

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101122\
 Data File : VX032060.D
 Acq On : 12 Oct 2022 04:42
 Operator : JC/MD
 Sample : N5067-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B6(5-6)

Quant Time: Oct 12 06:23:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

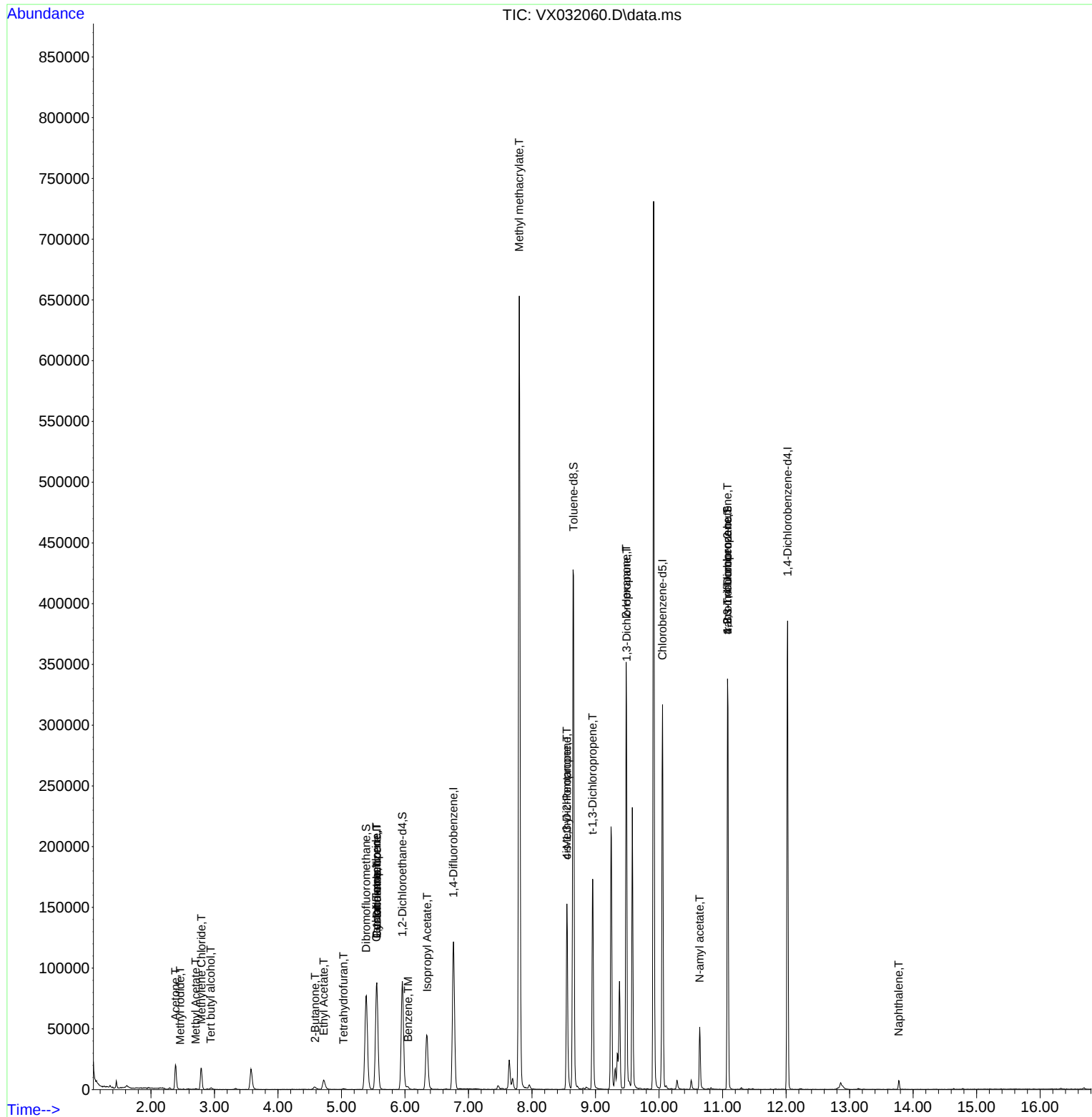
Internal Standards						
1) Pentafluorobenzene	5.556	168	79970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	121190	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	130904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76420	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84153	50.954	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.900%			
35) Dibromofluoromethane	5.385	113	65420	47.689	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.380%			
50) Toluene-d8	8.653	98	251619	50.974	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.940%			
62) 4-Bromofluorobenzene	11.079	95	85382	48.927	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.860%			
Target Compounds					Qvalue	
5) Bromomethane	1.618	94	209	Below Cal		83
10) Methyl Iodide	2.459	142	149	2.860 ug/l #		38
11) Tert butyl alcohol	2.941	59	1181	5.748 ug/l #		73
13) Acrolein	2.239	56	46	Below Cal #		15
16) Acetone	2.386	43	23282	41.479 ug/l		96
18) Methyl Acetate	2.703	43	971	0.524 ug/l #		74
20) Methylene Chloride	2.794	84	7854	5.325 ug/l		89
25) 2-Butanone	4.587	43	3227	3.678 ug/l		91
29) Tetrahydrofuran	5.032	42	690	1.219 ug/l #		48
31) Cyclohexane	5.556	56	2023	1.025 ug/l #		46
36) 1,1-Dichloropropene	5.556	75	6675	3.669 ug/l #		50
37) Ethyl Acetate	4.721	43	14178	8.279 ug/l		98
38) Carbon Tetrachloride	5.550	117	9085	4.884 ug/l #		16
40) Benzene	6.050	78	2506	0.470 ug/l		99
43) Isopropyl Acetate	6.348	43	61449	23.649 ug/l		99
48) Methyl methacrylate	7.799	41	59692	48.075 ug/l #		46
49) 1,4-Dioxane	7.799	88	63	Below Cal #		1
51) 4-Methyl-2-Pentanone	8.549	43	51802	30.084 ug/l #		51
53) t-1,3-Dichloropropene	8.952	75	349	1.388 ug/l #		44
54) cis-1,3-Dichloropropene	8.549	75	23231	12.240 ug/l #		69
57) 1,3-Dichloropropane	9.488	76	3065	1.298 ug/l #		43
59) 2-Hexanone	9.482	43	41546	32.723 ug/l #		51
74) N-amyl acetate	10.640	43	12747	7.242 ug/l #		53
76) 1,2,3-Trichloropropane	11.079	75	47476	30.312 ug/l #		36
81) trans-1,4-Dichloro-2-b...	11.079	75	47476	103.426 ug/l #		11
95) Naphthalene	13.774	128	5146	0.921 ug/l		97

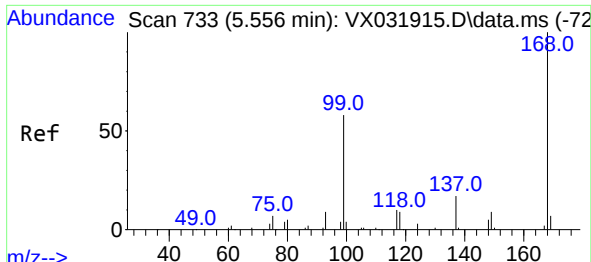
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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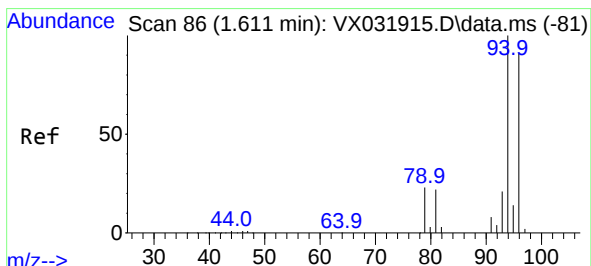
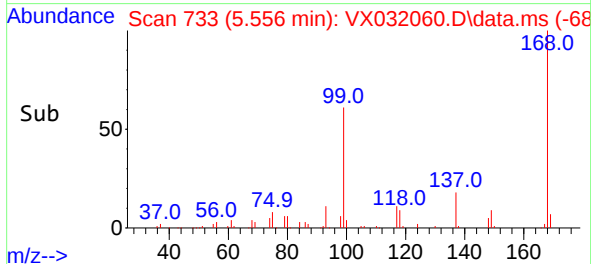
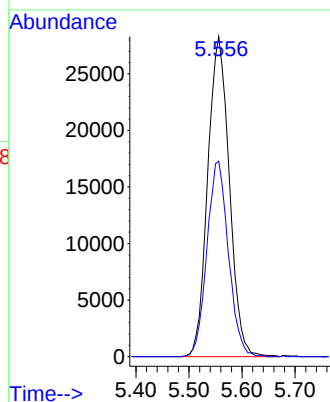
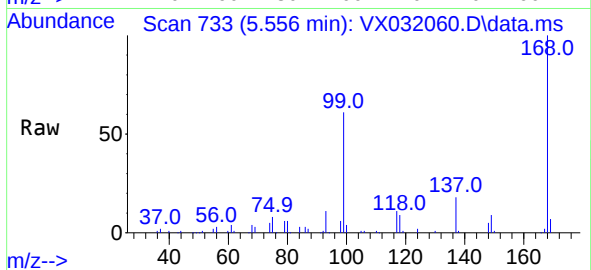




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

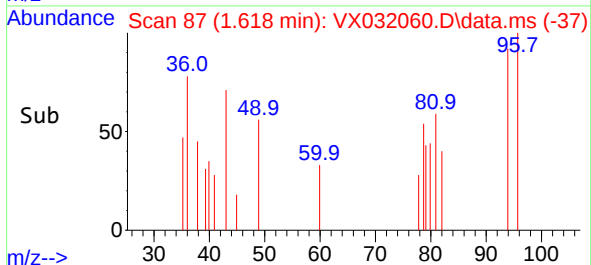
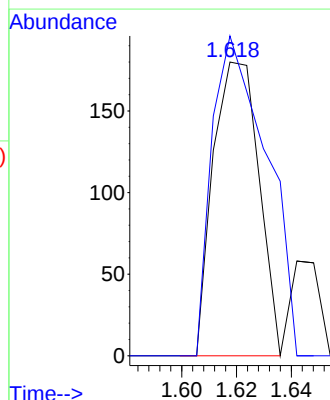
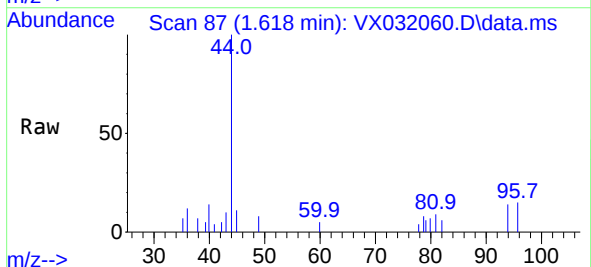
Instrument :
MSVOA_X
ClientSampleId :
B6(5-6)

