

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
 Data File : VX006478.D
 Acq On : 13 Dec 2018 06:52
 Operator : JC/MD
 Sample : J6340-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-05A

Quant Time: Dec 13 07:46:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	676666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1060009	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	990829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	474235	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	357585	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
35) Dibromofluoromethane	5.51	113	321737	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	
50) Toluene-d8	8.71	98	1262549	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
62) 4-Bromofluorobenzene	11.13	95	464906	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	

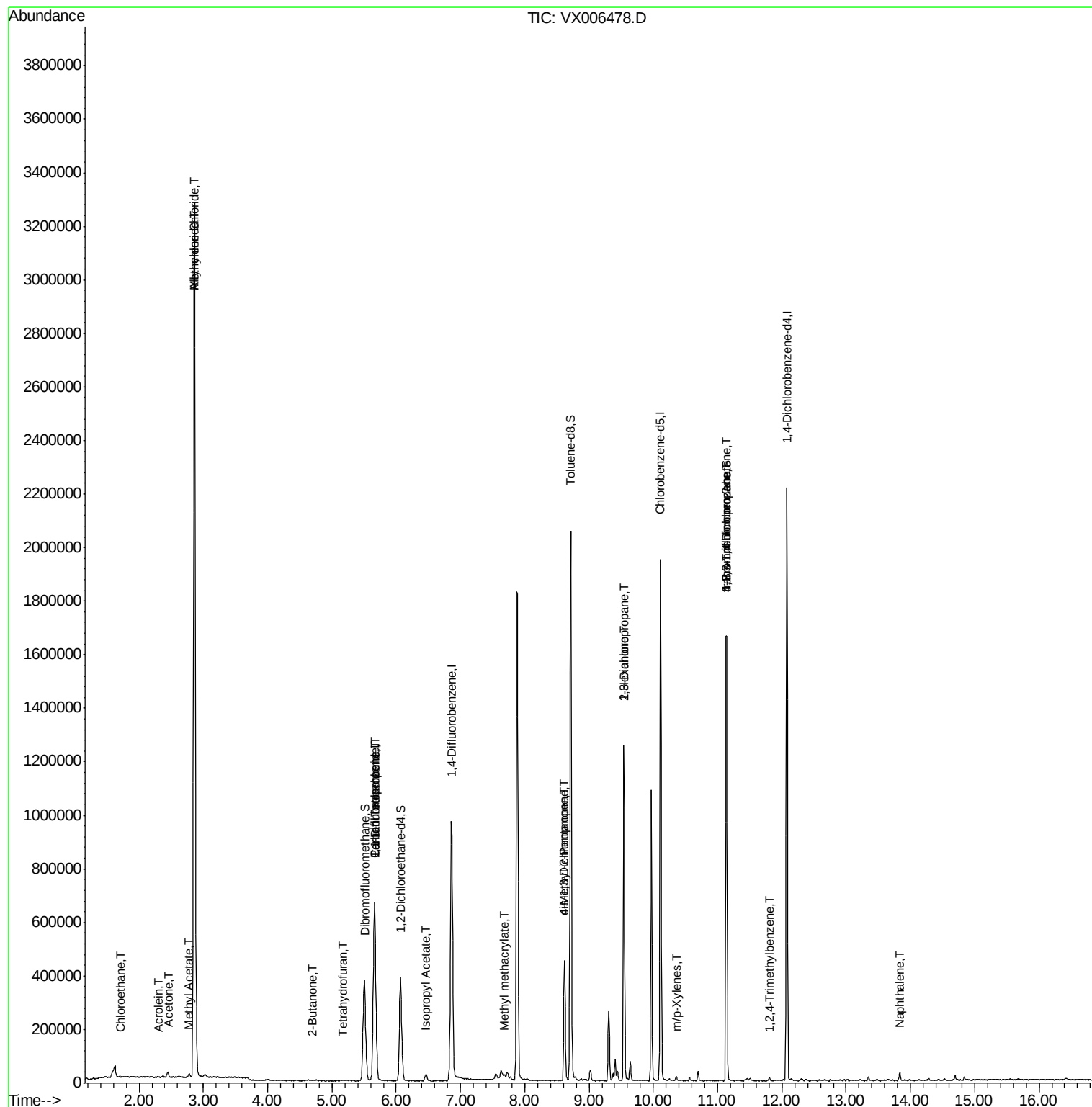
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	1231	0.274	ug/l #	55
13) Acrolein	2.31	56	211	0.204	ug/l	86
14) Allyl chloride	2.86	41	51991	4.298	ug/l #	27
16) Acetone	2.45	43	21910	6.759	ug/l	94
18) Methyl Acetate	2.78	43	17262	1.592	ug/l #	85
20) Methylene Chloride	2.86	84	1546528	224.161	ug/l	93
25) 2-Butanone	4.71	43	3696	0.799	ug/l	94
29) Tetrahydrofuran	5.18	42	1573	0.489	ug/l #	55
36) 1,1-Dichloropropene	5.67	75	43759	4.902	ug/l #	47
38) Carbon Tetrachloride	5.66	117	62438	5.946	ug/l #	16
43) Isopropyl Acetate	6.46	43	31108	1.866	ug/l	96
48) Methyl methacrylate	7.68	41	16896	2.084	ug/l #	13
51) 4-Methyl-2-Pentanone	8.62	43	145002	14.945	ug/l #	49
54) cis-1,3-Dichloropropene	8.62	75	80116	6.942	ug/l #	59
57) 1,3-Dichloropropane	9.54	76	11355	1.005	ug/l #	45
59) 2-Hexanone	9.54	43	133698	18.036	ug/l #	52
68) m/p-Xylenes	10.35	106	4299	0.307	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	215467	23.539	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	215467	55.240	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.80	105	6001	0.213	ug/l	93
95) Naphthalene	13.83	128	20004	0.549	ug/l	97

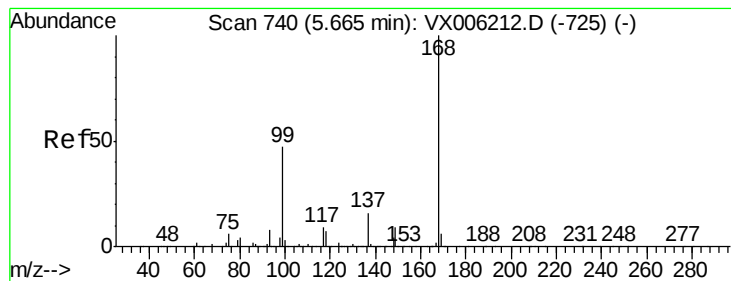
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 13 07:46:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006478.D

Acq: 13 Dec 2018 06:52

Instrument :

MSVOA_X

ClientSampleId :

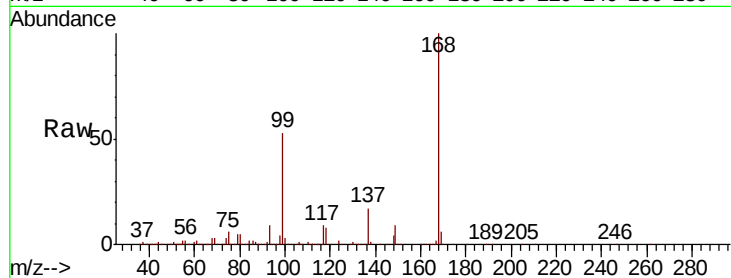
SB-05A

Tot Ion:168 Resp: 676666

Ion Ratio Lower Upper

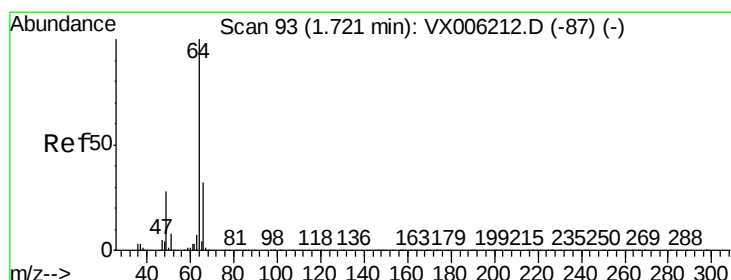
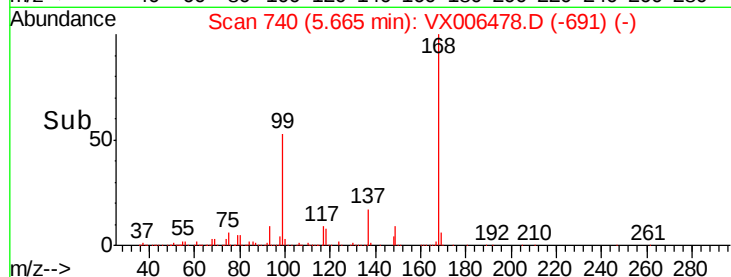
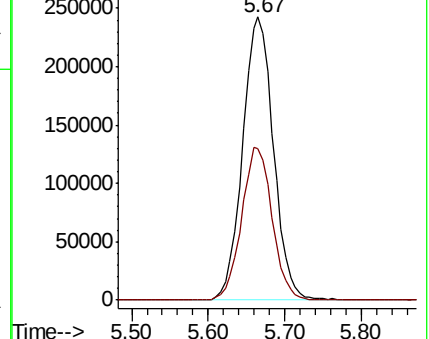
168 100

99 53.5 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.274 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX006478.D

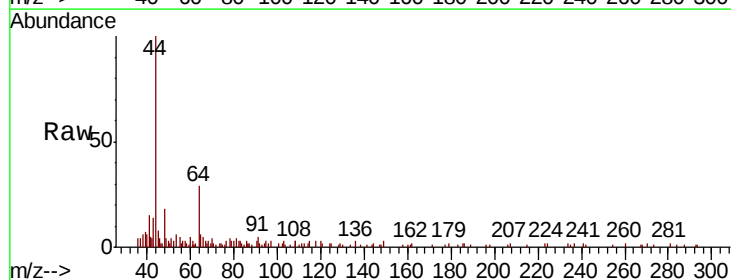
Acq: 13 Dec 2018 06:52

Tgt Ion: 64 Resp: 1231

Ion Ratio Lower Upper

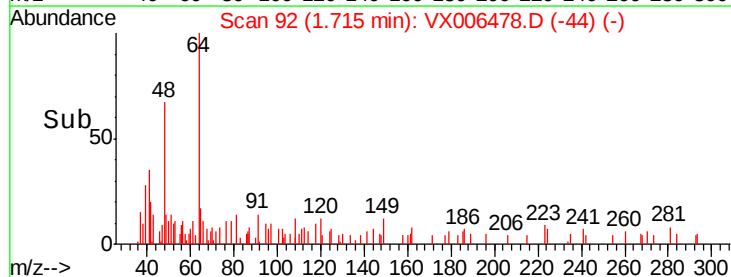
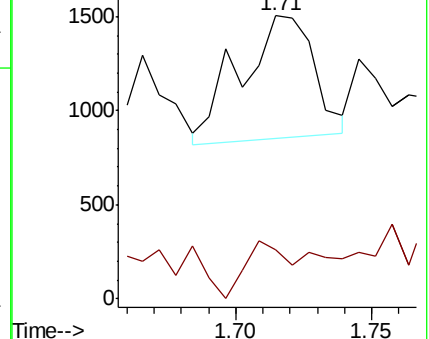
64 100

