

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
 Data File : VX012049.D
 Acq On : 04 Sep 2019 13:56
 Operator : SY/SP
 Sample : K4546-13
 Misc : 5.24g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-B1-(0)

Quant Time: Sep 04 14:27:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	18624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	30442	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	24765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	9320	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	11723	45.62	ug/l	0.00
Spiked Amount			Recovery	=	91.24%	
35) Dibromofluoromethane	5.49	113	8895	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	
50) Toluene-d8	8.71	98	35171	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
62) 4-Bromofluorobenzene	11.14	95	12951	40.54	ug/l	0.00
Spiked Amount			Recovery	=	81.08%	

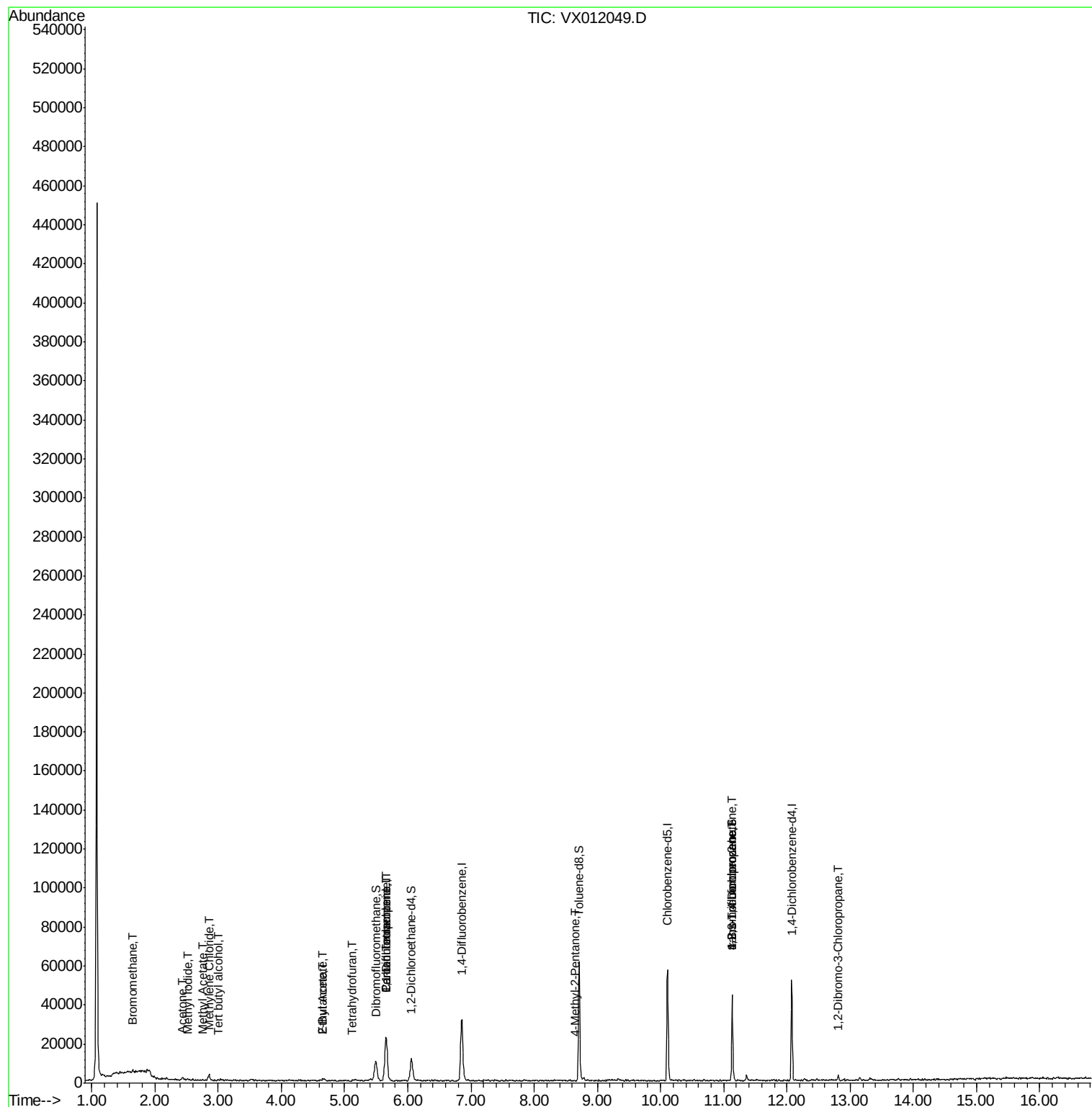
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	422	5.141	ug/l	100
10) Methyl Iodide	2.52	142	261	8.153	ug/l #	89
11) Tert butyl alcohol	3.00	59	127	5.145	ug/l #	73
13) Acrolein	2.24	56	165	Below Cal	#	46
16) Acetone	2.44	43	1802	29.338	ug/l	95
18) Methyl Acetate	2.76	43	535	3.697	ug/l #	51
20) Methylene Chloride	2.85	84	1221	4.950	ug/l #	91
25) 2-Butanone	4.66	43	197	2.520	ug/l #	48
29) Tetrahydrofuran	5.12	42	88	1.868	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	2028	7.564	ug/l #	44
37) Ethyl Acetate	4.66	43	197	1.351	ug/l	99
38) Carbon Tetrachloride	5.65	117	2331	8.251	ug/l #	11
51) 4-Methyl-2-Pentanone	8.65	43	262	1.738	ug/l #	36
76) 1,2,3-Trichloropropane	11.14	75	6625	58.177	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	6625	137.540	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.81	75	90	3.017	ug/l #	1

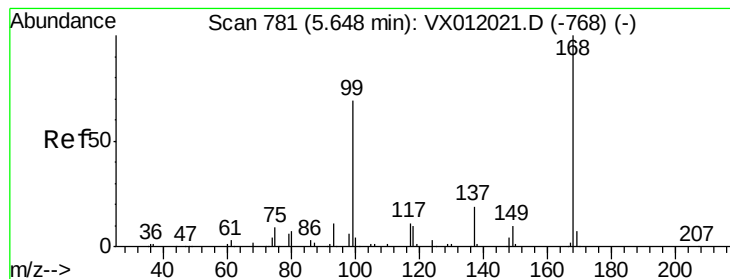
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012049.D

Acq: 04 Sep 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

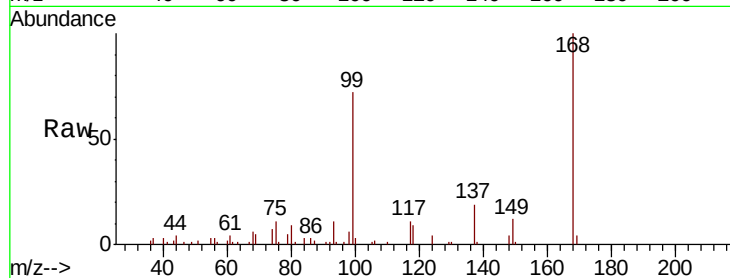
T3-S-B1-(0)

Tgt Ion:168 Resp: 18624

Ion Ratio Lower Upper

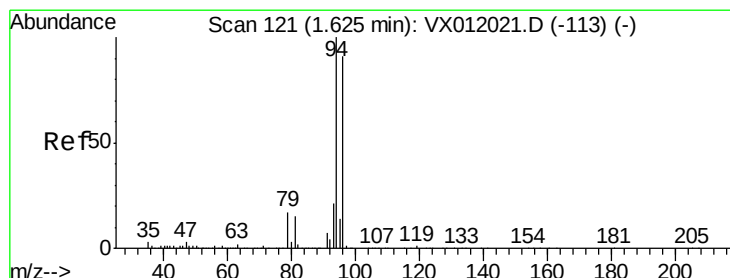
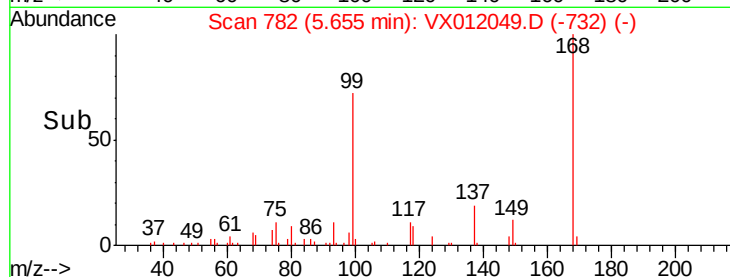
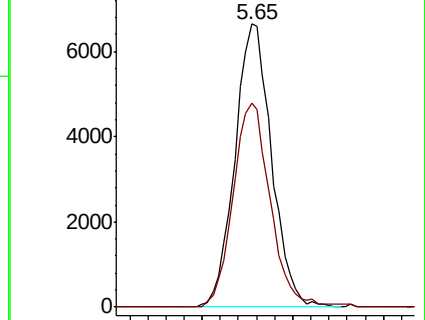
168 100