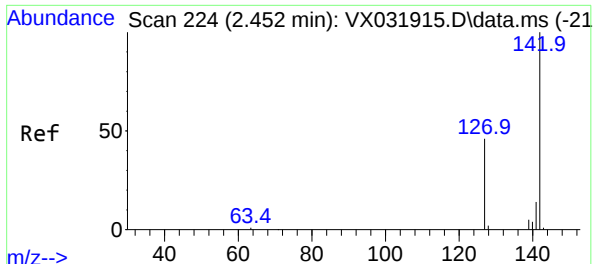
Tgt Ion:168 Resp: 79970
Ion Ratio Lower Upper
168 100
99 61.1 48.8 73.2



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

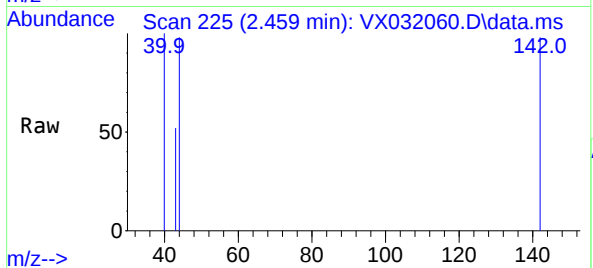
Tgt Ion: 94 Resp: 209
Ion Ratio Lower Upper
94 100
96 108.9 74.4 111.6



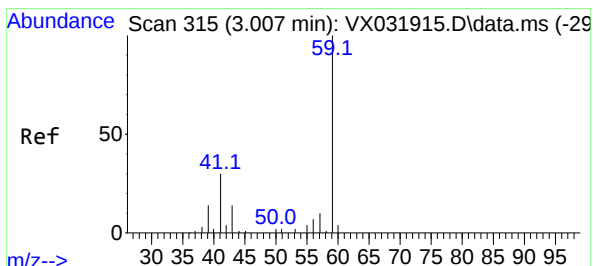
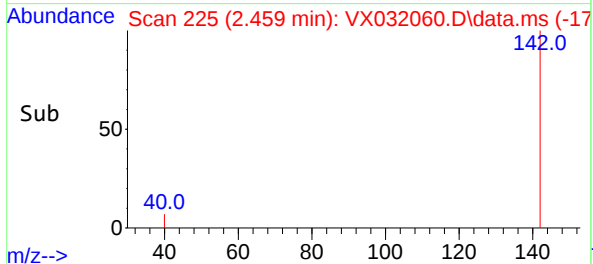
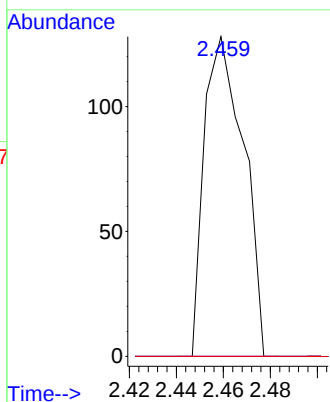


#10
Methyl Iodide
Concen: 2.860 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

Instrument :
MSVOA_X
ClientSampleId :
B6(5-6)

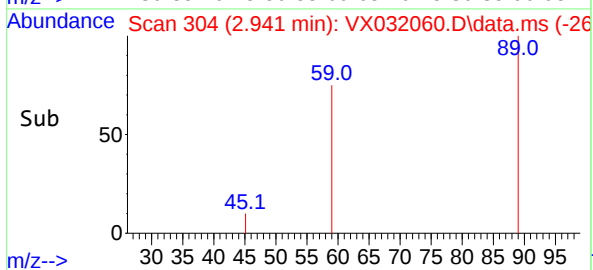
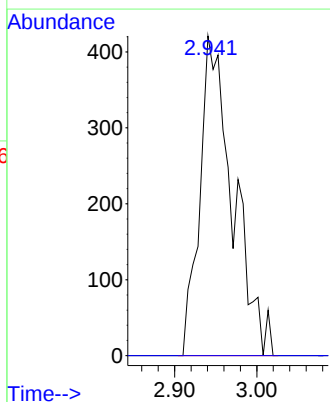
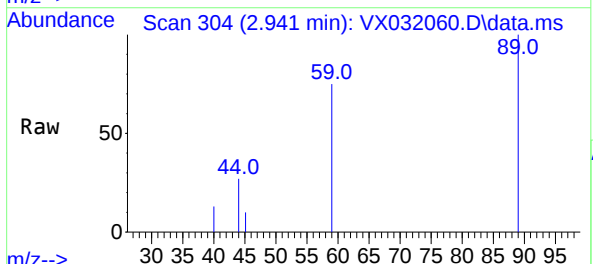


Tgt Ion:142 Resp: 149
Ion Ratio Lower Upper
142 100
127 0.0 37.4 56.0#
141 0.0 11.6 17.4#

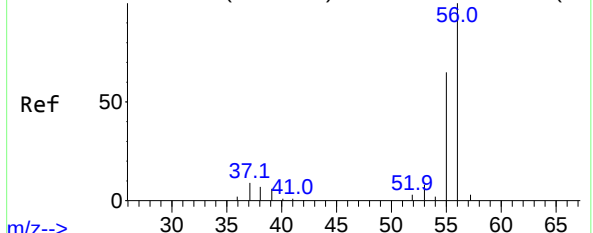


#11
Tert butyl alcohol
Concen: 5.748 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.066 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

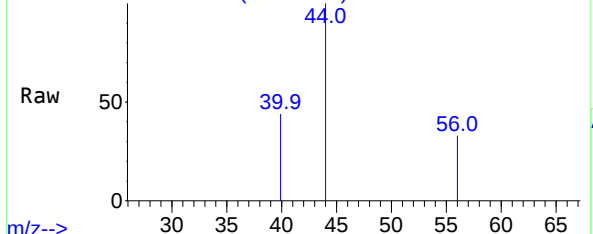
Tgt Ion: 59 Resp: 1181
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



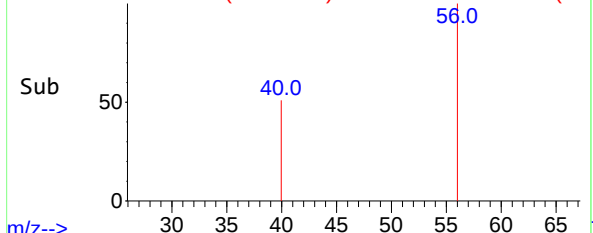
Abundance Scan 189 (2.239 min): VX031915.D\data.ms (-18



m/z--> Scan 189 (2.239 min): VX032060.D\data.ms



m/z--> Abundance Scan 189 (2.239 min): VX032060.D\data.ms (-14



m/z-->

#13

Acrolein

Concen: Below Cal

RT: 2.239 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX032060.D

Acq: 12 Oct 2022 04:42

Instrument :

MSVOA_X

ClientSampleId :

B6(5-6)

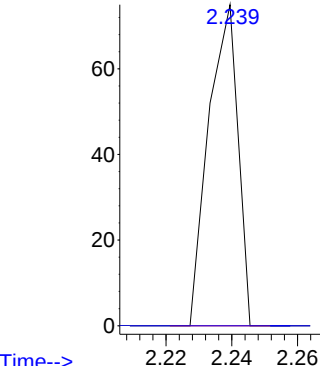
Tgt Ion: 56 Resp: 46

Ion Ratio Lower Upper

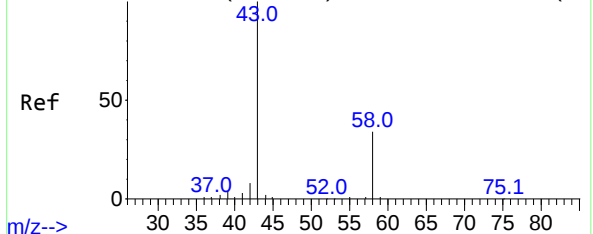
56 100

55 0.0 56.0 84.0#

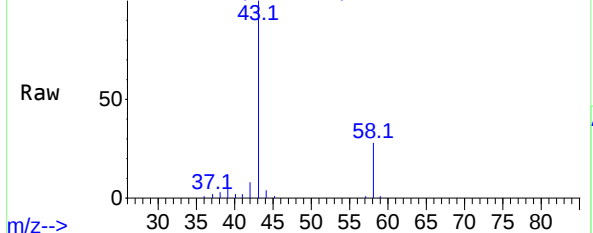
Abundance



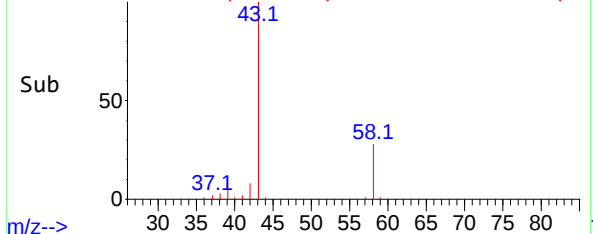
Abundance Scan 214 (2.392 min): VX031915.D\data.ms (-20



