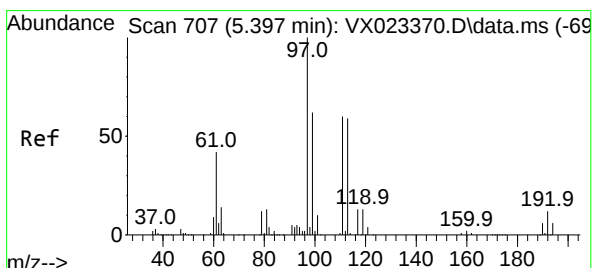
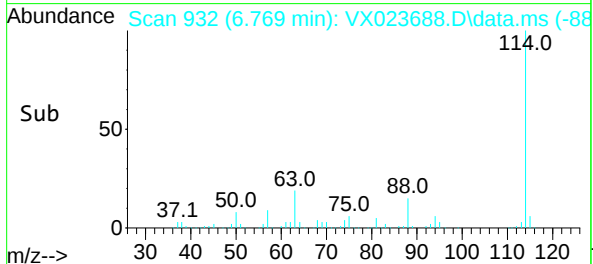
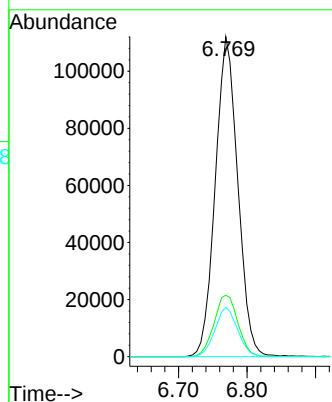
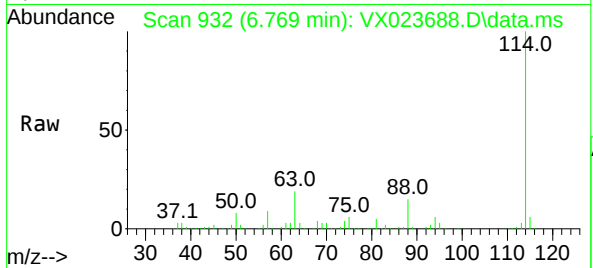




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

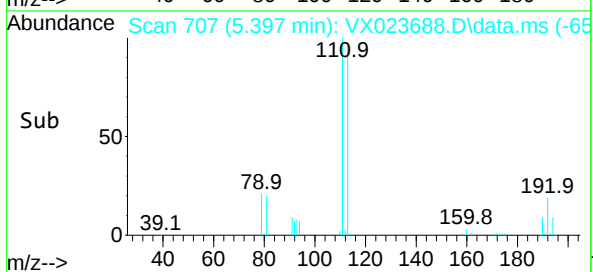
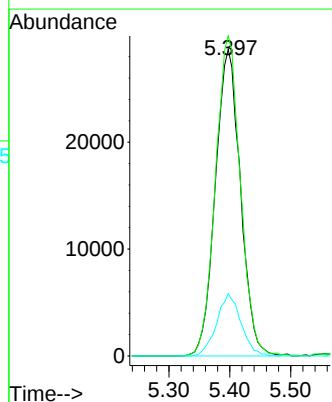
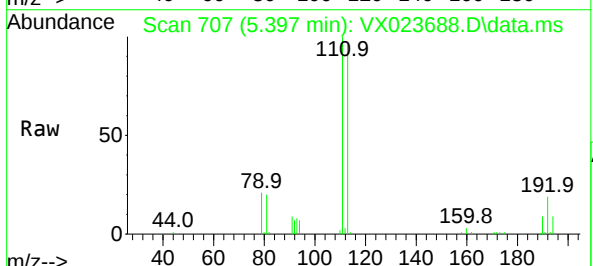
Instrument :
MSVOA_X
ClientSampled :

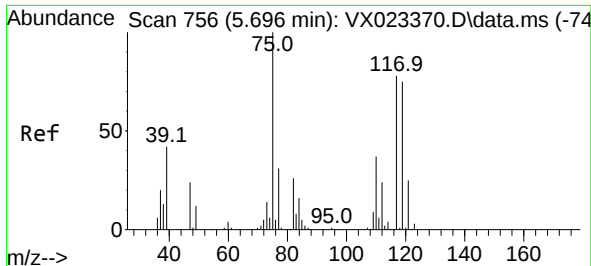
Tgt Ion:114 Resp: 254876
Ion Ratio Lower Upper
114 100
63 19.2 0.0 40.8
88 15.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.509 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

Tgt Ion:113 Resp: 82084
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 19.7 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.355 ug/l