99 72.0 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 5.141 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.03 min

Lab File: VX012049.D

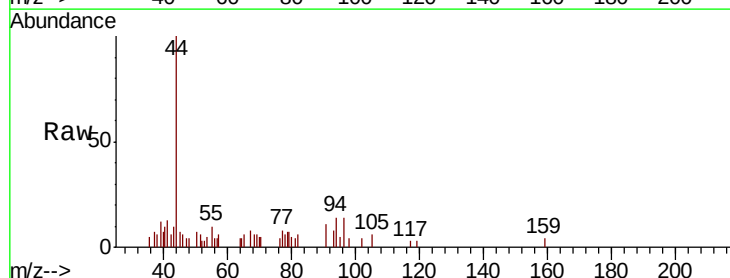
Acq: 04 Sep 2019 13:56

Tgt Ion: 94 Resp: 422

Ion Ratio Lower Upper

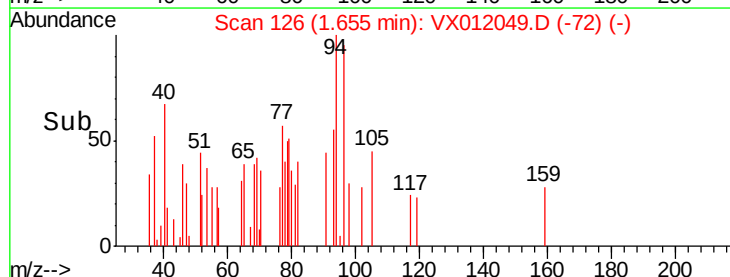
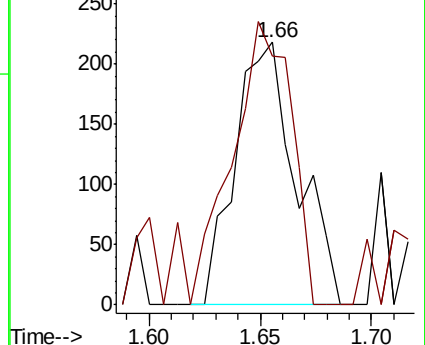
94 100

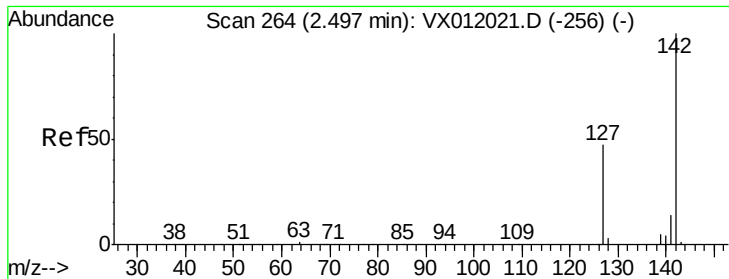
96 95.0 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

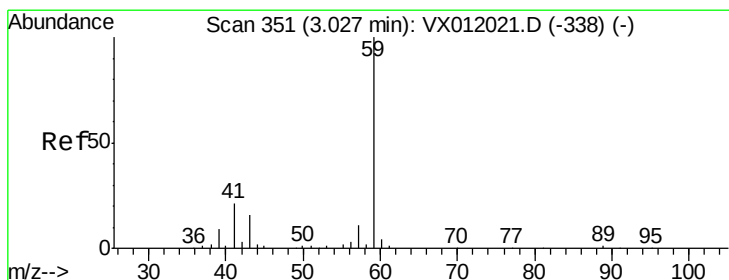
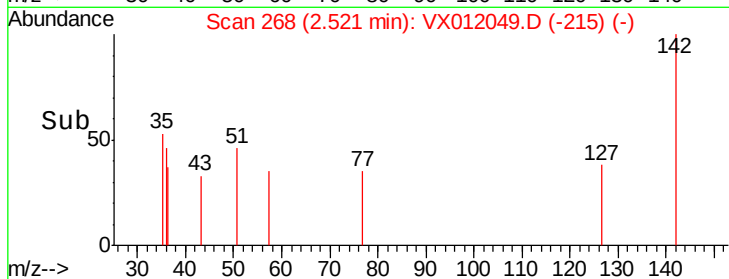
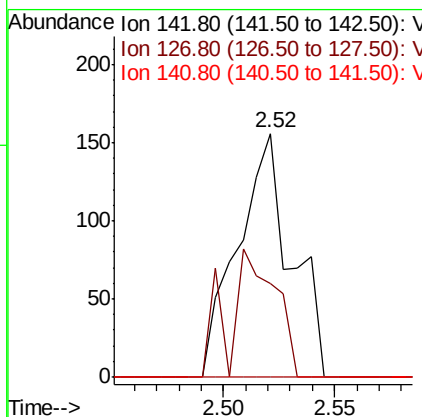
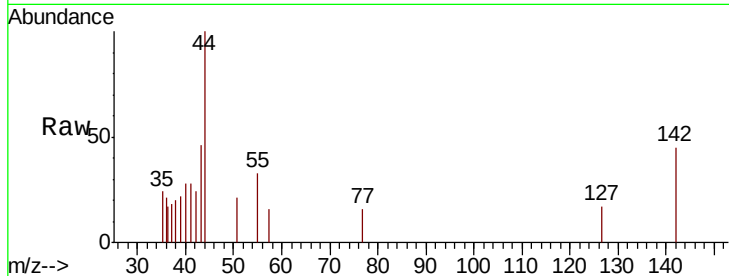




#10
Methyl Iodide
Concen: 8.153 ug/l
RT: 2.52 min Scan# 268
Delta R.T. 0.02 min
Lab File: VX012049.D
Acq: 04 Sep 2019 13:56

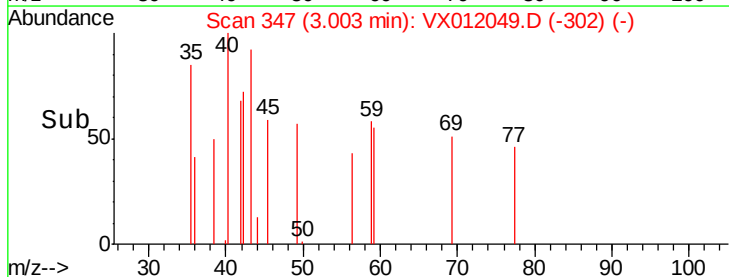
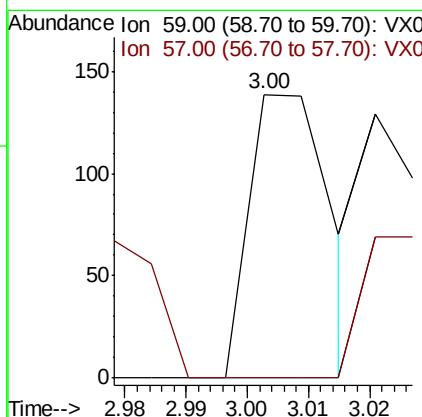
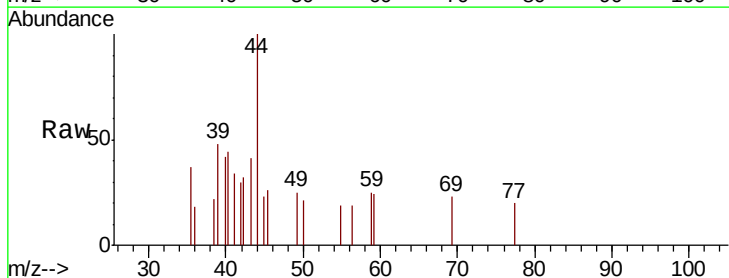
Instrument :
MSVOA_X
ClientSampled :
T3-S-B1-(0)

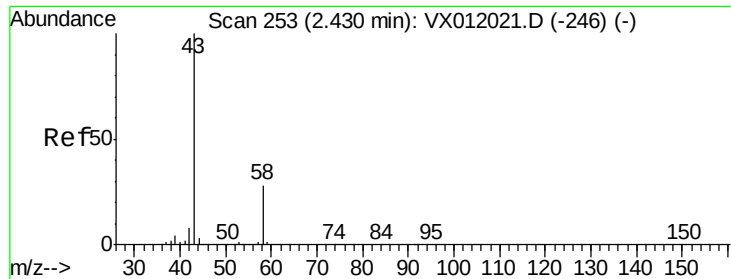
Tgt Ion: 142 Resp: 261
Ion Ratio Lower Upper
142 100
127 46.4 35.4 53.2
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 5.145 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.02 min
Lab File: VX012049.D
Acq: 04 Sep 2019 13:56

