

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102518\
 Data File : VX005588.D
 Acq On : 25 Oct 2018 14:43
 Operator : JC/MD
 Sample : J5655-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0009

Quant Time: Oct 26 05:22:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	199778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	303279	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	267661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	130419	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	126517	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	
35) Dibromofluoromethane	5.49	113	104305	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
50) Toluene-d8	8.71	98	354397	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
62) 4-Bromofluorobenzene	11.14	95	118549	42.54	ug/l	0.00
Spiked Amount			Recovery	=	85.08%	

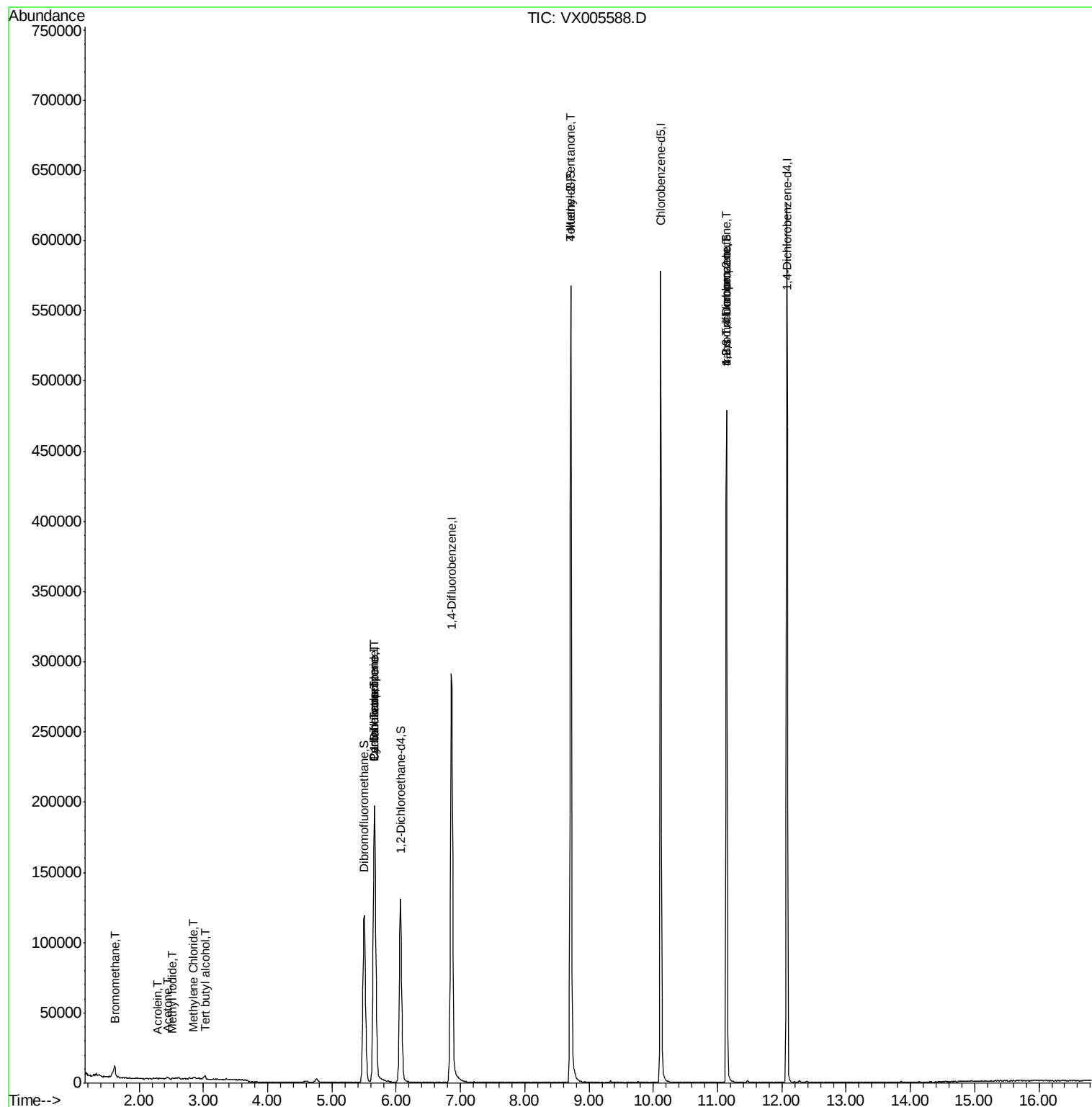
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	426	0.277	ug/l	98
10) Methyl Iodide	2.52	142	239	2.835	ug/l #	39
11) Tert butyl alcohol	3.02	59	1380	2.103	ug/l #	77
13) Acrolein	2.29	56	86	0.257	ug/l #	64
16) Acetone	2.45	43	1052	0.816	ug/l	90
18) Methyl Acetate	2.78	43	404	Below Cal		97
20) Methylene Chloride	2.85	84	539	0.250	ug/l	86
31) Cyclohexane	5.66	56	3993	1.215	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14432	4.904	ug/l #	49
38) Carbon Tetrachloride	5.66	117	18279	5.897	ug/l #	15
51) 4-Methyl-2-Pentanone	8.71	43	1722	0.455	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	59560	21.554	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	59560	70.429	ug/l #	9