RT: 5.568 min Scan# 735

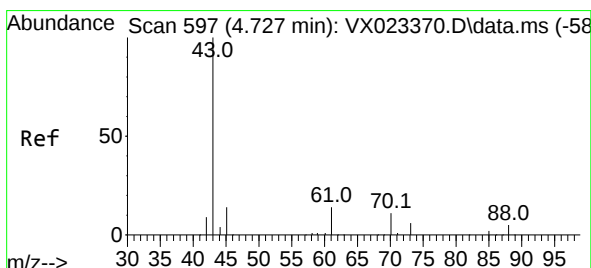
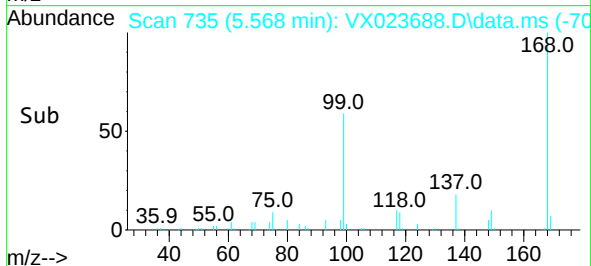
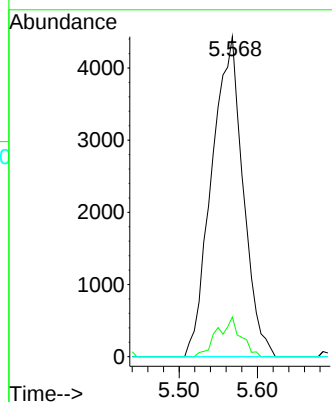
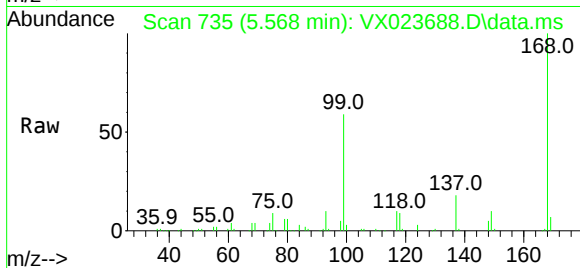
Delta R.T. -0.128 min

Lab File: VX023688.D

Acq: 13 Aug 2021 14:15

Tgt Ion:	75	Resp:	12346
Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :



#37

Ethyl Acetate

Concen: 0.212 ug/l

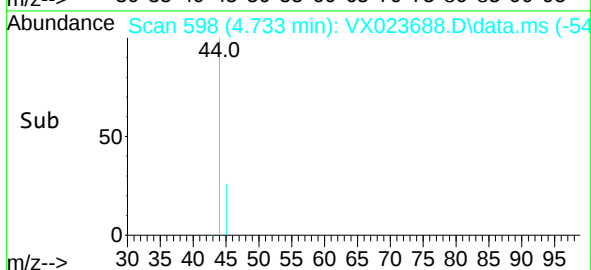
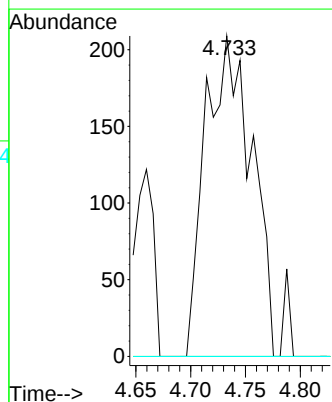
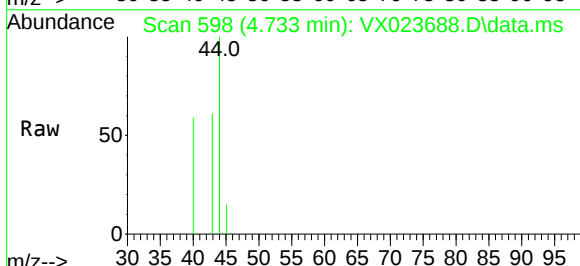
RT: 4.733 min Scan# 598

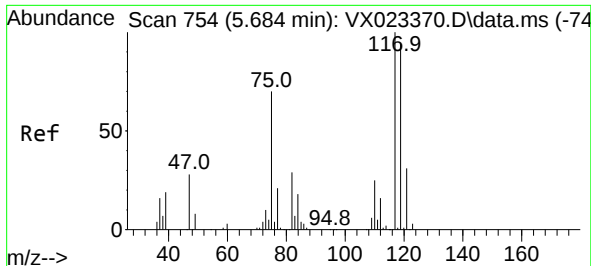
Delta R.T. 0.006 min

Lab File: VX023688.D

Acq: 13 Aug 2021 14:15

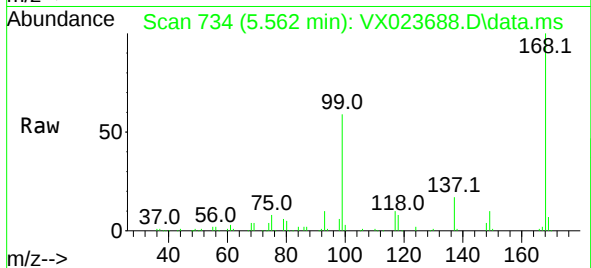
Tgt Ion:	43	Resp:	615
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



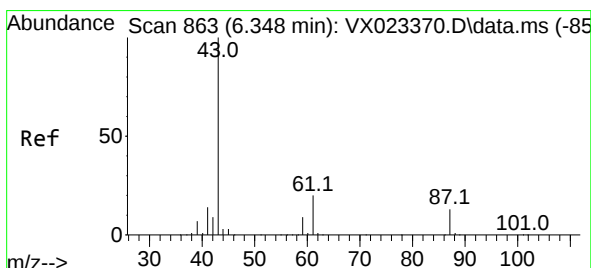
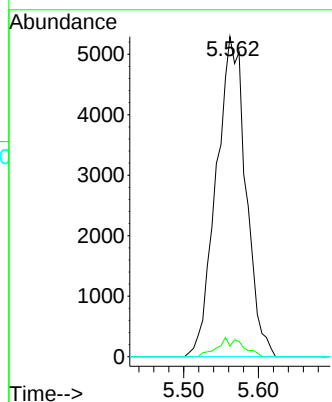
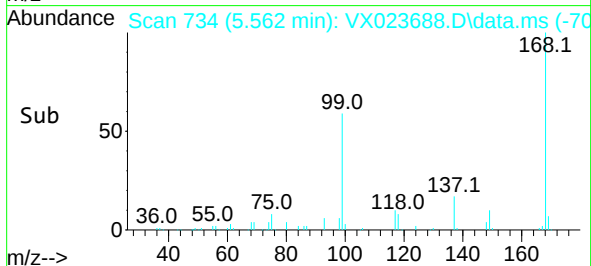


