

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042419\
 Data File : VX009140.D
 Acq On : 24 Apr 2019 13:14
 Operator : JC/SP
 Sample : K2535-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0018

Quant Time: Apr 25 05:20:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	229319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	371200	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	311926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	126173	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	153617	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	
35) Dibromofluoromethane	5.50	113	113049	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
50) Toluene-d8	8.71	98	456229	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
62) 4-Bromofluorobenzene	11.13	95	143963	42.93	ug/l	0.00
Spiked Amount			Recovery	=	85.86%	

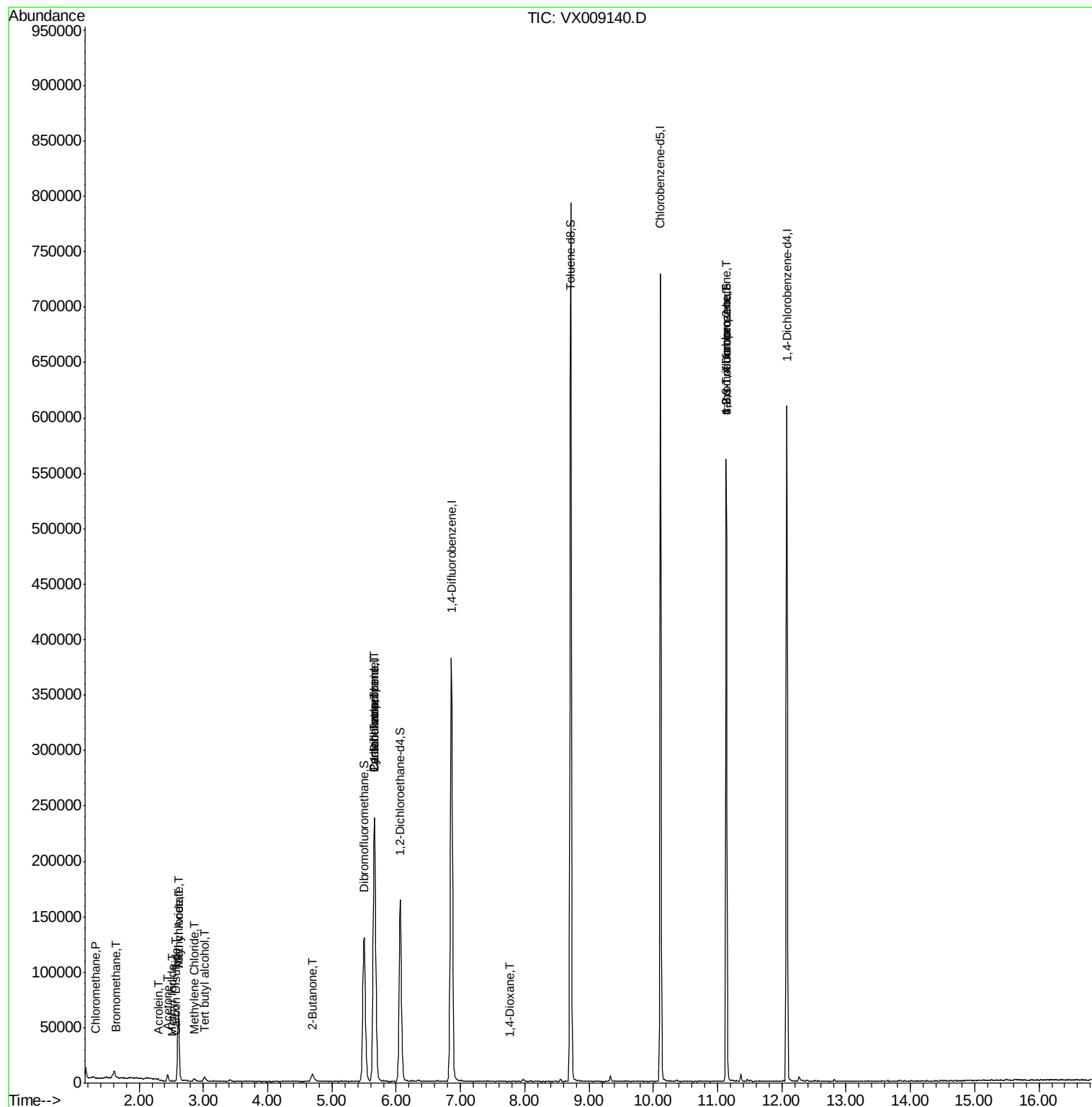
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	737	0.227	ug/l	95
5) Bromomethane	1.65	94	567	4.113	ug/l #	44
10) Methyl Iodide	2.52	142	319	4.527	ug/l #	90
11) Tert butyl alcohol	3.01	59	3027	4.220	ug/l #	72
13) Acrolein	2.30	56	339	0.547	ug/l #	69
14) Allyl chloride	2.61	41	6250	1.165	ug/l #	68
16) Acetone	2.45	43	6890	4.111	ug/l	90
17) Carbon Disulfide	2.57	76	1069	1.397	ug/l	99
18) Methyl Acetate	2.61	43	15709	3.756	ug/l #	55
20) Methylene Chloride	2.85	84	1064	0.371	ug/l #	93
25) 2-Butanone	4.70	43	1659	0.619	ug/l	99
28) Bromochloromethane	5.01	49	63	Below Cal	#	21
31) Cyclohexane	5.67	56	5100	0.991	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18215	4.745	ug/l #	50
38) Carbon Tetrachloride	5.66	117	21568	6.627	ug/l #	18
49) 1,4-Dioxane	7.77	88	43	0.584	ug/l #	27
76) 1,2,3-Trichloropropane	11.13	75	73853	23.971	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	73853	61.541	ug/l #	11

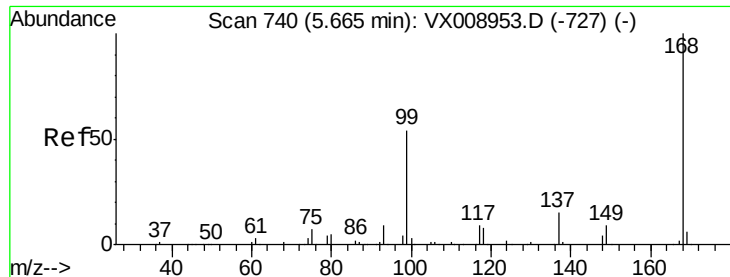
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009140.D

Acq: 24 Apr 2019 13:14

Instrument :

MSVOA_X

ClientSampleId :

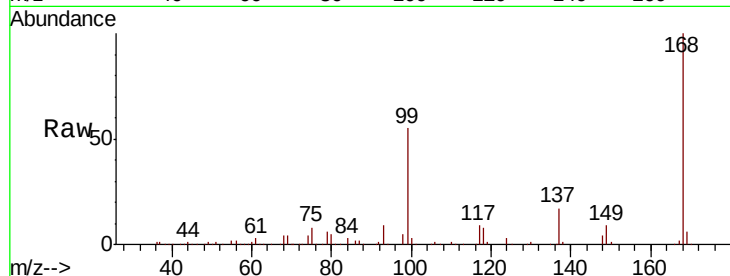
S37-0018

Tgt Ion:168 Resp: 229319

Ion Ratio Lower Upper

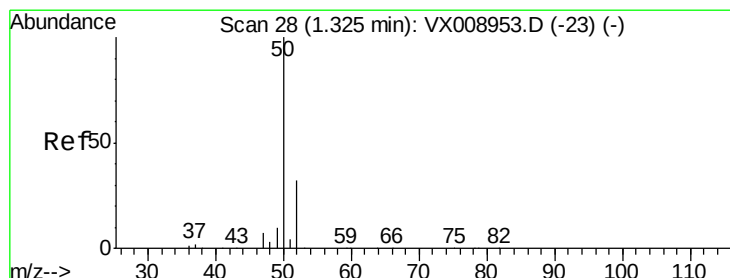
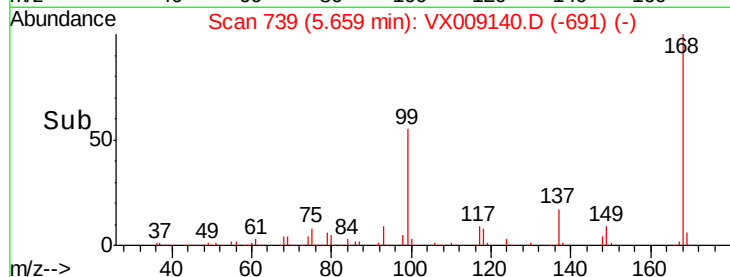
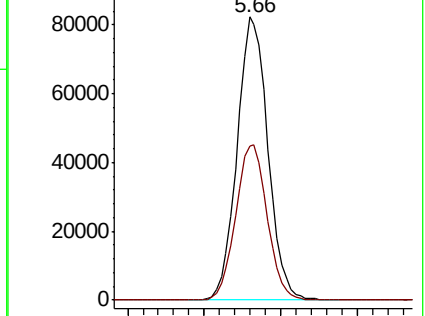
168 100

99 54.6 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.227 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009140.D