Tgt Ion: 59 Resp: 127
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#





#16

Acetone

Concen: 29.338 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX012049.D

Acq: 04 Sep 2019 13:56

Instrument :

MSVOA_X

ClientSampled :

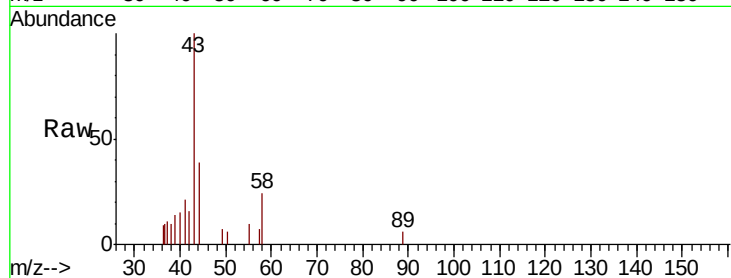
T3-S-B1-(0)

Tgt Ion: 43 Resp: 1802

Ion Ratio Lower Upper

43 100

58 26.1 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

1000

800

600

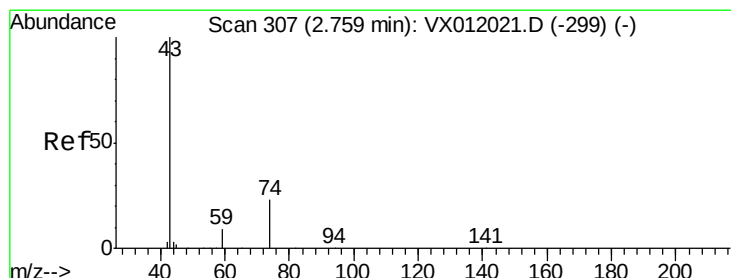
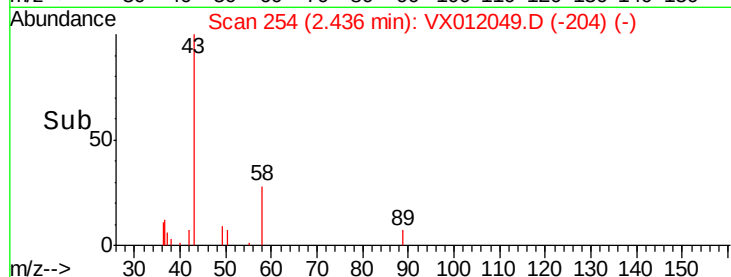
400

200

0

Time-->

2.35 2.40 2.45 2.50



#18

Methyl Acetate

Concen: 3.697 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012049.D

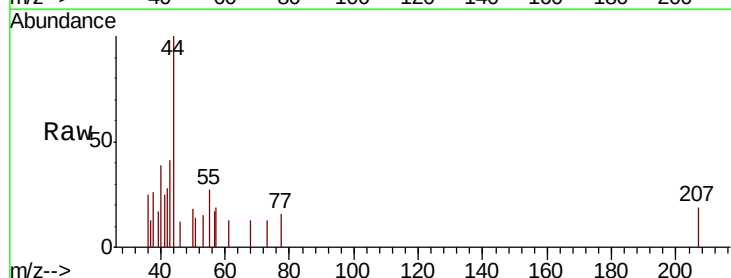
Acq: 04 Sep 2019 13:56

Tgt Ion: 43 Resp: 535

Ion Ratio Lower Upper

43 100

74 0.0 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

150

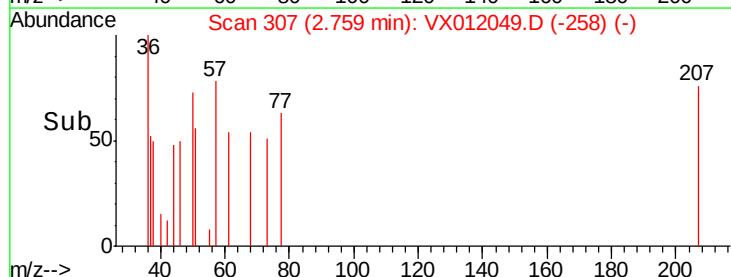
100

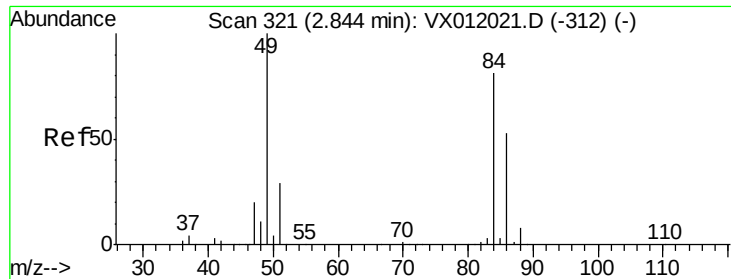
50

0

Time-->

2.70 2.75 2.80

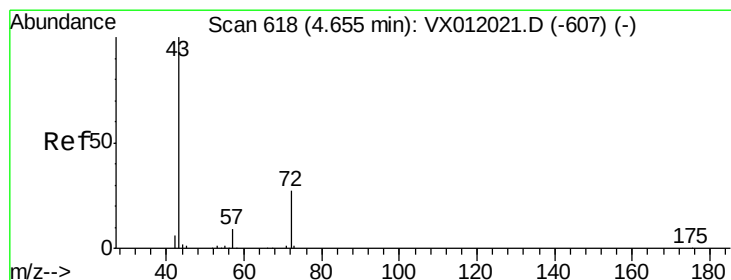
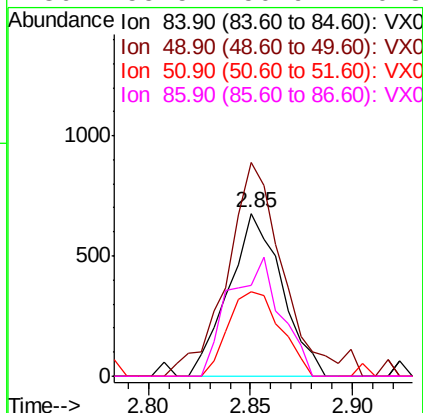
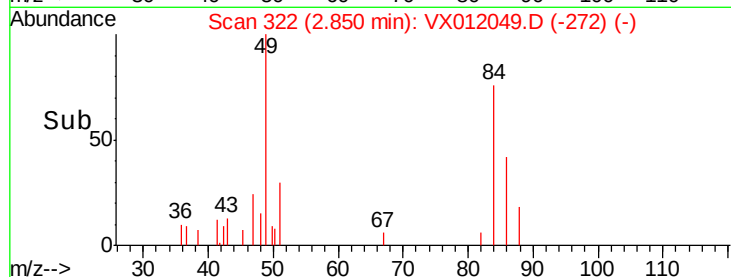
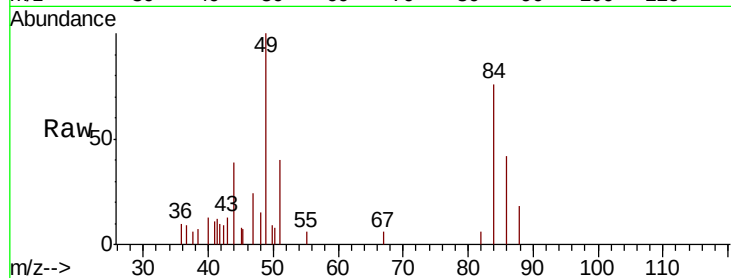




#20
Methylene Chloride
Concen: 4.950 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012049.D
Acq: 04 Sep 2019 13:56