#38
Carbon Tetrachloride
Concen: 6.222 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

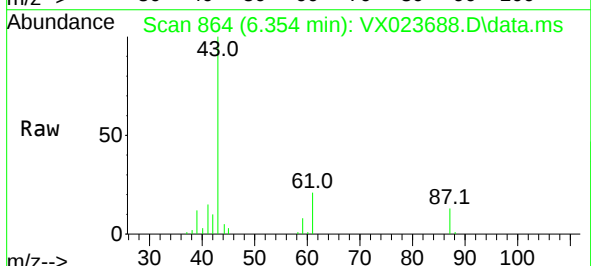
Instrument :
MSVOA_X
ClientSampled :



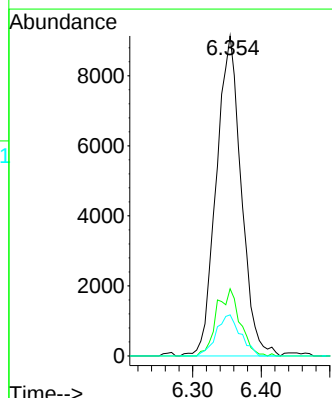
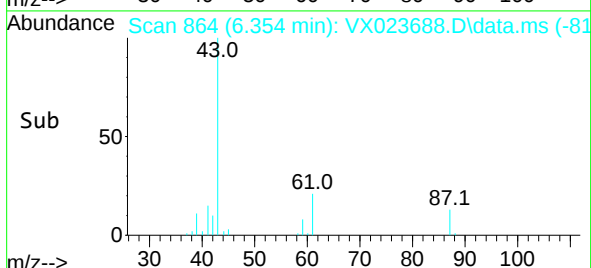
Tgt Ion:117 Resp: 14589
Ion Ratio Lower Upper
117 100
119 3.3 76.2 114.2#
121 0.0 24.8 37.2#

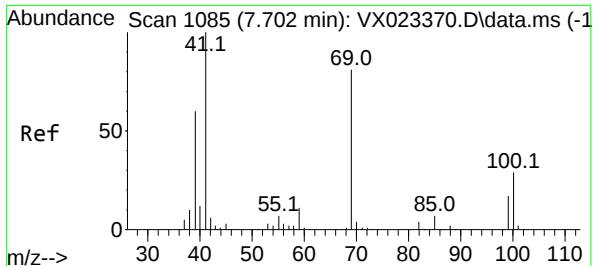


#43
Isopropyl Acetate
Concen: 5.119 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15



Tgt Ion: 43 Resp: 23057
Ion Ratio Lower Upper
43 100
61 19.7 18.2 27.4
87 12.5 12.5 18.7#





#48

Methyl methacrylate

Concen: 64.684 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.103 min

Lab File: VX023688.D

Acq: 13 Aug 2021 14:15

Tgt Ion: 41 Resp: 134946

Ion Ratio Lower Upper

41 100

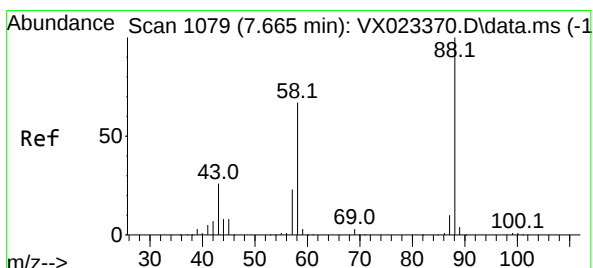
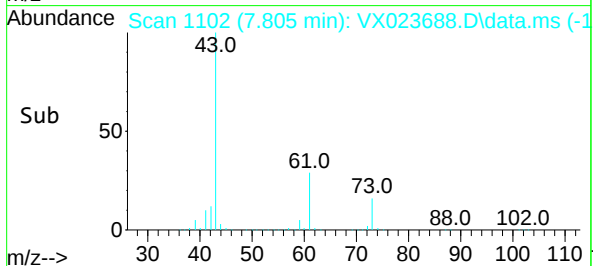
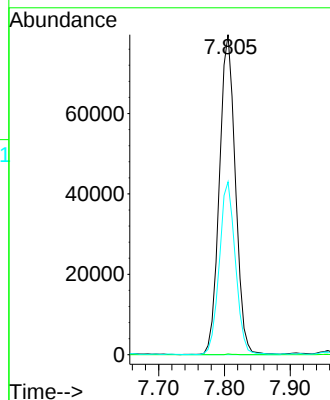
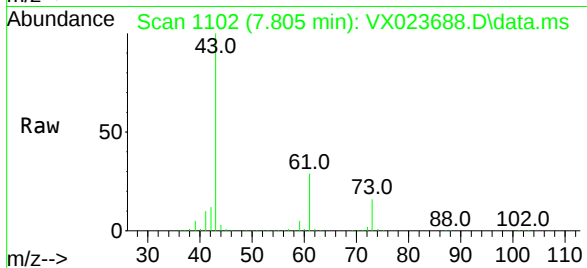
69 0.1 76.0 114.0#

39 54.1 44.6 67.0

Instrument :

MSVOA_X

ClientSampled :