m/z--> Scan 213 (2.386 min): VX032060.D\data.ms



m/z--> Abundance Scan 213 (2.386 min): VX032060.D\data.ms (-16



m/z-->

#16

Acetone

Concen: 41.479 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX032060.D

Acq: 12 Oct 2022 04:42

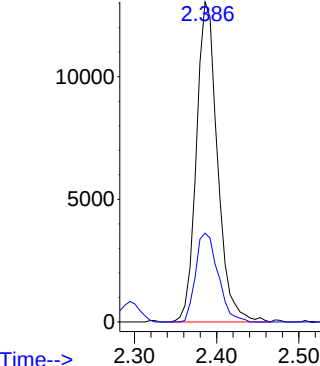
Tgt Ion: 43 Resp: 23282

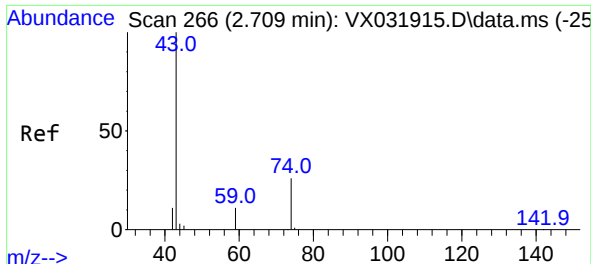
Ion Ratio Lower Upper

43 100

58 27.8 23.8 35.8

Abundance

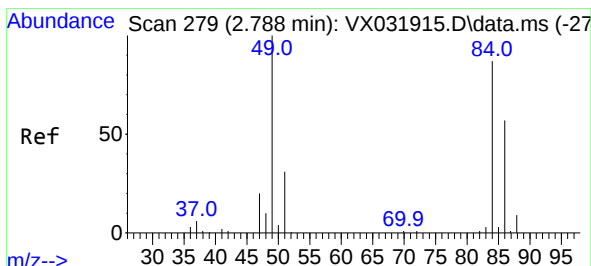
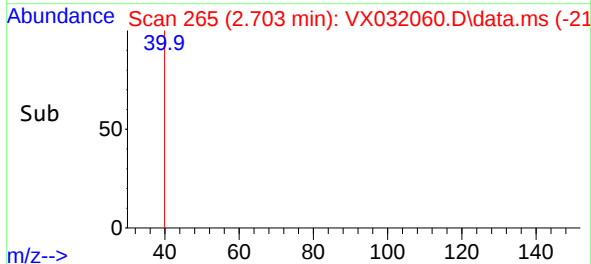
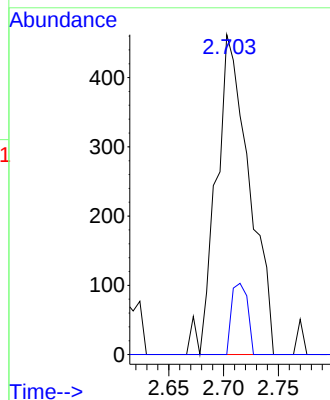
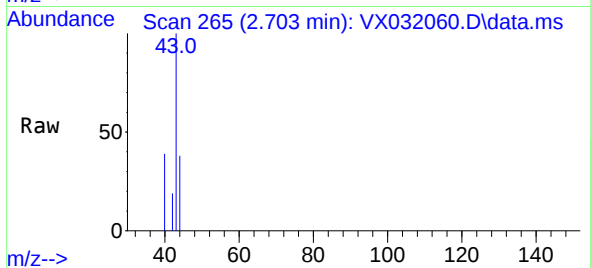




#18
Methyl Acetate
Concen: 0.524 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

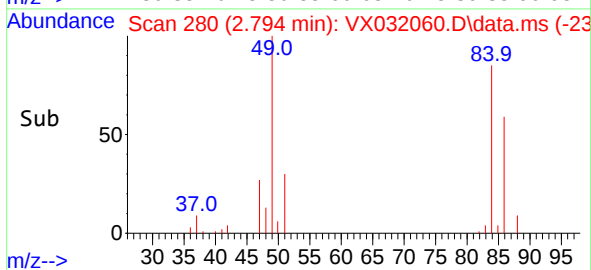
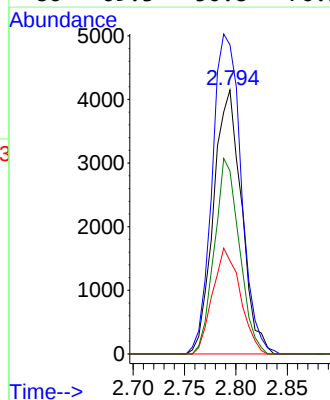
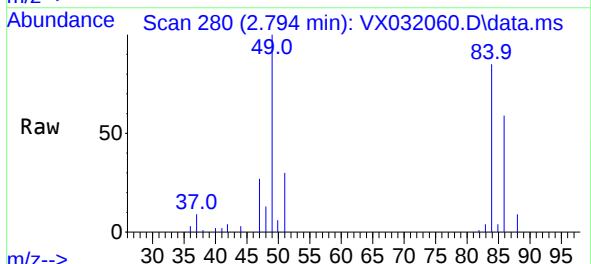
Instrument :
MSVOA_X
ClientSampleId :
B6(5-6)

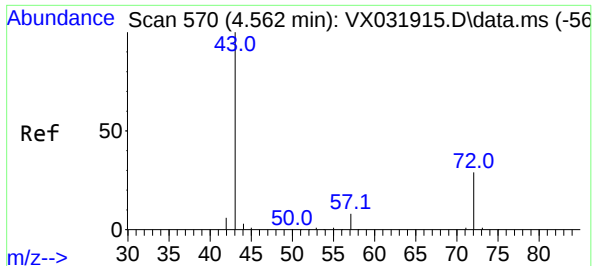
Tgt Ion: 43 Resp: 971
Ion Ratio Lower Upper
43 100
74 10.7 18.6 27.8#



#20
Methylene Chloride
Concen: 5.325 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

Tgt Ion: 84 Resp: 7854
Ion Ratio Lower Upper
84 100
49 117.1 105.9 158.9
51 35.3 32.2 48.2
86 69.3 50.8 76.2





#25

2-Butanone

Concen: 3.678 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.025 min

Lab File: VX032060.D

Acq: 12 Oct 2022 04:42

Instrument :

MSVOA_X

ClientSampleId :

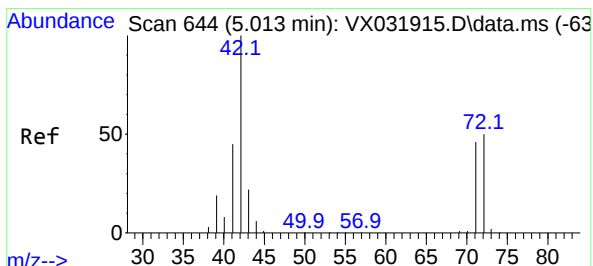
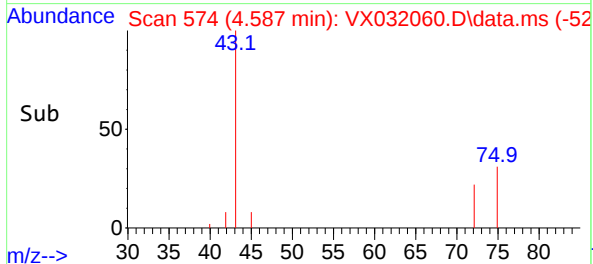
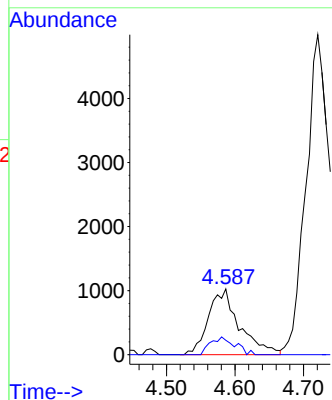
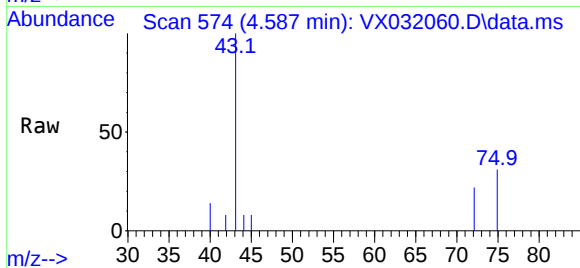
B6(5-6)

Tgt Ion: 43 Resp: 3227

Ion Ratio Lower Upper

43 100

72 22.0 21.1 31.7



#29

Tetrahydrofuran

Concen: 1.219 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.019 min

Lab File: VX032060.D

Acq: 12 Oct 2022 04:42

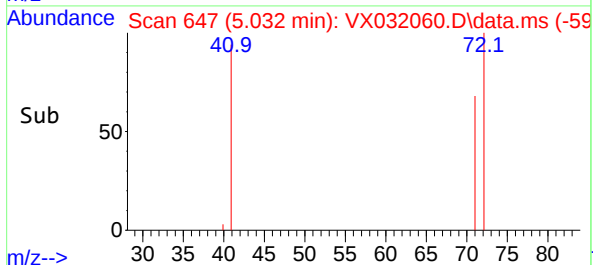
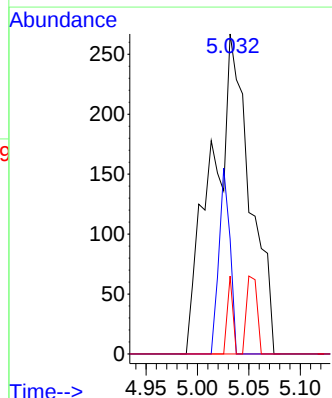
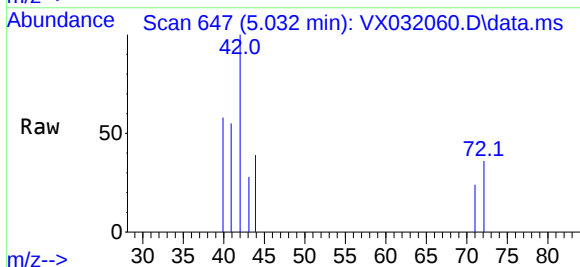
Tgt Ion: 42 Resp: 690

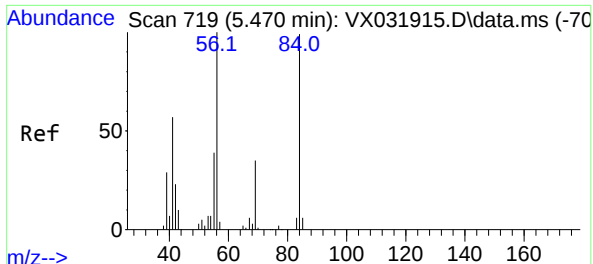
Ion Ratio Lower Upper

42 100

72 16.7 36.4 54.6#

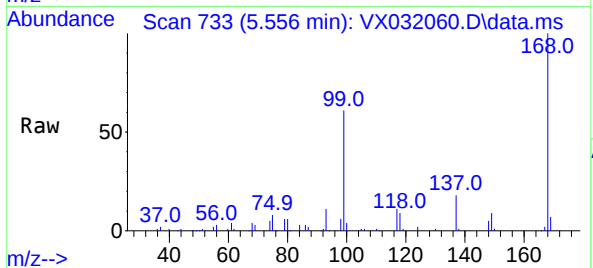
71 3.5 33.5 50.3#



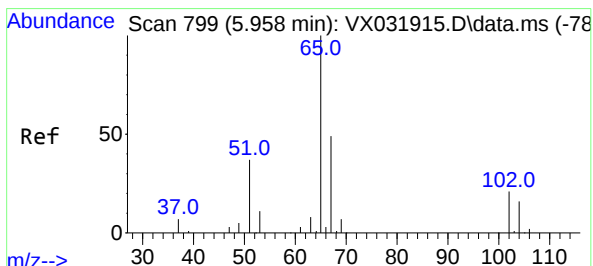
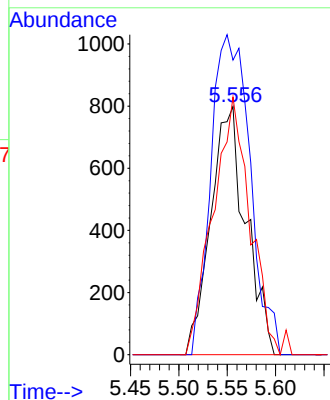
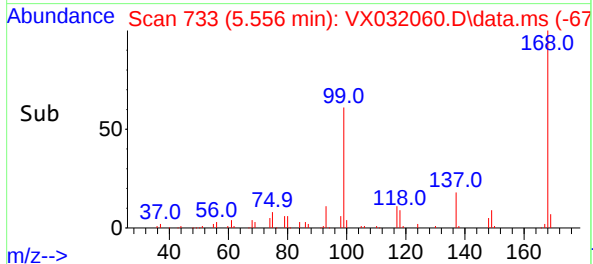