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005588.D

Acq: 25 Oct 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

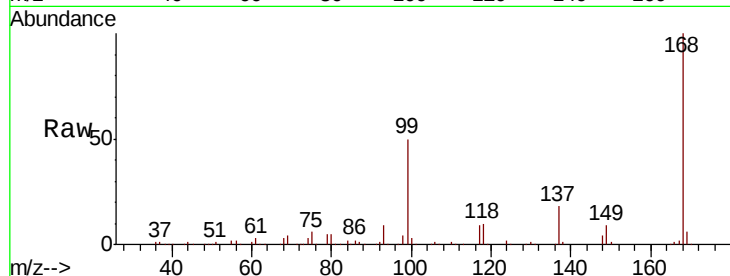
S37-0009

Tot Ion:168 Resp: 199778

Ion Ratio Lower Upper

168 100

99 49.8 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

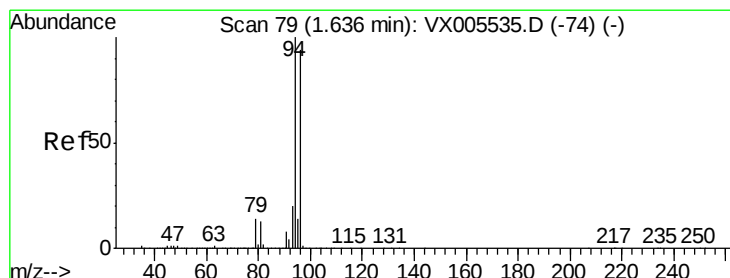
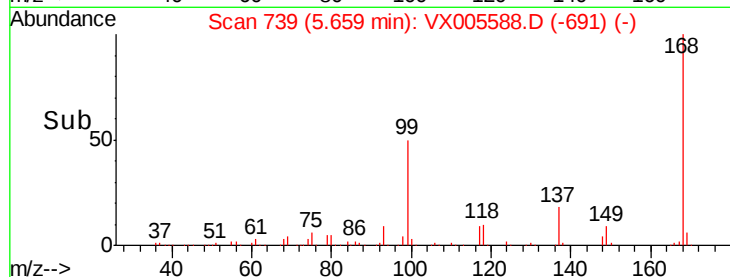
40000

20000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: 0.277 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005588.D