#49

1,4-Dioxane

Concen: 0.675 ug/l

RT: 7.684 min Scan# 1082

Delta R.T. 0.019 min

Lab File: VX023688.D

Acq: 13 Aug 2021 14:15

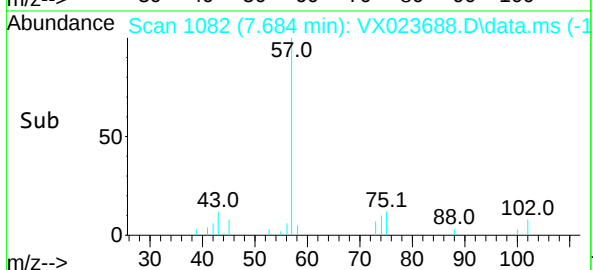
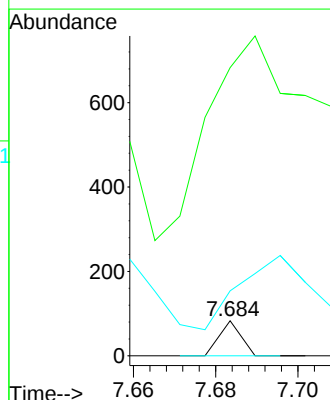
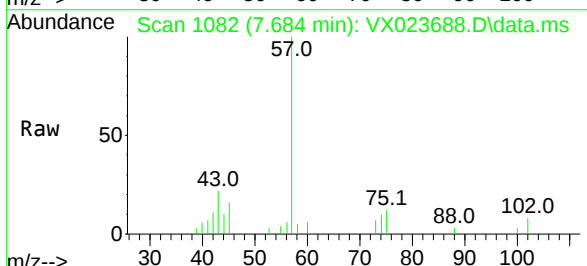
Tgt Ion: 88 Resp: 30

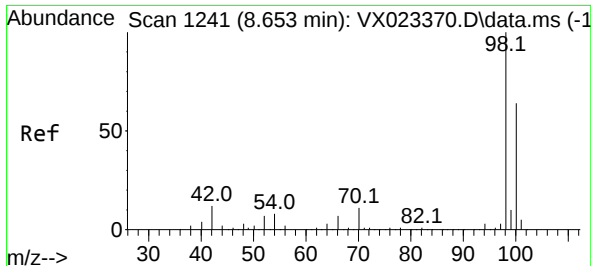
Ion Ratio Lower Upper

88 100

43 0.0 23.2 34.8#

58 1213.3 55.0 82.4#

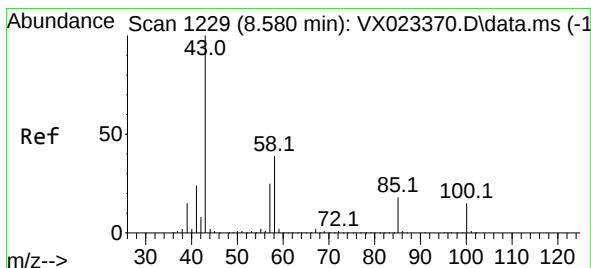
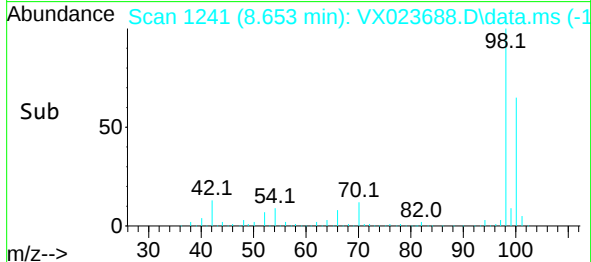
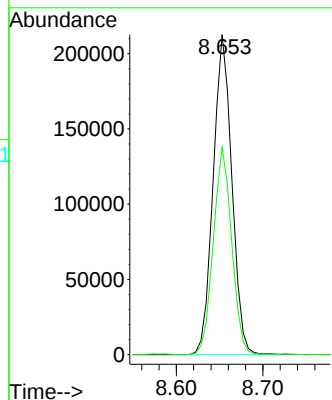
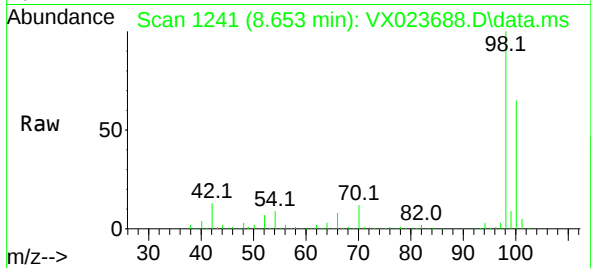




#50
Toluene-d8
Concen: 54.400 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

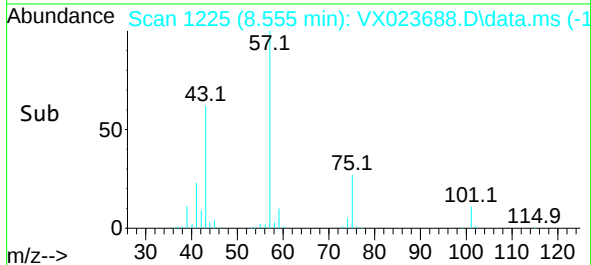
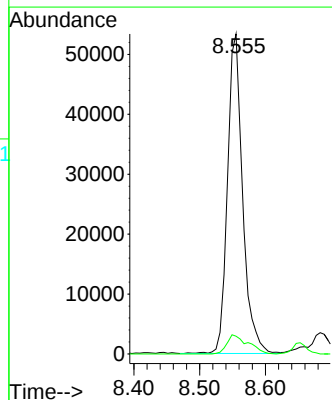
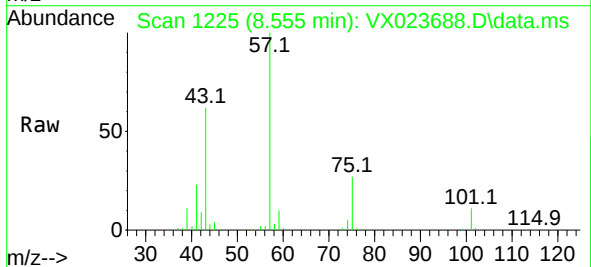
Instrument :
MSVOA_X
ClientSampled :