#31
Cyclohexane
Concen: 1.025 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

Instrument :
MSVOA_X
ClientSampleId :
B6(5-6)

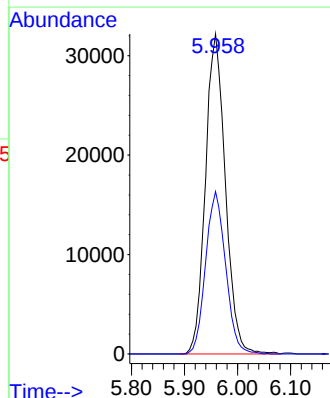
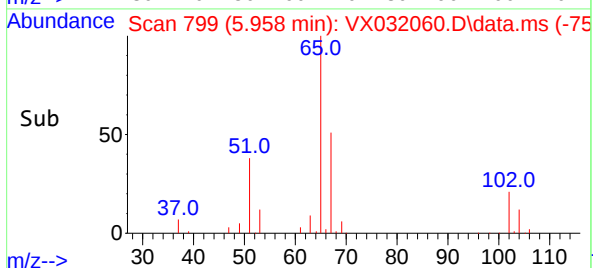
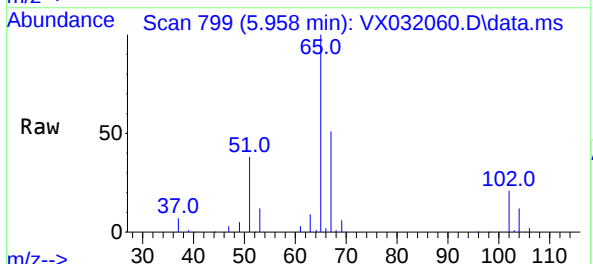


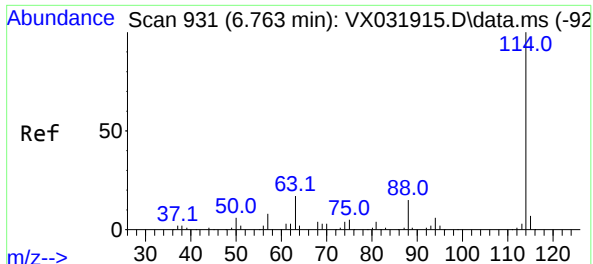
Tgt Ion: 56 Resp: 2023
Ion Ratio Lower Upper
56 100
69 118.6 25.1 37.7#
84 103.8 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 50.954 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

Tgt Ion: 65 Resp: 84153
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.4

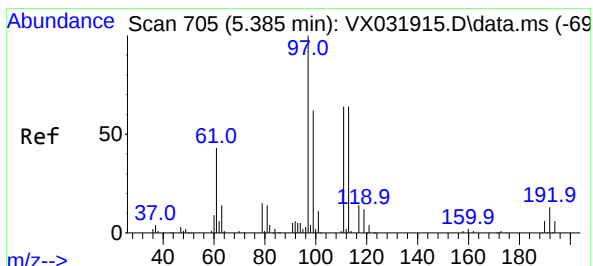
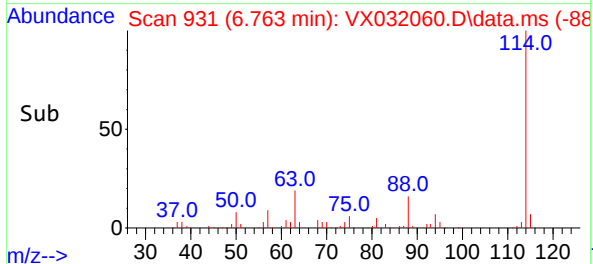
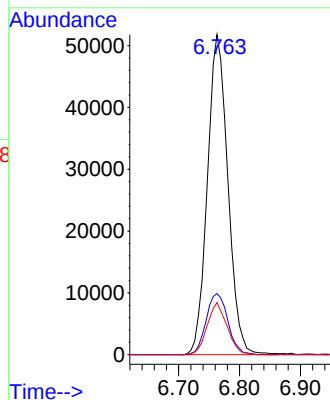
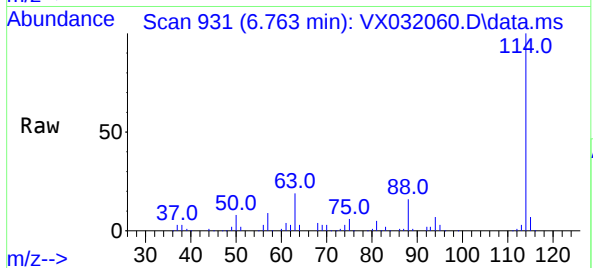




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

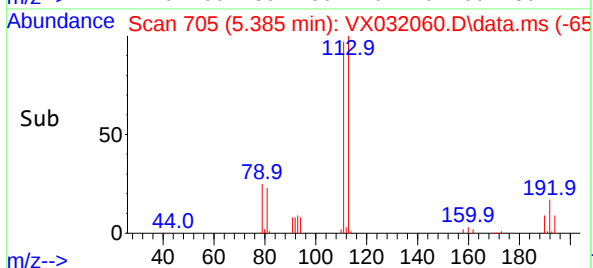
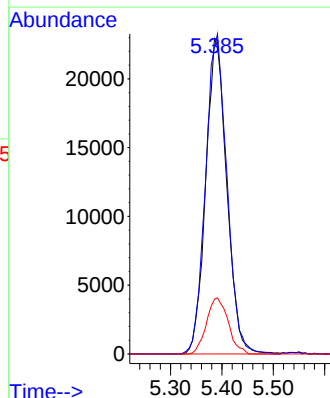
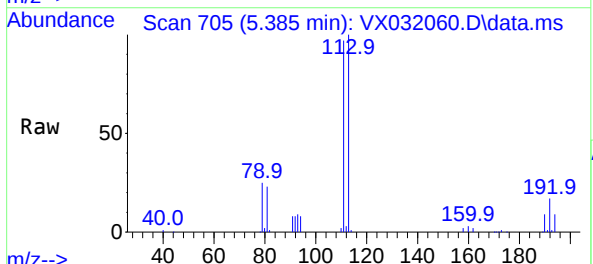
Instrument :
MSVOA_X
ClientSampleId :
B6(5-6)

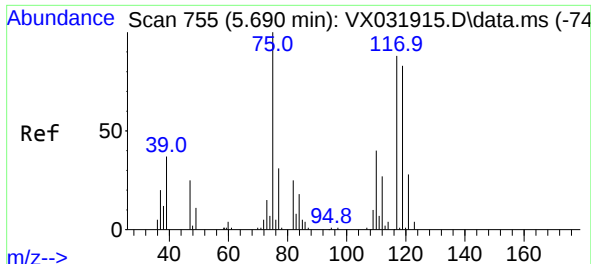
Tgt Ion:114 Resp: 121190
Ion Ratio Lower Upper
114 100
63 19.1 0.0 42.6
88 16.3 0.0 33.0



#35
Dibromofluoromethane
Concen: 47.689 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

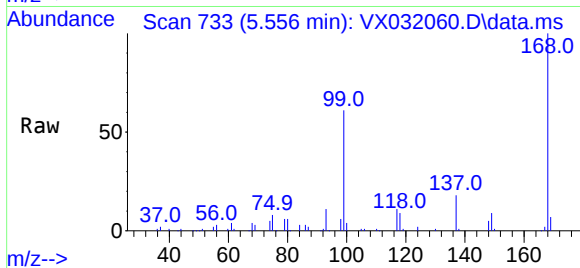
Tgt Ion:113 Resp: 65420
Ion Ratio Lower Upper
113 100
111 102.9 82.4 123.6
192 18.2 14.1 21.1



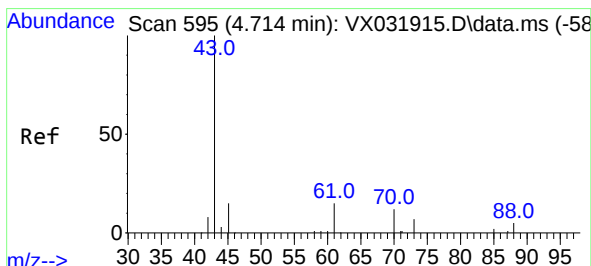
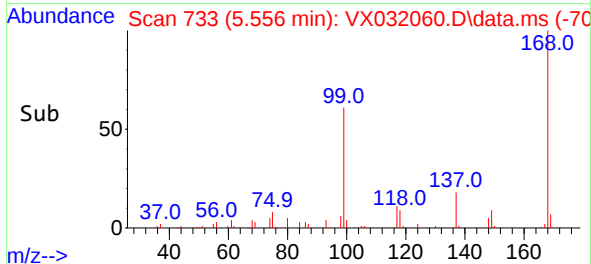
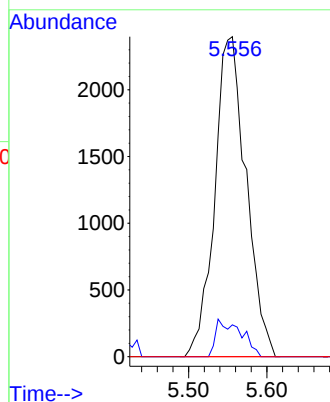


#36
1,1-Dichloropropene
Concen: 3.669 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