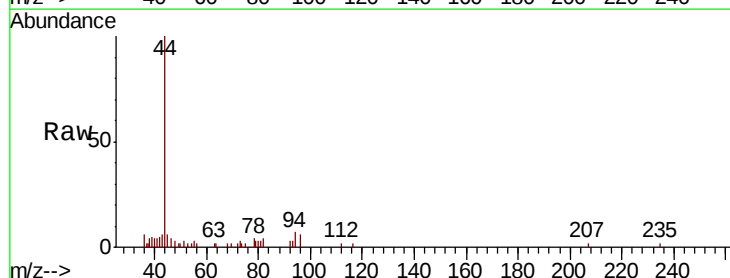
Acq: 25 Oct 2018 14:43

Tgt Ion: 94 Resp: 426

Ion Ratio Lower Upper

94 100

96 92.1 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

150

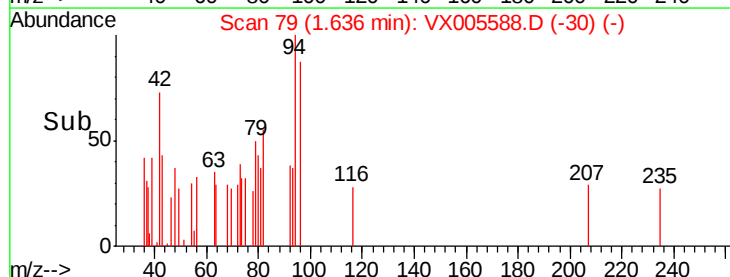
100

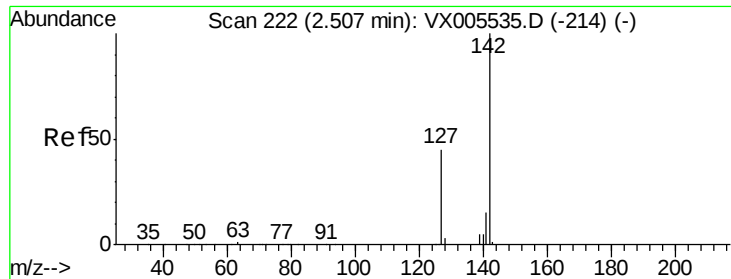
50

0

Time-->

1.60 1.65

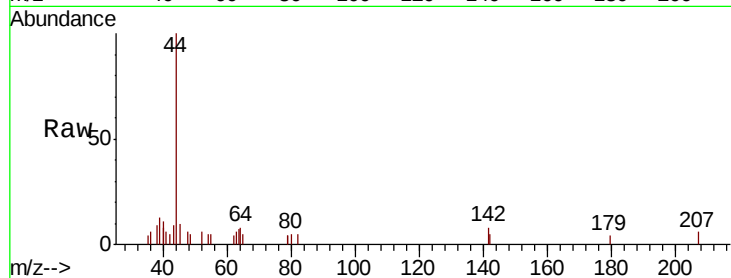




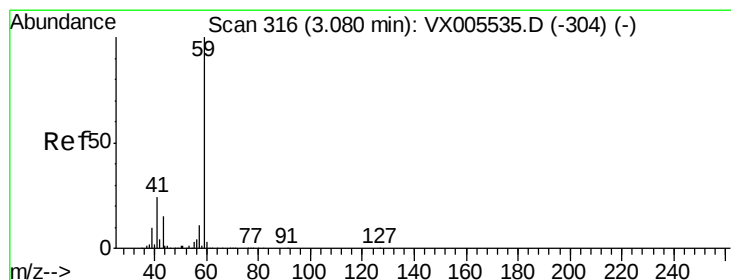
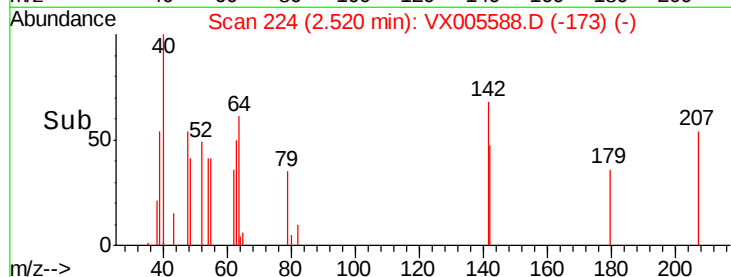
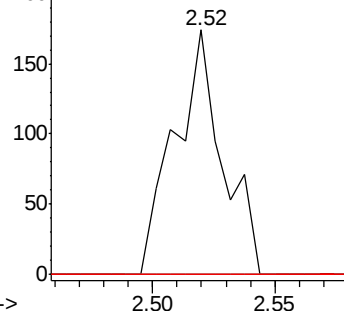
#10
Methvl Iodide
Concen: 2.835 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX005588.D
Acq: 25 Oct 2018 14:43

Instrument :
MSVOA_X
ClientSampleId :
S37-0009

Tot Ion:142 Resp: 239
Ion Ratio Lower Upper
142 100
127 0.0 36.0 54.0#
141 0.0 11.7 17.5#

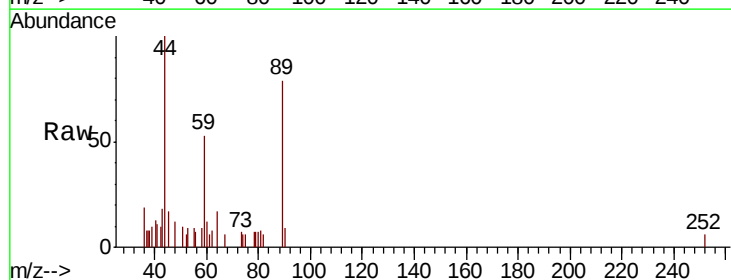


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

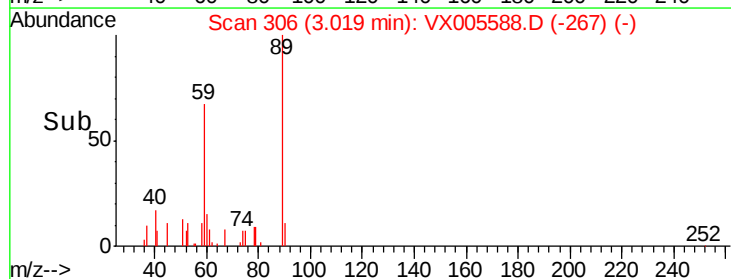
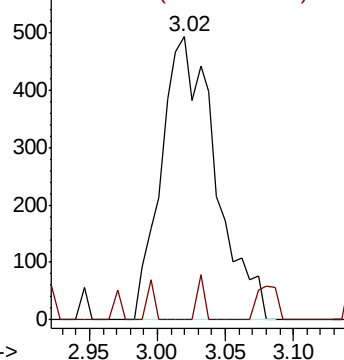


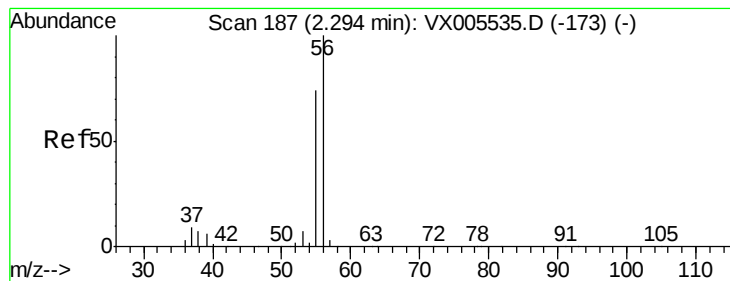
#11
Tert butyl alcohol
Concen: 2.103 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005588.D
Acq: 25 Oct 2018 14:43