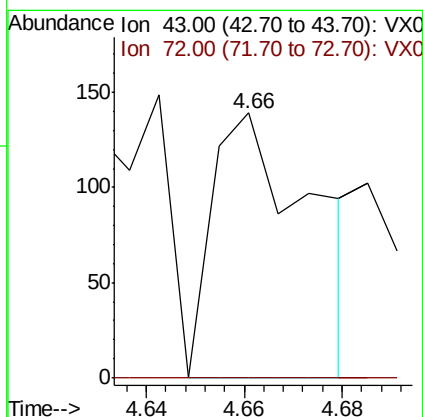
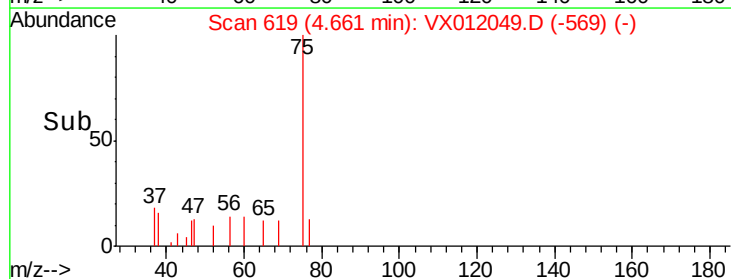
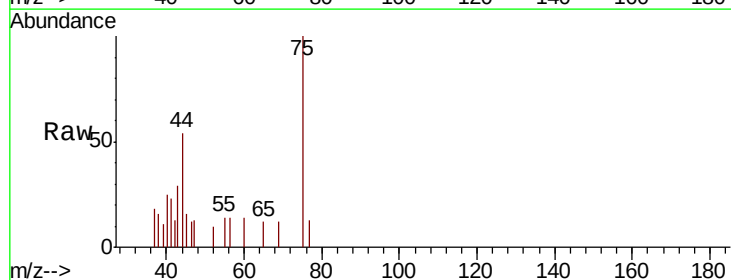
Instrument :
MSVOA_X
ClientSampled :
T3-S-B1-(0)

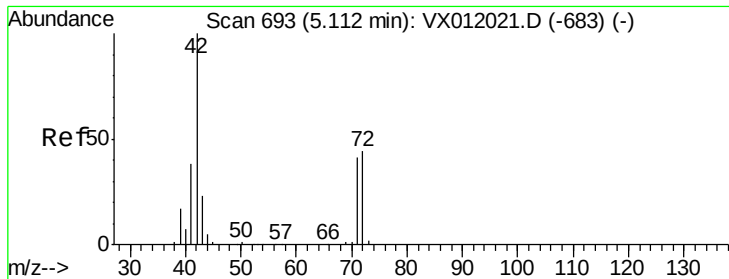
Tgt Ion: 84 Resp: 1221
Ion Ratio Lower Upper
84 100
49 123.6 95.8 143.8
51 52.0 28.6 43.0#
86 55.5 50.9 76.3



#25
2-Butanone
Concen: 2.520 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.01 min
Lab File: VX012049.D
Acq: 04 Sep 2019 13:56

Tgt Ion: 43 Resp: 197
Ion Ratio Lower Upper
43 100
72 0.0 21.3 31.9#





#29

Tetrahydrofuran

Concen: 1.868 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX012049.D

Acq: 04 Sep 2019 13:56

Instrument :

MSVOA_X

ClientSampled :

T3-S-B1-(0)

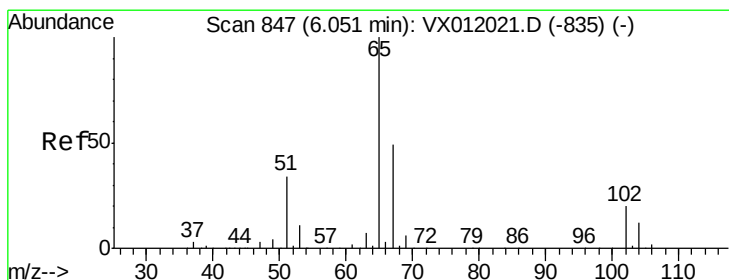
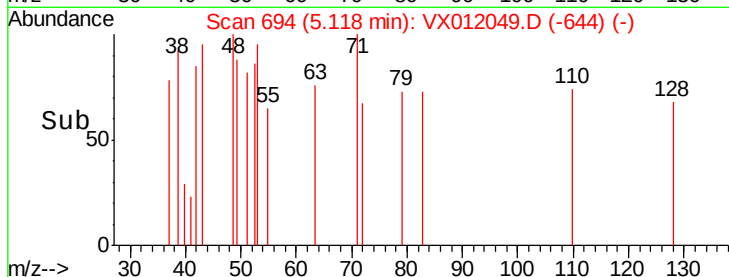
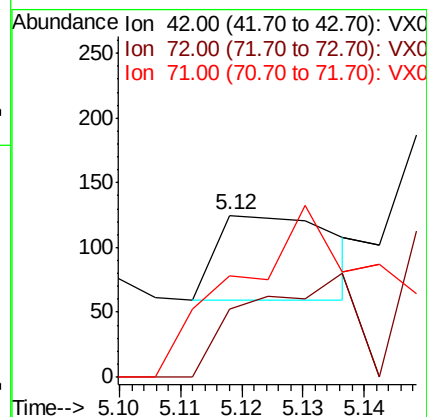
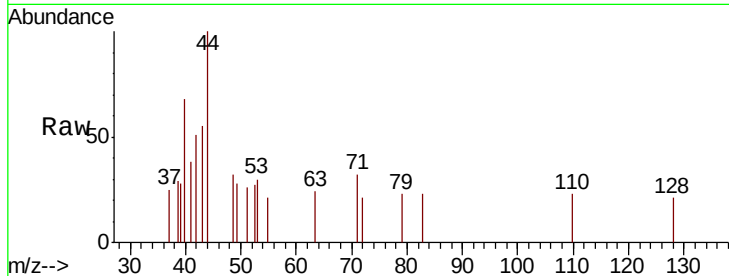
Tgt Ion: 42 Resp: 88

Ion Ratio Lower Upper

42 100

72 105.7 37.0 55.4#

71 236.4 33.8 50.8#



#33

1,2-Dichloroethane-d4

Concen: 45.619 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012049.D

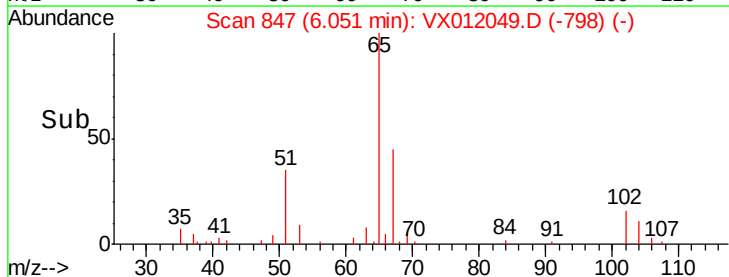
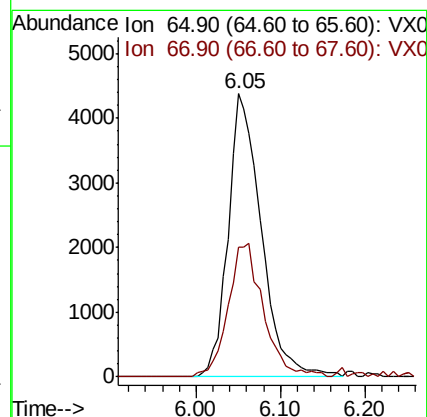
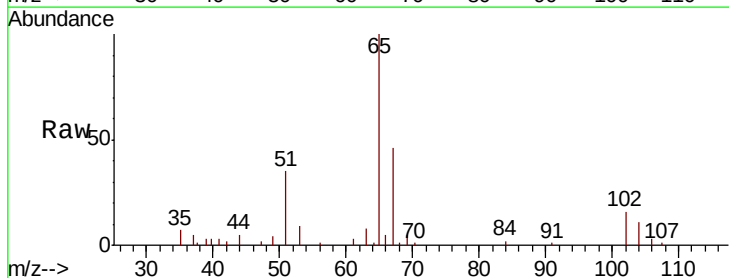
Acq: 04 Sep 2019 13:56