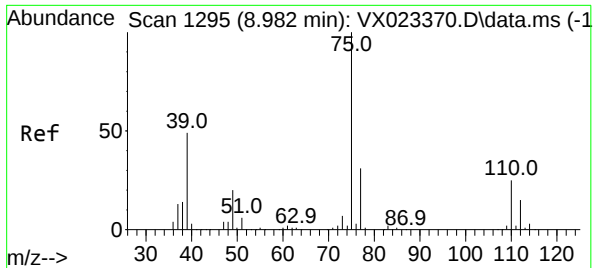
Tgt Ion: 98 Resp: 318508
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 31.038 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

Tgt Ion: 43 Resp: 85516
Ion Ratio Lower Upper
43 100
58 8.4 35.4 53.0#

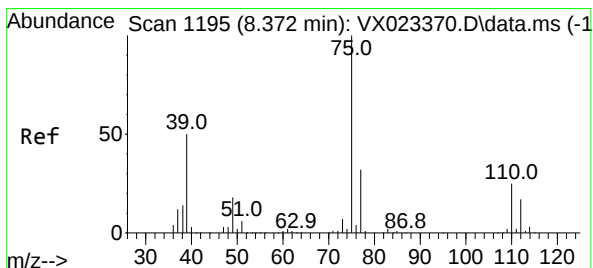
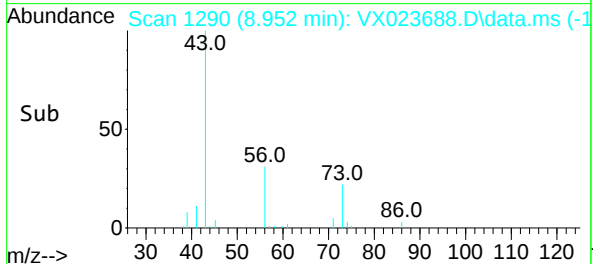
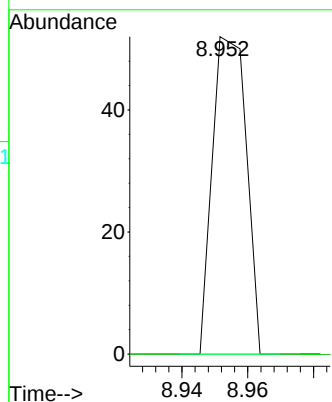
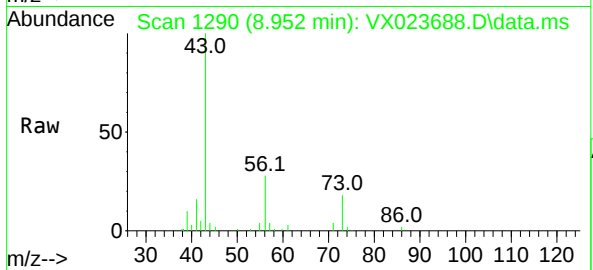




#53
t-1,3-Dichloropropene
Concen: 1.829 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.030 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

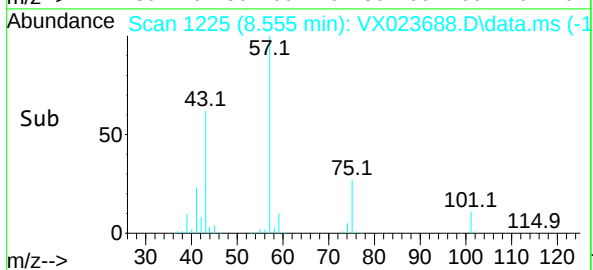
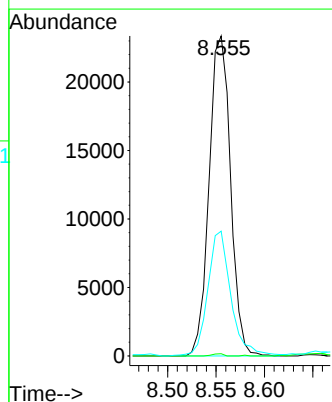
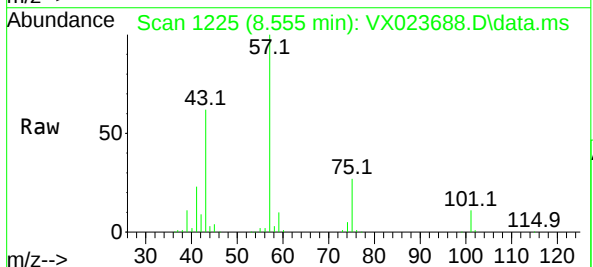
Instrument :
MSVOA_X
ClientSampled :

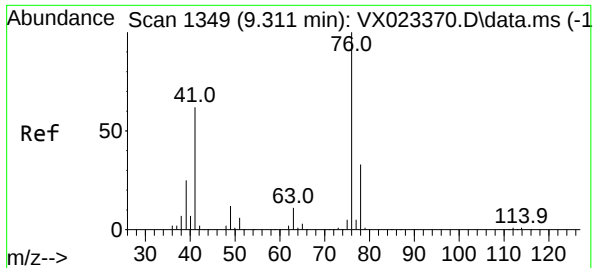
Tgt Ion: 75 Resp: 37
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 13.063 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