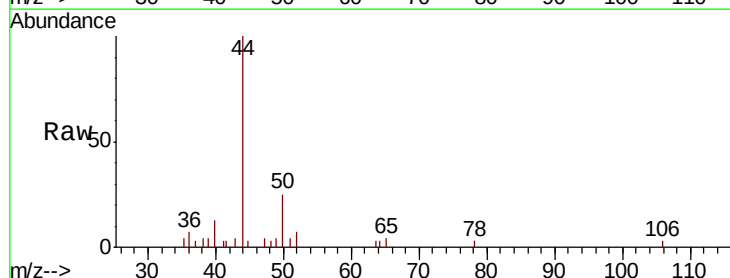
Acq: 24 Apr 2019 13:14

Tgt Ion: 50 Resp: 737

Ion Ratio Lower Upper

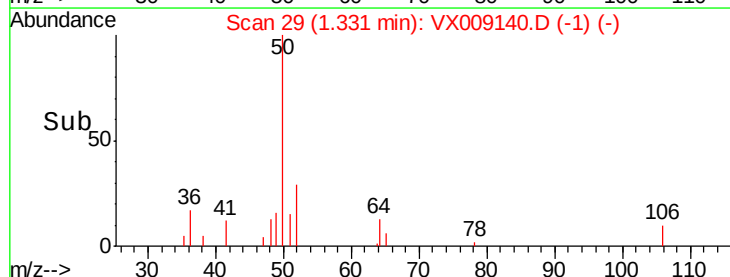
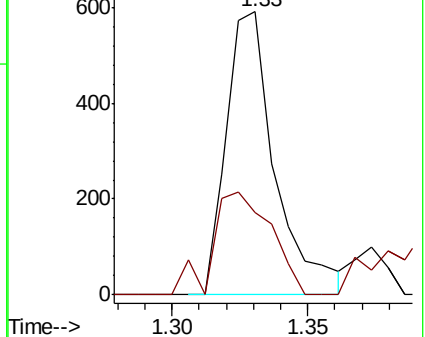
50 100

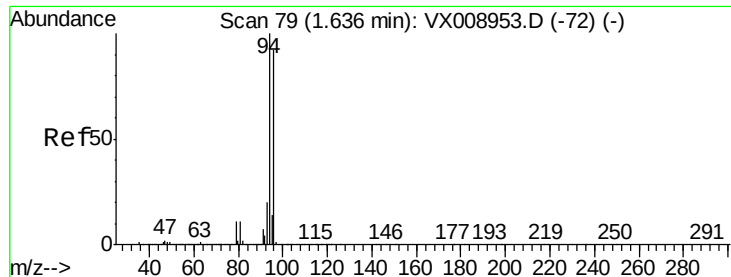
52 28.9 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 4.113 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009140.D

Acq: 24 Apr 2019 13:14

Instrument :

MSVOA_X

ClientSampleId :

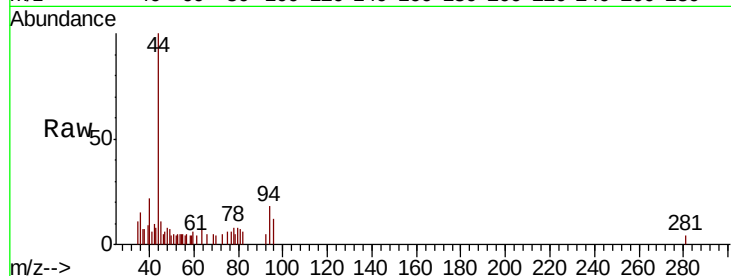
S37-0018

Tgt Ion: 94 Resp: 567

Ion Ratio Lower Upper

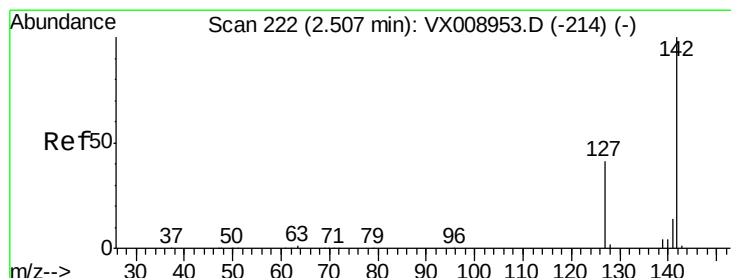
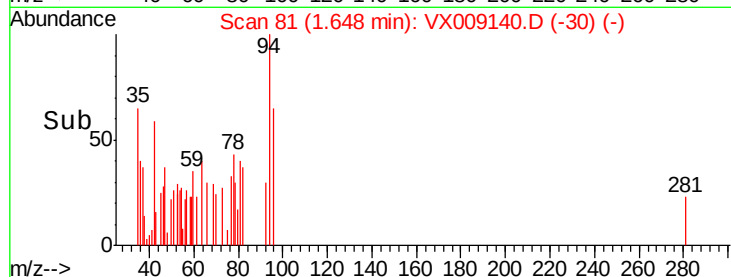
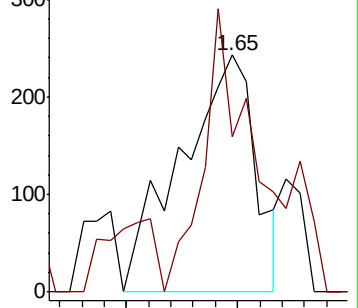
94 100

96 39.1 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.527 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009140.D

Acq: 24 Apr 2019 13:14

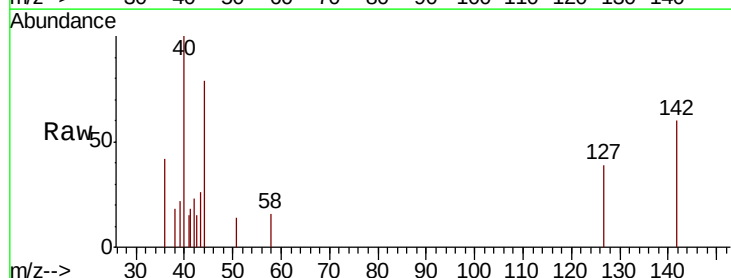
Tgt Ion: 142 Resp: 319

Ion Ratio Lower Upper

142 100

127 40.1 32.8 49.2

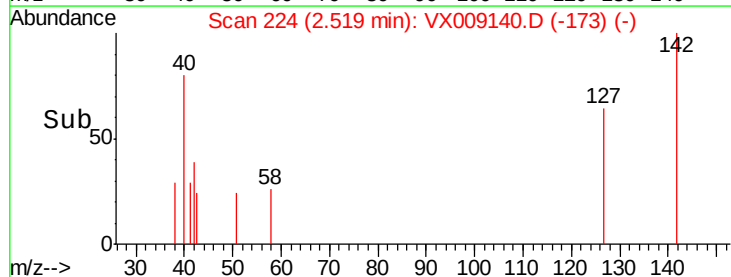
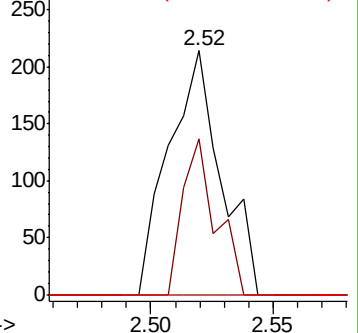
141 0.0 11.4 17.2#

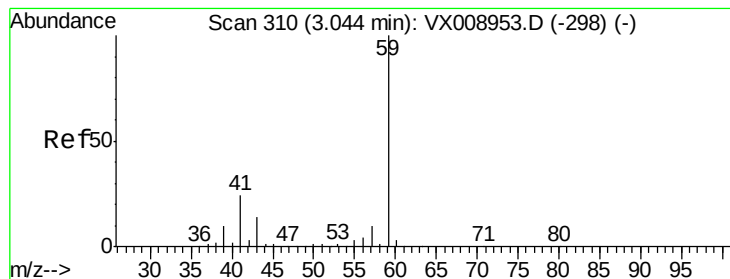


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



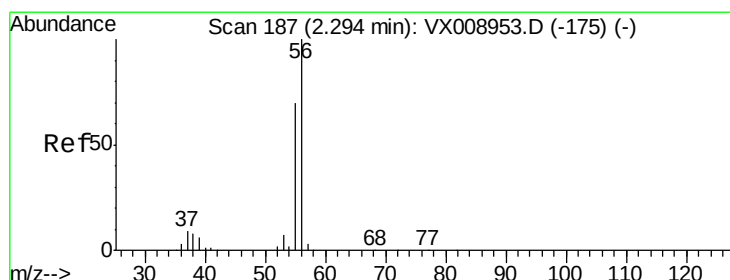
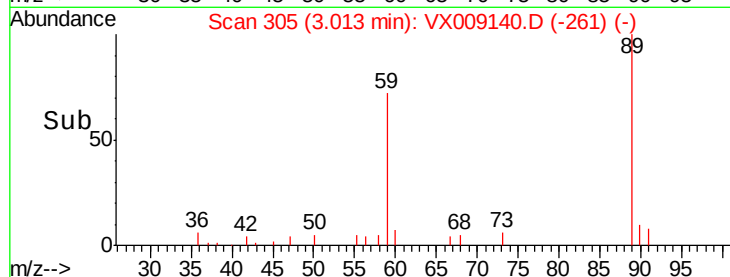
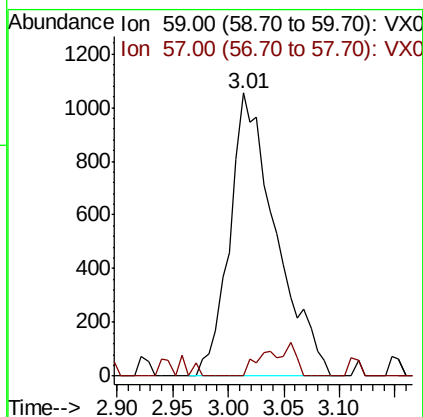
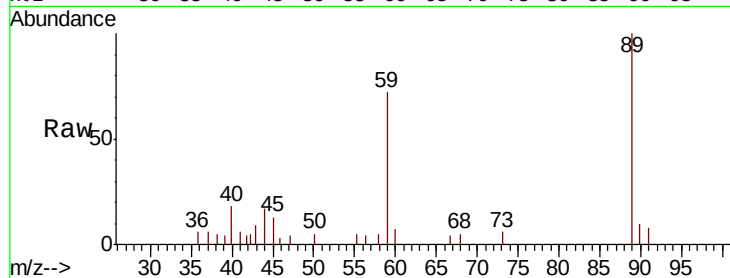