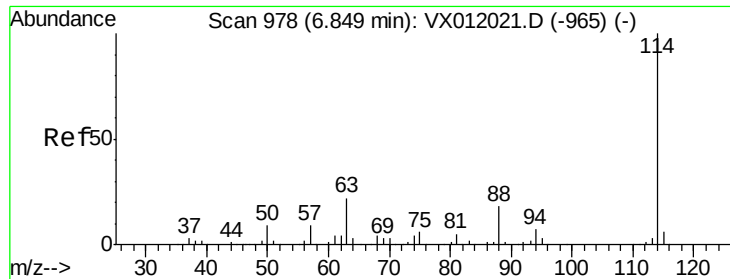
Tgt Ion: 65 Resp: 11723

Ion Ratio Lower Upper

65 100

67 50.1 0.0 102.0

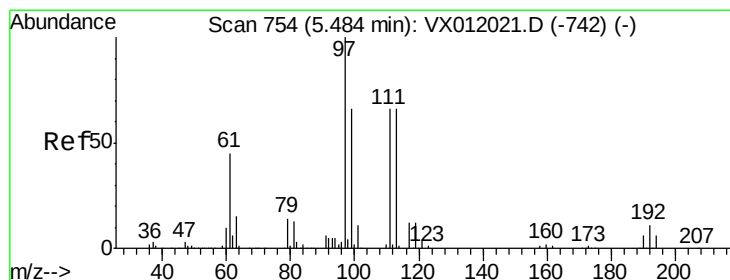
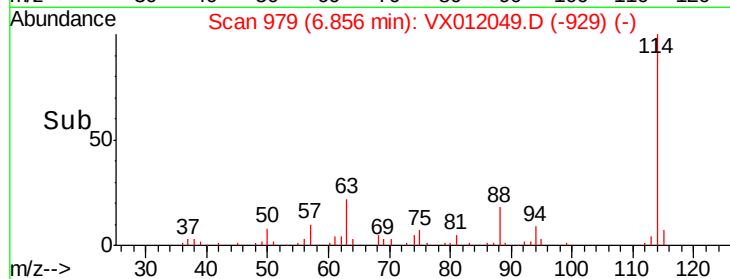
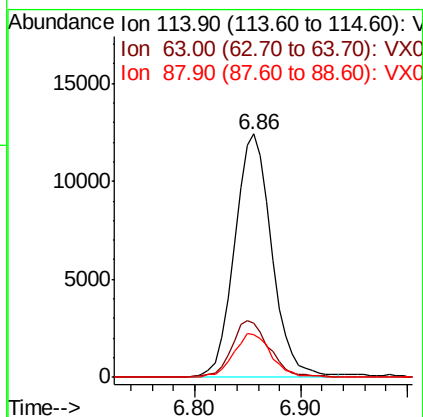
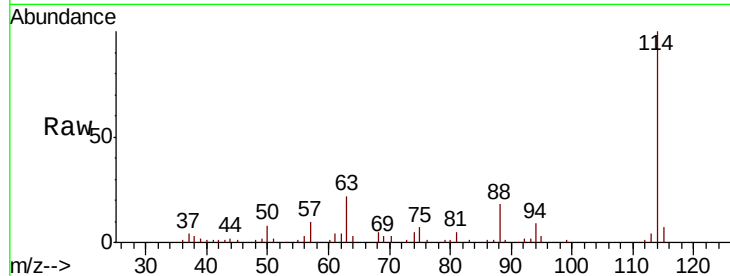




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX012049.D
 Acq: 04 Sep 2019 13:56

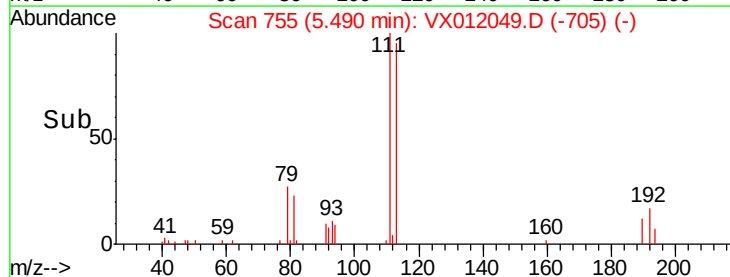
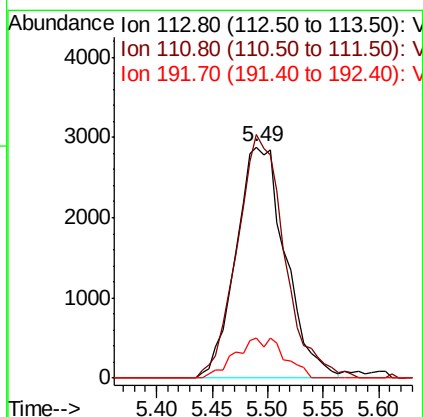
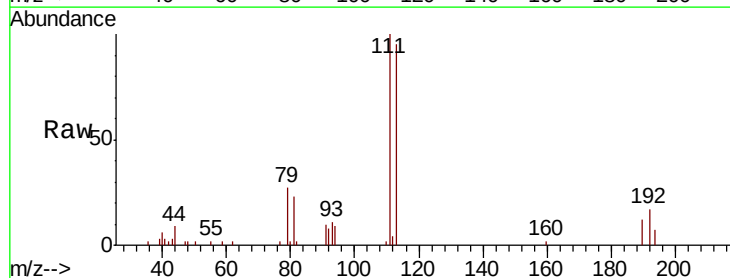
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-B1-(0)

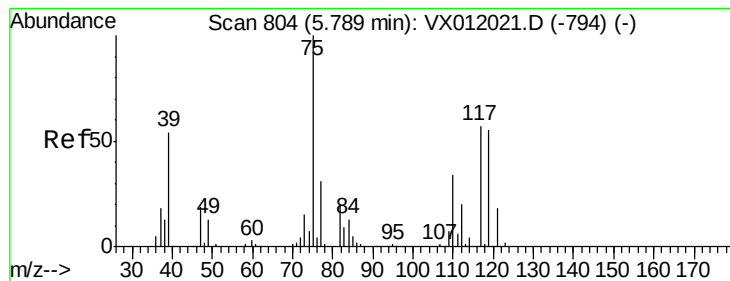
Tgt Ion:114 Resp: 30442
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 37.4
 88 17.5 0.0 29.6



#35
 Dibromofluoromethane
 Concen: 47.514 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX012049.D
 Acq: 04 Sep 2019 13:56

Tgt Ion:113 Resp: 8895
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.7 122.5
 192 17.3 22.5 33.7#





#36

1,1-Dichloropropene

Concen: 7.564 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012049.D

Acq: 04 Sep 2019 13:56

Instrument :

MSVOA_X

ClientSampled :

T3-S-B1-(0)

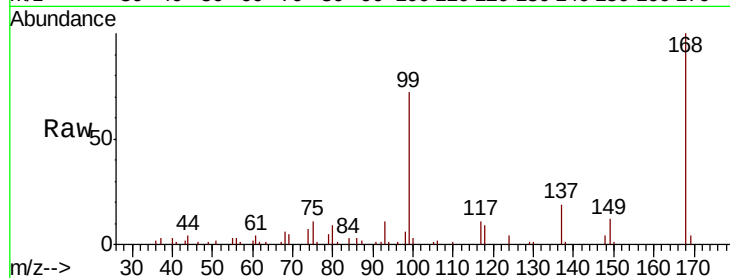
Tgt Ion: 75 Resp: 2028

Ion Ratio Lower Upper

75 100

110 4.9 19.5 58.5#

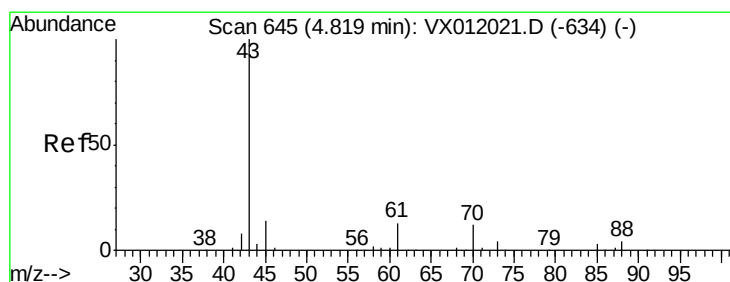
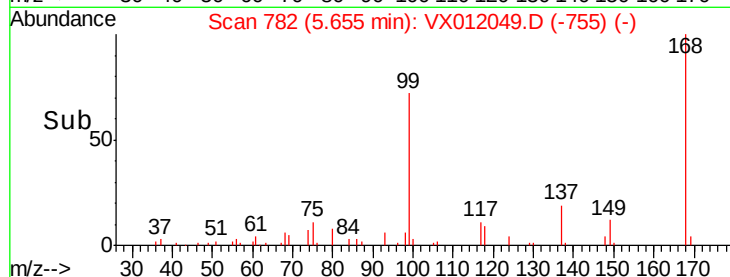
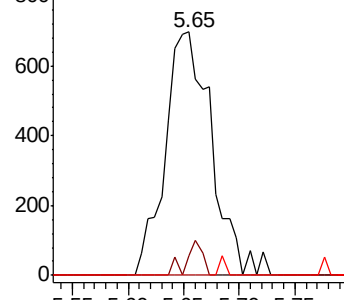
77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 1.351 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.15 min