Tgt Ion: 59 Resp: 1380
Ion Ratio Lower Upper
59 100
57 2.1 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.257 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX005588.D

Acq: 25 Oct 2018 14:43

Instrument :

MSVOA_X

ClientSampled :

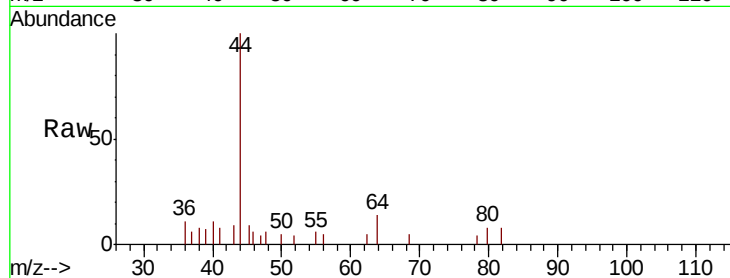
S37-0009

Tot Ion: 56 Resp: 86

Ion Ratio Lower Upper

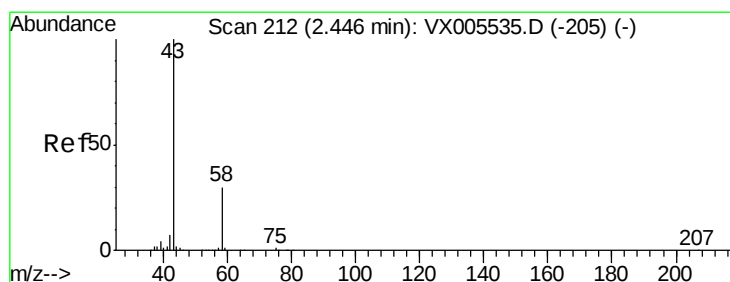
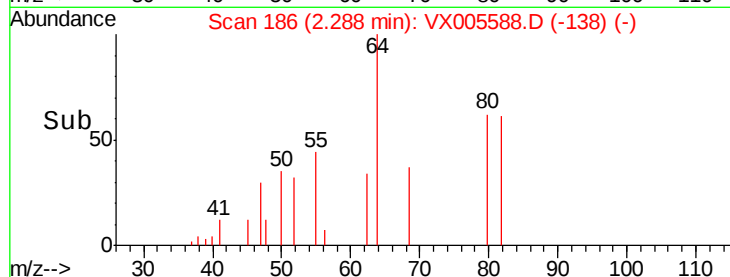
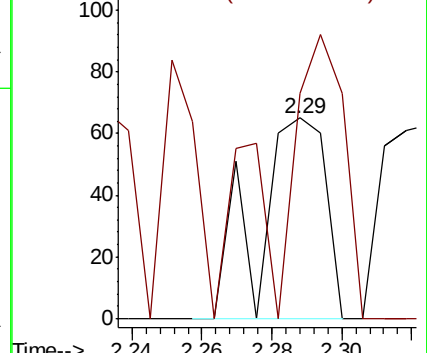
56 100

55 101.2 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.816 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005588.D

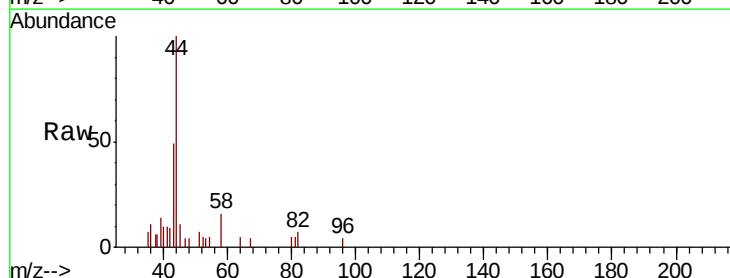
Acq: 25 Oct 2018 14:43

Tgt Ion: 43 Resp: 1052

Ion Ratio Lower Upper

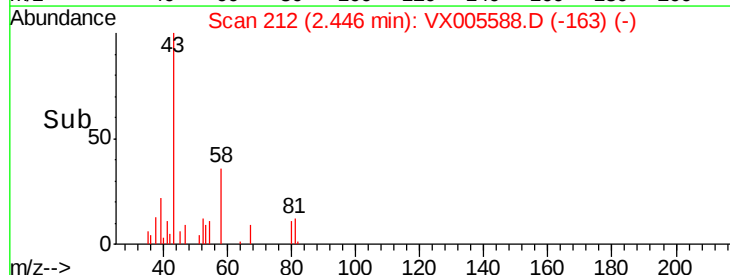
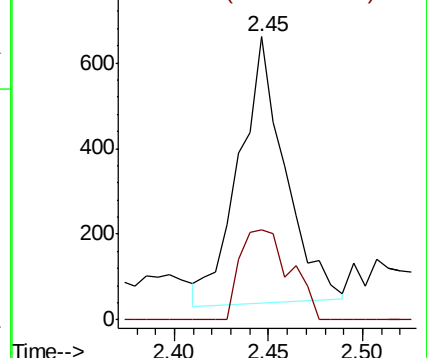
43 100