#11

Tert butyl alcohol
 Concen: 4.220 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.03 min
 Lab File: VX009140.D
 Acq: 24 Apr 2019 13:14

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0018

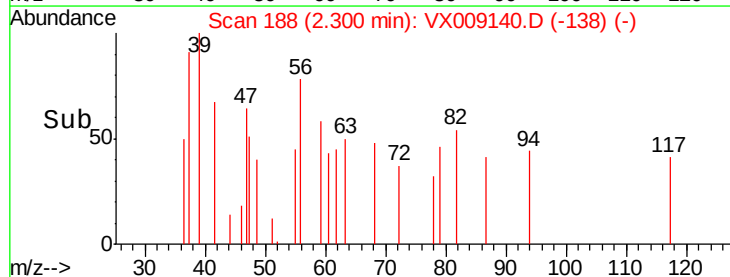
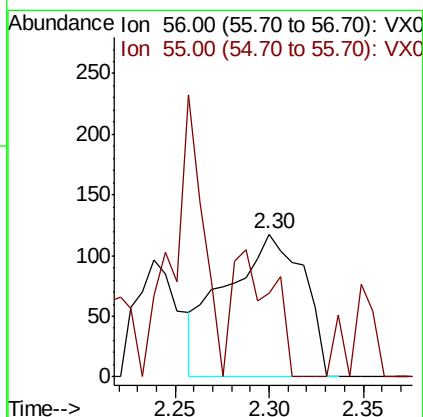
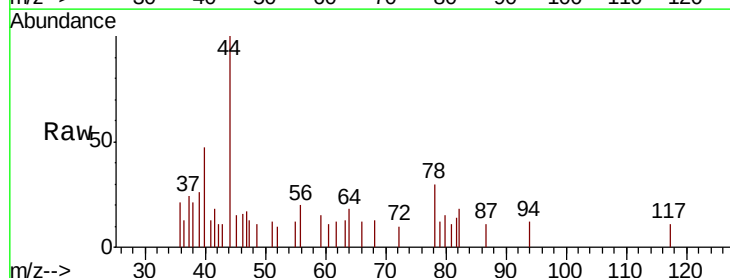
Tgt Ion: 59 Resp: 3027
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

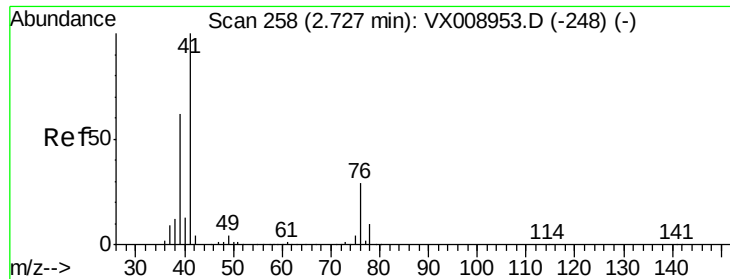


#13

Acrolein
 Concen: 0.547 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX009140.D
 Acq: 24 Apr 2019 13:14

Tgt Ion: 56 Resp: 339
 Ion Ratio Lower Upper
 56 100
 55 44.8 56.6 84.8#

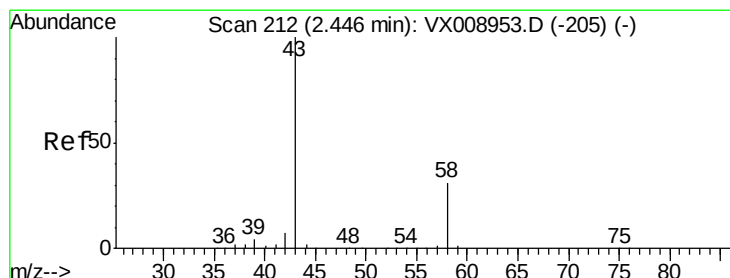
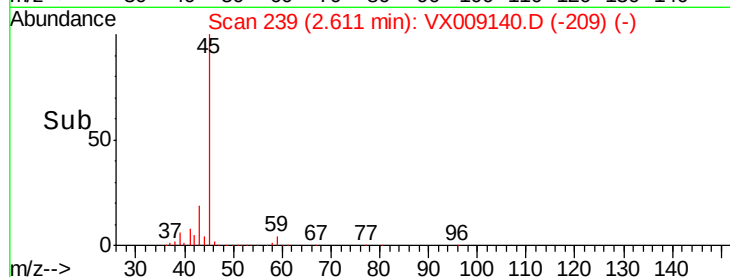
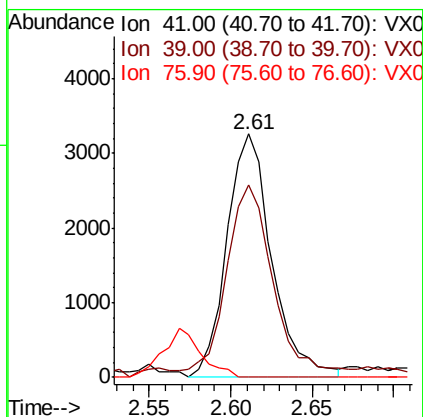
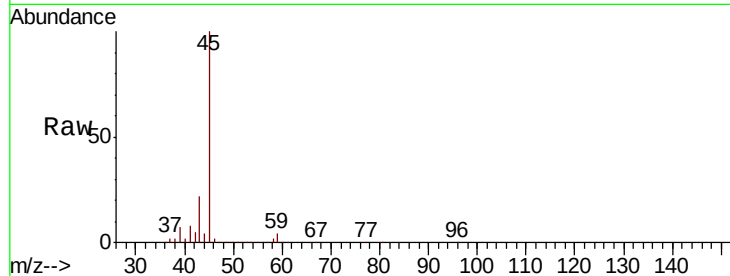




#14
 Allyl chloride
 Concen: 1.165 ug/l
 RT: 2.61 min Scan# 239
 Delta R.T. -0.12 min
 Lab File: VX009140.D
 Acq: 24 Apr 2019 13:14

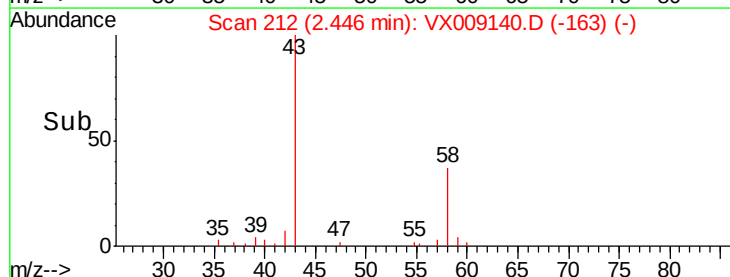
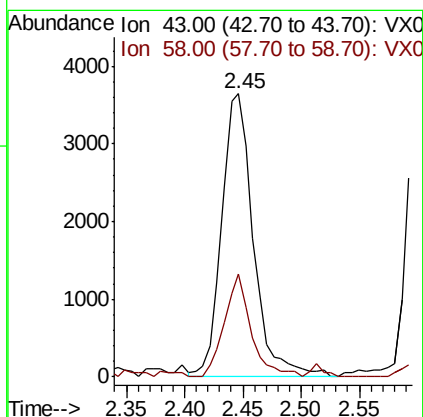
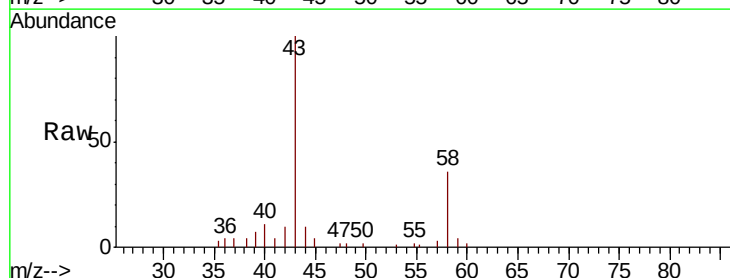
Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0018

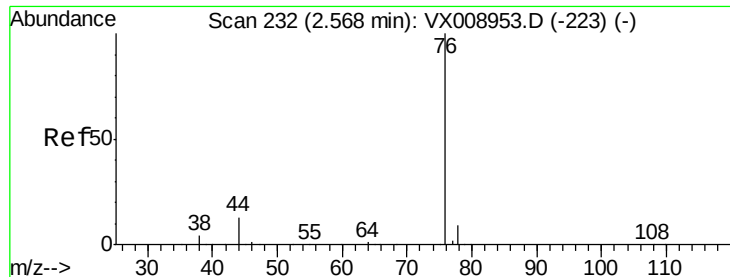
Tgt Ion: 41 Resp: 6250
 Ion Ratio Lower Upper
 41 100
 39 75.2 46.7 70.1#
 76 0.0 22.0 33.0#



#16
 Acetone
 Concen: 4.111 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX009140.D
 Acq: 24 Apr 2019 13:14