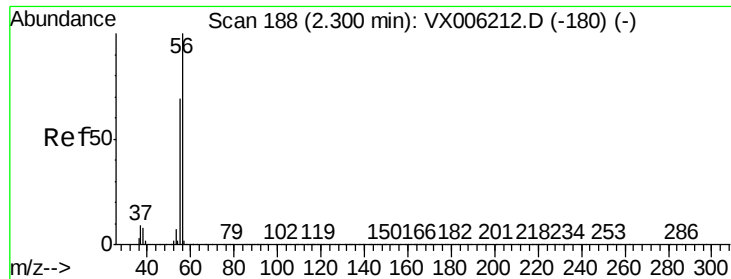
66 7.2 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

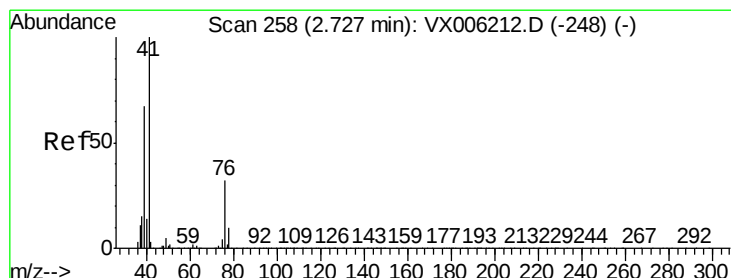
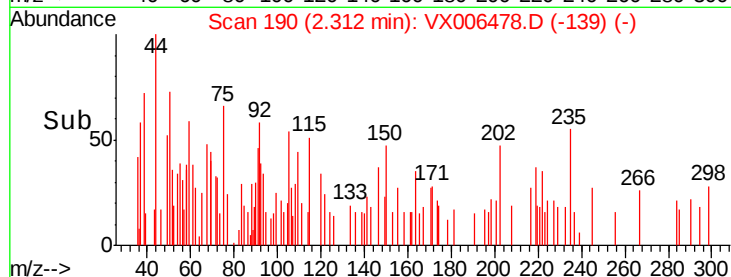
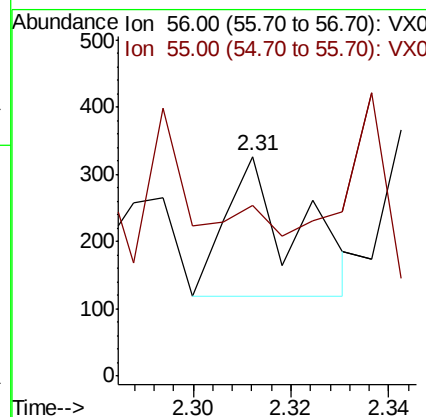
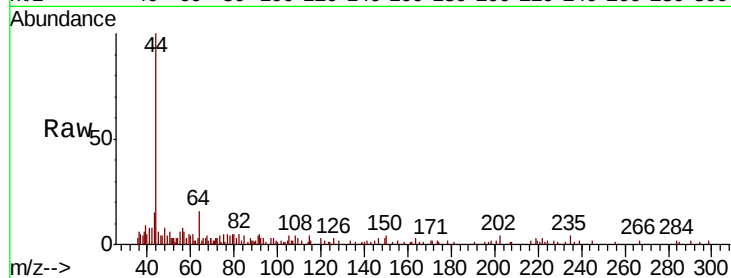




#13
Acrolein
Concen: 0.204 ug/l
RT: 2.31 min Scan# 190
Delta R.T. 0.01 min
Lab File: VX006478.D
Acq: 13 Dec 2018 06:52

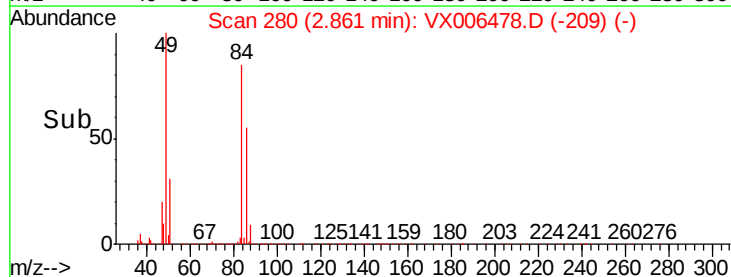
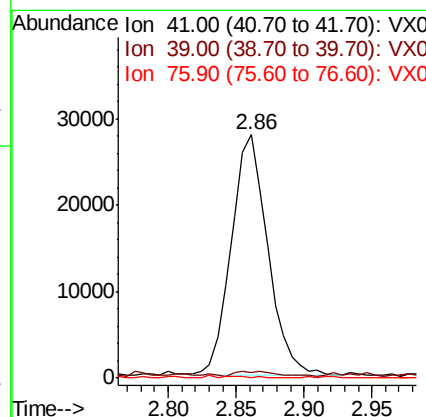
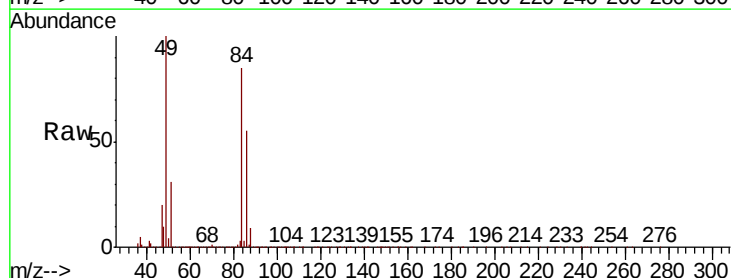
Instrument :
MSVOA_X
ClientSampled :
SB-05A

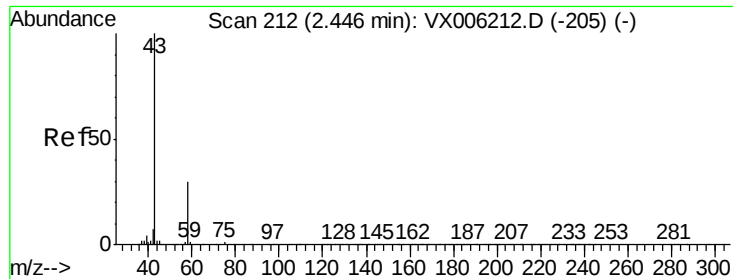
Tot Ion: 56 Resp: 211
Ion Ratio Lower Upper
56 100
55 60.2 57.8 86.6



#14
Allyl chloride
Concen: 4.298 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.13 min
Lab File: VX006478.D
Acq: 13 Dec 2018 06:52

Tgt Ion: 41 Resp: 51991
Ion Ratio Lower Upper
41 100
39 2.0 52.4 78.6#
76 0.0 25.4 38.0#

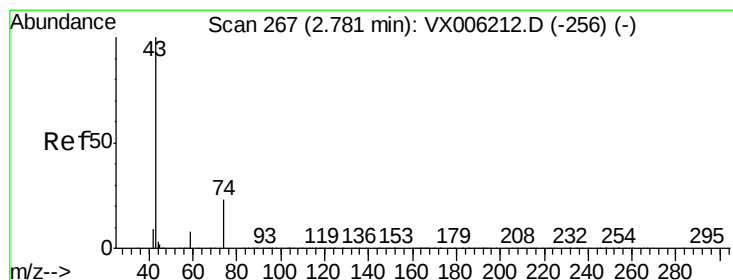
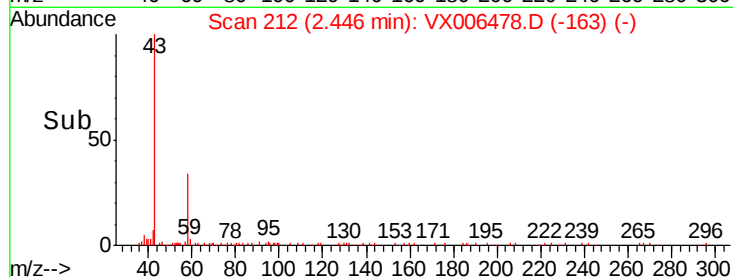
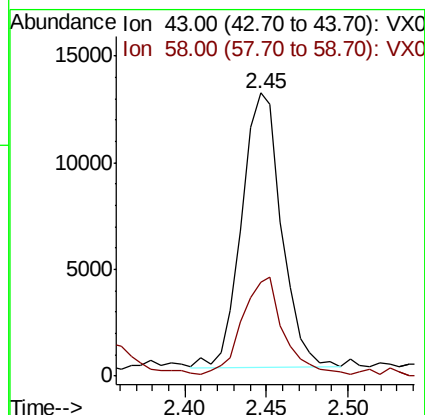
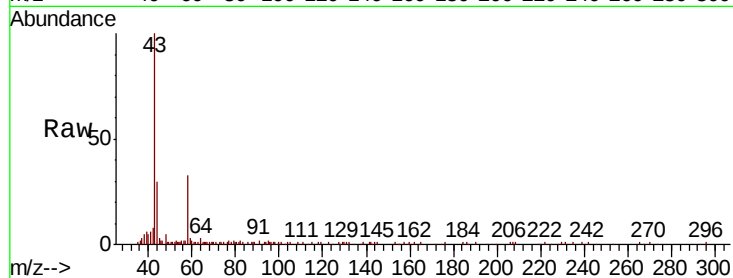




#16
Acetone
Concen: 6.759 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006478.D
Acq: 13 Dec 2018 06:52