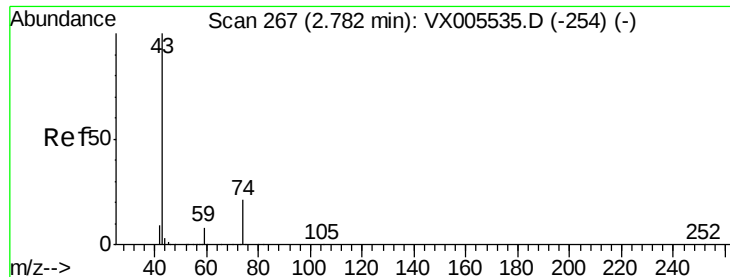
58 34.9 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005588.D

Acq: 25 Oct 2018 14:43

Instrument :

MSVOA_X

ClientSampled :

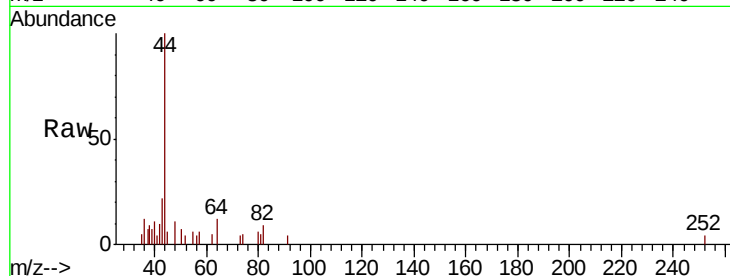
S37-0009

Tot Ion: 43 Resp: 404

Ion Ratio Lower Upper

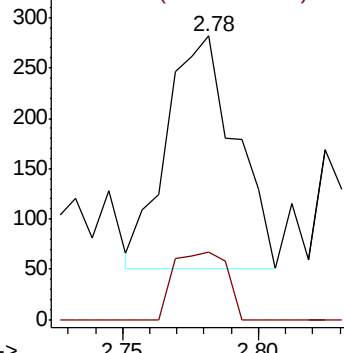
43 100

74 22.5 16.8 25.2

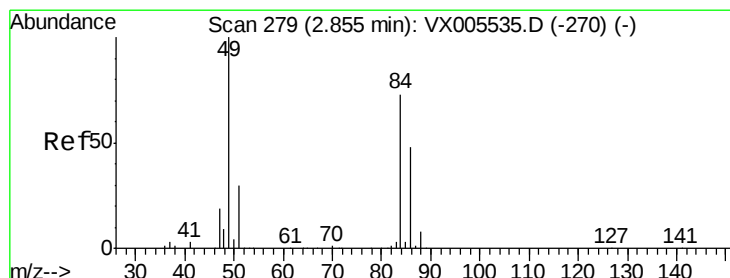
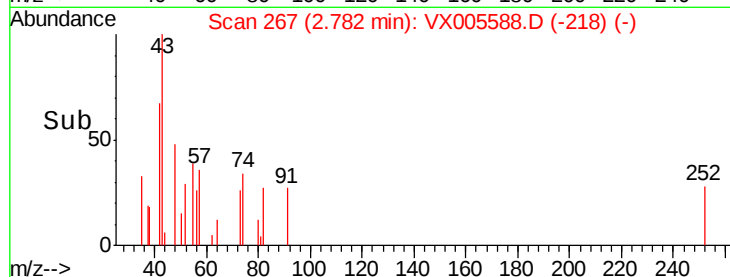