Tgt Ion: 43 Resp: 6890
 Ion Ratio Lower Upper
 43 100
 58 36.4 24.8 37.2





#17

Carbon Disulfide

Concen: 1.397 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009140.D

Acq: 24 Apr 2019 13:14

Instrument :

MSVOA_X

ClientSampleId :

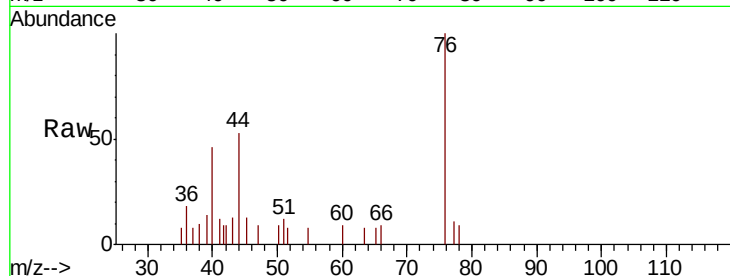
S37-0018

Tgt Ion: 76 Resp: 1069

Ion Ratio Lower Upper

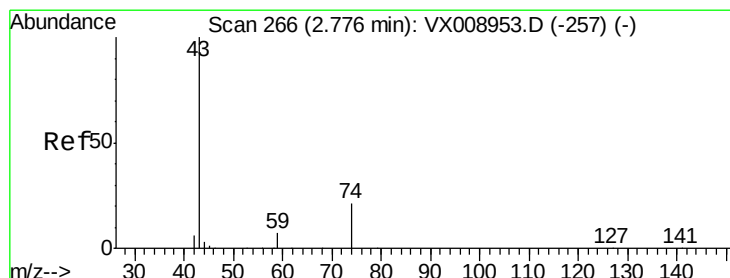
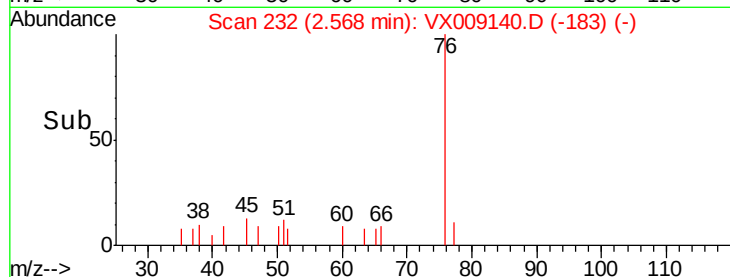
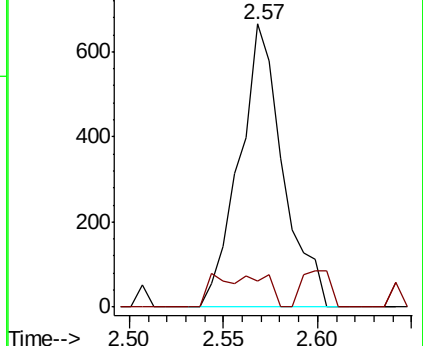
76 100

78 9.3 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 3.756 ug/l

RT: 2.61 min Scan# 239

Delta R.T. -0.16 min

Lab File: VX009140.D

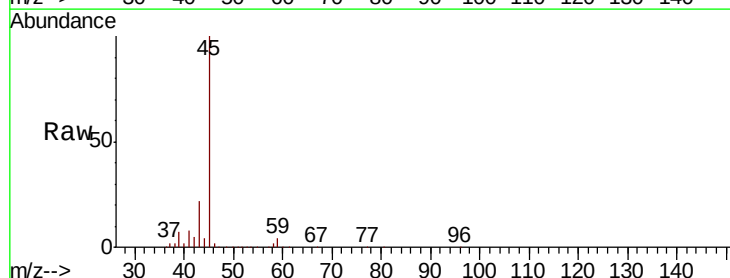
Acq: 24 Apr 2019 13:14

Tgt Ion: 43 Resp: 15709

Ion Ratio Lower Upper

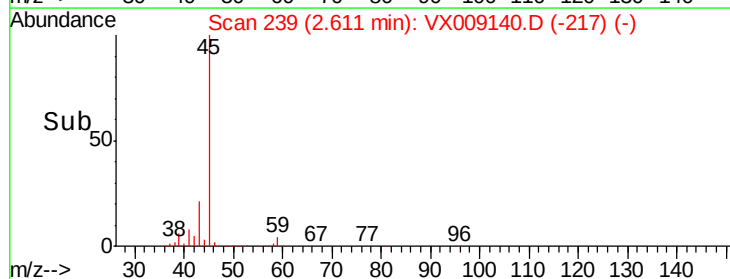
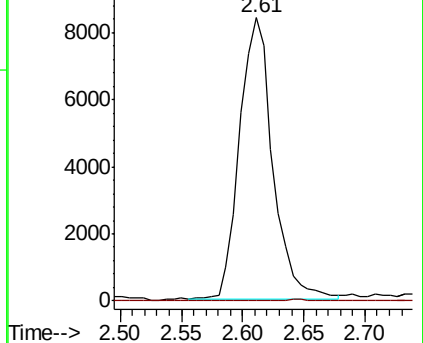
43 100

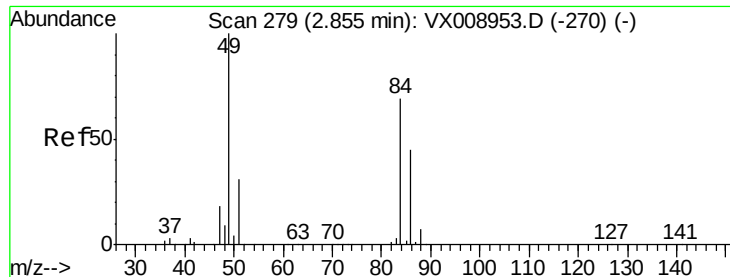
74 0.0 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

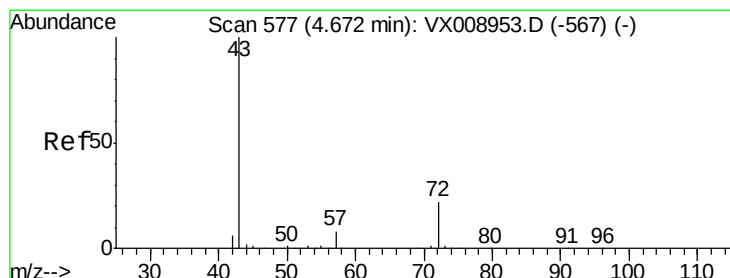
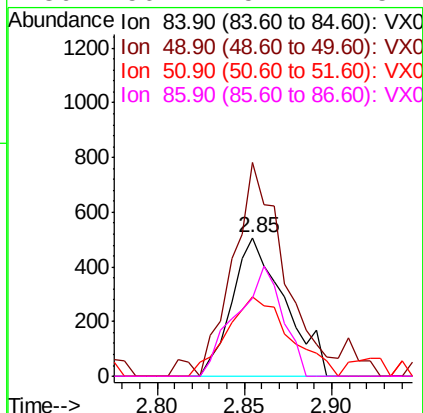
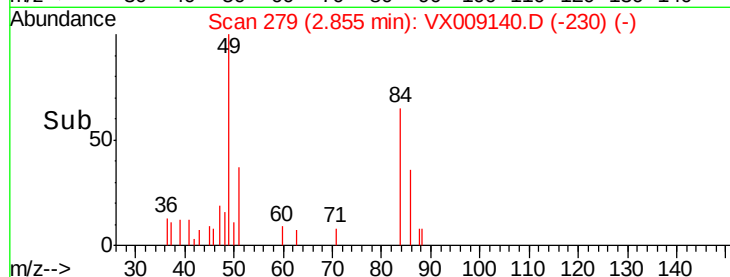
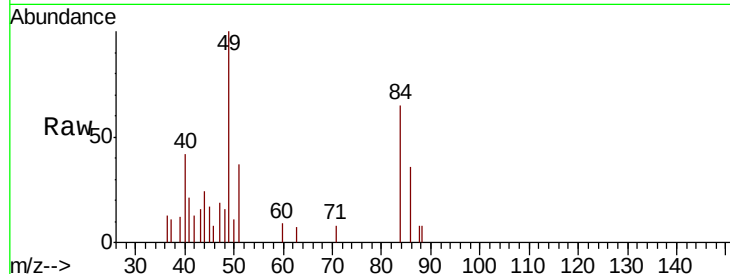




#20
Methylene Chloride
Concen: 0.371 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009140.D
Acq: 24 Apr 2019 13:14