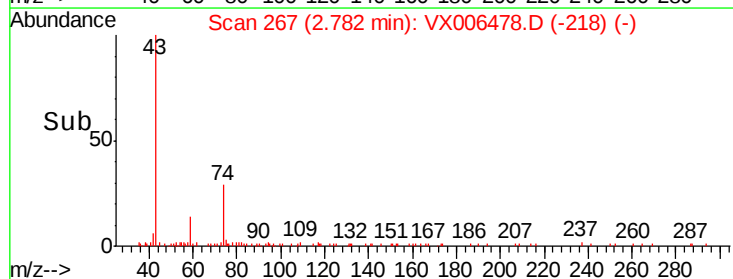
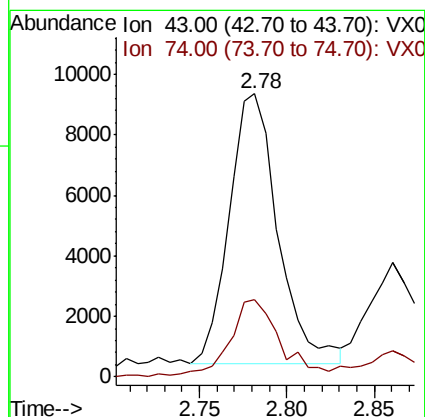
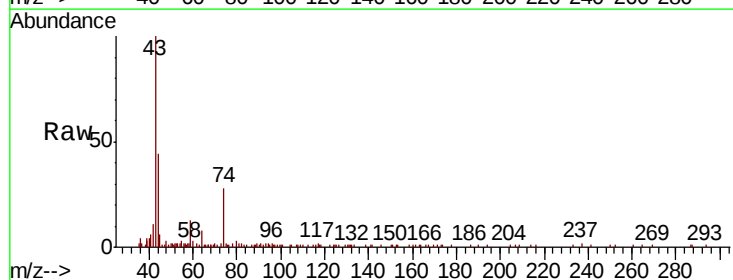
Instrument :
MSVOA_X
ClientSampleId :
SB-05A

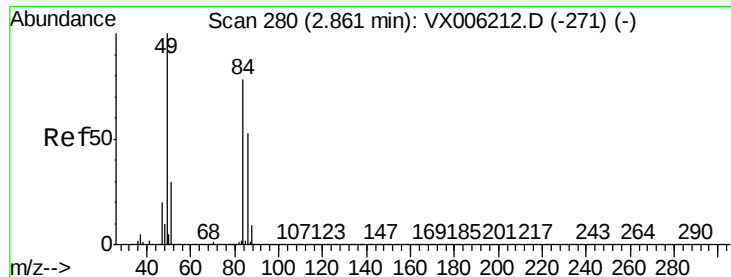
Tot Ion: 43 Resp: 21910
Ion Ratio Lower Upper
43 100
58 33.0 24.0 36.0



#18
Methyl Acetate
Concen: 1.592 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX006478.D
Acq: 13 Dec 2018 06:52

Tgt Ion: 43 Resp: 17262
Ion Ratio Lower Upper
43 100
74 29.8 17.9 26.9#





#20

Methylene Chloride

Concen: 224.161 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX006478.D

Acq: 13 Dec 2018 06:52

Instrument :

MSVOA_X

ClientSampled :

SB-05A

Tot Ion: 84 Resp: 1546528

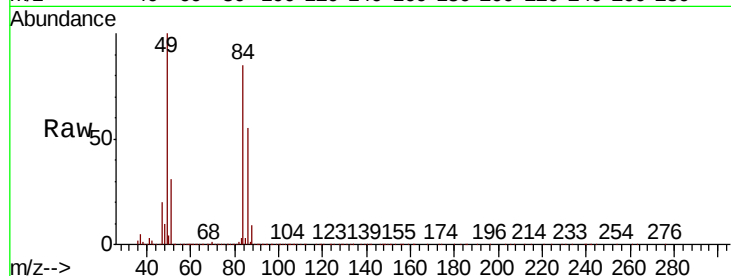
Ion Ratio Lower Upper

84 100

49 117.2 102.2 153.4

51 36.8 31.1 46.7

86 64.0 53.7 80.5

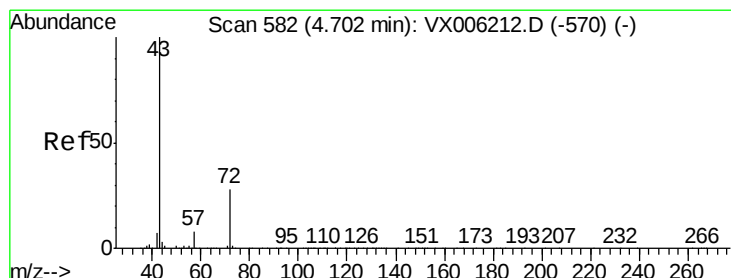
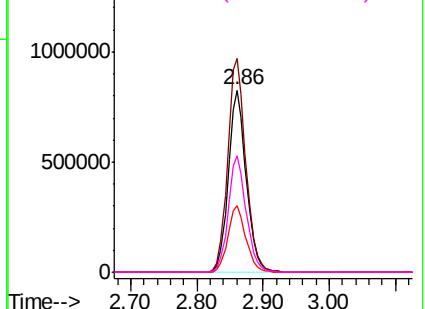
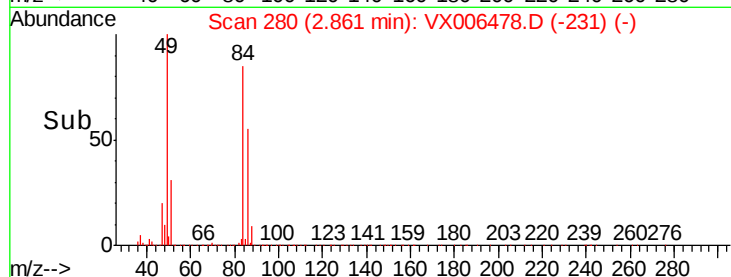


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.799 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX006478.D

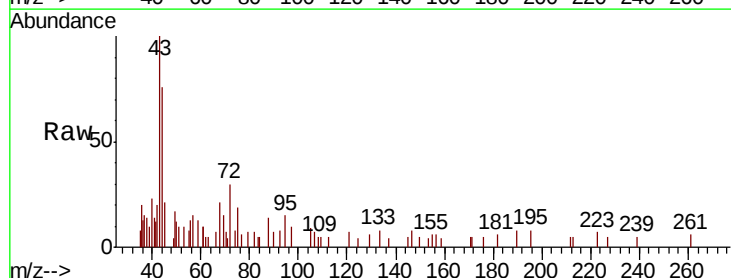
Acq: 13 Dec 2018 06:52

Tgt Ion: 43 Resp: 3696

Ion Ratio Lower Upper

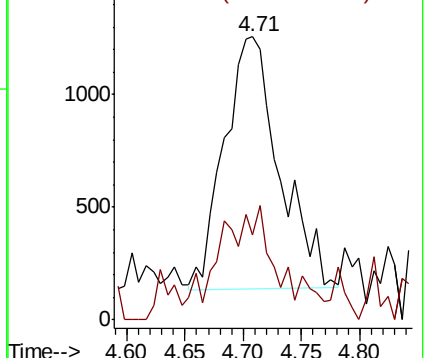
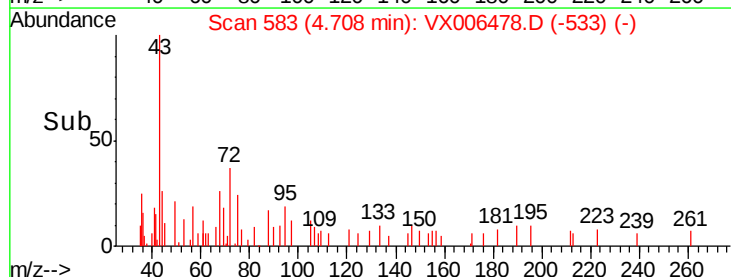
43 100

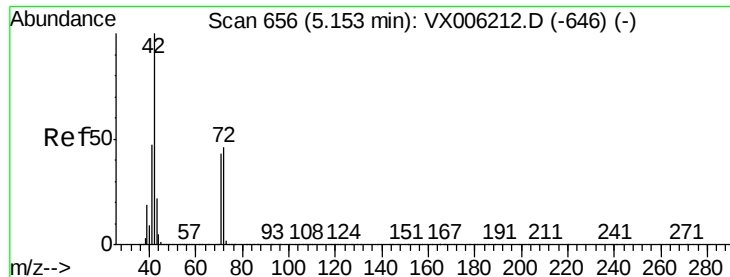
72 25.2 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.489 ug/l

RT: 5.18 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX006478.D

Acq: 13 Dec 2018 06:52

Instrument :

MSVOA_X

ClientSampled :

SB-05A

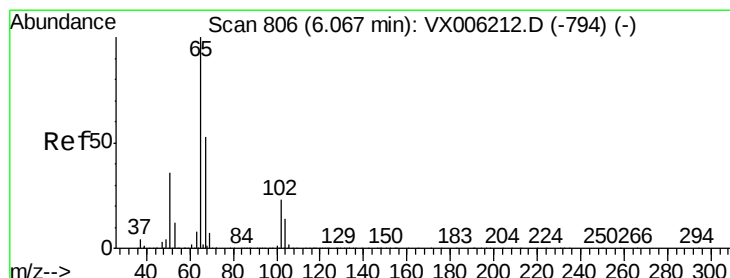
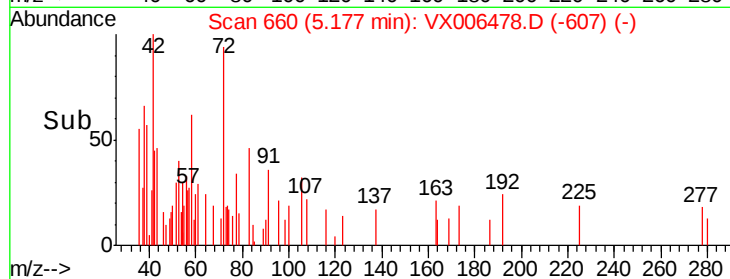
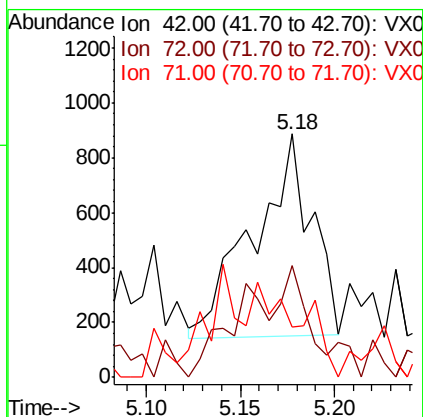
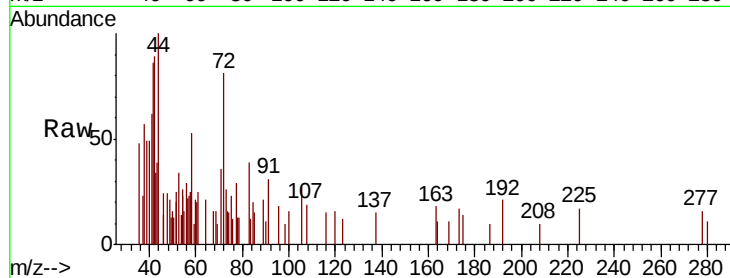
Tot Ion: 42 Resp: 1573