Lab File: VX012049.D

Acq: 04 Sep 2019 13:56

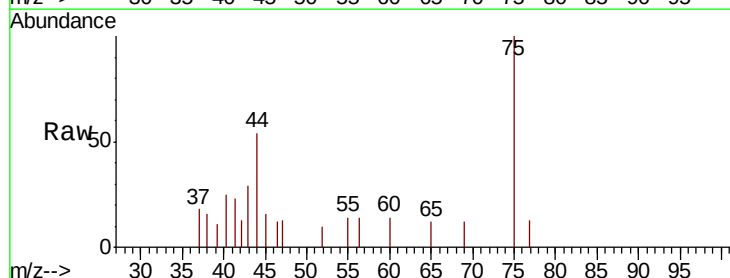
Tgt Ion: 43 Resp: 197

Ion Ratio Lower Upper

43 100

61 13.7 10.9 16.3

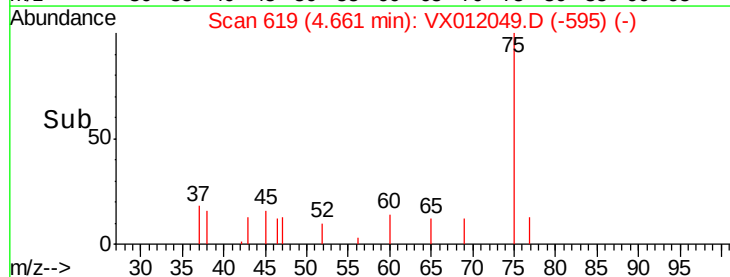
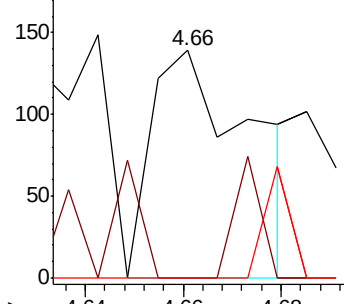
70 12.7 9.4 14.0

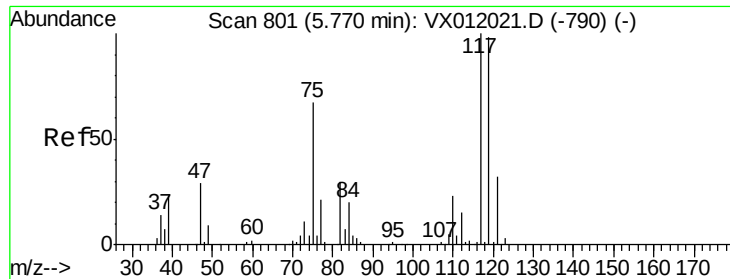


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

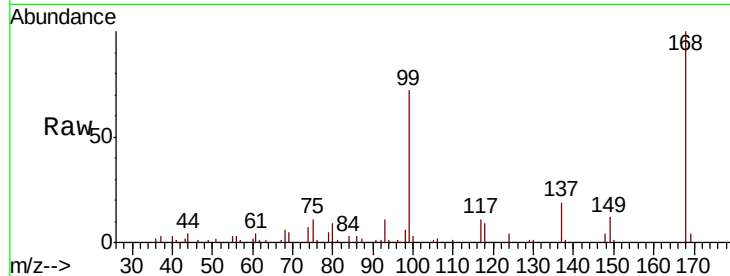




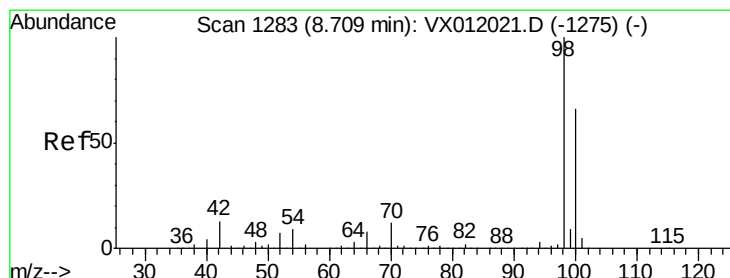
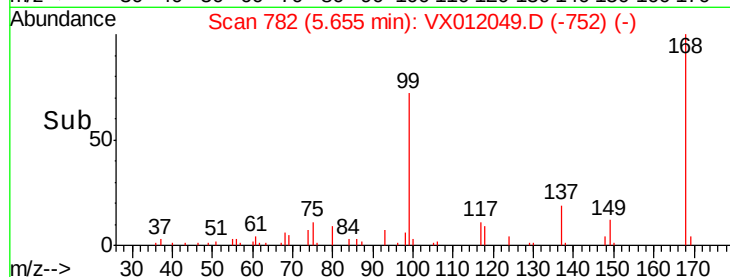
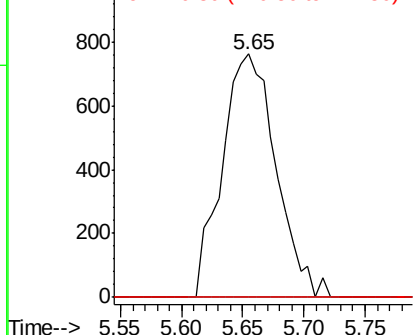
#38
Carbon Tetrachloride
Concen: 8.251 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012049.D
Acq: 04 Sep 2019 13:56

Instrument :
MSVOA_X
ClientSampleId :
T3-S-B1-(0)

Tgt Ion:117 Resp: 2331
Ion Ratio Lower Upper
117 100
119 0.0 78.3 117.5#
121 0.0 24.2 36.2#

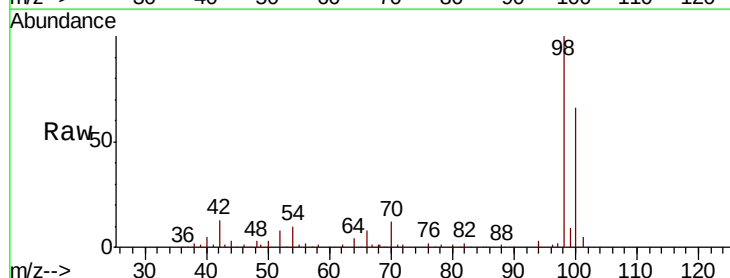


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

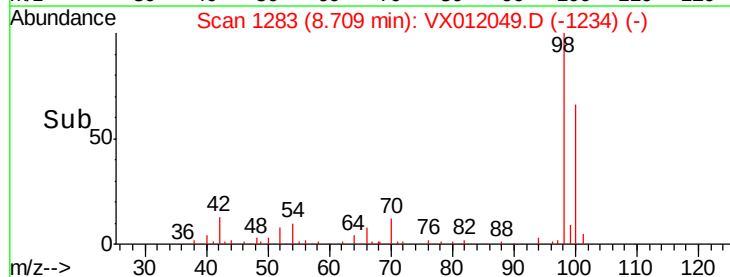
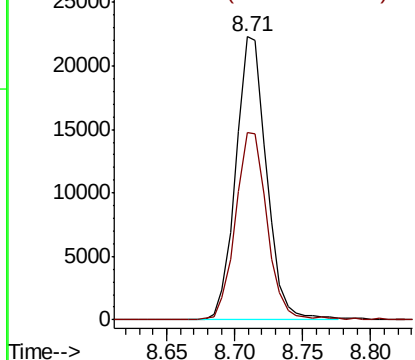


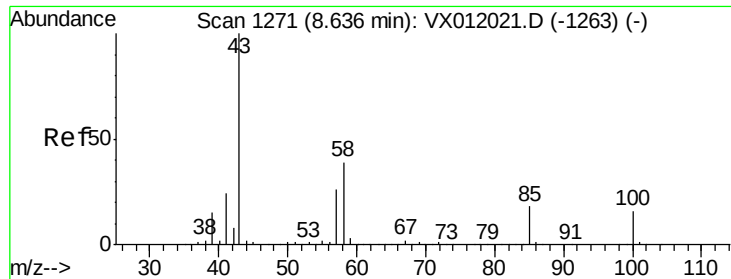
#50
Toluene-d8
Concen: 51.197 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012049.D
Acq: 04 Sep 2019 13:56

Tgt Ion: 98 Resp: 35171
Ion Ratio Lower Upper
98 100
100 67.9 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