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->



#20

Methylene Chloride

Concen: 0.250 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX005588.D

Acq: 25 Oct 2018 14:43

Tgt Ion: 84 Resp: 539

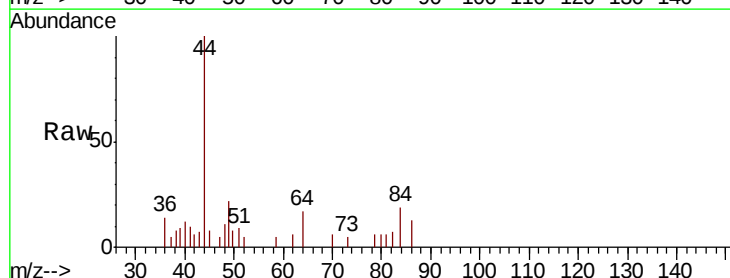
Ion Ratio Lower Upper

84 100

49 113.6 109.5 164.3

51 48.6 33.3 49.9

86 68.7 52.7 79.1

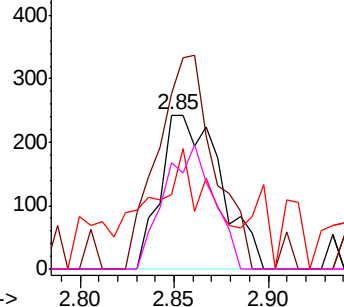


Abundance Ion 83.90 (83.60 to 84.60): VX0

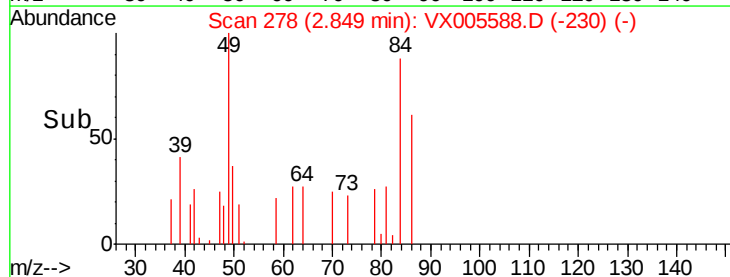
Ion 48.90 (48.60 to 49.60): VX0

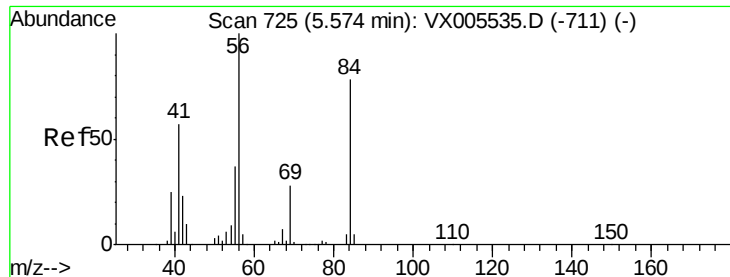
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time-->

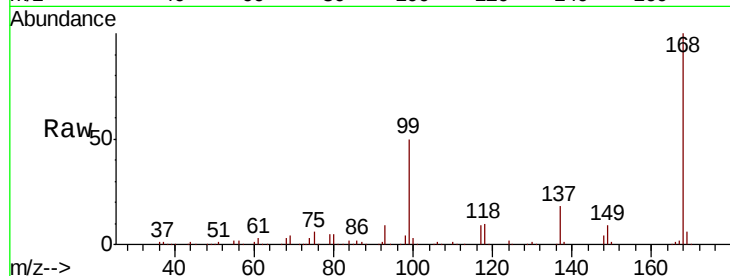




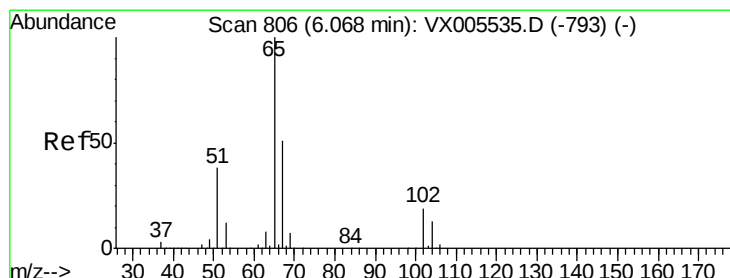
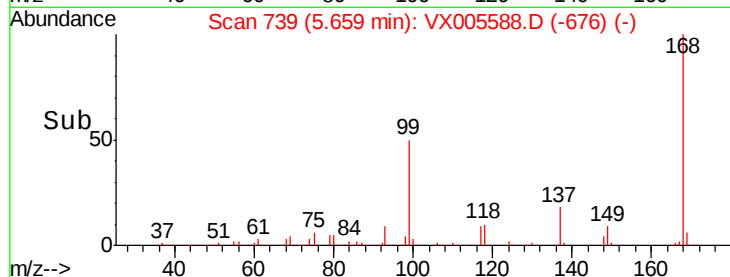
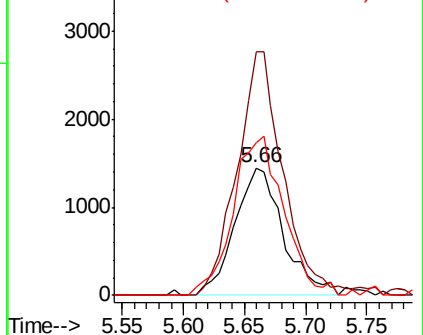
#31
Cyclohexane
Concen: 1.215 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005588.D
Acq: 25 Oct 2018 14:43

Instrument :
MSVOA_X
ClientSampled :
S37-0009

Tot Ion: 56 Resp: 3993
Ion Ratio Lower Upper
56 100
69 191.1 22.6 34.0#
84 120.0 62.7 94.1#