Ion Ratio Lower Upper

42 100

72 32.0 37.8 56.8#

71 0.0 35.2 52.8#



#33

1,2-Dichloroethane-d4

Concen: 51.766 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006478.D

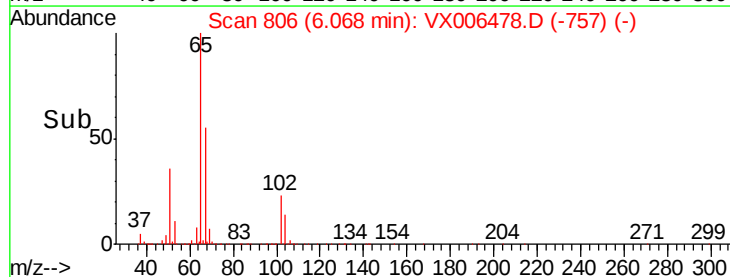
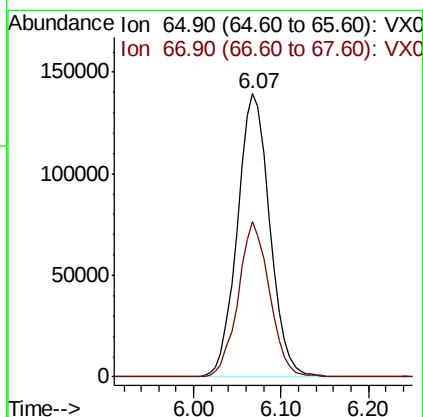
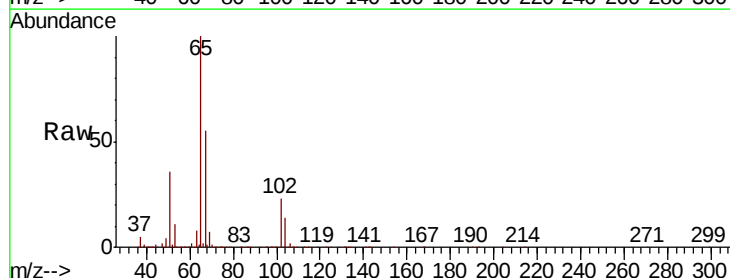
Acq: 13 Dec 2018 06:52

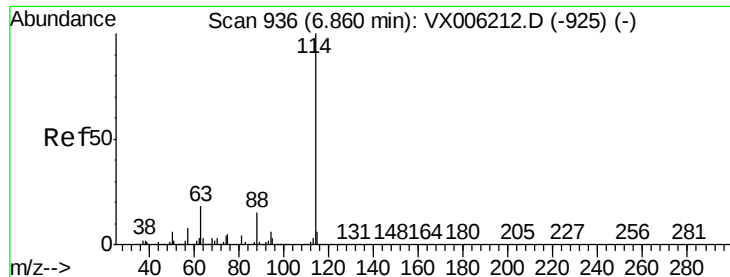
Tgt Ion: 65 Resp: 357585

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006478.D

Acq: 13 Dec 2018 06:52

Instrument :

MSVOA_X

ClientSampleId :

SB-05A

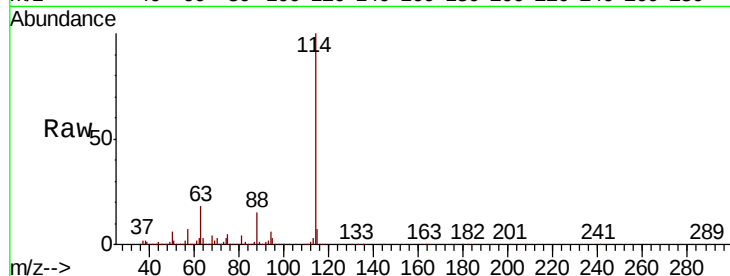
Tot Ion:114 Resp: 1060009

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.6

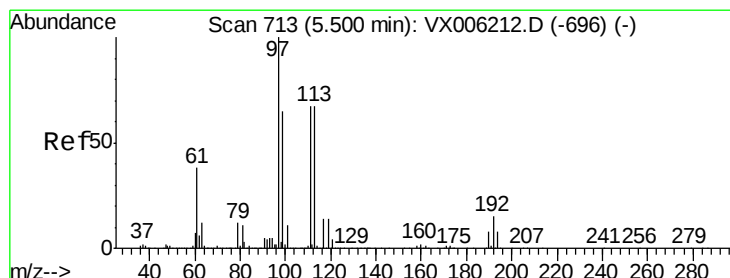
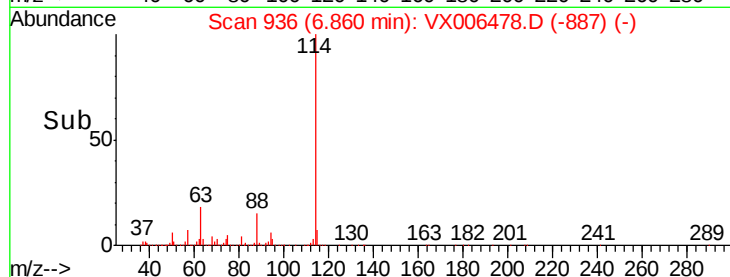
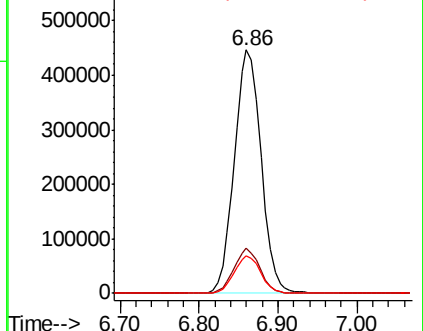
88 15.3 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.879 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006478.D

Acq: 13 Dec 2018 06:52

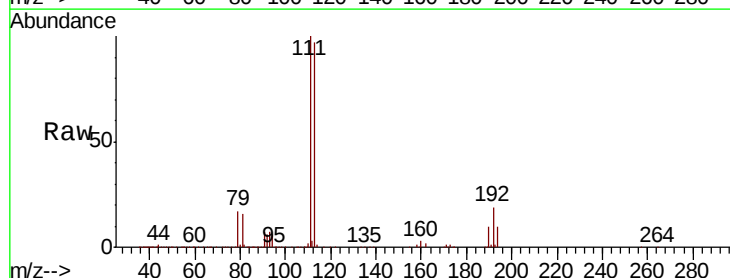
Tgt Ion:113 Resp: 321737

Ion Ratio Lower Upper

113 100

111 103.0 81.1 121.7

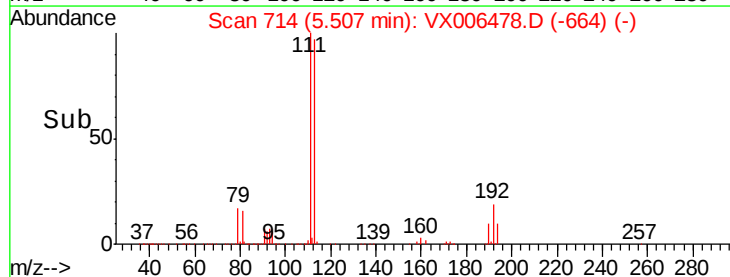
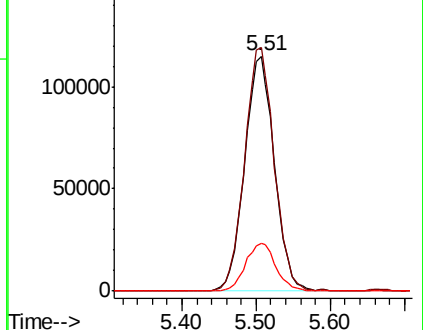
192 20.7 18.2 27.2

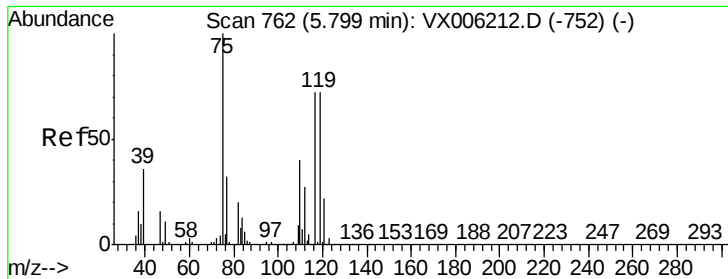


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

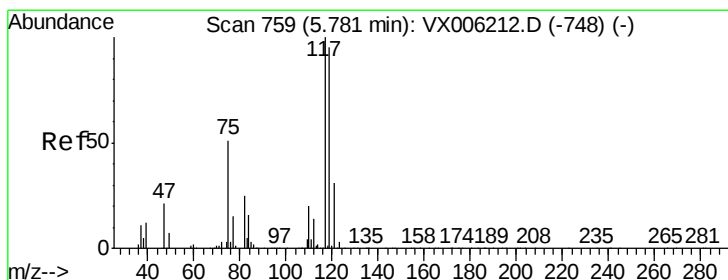
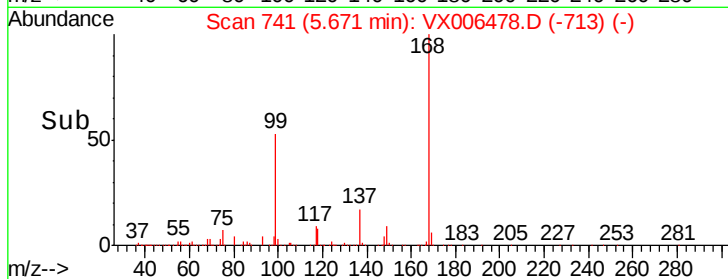
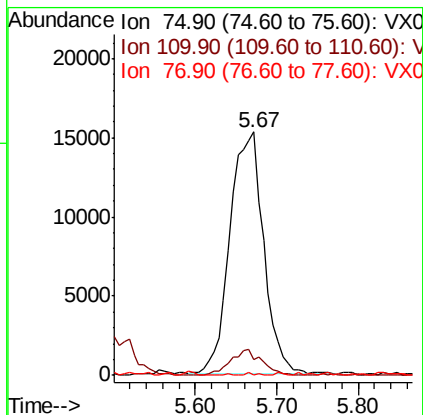
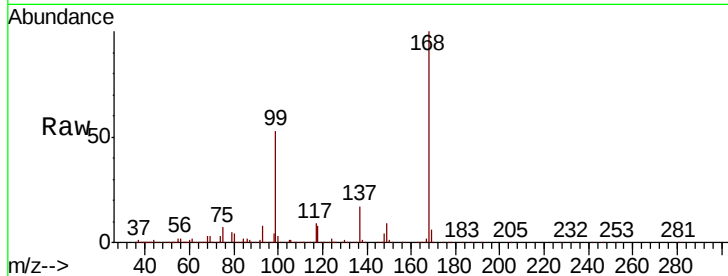




#36
 1,1-Dichloropropene
 Concen: 4.902 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.13 min
 Lab File: VX006478.D
 Acq: 13 Dec 2018 06:52