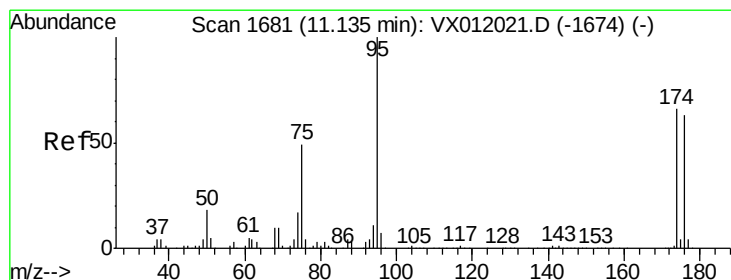
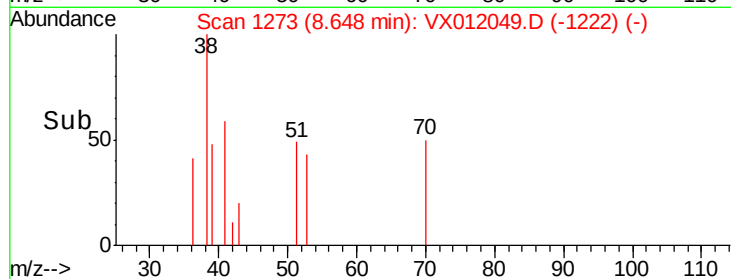
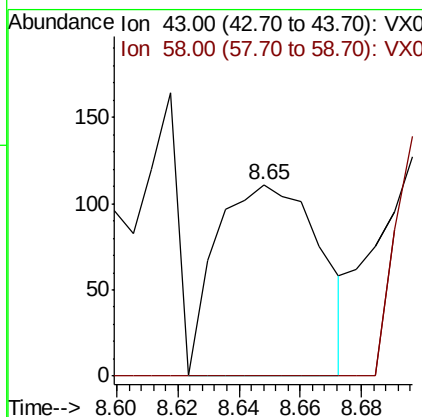
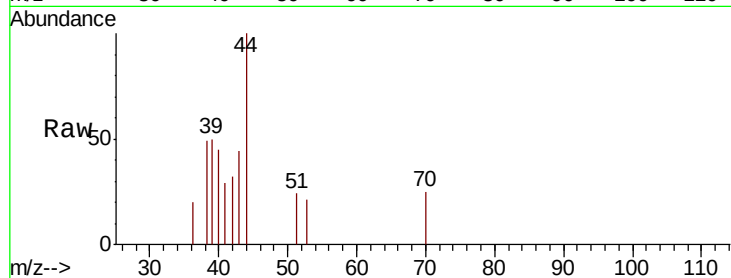




#51
 4-Methyl-2-Pentanone
 Concen: 1.738 ug/l
 RT: 8.65 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VX012049.D
 Acq: 04 Sep 2019 13:56

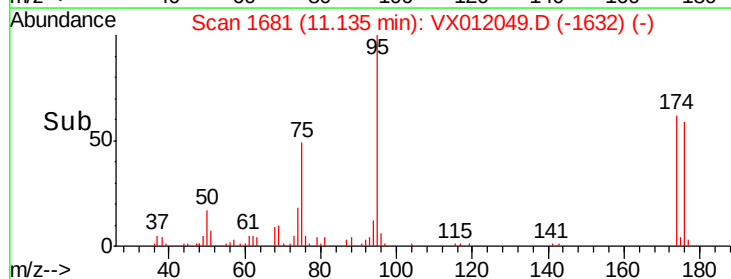
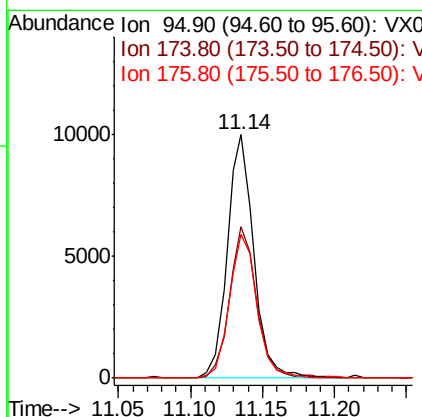
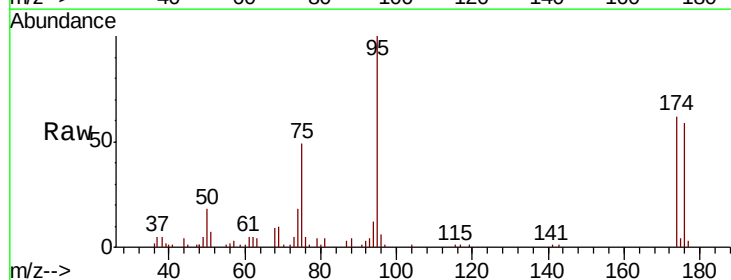
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-B1-(0)

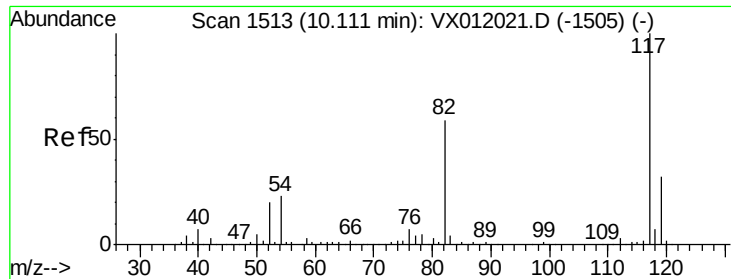
Tgt Ion: 43 Resp: 262
 Ion Ratio Lower Upper
 43 100
 58 0.0 31.5 47.3#



#62
 4-Bromofluorobenzene
 Concen: 40.537 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX012049.D
 Acq: 04 Sep 2019 13:56

Tgt Ion: 95 Resp: 12951
 Ion Ratio Lower Upper
 95 100
 174 63.1 0.0 205.4
 176 61.0 0.0 201.8

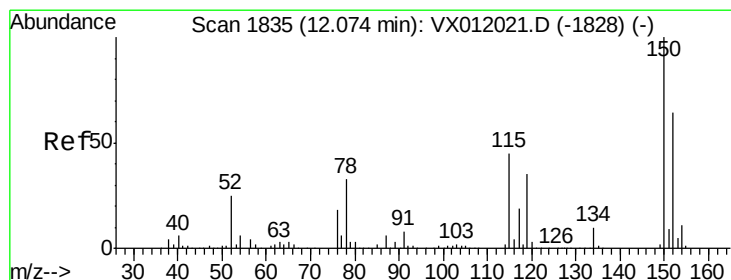
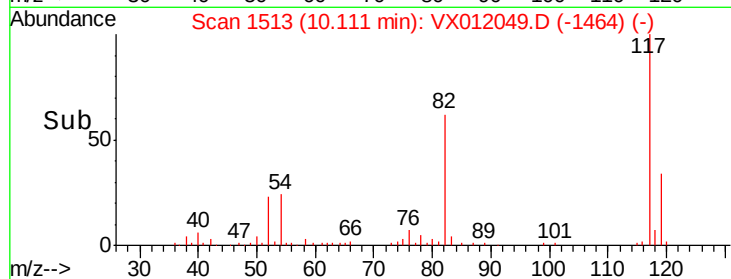
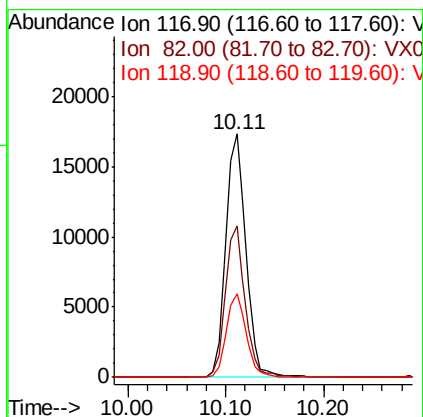
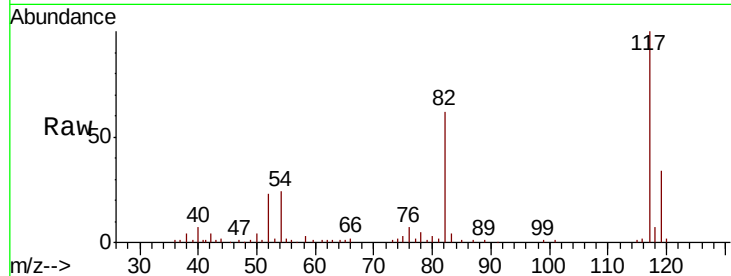




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012049.D
Acq: 04 Sep 2019 13:56

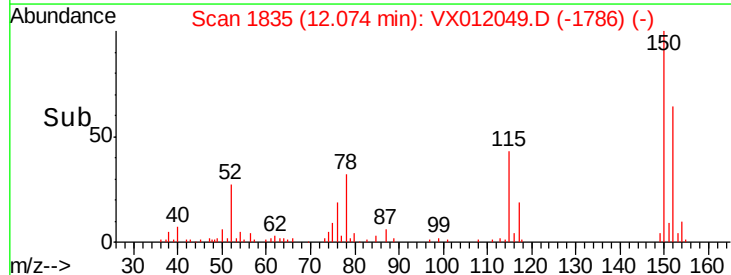
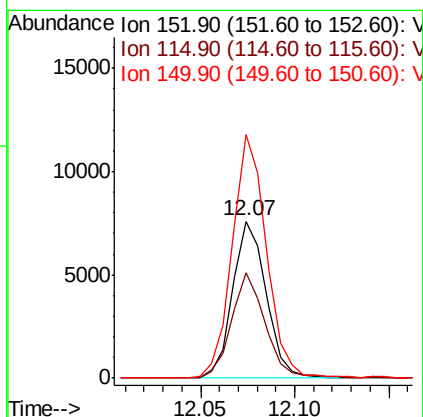
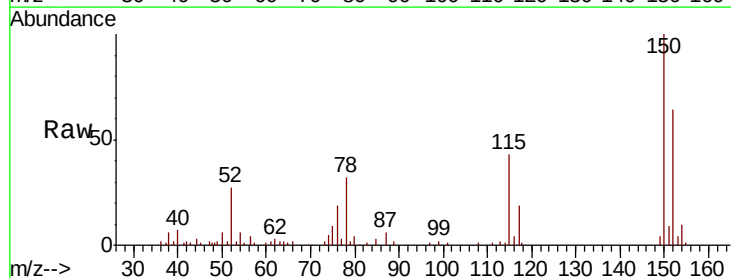
Instrument :
MSVOA_X
ClientSampleId :
T3-S-B1-(0)