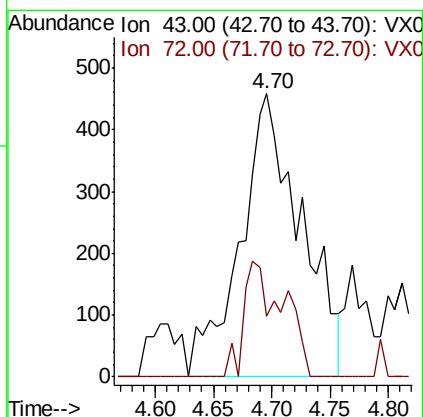
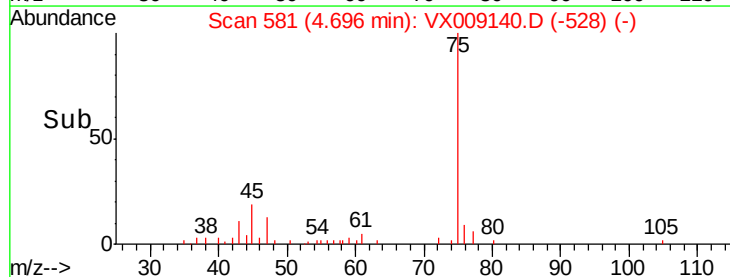
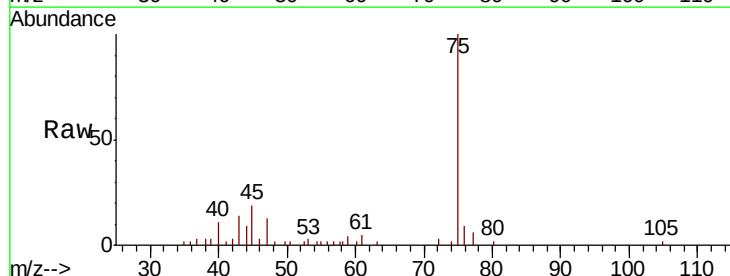
Instrument :
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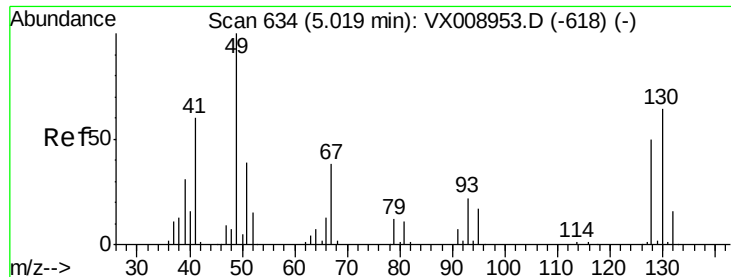
Tgt Ion: 84 Resp: 1064
Ion Ratio Lower Upper
84 100
49 143.5 115.4 173.0
51 57.3 35.8 53.6#
86 56.1 52.1 78.1



#25
2-Butanone
Concen: 0.619 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.02 min
Lab File: VX009140.D
Acq: 24 Apr 2019 13:14

Tgt Ion: 43 Resp: 1659
Ion Ratio Lower Upper
43 100
72 21.6 17.5 26.3



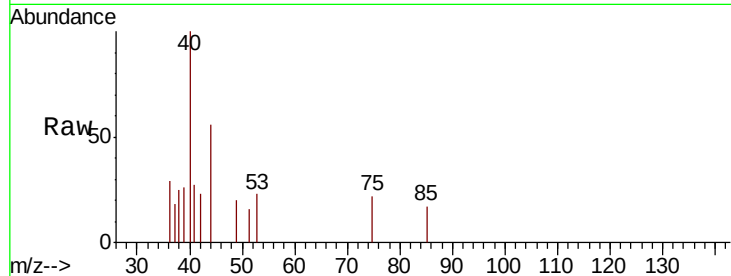


#28

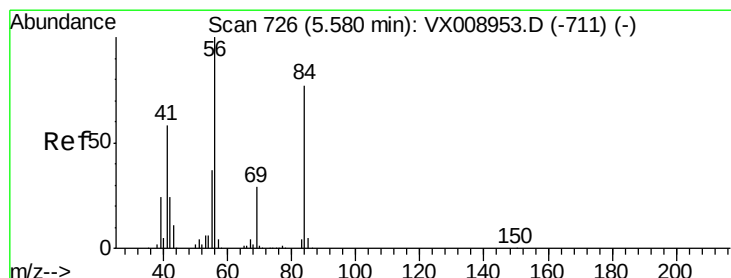
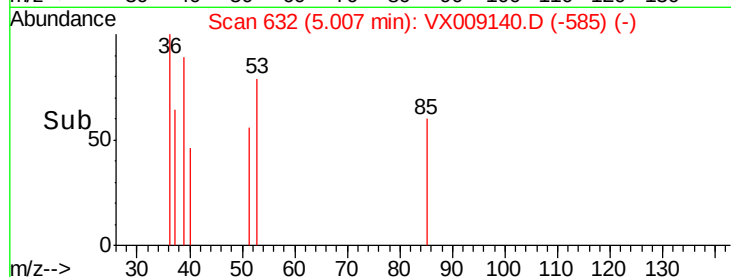
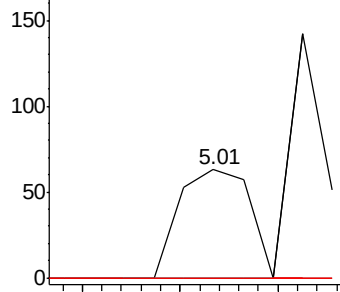
Bromochloromethane
 Concen: Below Cal
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX009140.D
 Acq: 24 Apr 2019 13:14

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0018

Tgt Ion: 49 Resp: 63
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 0.0 50.4 75.6#



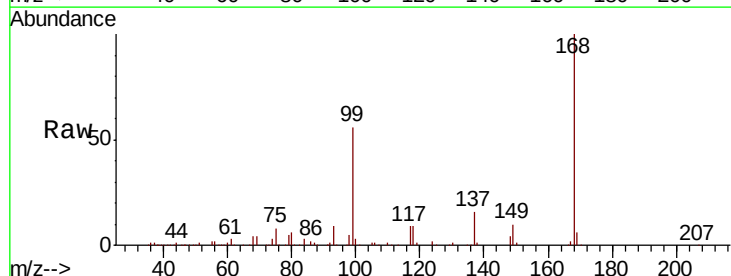
Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V



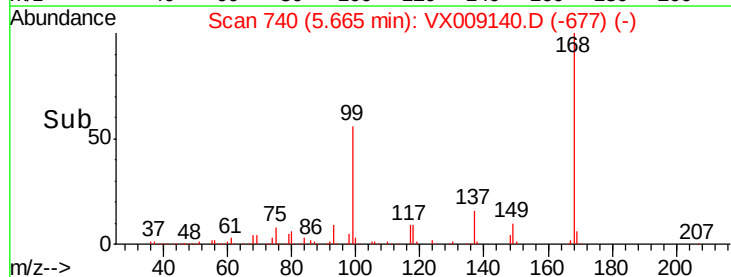
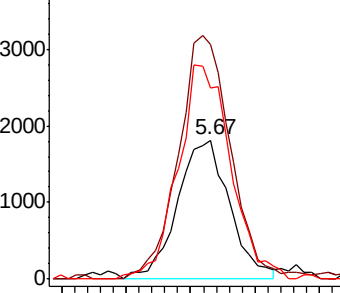
#31

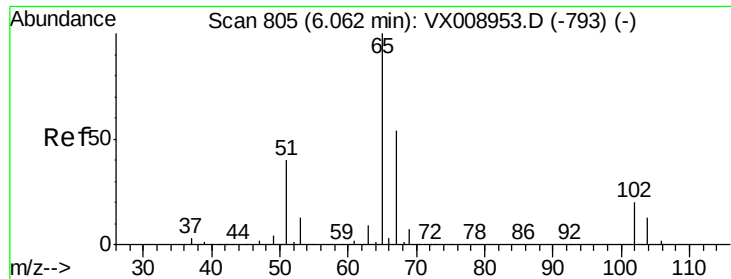
Cyclohexane
 Concen: 0.991 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.09 min
 Lab File: VX009140.D
 Acq: 24 Apr 2019 13:14

Tgt Ion: 56 Resp: 5100
 Ion Ratio Lower Upper
 56 100
 69 168.5 23.3 34.9#
 84 134.6 61.7 92.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 69.00 (68.70 to 69.70): VX0
 Ion 84.00 (83.70 to 84.70): VX0

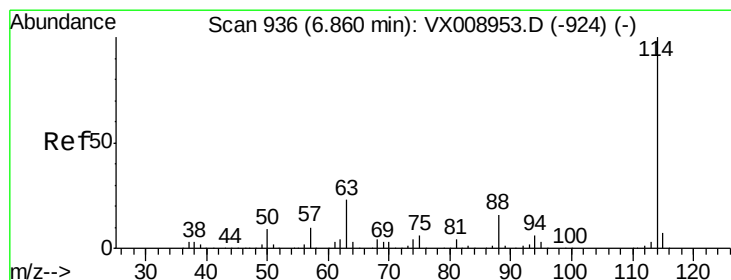
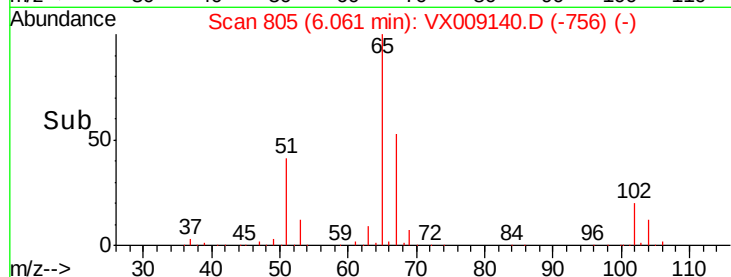
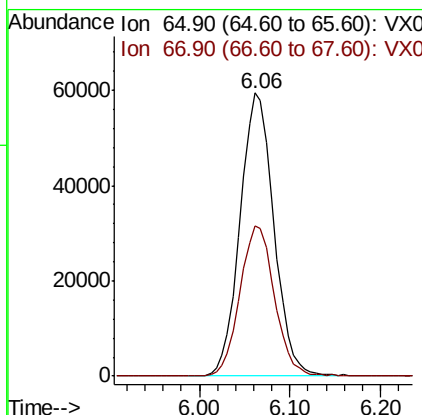
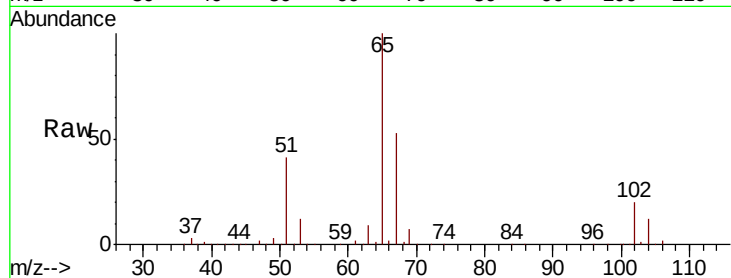