Instrument :
MSVOA_X
ClientSampleId :
B6(5-6)

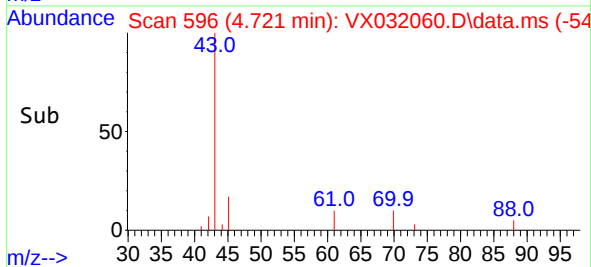
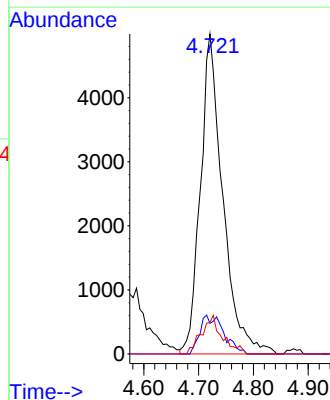
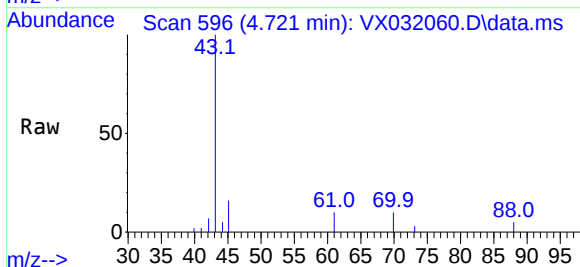


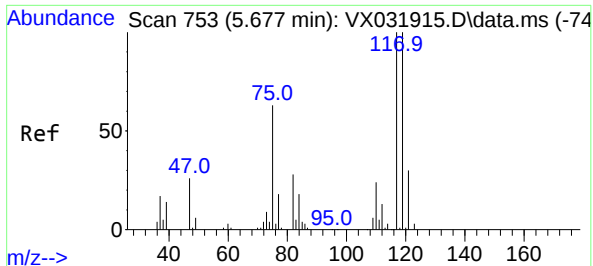
Tgt Ion: 75 Resp: 6675
Ion Ratio Lower Upper
75 100
110 9.4 17.5 52.5#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 8.279 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.007 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

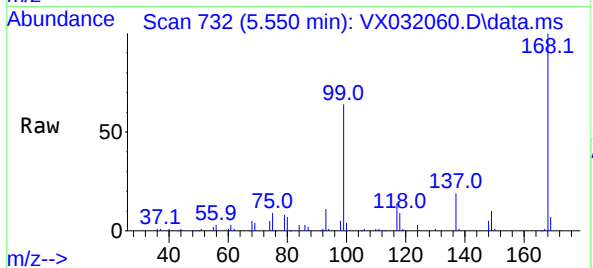
Tgt Ion: 43 Resp: 14178
Ion Ratio Lower Upper
43 100
61 12.9 11.1 16.7
70 11.1 8.6 13.0



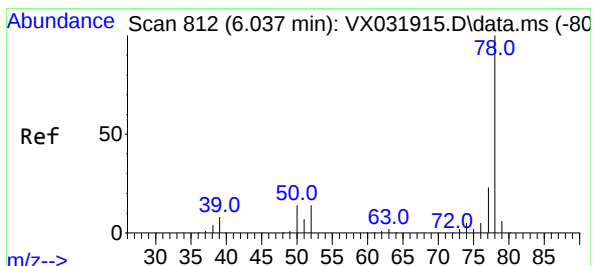
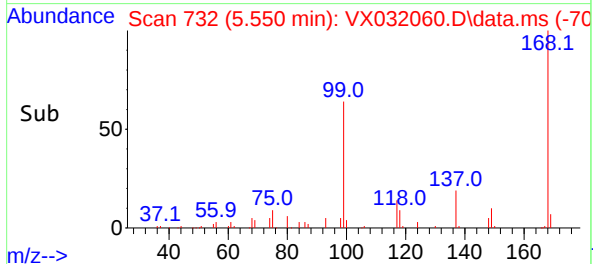
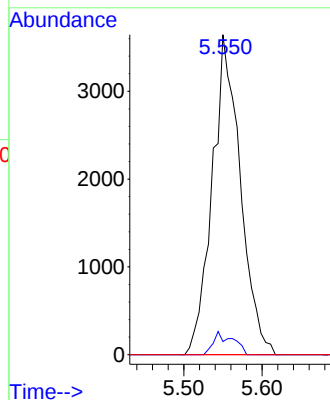


#38
Carbon Tetrachloride
Concen: 4.884 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.127 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

Instrument :
MSVOA_X
ClientSampleId :
B6(5-6)

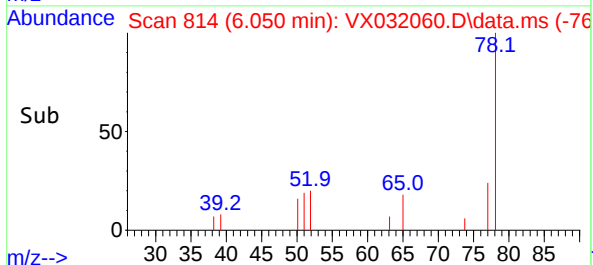
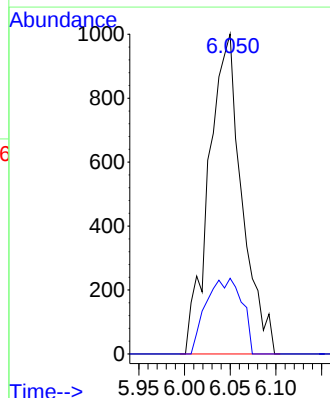
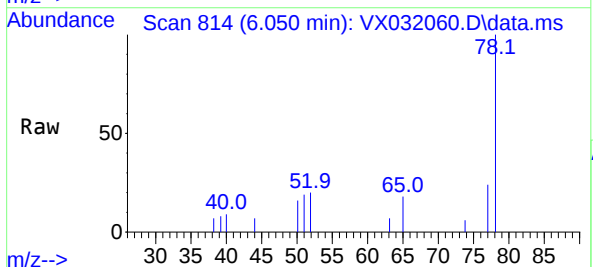


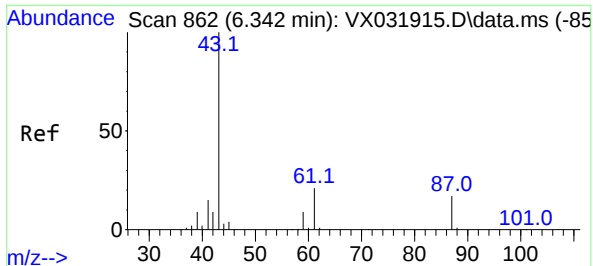
Tgt Ion:117 Resp: 9085
Ion Ratio Lower Upper
117 100
119 4.1 74.6 112.0#
121 0.0 25.3 37.9#



#40
Benzene
Concen: 0.470 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.013 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

Tgt Ion: 78 Resp: 2506
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1

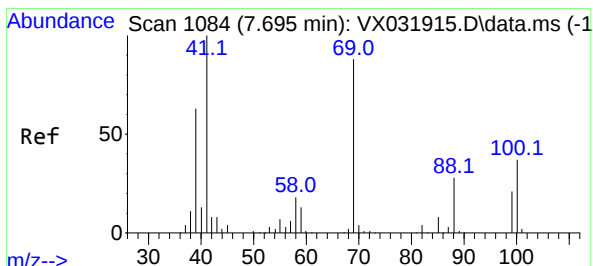
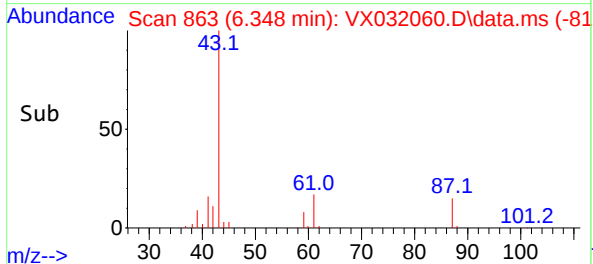
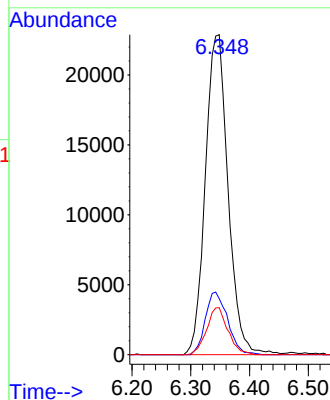
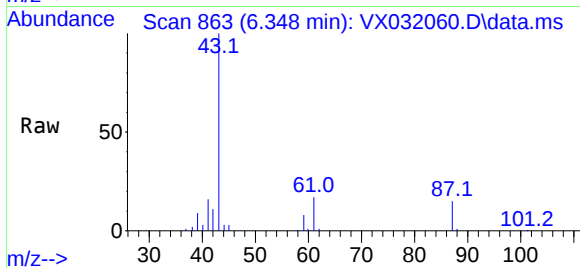




#43
Isopropyl Acetate
Concen: 23.649 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

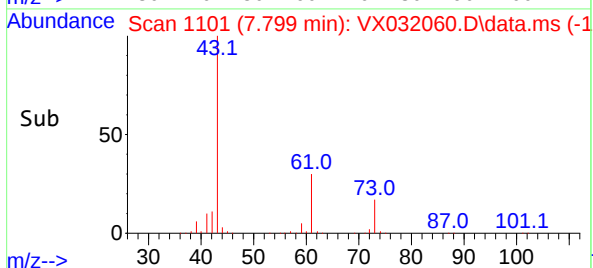
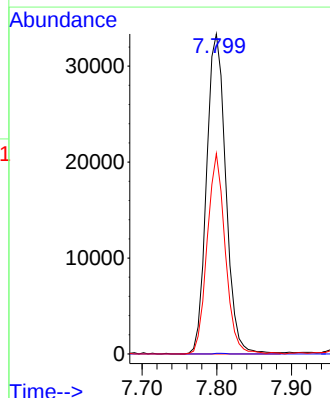
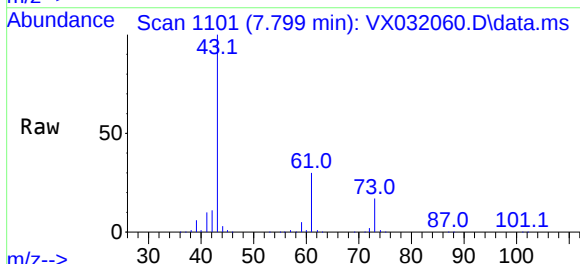
Instrument :
MSVOA_X
ClientSampleId :
B6(5-6)