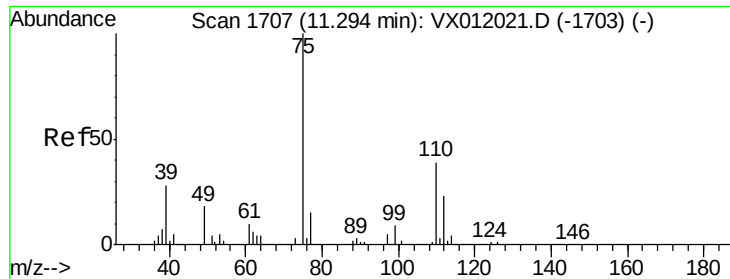
Tgt Ion:117 Resp: 24765
Ion Ratio Lower Upper
117 100
82 62.1 39.4 59.0#
119 34.1 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012049.D
Acq: 04 Sep 2019 13:56

Tgt Ion:152 Resp: 9320
Ion Ratio Lower Upper
152 100
115 68.0 36.4 109.3
150 159.0 0.0 341.2





#76

1,2,3-Trichloropropane

Concen: 58.177 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012049.D

Acq: 04 Sep 2019 13:56

Instrument :

MSVOA_X

ClientSampled :

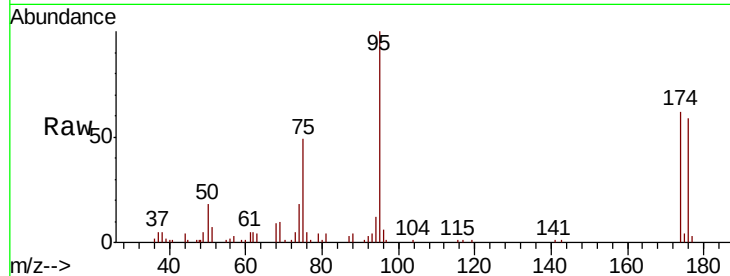
T3-S-B1-(0)

Tgt Ion: 75 Resp: 6625

Ion Ratio Lower Upper

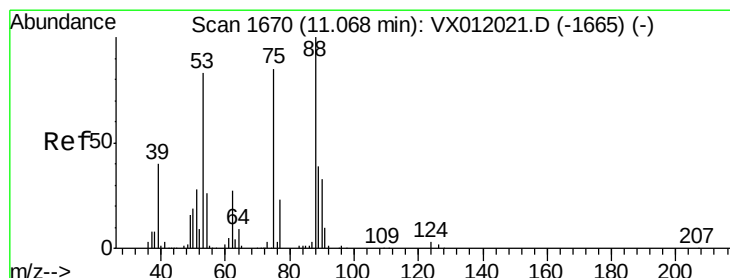
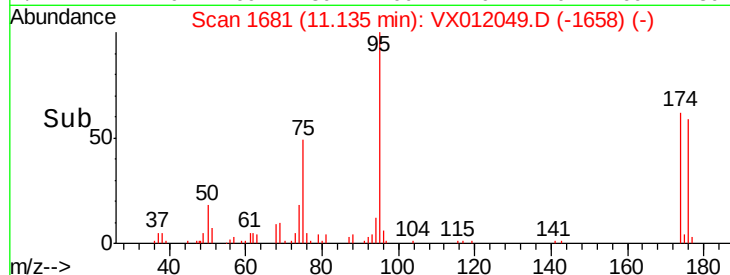
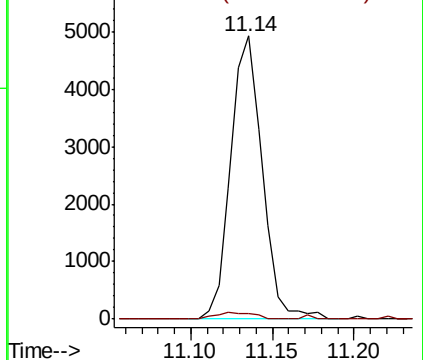
75 100

77 2.9 23.5 70.5#



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: 137.540 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012049.D

Acq: 04 Sep 2019 13:56

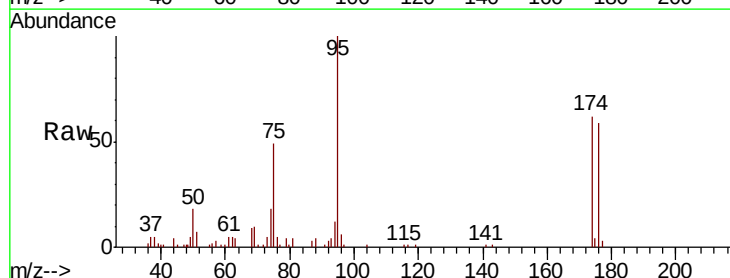
Tgt Ion: 75 Resp: 6625

Ion Ratio Lower Upper

75 100

53 0.6 78.6 117.8#

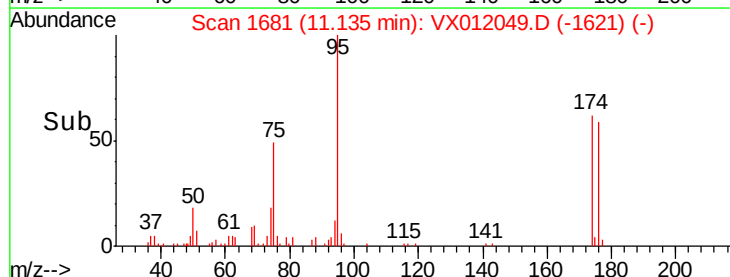
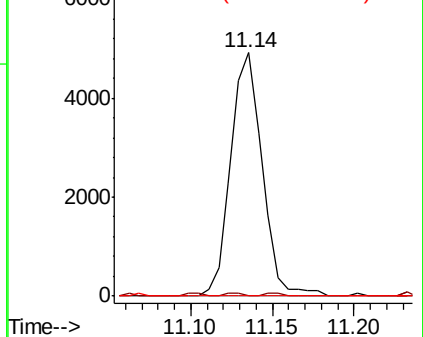
89 0.0 38.8 58.2#

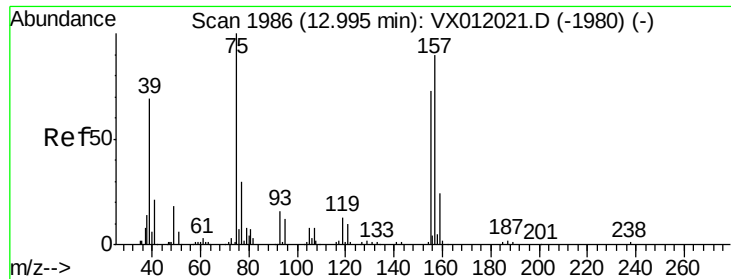


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.017 ug/l

RT: 12.81 min Scan# 1955

Delta R.T. -0.19 min

Lab File: VX012049.D

Acq: 04 Sep 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

T3-S-B1-(0)

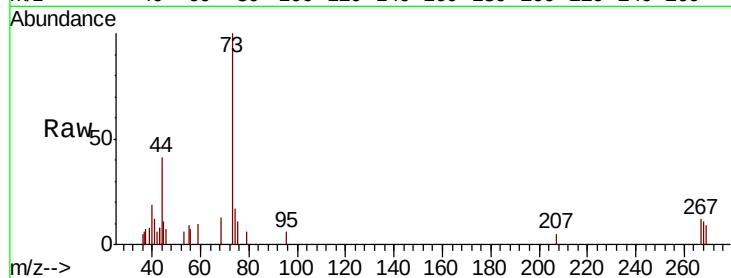
Tgt Ion: 75 Resp: 90

Ion Ratio Lower Upper

75 100

155 0.0 51.7 155.2#

157 0.0 66.9 200.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