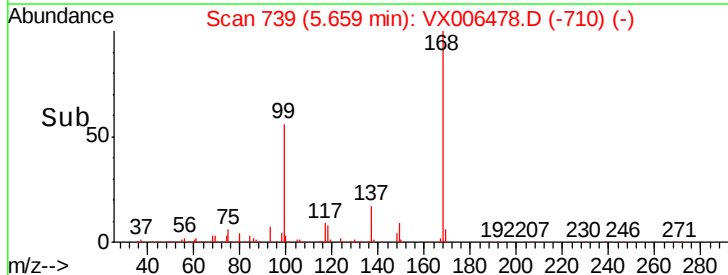
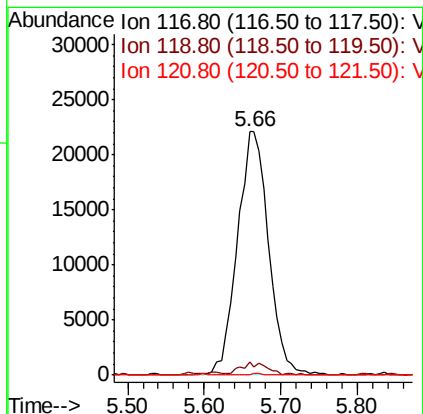
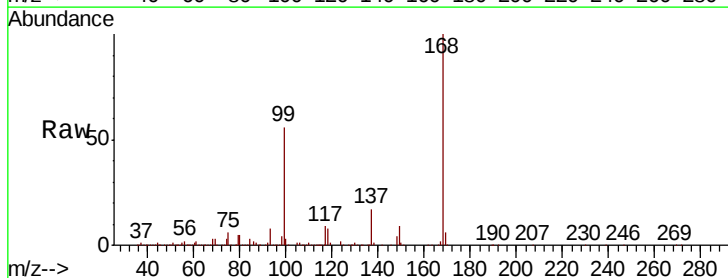
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-05A

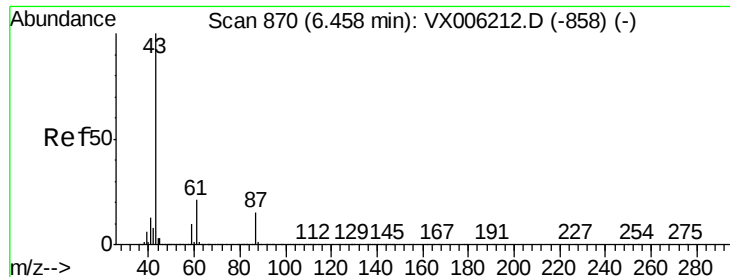
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	20.4	61.3#
77	0.2	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.946 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX006478.D
 Acq: 13 Dec 2018 06:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	75.8	113.8#
121	0.0	24.6	37.0#





#43

Isopropyl Acetate

Concen: 1.866 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006478.D

Acq: 13 Dec 2018 06:52

Instrument :

MSVOA_X

ClientSampleId :

SB-05A

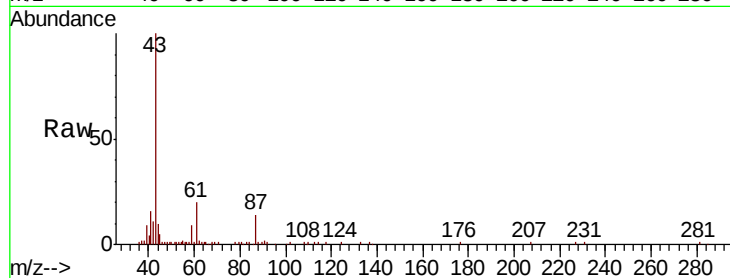
Tot Ion: 43 Resp: 31108

Ion Ratio Lower Upper

43 100

61 23.0 16.8 25.2

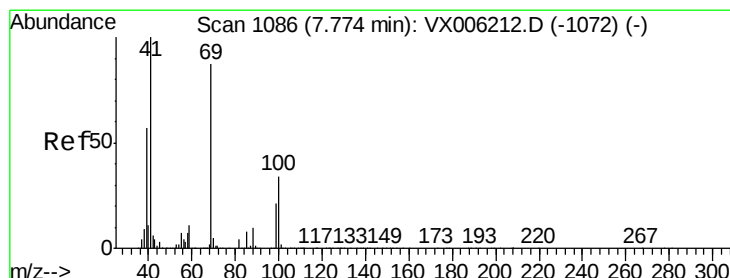
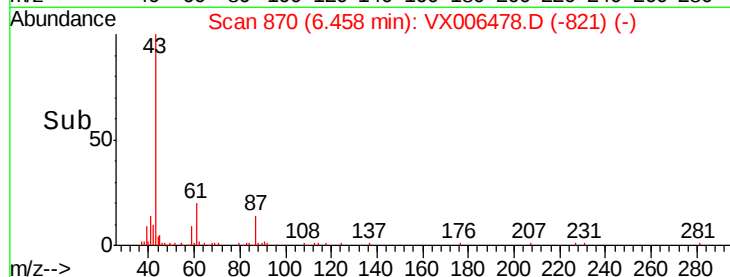
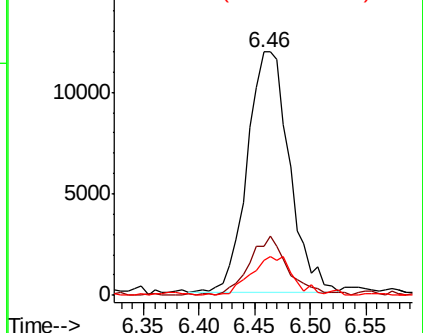
87 16.2 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 2.084 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.09 min

Lab File: VX006478.D

Acq: 13 Dec 2018 06:52

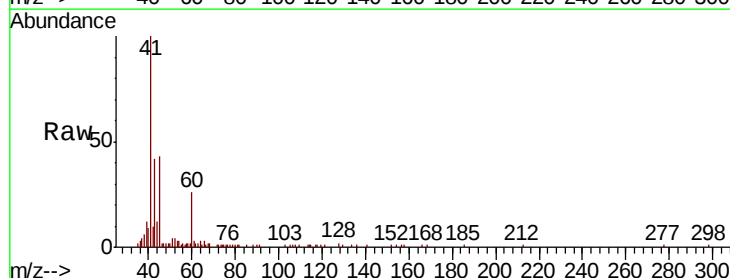
Tgt Ion: 41 Resp: 16896

Ion Ratio Lower Upper

41 100

69 1.2 70.3 105.5#

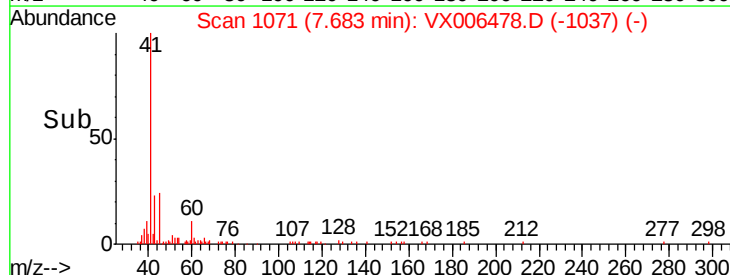
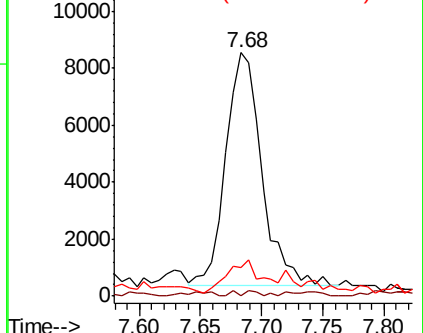
39 0.0 45.3 67.9#

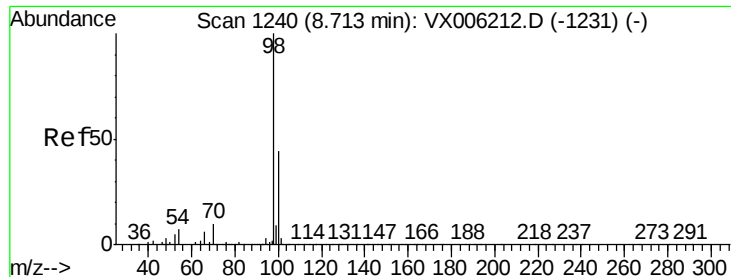


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#50

Toluene-d8

Concen: 50.575 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006478.D

Acq: 13 Dec 2018 06:52

Instrument :

MSVOA_X

ClientSampleId :

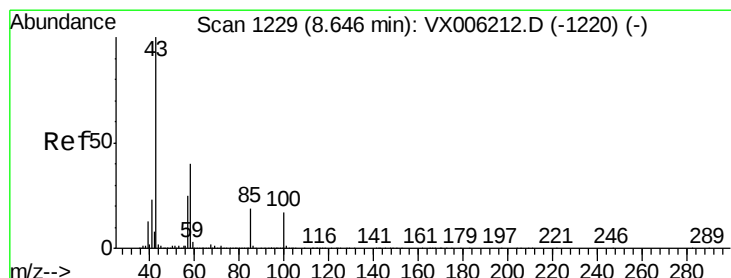
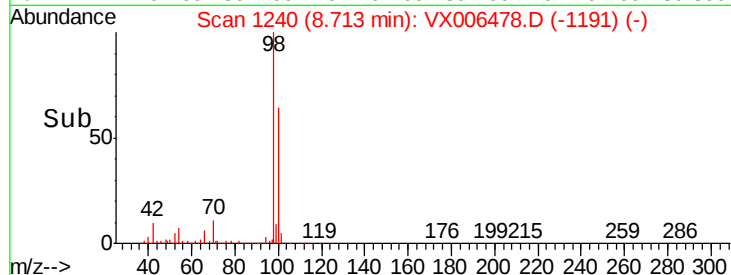
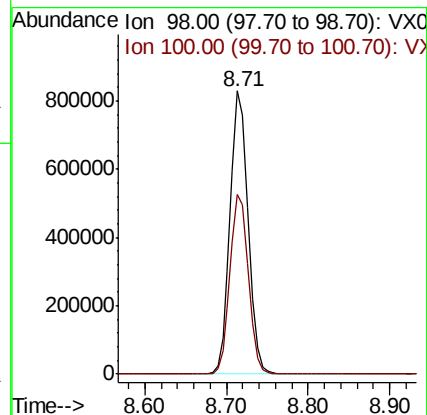
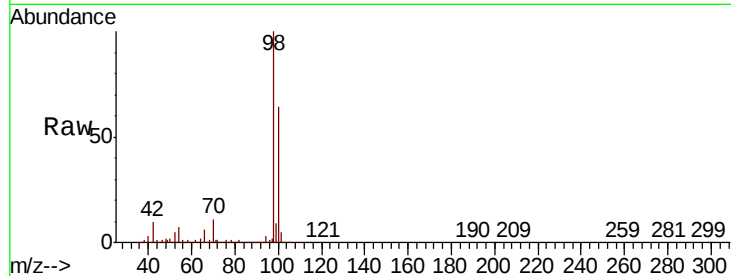
SB-05A