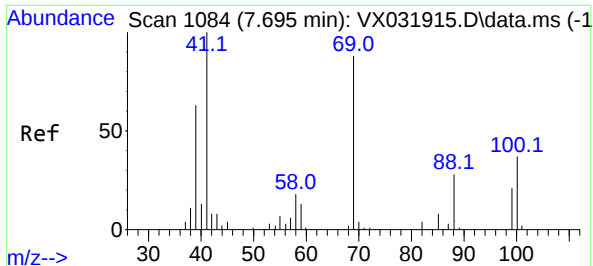
Tgt Ion:	43	Resp:	61449
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.3	22.9
87	13.8	10.6	15.8



#48
Methyl methacrylate
Concen: 48.075 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

Tgt Ion:	41	Resp:	59692
Ion	Ratio	Lower	Upper
41	100		
69	0.1	64.6	96.8#
39	58.8	51.4	77.0

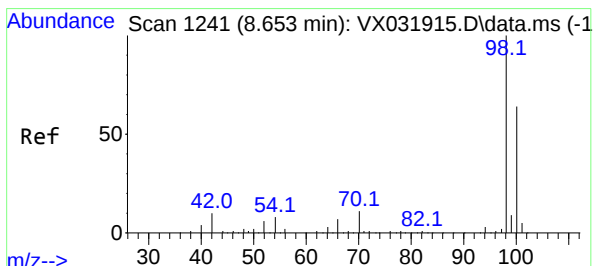
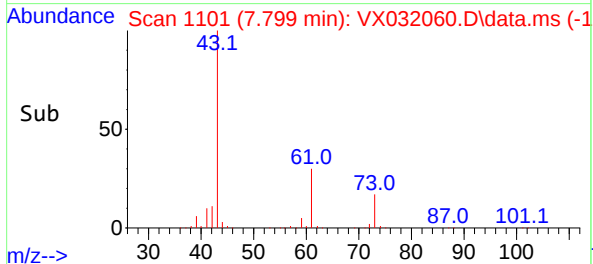
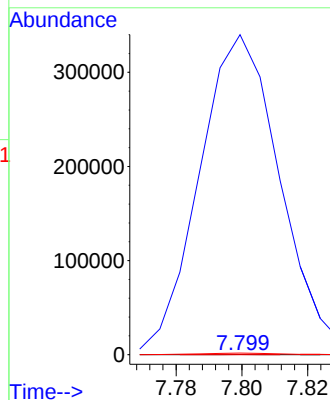
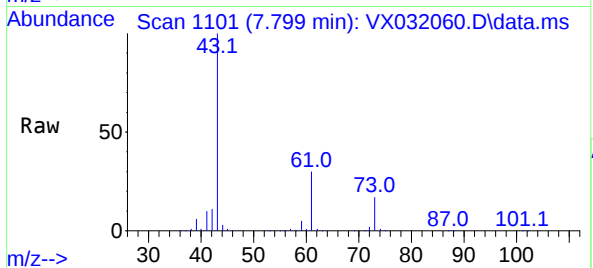




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

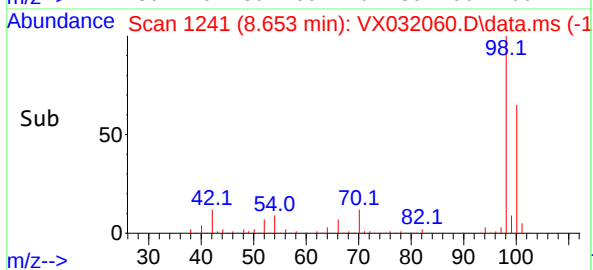
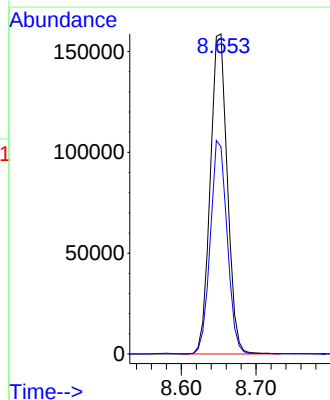
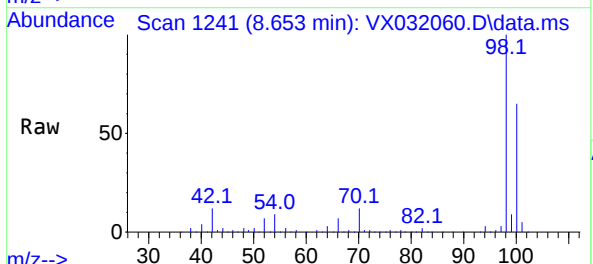
Instrument :
MSVOA_X
ClientSampleId :
B6(5-6)

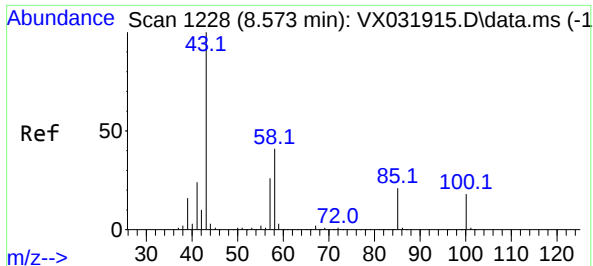
Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 936307.9 27.1 40.7#
58 4446.0 53.9 80.9#



#50
Toluene-d8
Concen: 50.974 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

Tgt Ion: 98 Resp: 251619
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 30.084 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX032060.D

Acq: 12 Oct 2022 04:42

Instrument :

MSVOA_X

ClientSampleId :

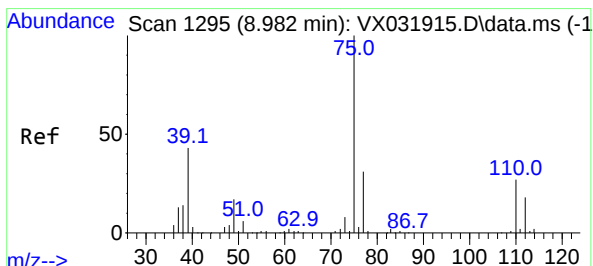
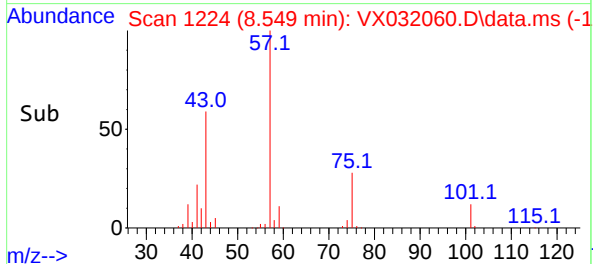
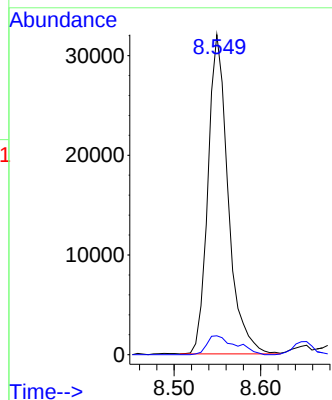
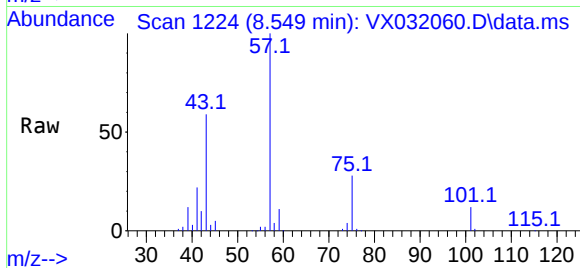
B6(5-6)

Tgt Ion: 43 Resp: 51802

Ion Ratio Lower Upper

43 100

58 8.5 30.6 46.0#



#53

t-1,3-Dichloropropene

Concen: 1.388 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.030 min

Lab File: VX032060.D

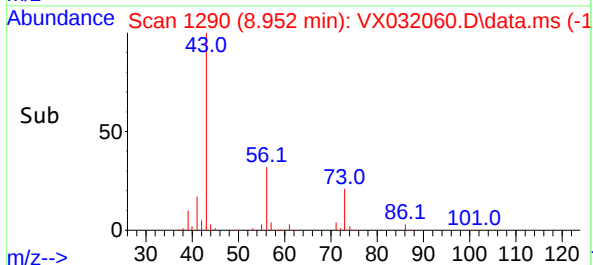
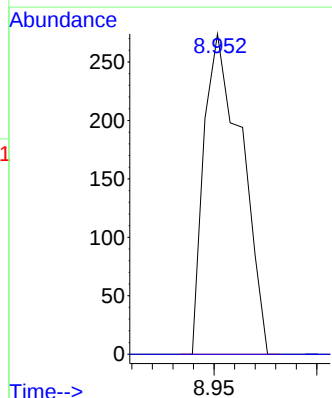
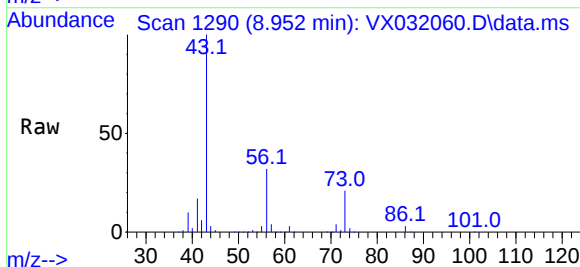
Acq: 12 Oct 2022 04:42