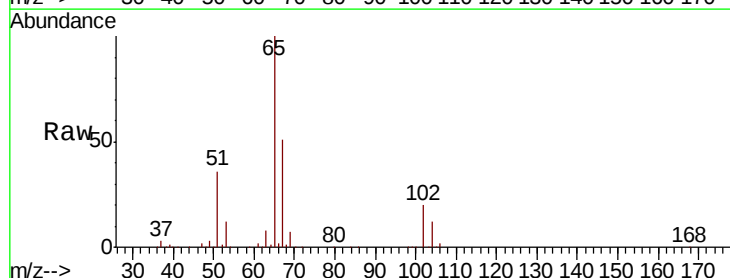


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

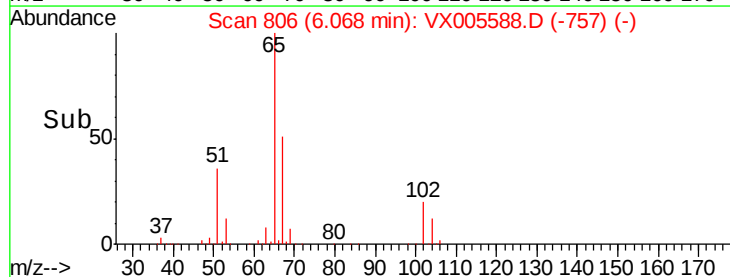
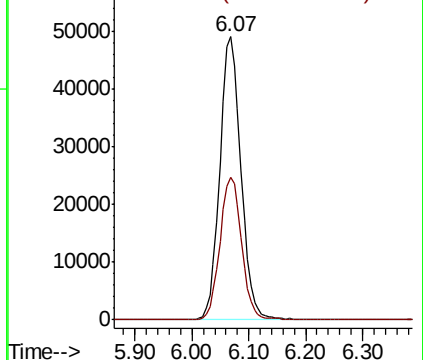


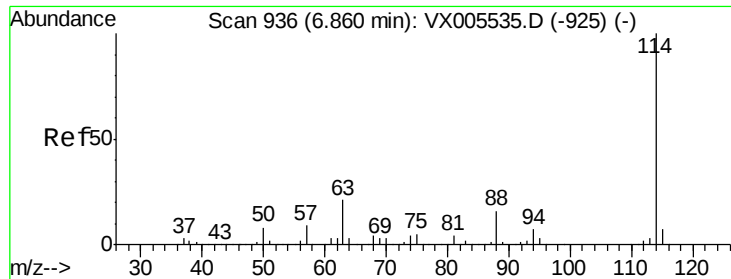
#33
1,2-Dichloroethane-d4
Concen: 51.879 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX005588.D
Acq: 25 Oct 2018 14:43

Tgt Ion: 65 Resp: 126517
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

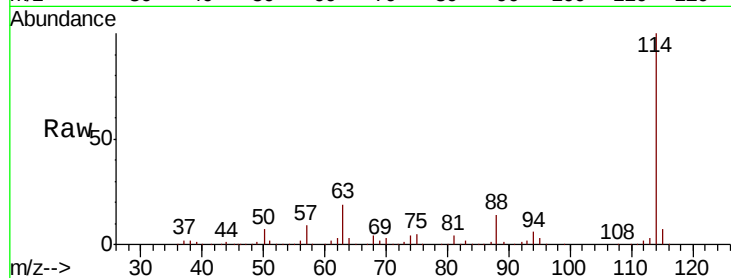




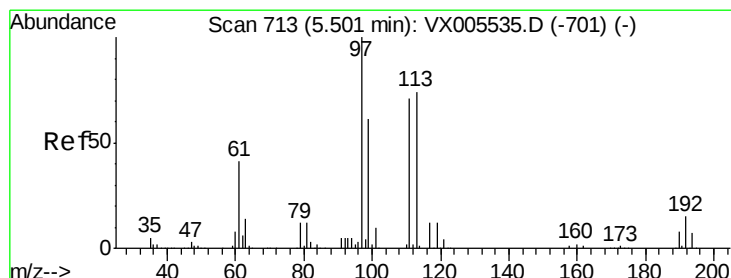
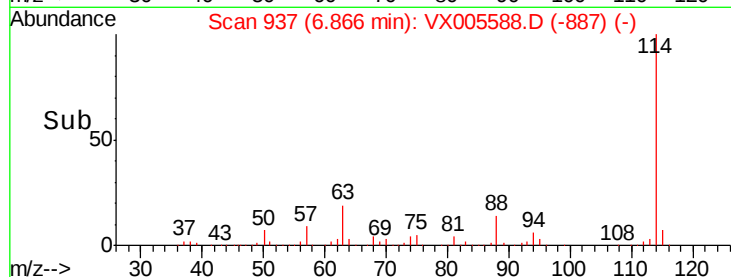
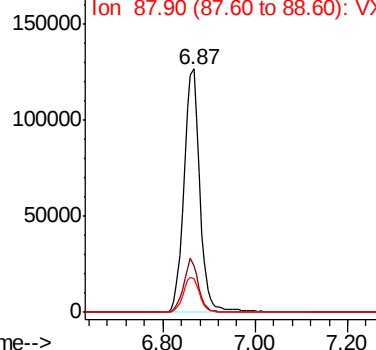
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 937
Delta R.T. 0.01 min
Lab File: VX005588.D
Acq: 25 Oct 2018 14:43

Instrument :
MSVOA_X
ClientSampleId :
S37-0009

Tot Ion:114 Resp: 303279
Ion Ratio Lower Upper
114 100
63 19.2 0.0 42.8
88 13.7 0.0 31.2