Tot Ion: 98 Resp: 1262549

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 14.945 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX006478.D

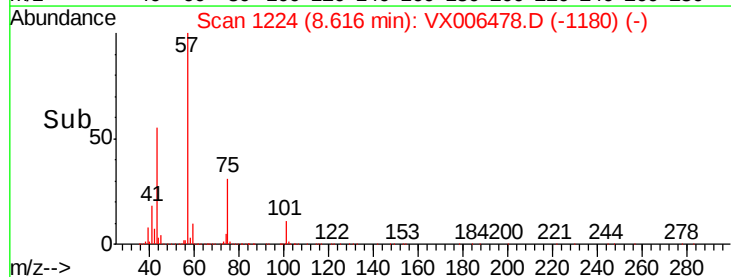
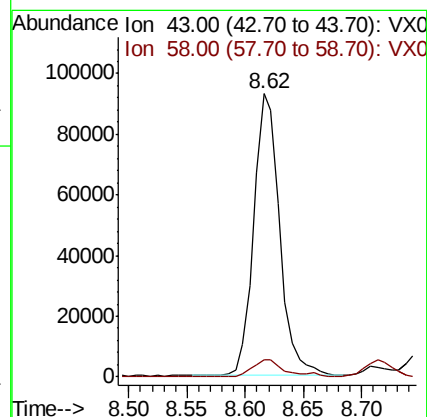
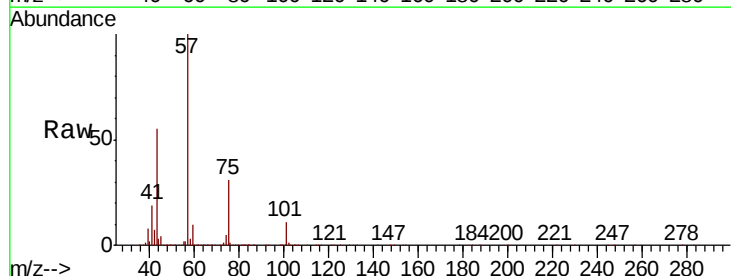
Acq: 13 Dec 2018 06:52

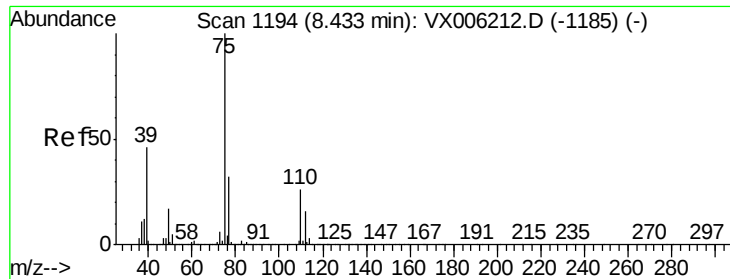
Tgt Ion: 43 Resp: 145002

Ion Ratio Lower Upper

43 100

58 7.9 31.3 46.9#





#54

cis-1,3-Dichloropropene

Concen: 6.942 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX006478.D

Acq: 13 Dec 2018 06:52

Instrument :

MSVOA_X

ClientSampleId :

SB-05A

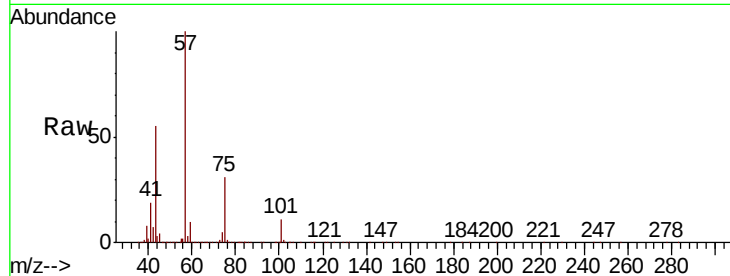
Tot Ion: 75 Resp: 80116

Ion Ratio Lower Upper

75 100

77 0.7 25.6 38.4#

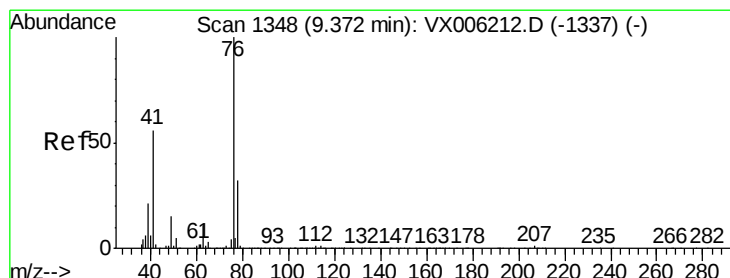
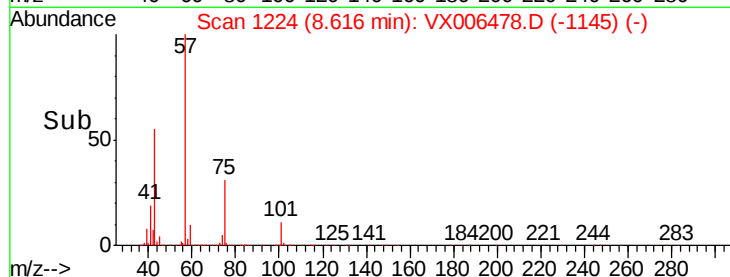
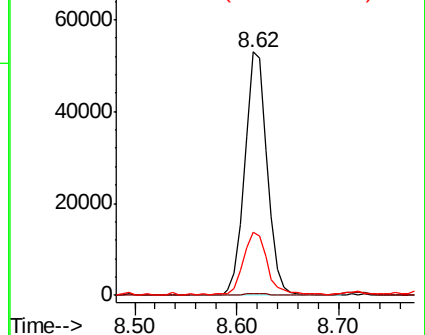
39 25.3 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropene

Concen: 1.005 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX006478.D

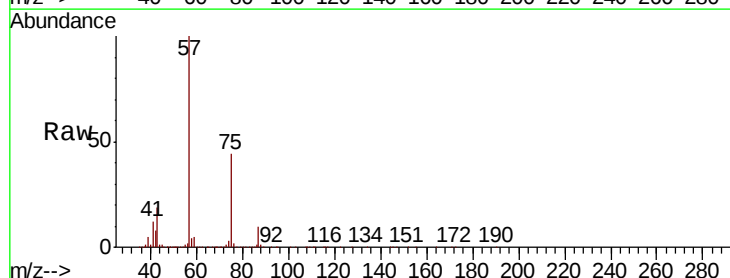
Acq: 13 Dec 2018 06:52

Tgt Ion: 76 Resp: 11355

Ion Ratio Lower Upper

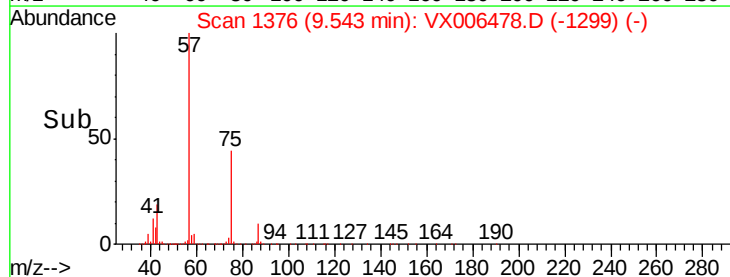
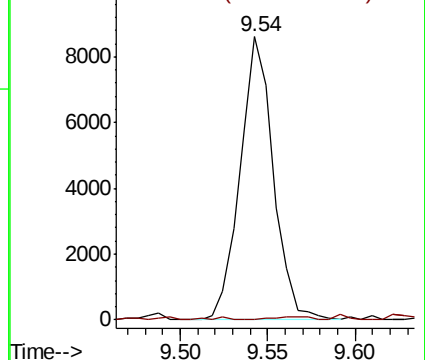
76 100

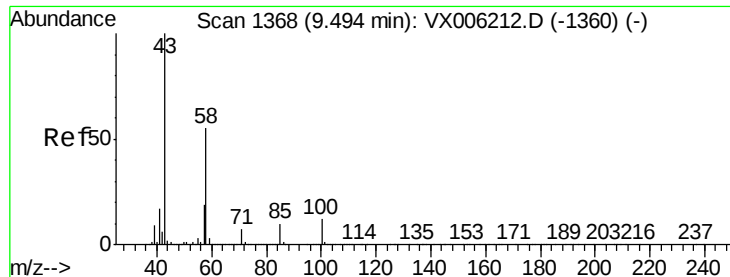
78 1.4 26.1 39.1#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#59

2-Hexanone

Concen: 18.036 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX006478.D

Acq: 13 Dec 2018 06:52

Instrument :

MSVOA_X

ClientSampleId :

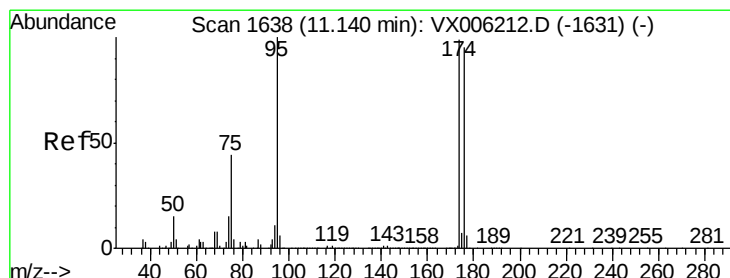
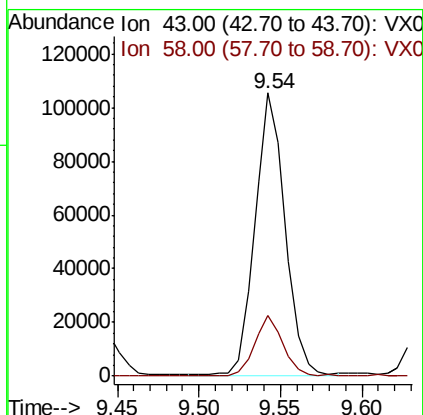
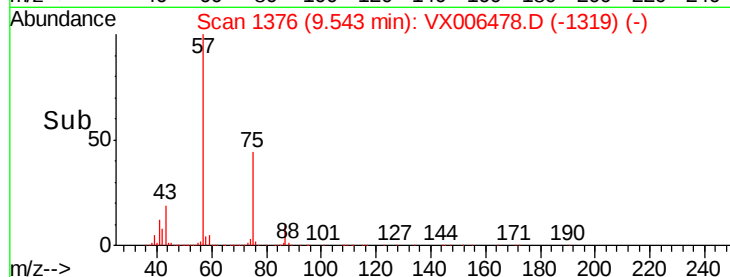
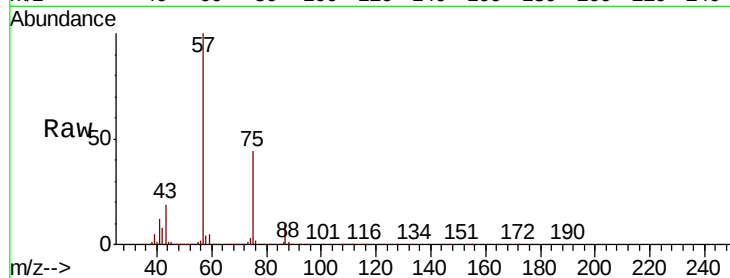
SB-05A