Tgt Ion: 75 Resp: 35999
Ion Ratio Lower Upper
75 100
77 0.7 25.7 38.5#
39 38.7 35.1 52.7



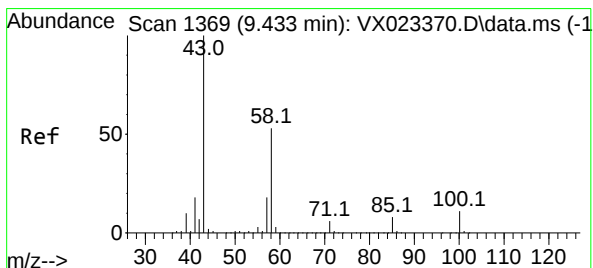
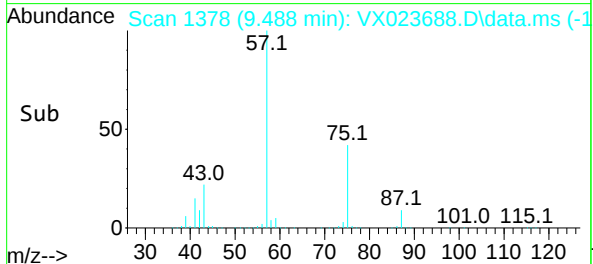
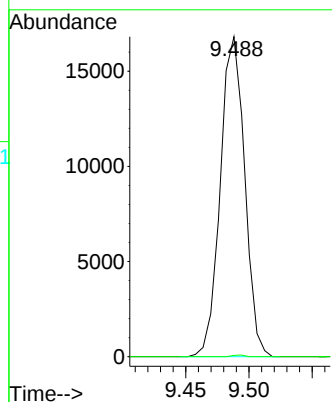
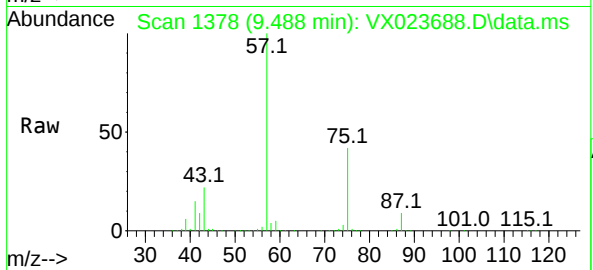


#57

1,3-Dichloropropane
Concen: 7.722 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

Instrument :
MSVOA_X
ClientSampled :

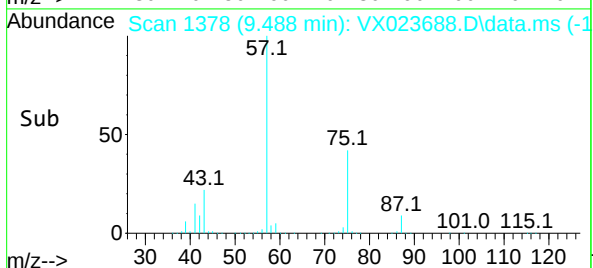
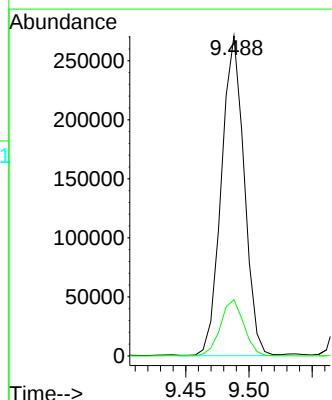
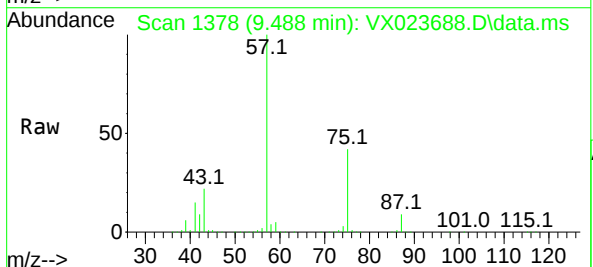
Tgt Ion: 76 Resp: 22503
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#