#33
 1,2-Dichloroethane-d4
 Concen: 47.534 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009140.D
 Acq: 24 Apr 2019 13:14

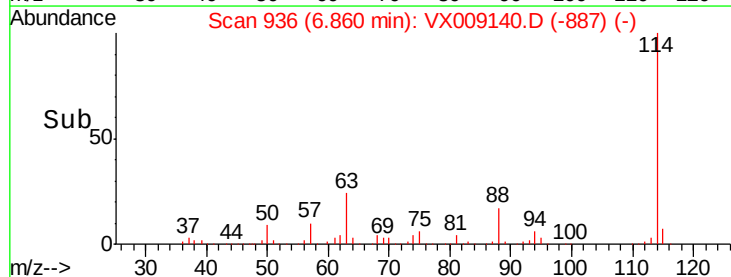
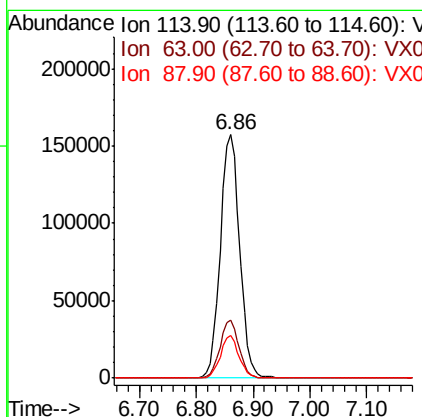
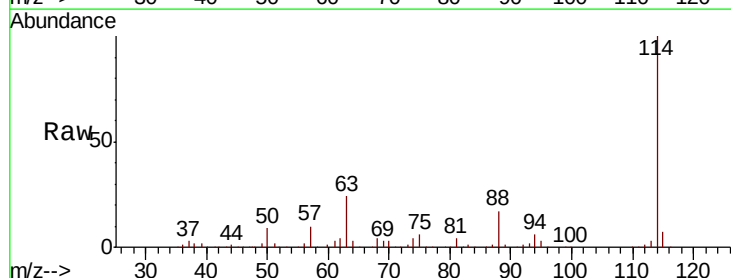
Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0018

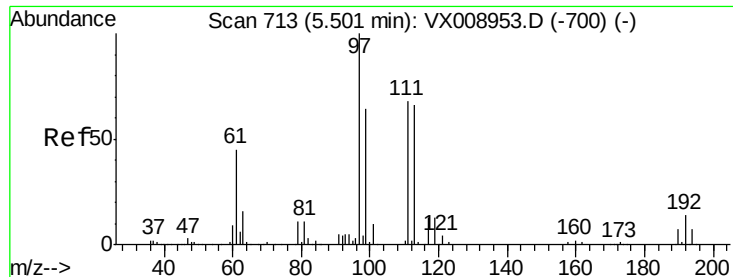
Tgt Ion: 65 Resp: 153617
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009140.D
 Acq: 24 Apr 2019 13:14

Tgt Ion: 114 Resp: 371200
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 46.0
 88 17.4 0.0 32.6

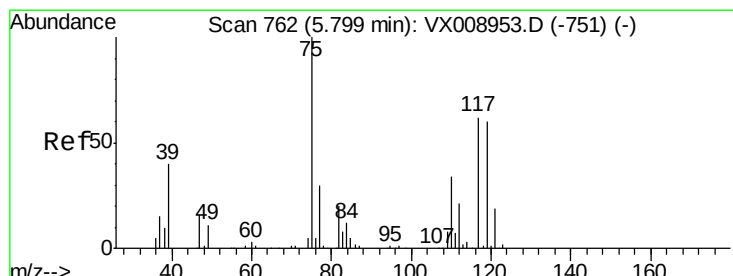
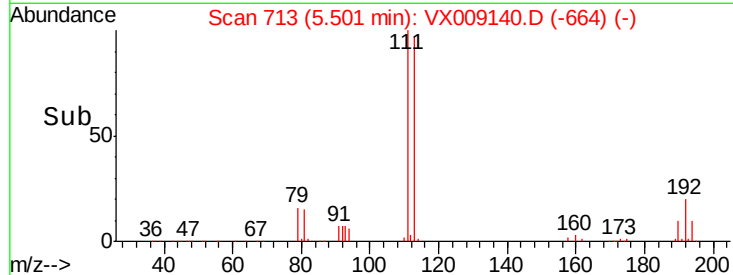
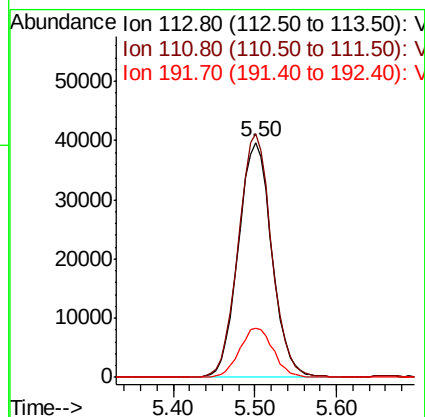
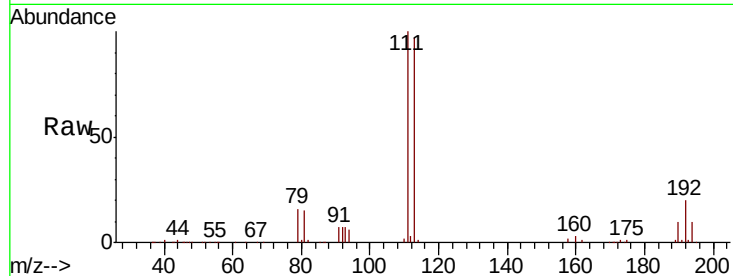




#35
 Dibromofluoromethane
 Concen: 47.454 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009140.D
 Acq: 24 Apr 2019 13:14

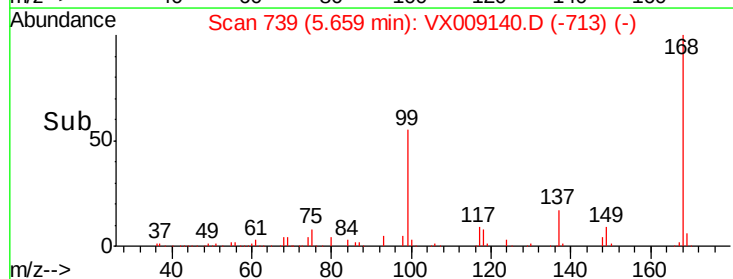
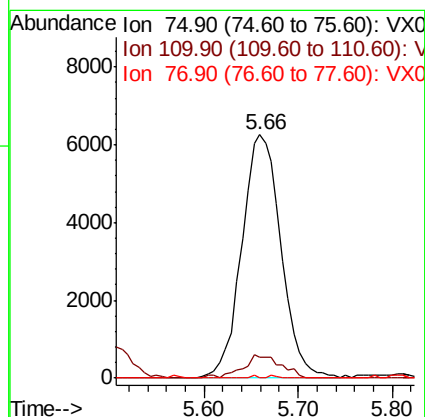
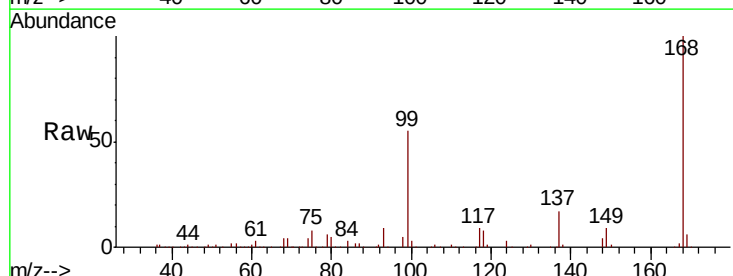
Instrument :
 MSVOA_X
 ClientSampled :
 S37-0018

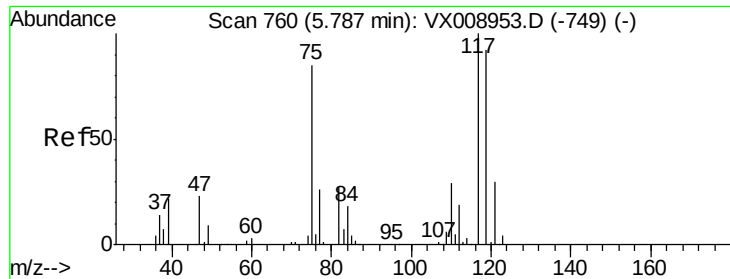
Tgt Ion:113 Resp: 113049
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.9 124.3
 192 21.1 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 4.745 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009140.D
 Acq: 24 Apr 2019 13:14

Tgt Ion: 75 Resp: 18215
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.9 50.7#
 77 0.1 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.627 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX009140.D

Acq: 24 Apr 2019 13:14

Instrument :

MSVOA_X

ClientSampleId :