Tot Ion: 43 Resp: 133698

Ion Ratio Lower Upper

43 100

58 20.3 27.7 83.1#



#62

4-Bromofluorobenzene

Concen: 49.420 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006478.D

Acq: 13 Dec 2018 06:52

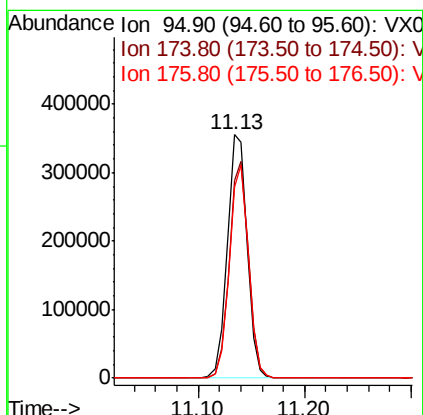
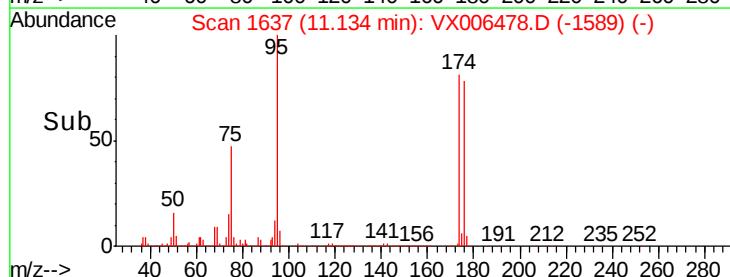
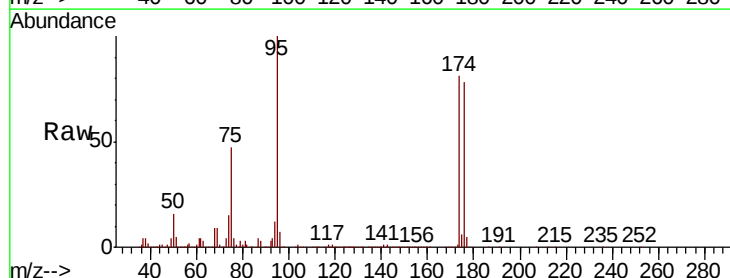
Tgt Ion: 95 Resp: 464906

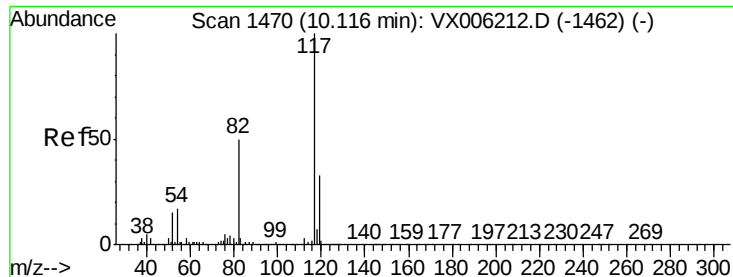
Ion Ratio Lower Upper

95 100

174 86.5 0.0 187.0

176 84.6 0.0 181.8

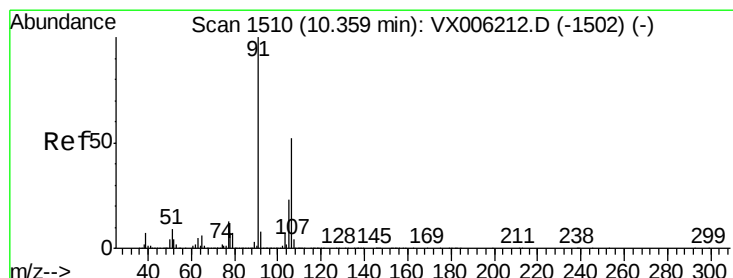
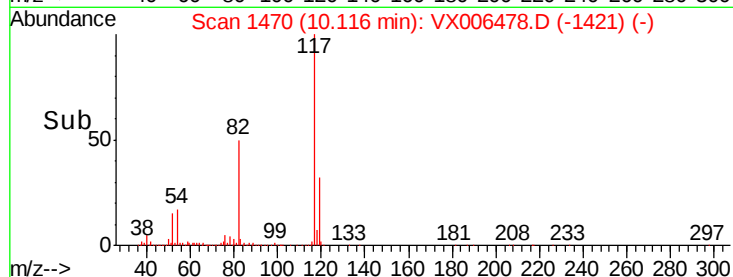
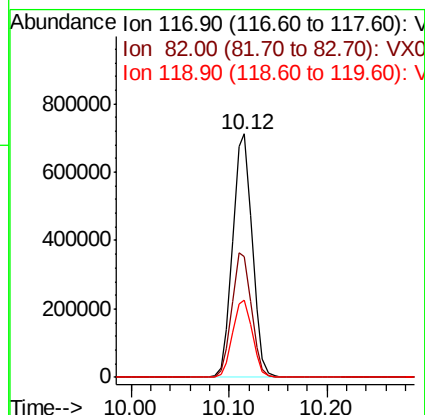
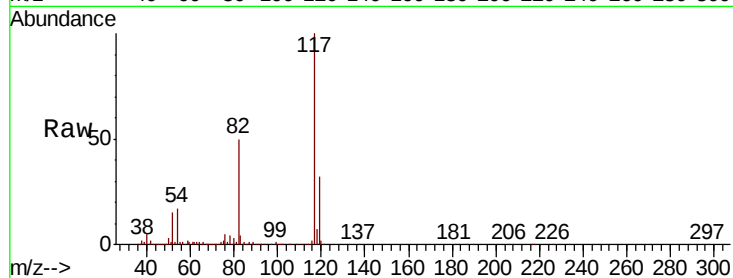




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006478.D
Acq: 13 Dec 2018 06:52

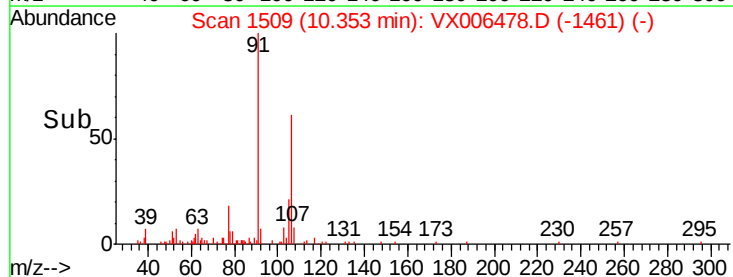
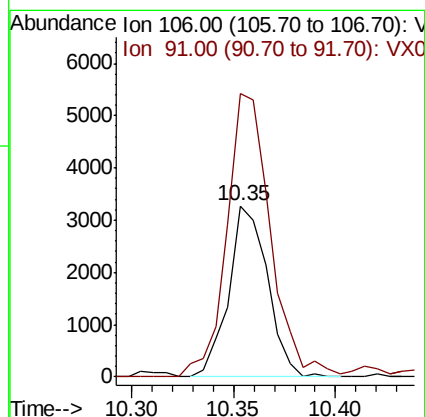
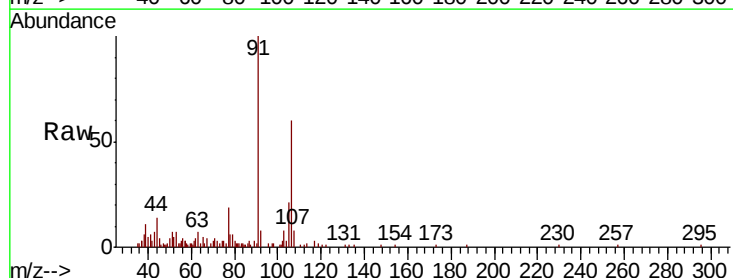
Instrument :
MSVOA_X
ClientSampleId :
SB-05A

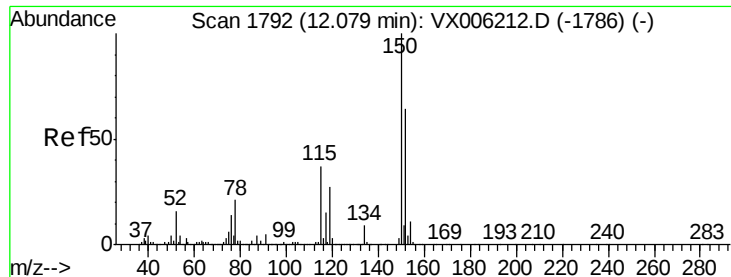
Tot Ion:117 Resp: 990829
Ion Ratio Lower Upper
117 100
82 49.6 39.6 59.4
119 31.9 26.3 39.5



#68
m/p-Xylenes
Concen: 0.307 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX006478.D
Acq: 13 Dec 2018 06:52

Tgt Ion:106 Resp: 4299
Ion Ratio Lower Upper
106 100
91 186.4 155.2 232.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006478.D

Acq: 13 Dec 2018 06:52

Instrument :

MSVOA_X

ClientSampleId :