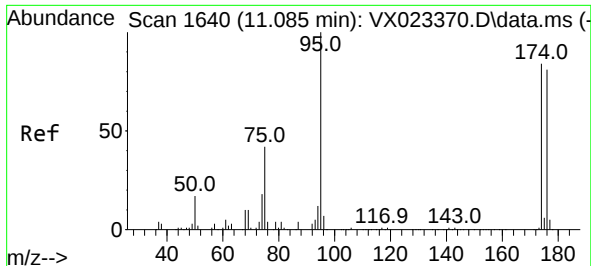


#59

2-Hexanone
Concen: 161.856 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

Tgt Ion: 43 Resp: 338645
Ion Ratio Lower Upper
43 100
58 18.1 30.9 92.8#

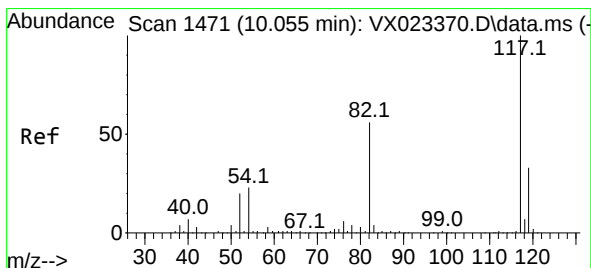
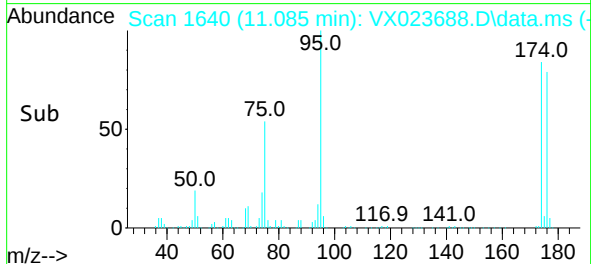
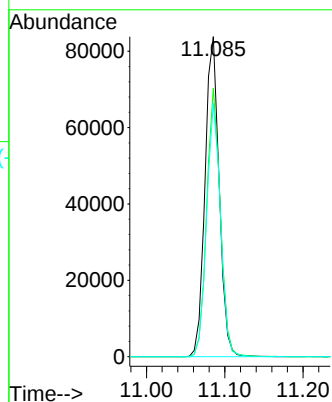
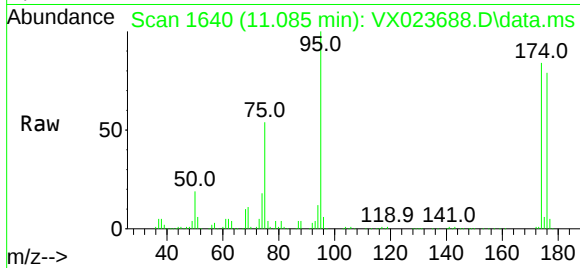




#62
4-Bromofluorobenzene
Concen: 52.617 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

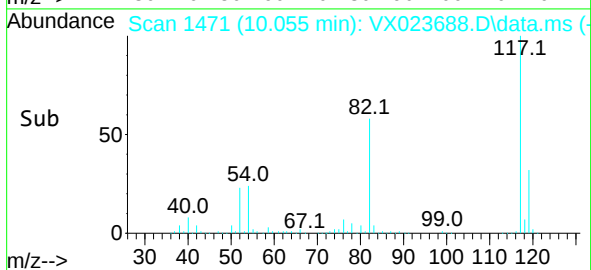
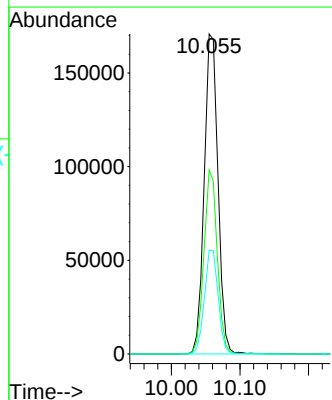
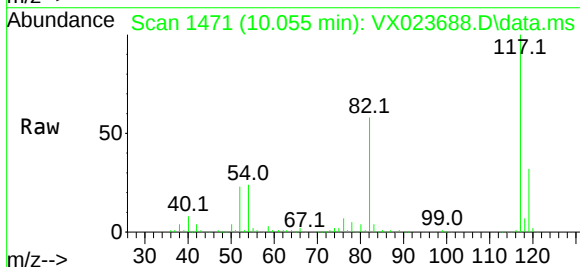
Instrument :
MSVOA_X
ClientSampled :

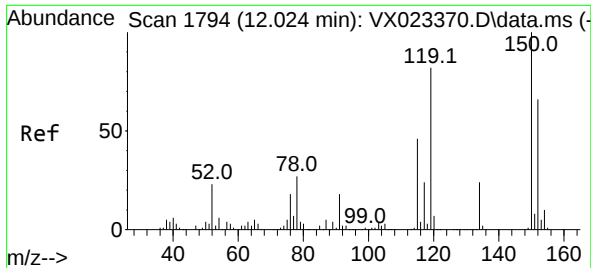
Tgt Ion: 95 Resp: 104756
Ion Ratio Lower Upper
95 100
174 81.2 0.0 154.6
176 77.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

Tgt Ion: 117 Resp: 239159
Ion Ratio Lower Upper
117 100
82 57.5 47.4 71.2
119 32.4 26.6 39.8

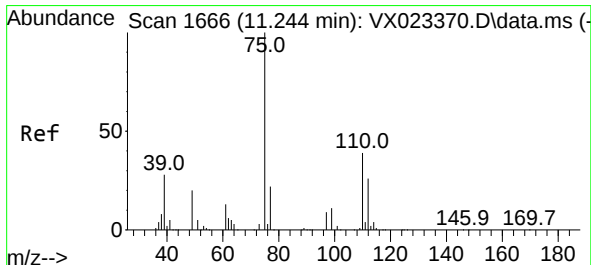
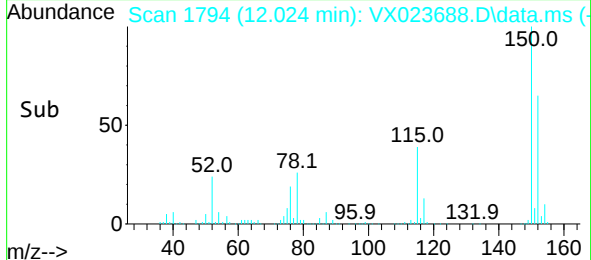
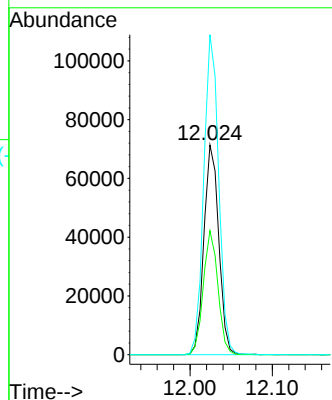
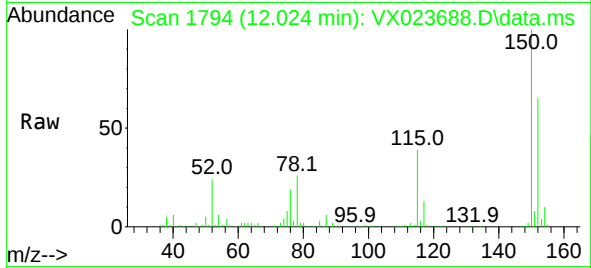