S37-0018

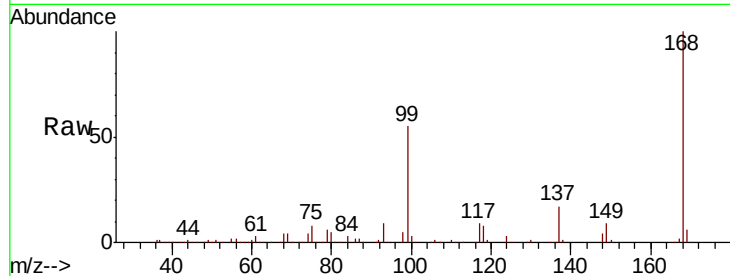
Tgt Ion: 117 Resp: 21568

Ion Ratio Lower Upper

117 100

119 5.7 73.8 110.8#

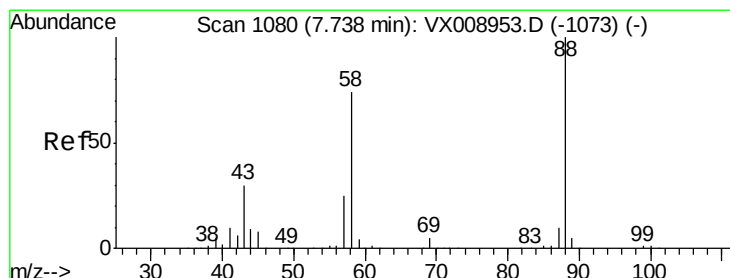
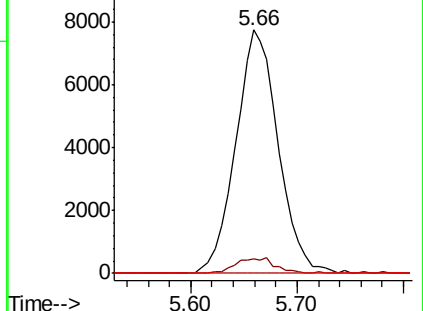
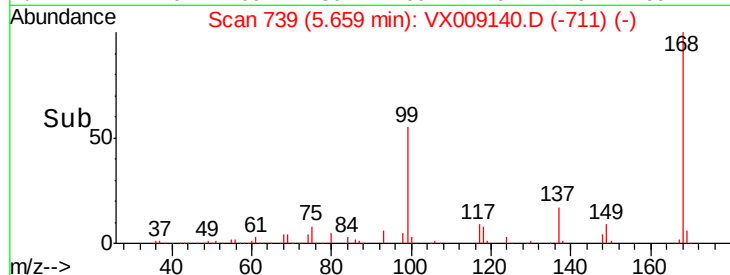
121 0.0 23.6 35.4#



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



#49

1,4-Dioxane

Concen: 0.584 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.03 min

Lab File: VX009140.D

Acq: 24 Apr 2019 13:14

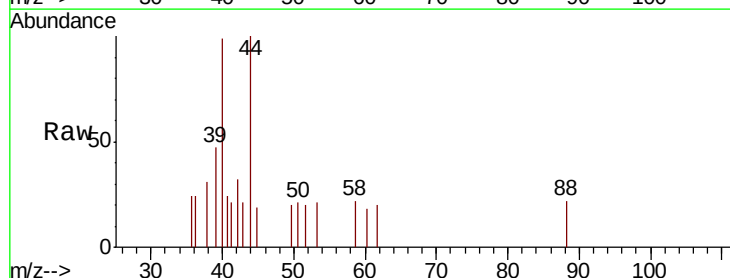
Tgt Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 120.9 29.3 43.9#

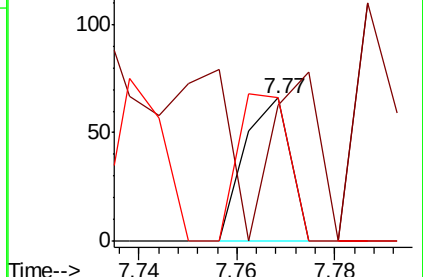
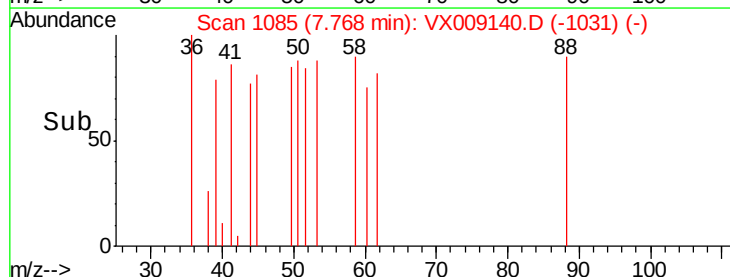
58 114.0 62.6 93.8#

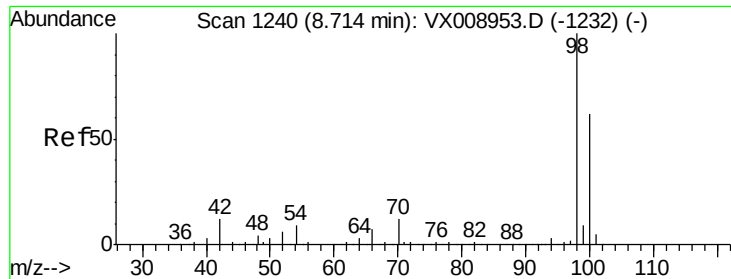


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.021 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009140.D

Acq: 24 Apr 2019 13:14

Instrument :

MSVOA_X

ClientSampleId :

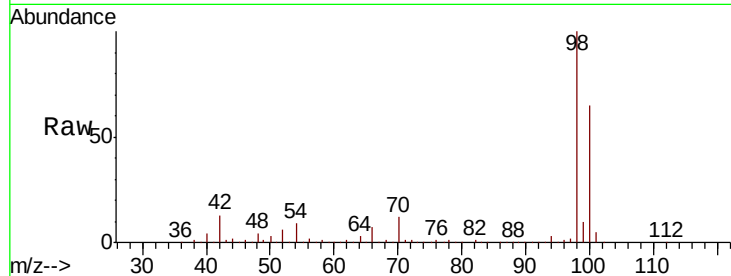
S37-0018

Tgt Ion: 98 Resp: 456229

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX008953.D (-1232) (-)

Ion 100.00 (99.70 to 100.70): VX008953.D (-1232) (-)

8.71

300000

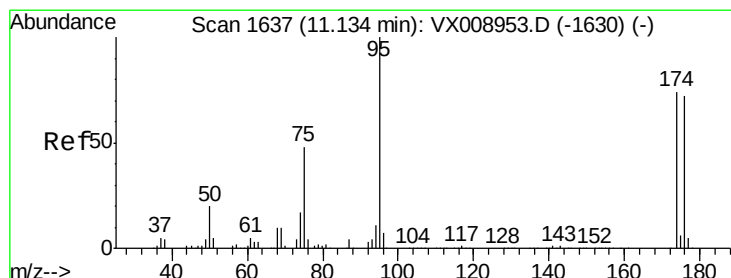
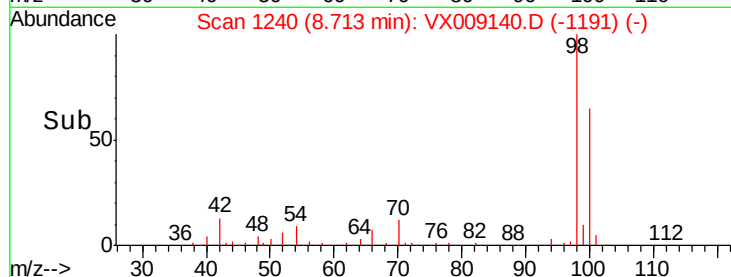
200000

100000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 42.926 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009140.D

Acq: 24 Apr 2019 13:14

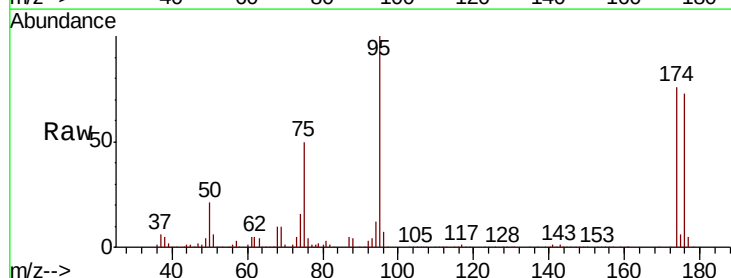
Tgt Ion: 95 Resp: 143963

Ion Ratio Lower Upper

95 100

174 80.2 0.0 159.6

176 78.0 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX008953.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008953.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008953.D (-1630) (-)