SB-05A

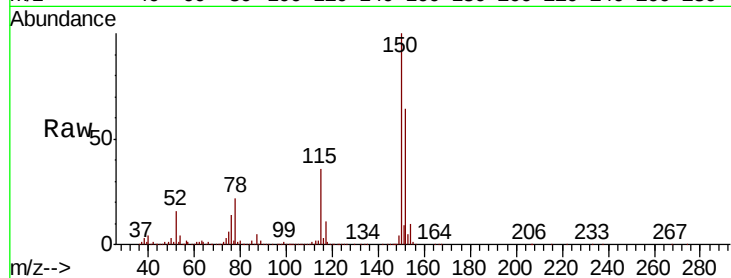
Tot Ion:152 Resp: 474235

Ion Ratio Lower Upper

152 100

115 56.4 39.0 116.9

150 156.8 0.0 345.8

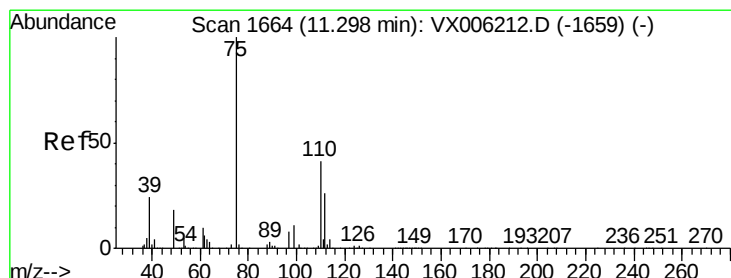
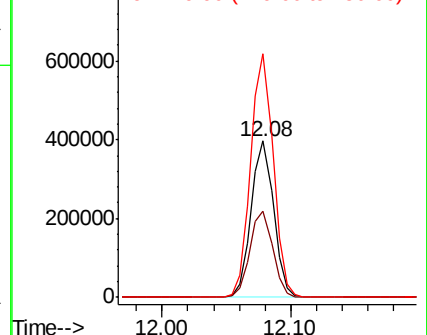
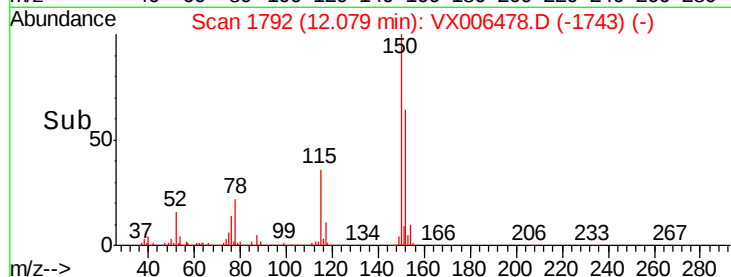


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.539 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006478.D

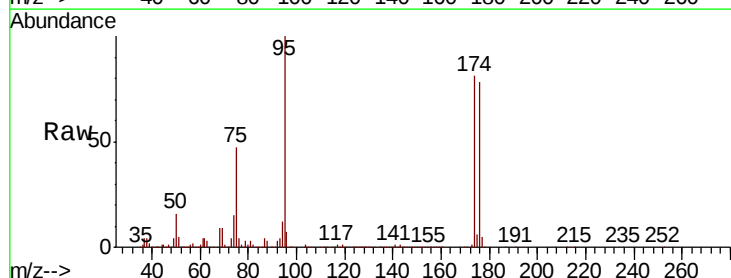
Acq: 13 Dec 2018 06:52

Tgt Ion: 75 Resp: 215467

Ion Ratio Lower Upper

75 100

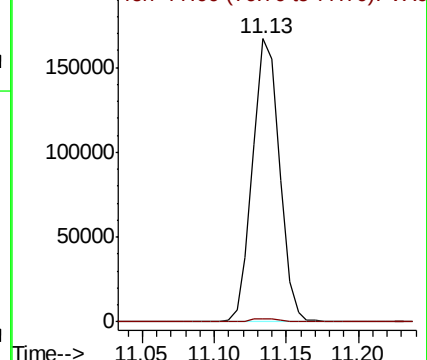
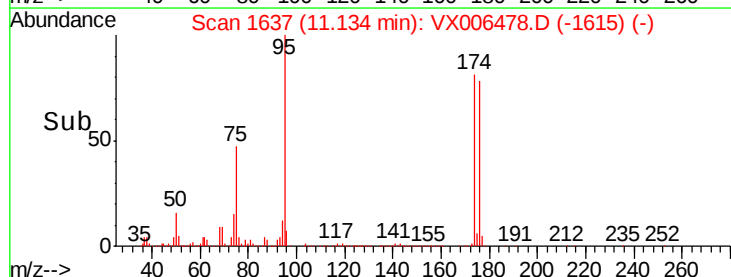
77 1.3 19.9 59.7#

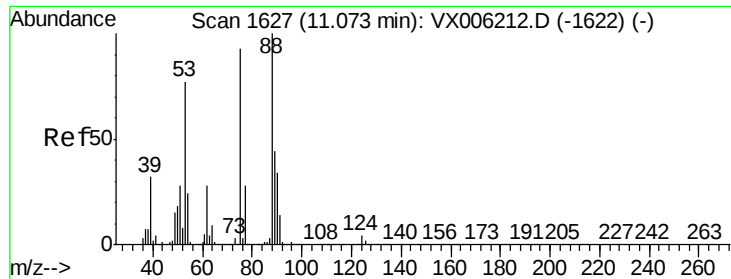


Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 55.240 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006478.D

Acq: 13 Dec 2018 06:52

Instrument :

MSVOA_X

ClientSampleId :

SB-05A

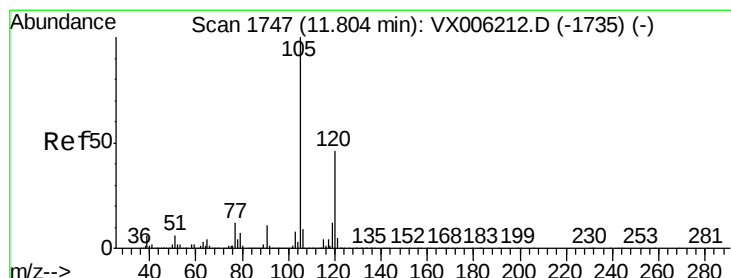
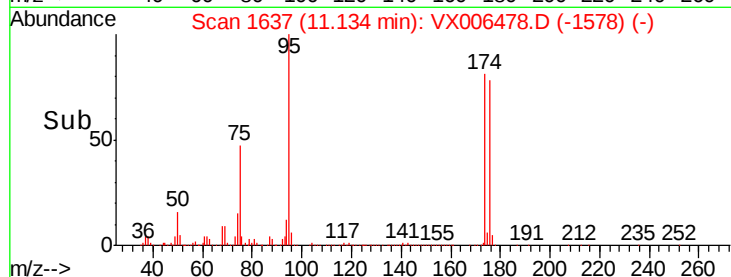
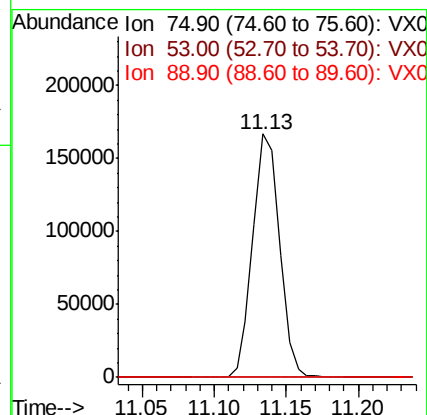
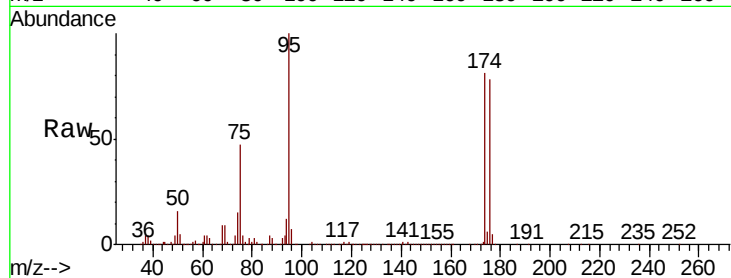
Tot Ion: 75 Resp: 215467

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.0 44.2 66.4#



#84

1,2,4-Trimethylbenzene

Concen: 0.213 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006478.D

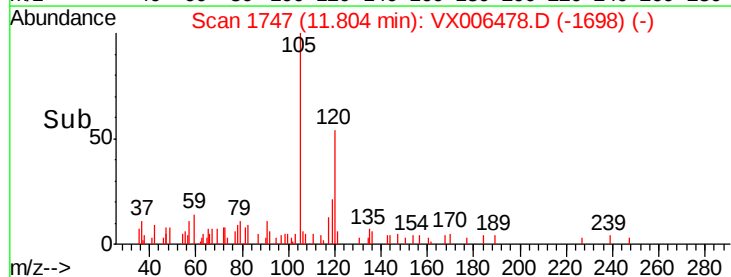
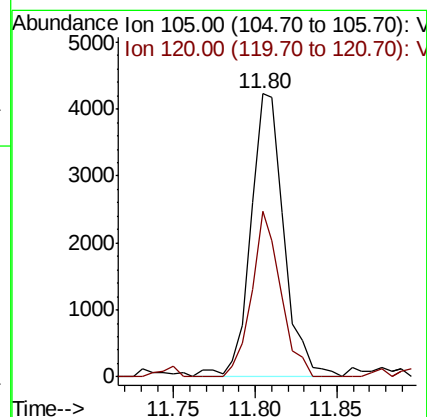
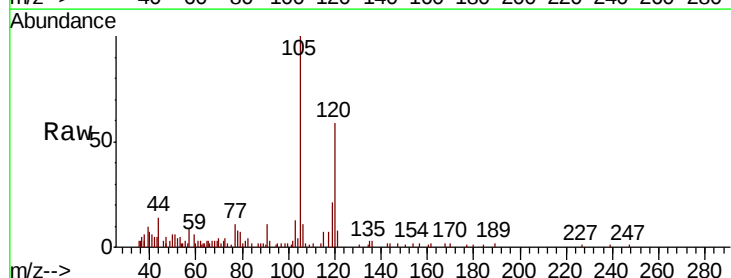
Acq: 13 Dec 2018 06:52

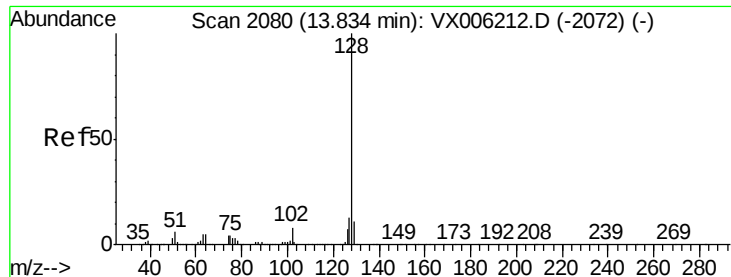
Tgt Ion: 105 Resp: 6001

Ion Ratio Lower Upper

105 100

120 51.1 23.4 70.0





#95

Naphthalene

Concen: 0.549 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006478.D

Acq: 13 Dec 2018 06:52

Instrument :

MSVOA_X

ClientSampleId :

SB-05A

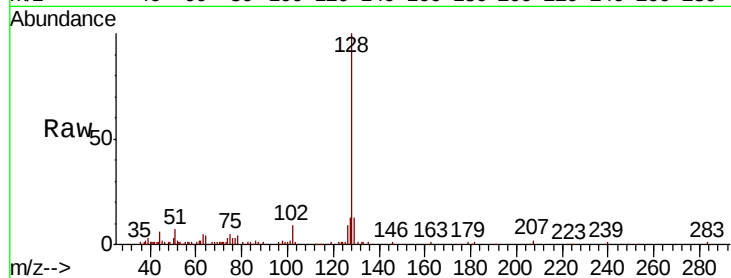
Tot Ion:128 Resp: 20004

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.4

129 12.7 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