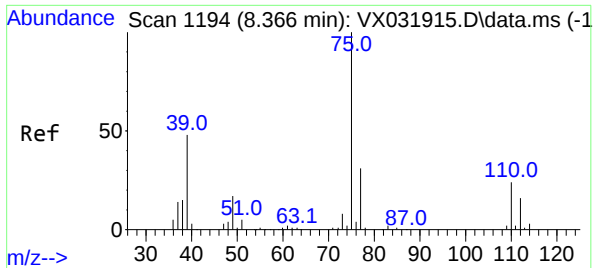
Tgt Ion: 75 Resp: 349

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

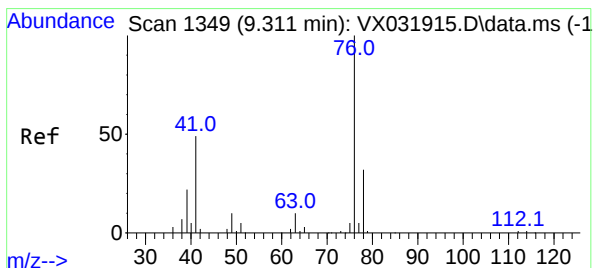
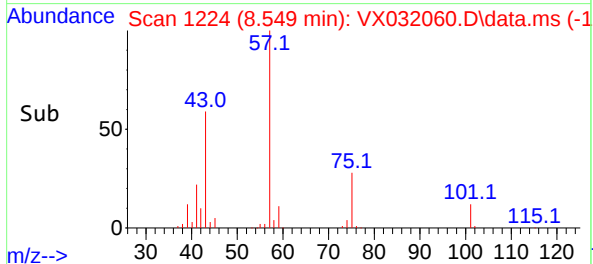
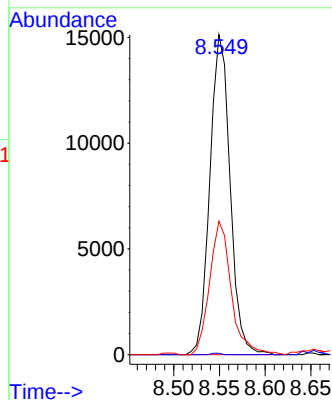
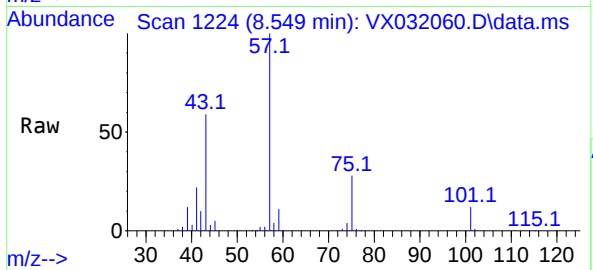




#54
cis-1,3-Dichloropropene
Concen: 12.240 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

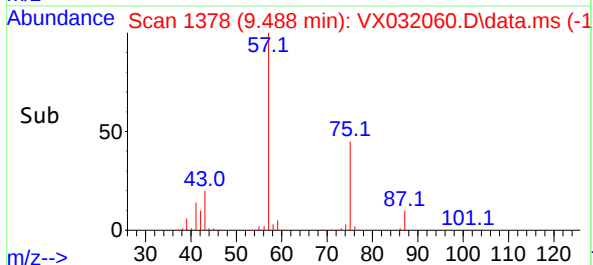
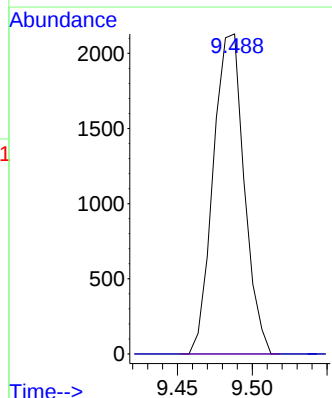
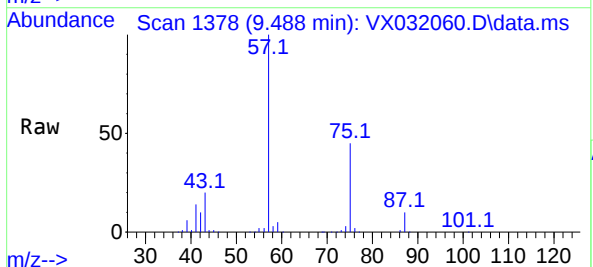
Instrument :
MSVOA_X
ClientSampleId :
B6(5-6)

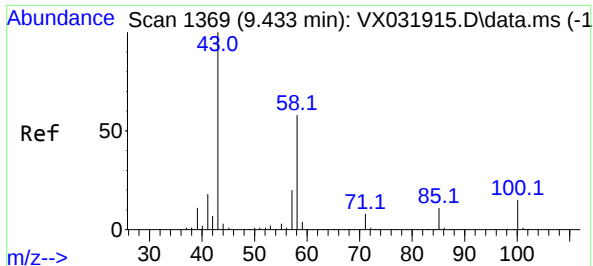
Tgt Ion: 75 Resp: 23231
Ion Ratio Lower Upper
75 100
77 0.4 24.4 36.6#
39 41.7 43.7 65.5#



#57
1,3-Dichloropropane
Concen: 1.298 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

Tgt Ion: 76 Resp: 3065
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#





#59

2-Hexanone

Concen: 32.723 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX032060.D

Acq: 12 Oct 2022 04:42

Instrument :

MSVOA_X

ClientSampleId :

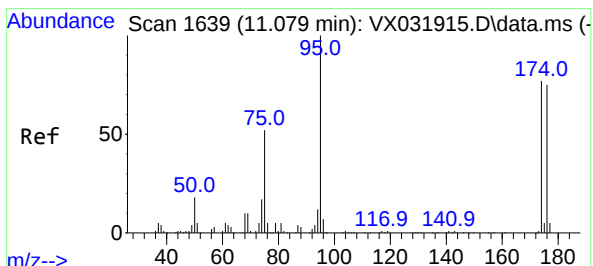
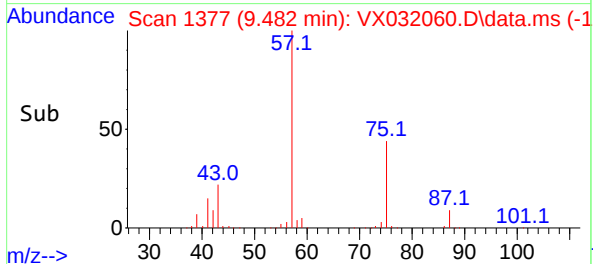
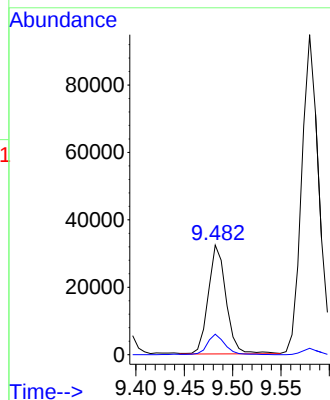
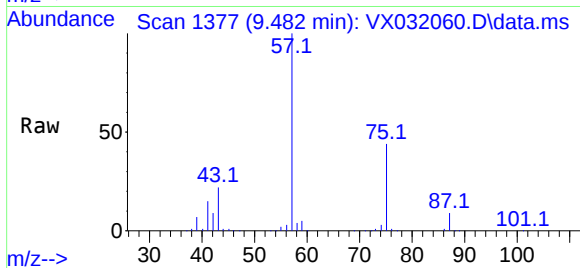
B6(5-6)

Tgt Ion: 43 Resp: 41546

Ion Ratio Lower Upper

43 100

58 18.6 26.7 80.0#



#62

4-Bromofluorobenzene

Concen: 48.927 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032060.D

Acq: 12 Oct 2022 04:42

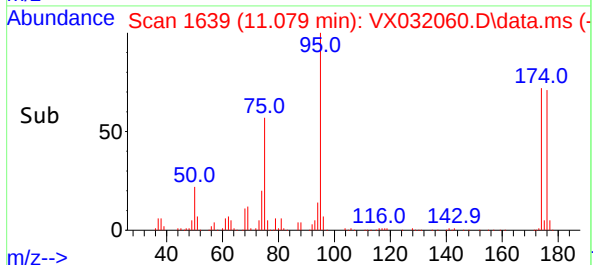
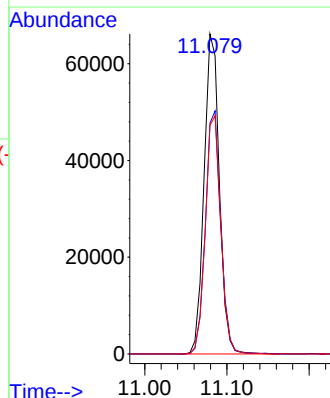
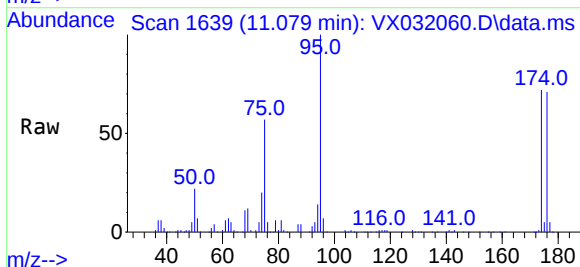
Tgt Ion: 95 Resp: 85382

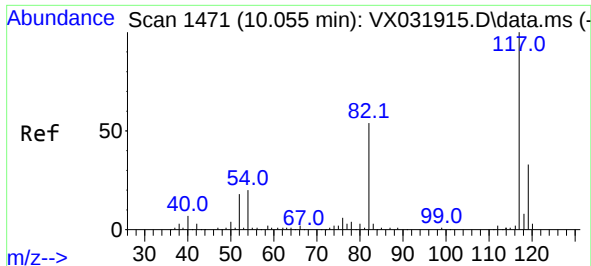
Ion Ratio Lower Upper

95 100

174 75.9 0.0 153.2

176 75.2 0.0 144.0

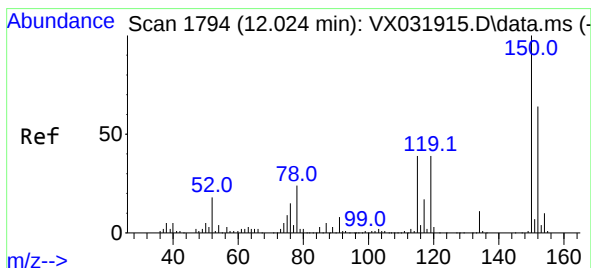
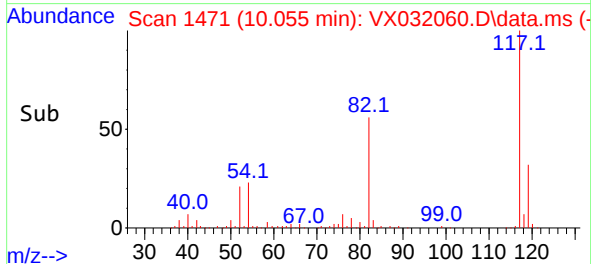
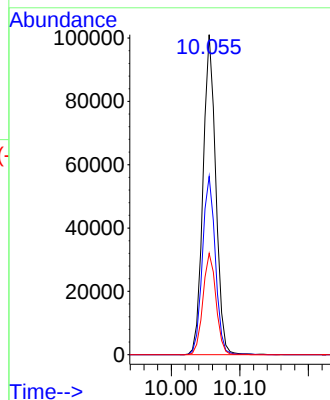
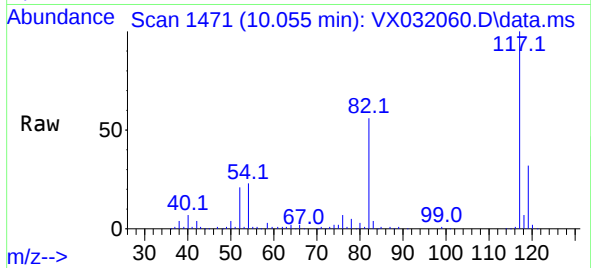