11.13

150000

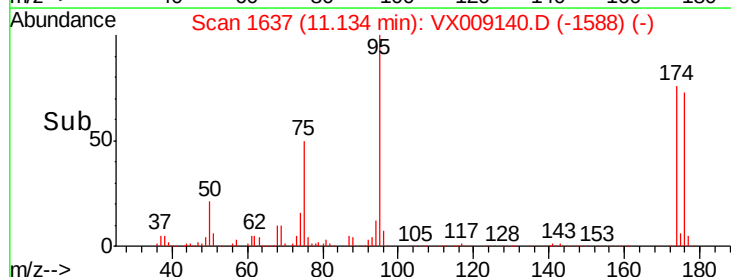
100000

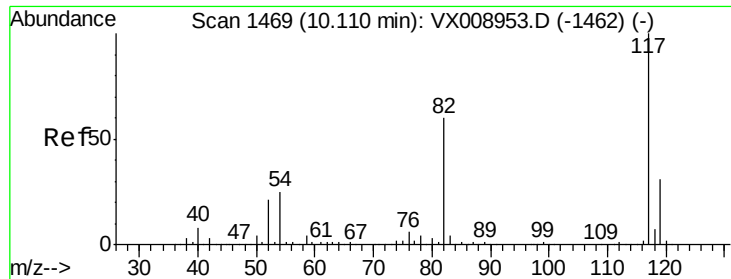
50000

0

11.05 11.10 11.15 11.20

Time-->

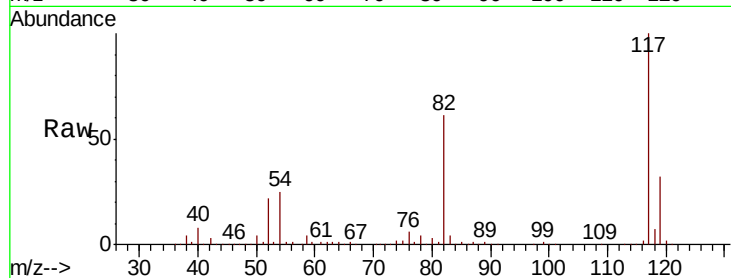




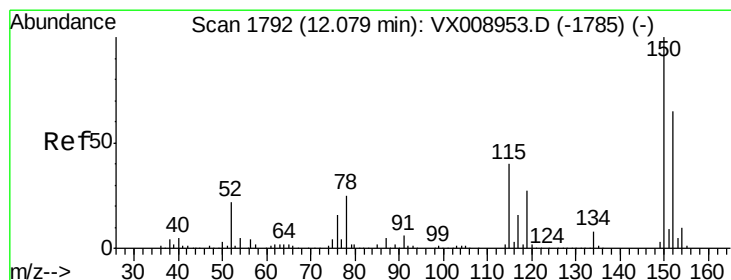
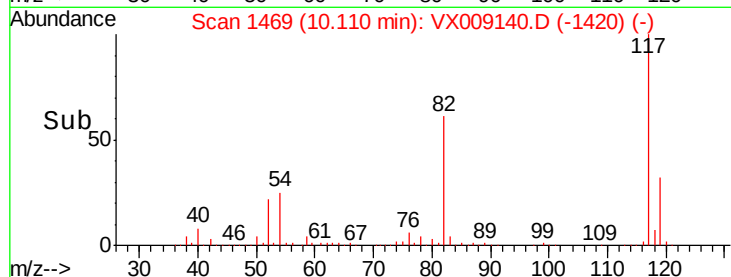
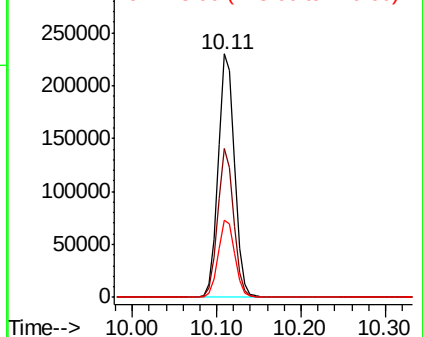
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009140.D
Acq: 24 Apr 2019 13:14

Instrument :
MSVOA_X
ClientSampleId :
S37-0018

Tgt Ion:117 Resp: 311926
Ion Ratio Lower Upper
117 100
82 61.2 48.2 72.4
119 31.8 25.0 37.6

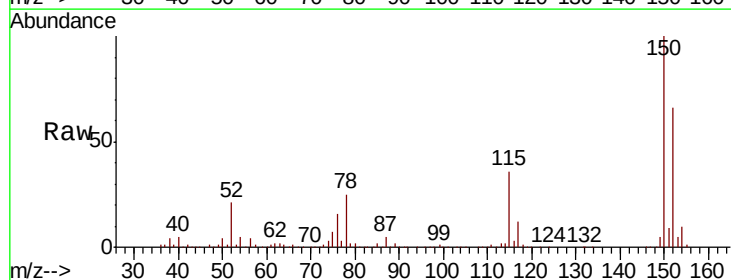


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

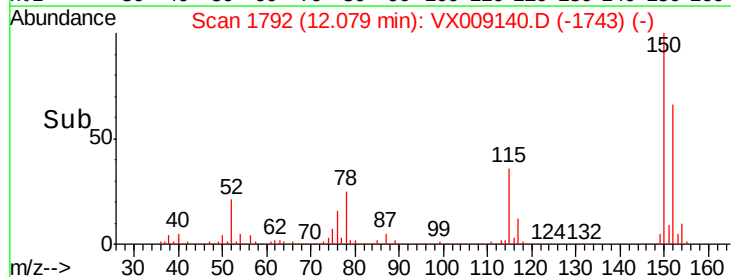
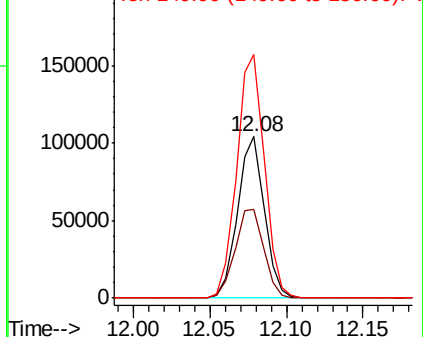


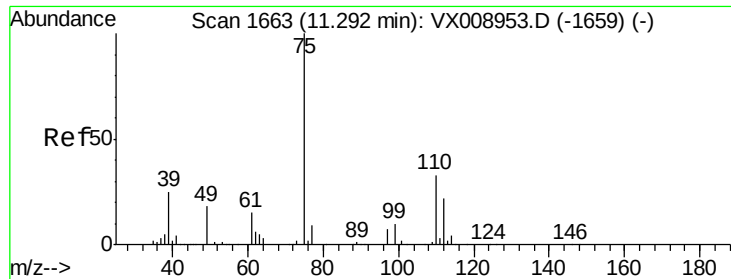
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009140.D
Acq: 24 Apr 2019 13:14

Tgt Ion:152 Resp: 126173
Ion Ratio Lower Upper
152 100
115 59.3 41.4 124.2
150 155.8 0.0 349.8



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: 23.971 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009140.D

Acq: 24 Apr 2019 13:14

Instrument :

MSVOA_X

ClientSampleId :

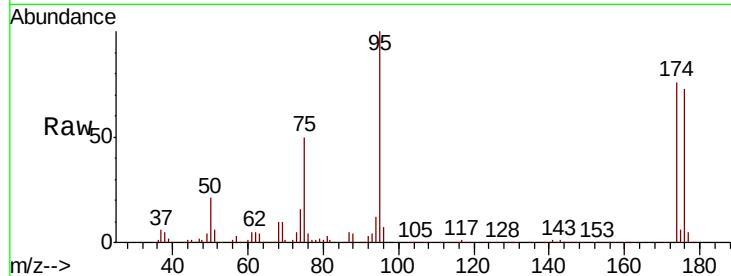
S37-0018

Tgt Ion: 75 Resp: 73853

Ion Ratio Lower Upper

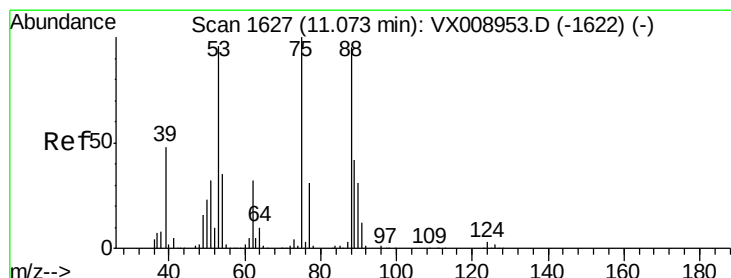
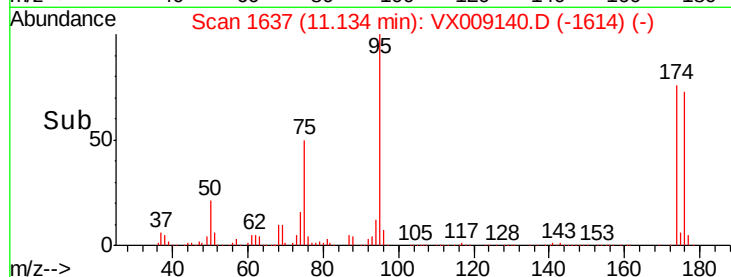
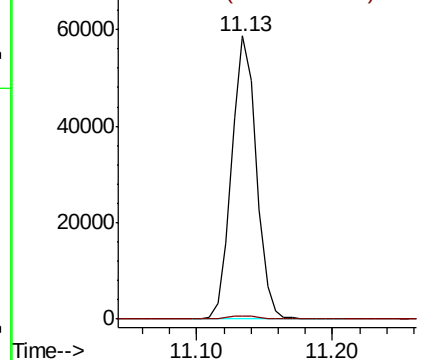
75 100

77 1.3 22.7 68.0#



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: 61.541 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009140.D

Acq: 24 Apr 2019 13:14

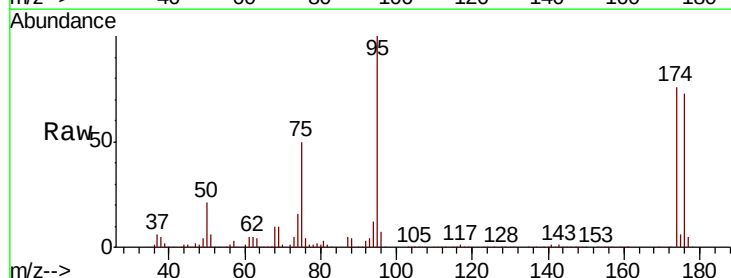
Tgt Ion: 75 Resp: 73853

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 36.0 54.0#



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