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023688.D
 Acq: 13 Aug 2021 14:15

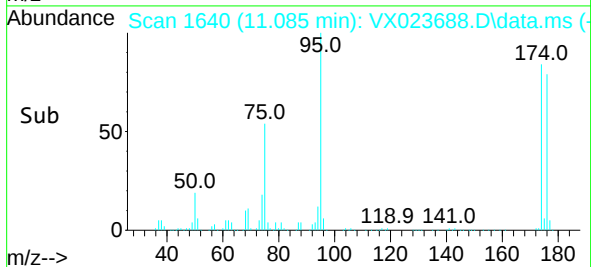
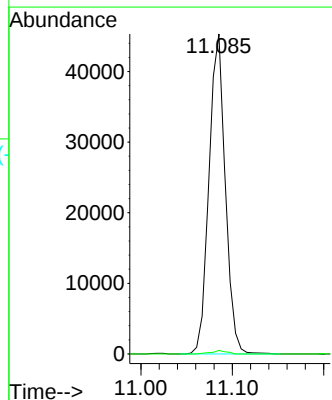
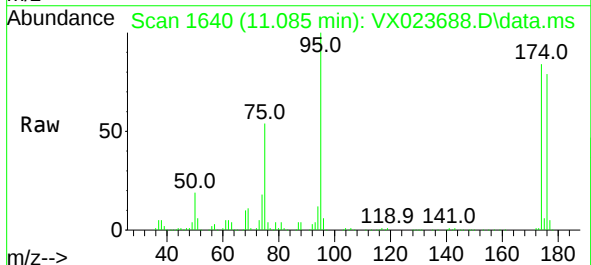
Instrument :
 MSVOA_X
 ClientSampled :

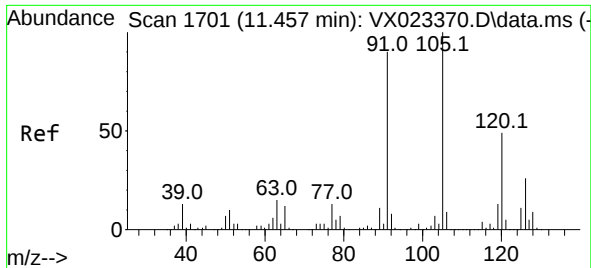
Tgt Ion:152 Resp: 89267
 Ion Ratio Lower Upper
 152 100
 115 58.3 41.1 123.3
 150 153.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.513 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023688.D
 Acq: 13 Aug 2021 14:15

Tgt Ion: 75 Resp: 56011
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#

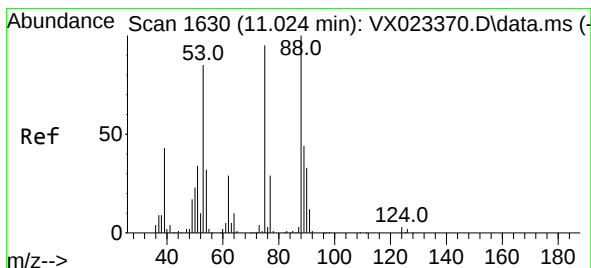
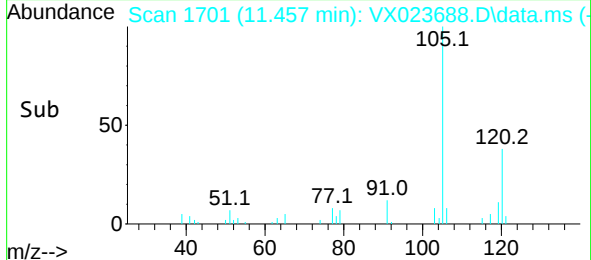
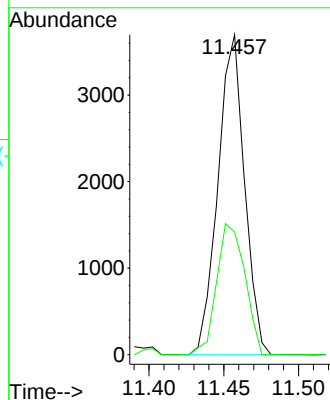
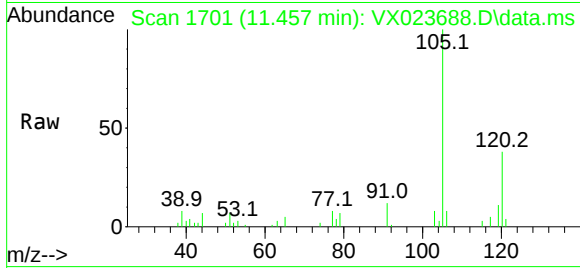




#80
1,3,5-Trimethylbenzene
Concen: 0.832 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:105 Resp: 4565
Ion Ratio Lower Upper
105 100
120 43.5 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 76.669 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023688.D
Acq: 13 Aug 2021 14:15

Tgt Ion: 75 Resp: 56011
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