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

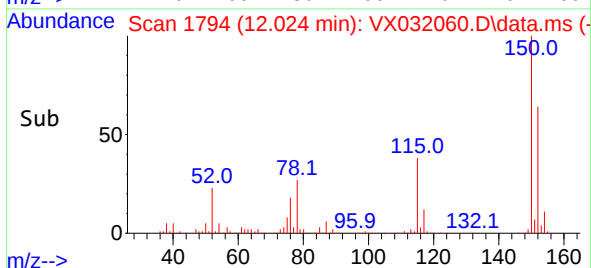
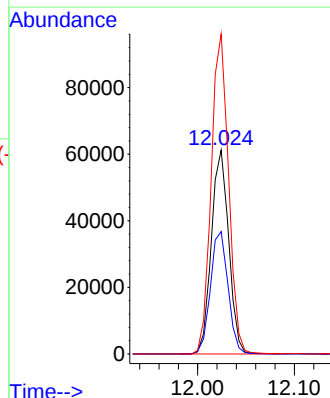
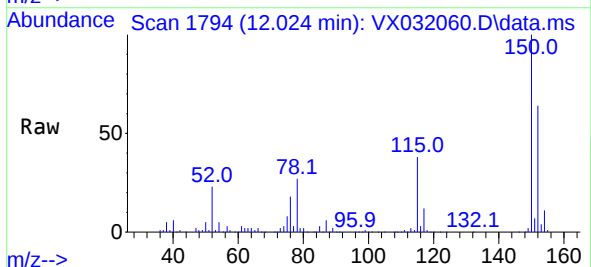
Instrument :
MSVOA_X
ClientSampleId :
B6(5-6)

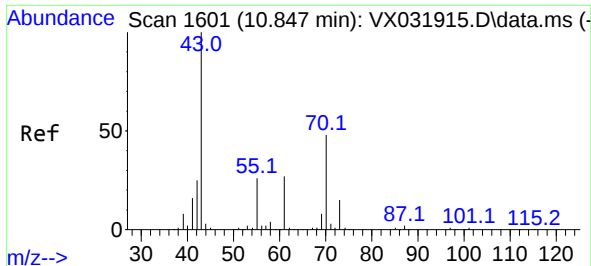
Tgt Ion:117 Resp: 130904
Ion Ratio Lower Upper
117 100
82 55.7 46.8 70.2
119 31.7 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

Tgt Ion:152 Resp: 76420
Ion Ratio Lower Upper
152 100
115 61.0 43.4 130.1
150 157.0 0.0 346.8

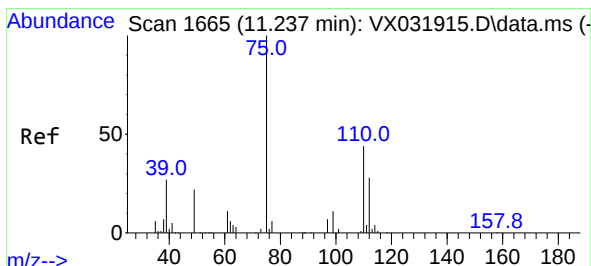
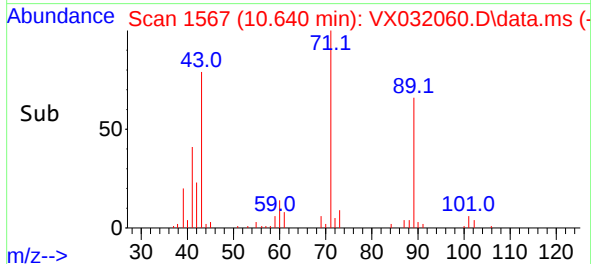
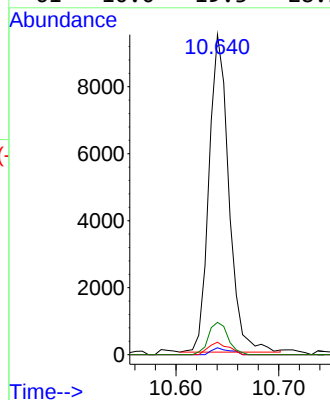
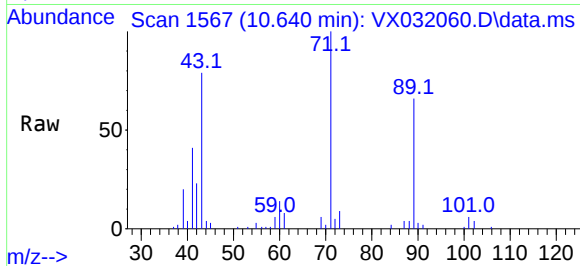




#74
N-amy1 acetate
Concen: 7.242 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.207 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

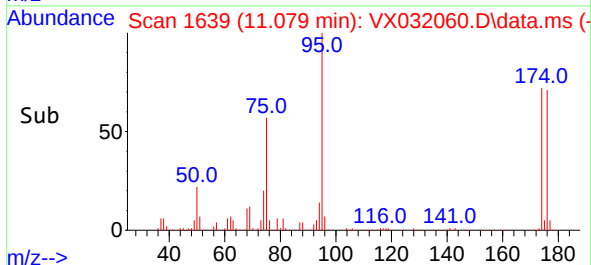
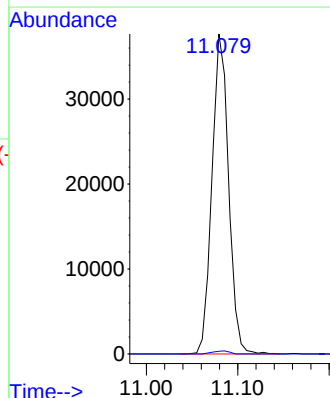
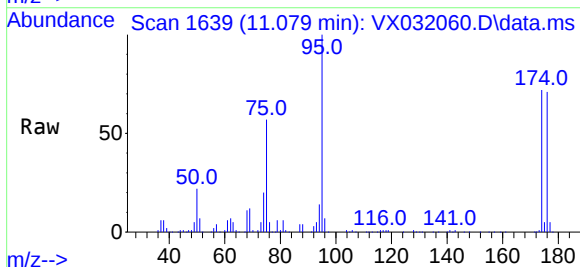
Instrument :
MSVOA_X
ClientSampleId :
B6(5-6)

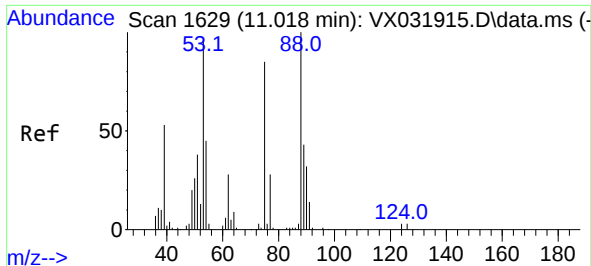
Tgt Ion:	43	Resp:	12747
Ion	Ratio	Lower	Upper
43	100		
70	2.0	33.4	50.2#
55	3.9	18.2	27.2#
61	10.0	19.3	28.9#



#76
1,2,3-Trichloropropane
Concen: 30.312 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

Tgt Ion:	75	Resp:	47476
Ion	Ratio	Lower	Upper
75	100		
77	0.9	20.3	60.9#

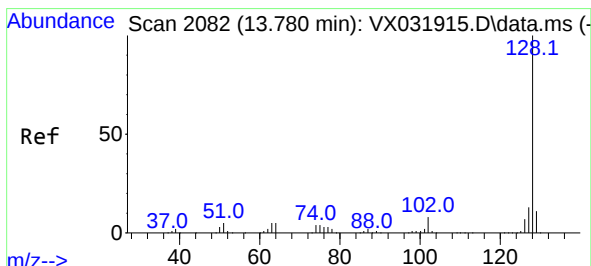
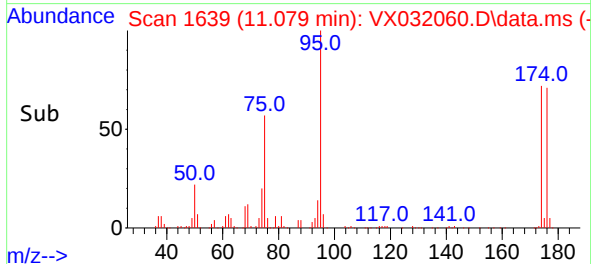
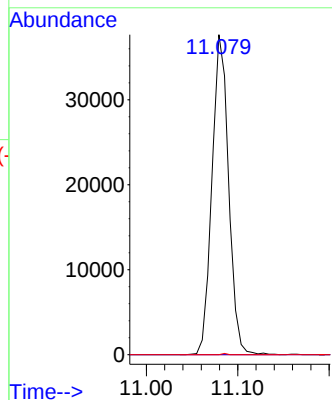
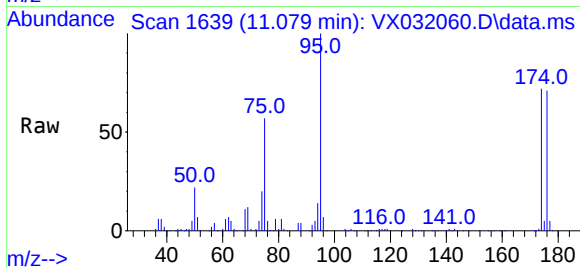




#81
trans-1,4-Dichloro-2-butene
Concen: 103.426 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

Instrument :
MSVOA_X
ClientSampleId :
B6(5-6)

Tgt Ion: 75 Resp: 47476
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.1 37.4 56.0#



#95
Naphthalene
Concen: 0.921 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX032060.D
Acq: 12 Oct 2022 04:42

Tgt Ion: 128 Resp: 5146
Ion Ratio Lower Upper
128 100
127 14.1 10.4 15.6
129 9.4 8.8 13.2