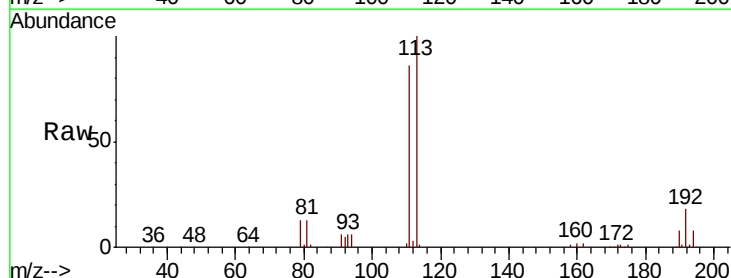


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

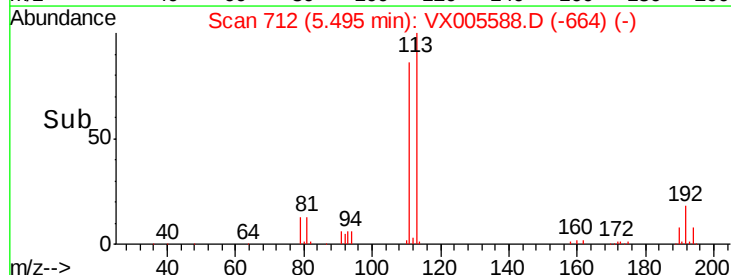
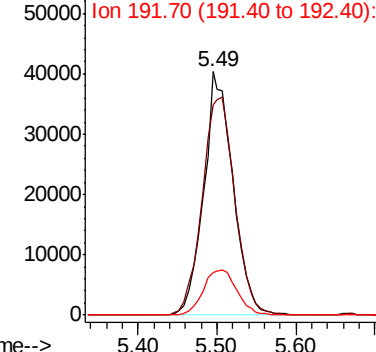


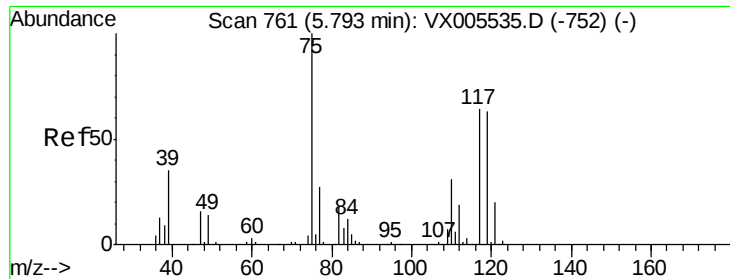
#35
Dibromofluoromethane
Concen: 50.793 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX005588.D
Acq: 25 Oct 2018 14:43

Tgt Ion:113 Resp: 104305
Ion Ratio Lower Upper
113 100
111 99.5 82.3 123.5
192 21.4 17.9 26.9



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

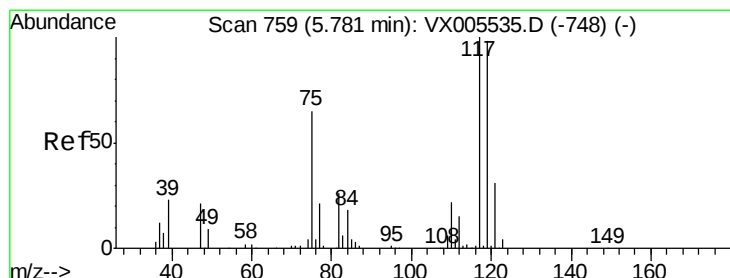
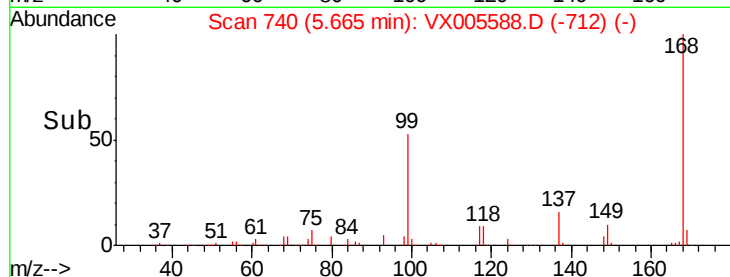
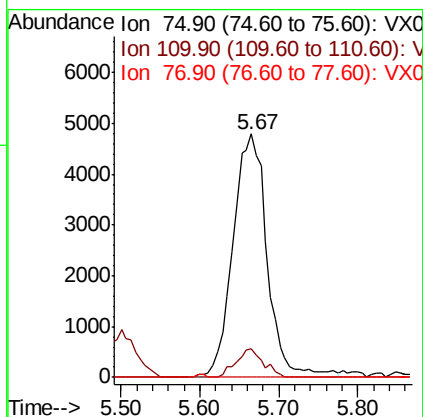
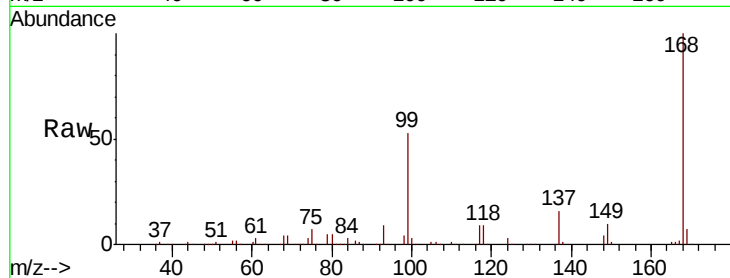




#36
 1,1-Dichloropropene
 Concen: 4.904 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005588.D
 Acq: 25 Oct 2018 14:43

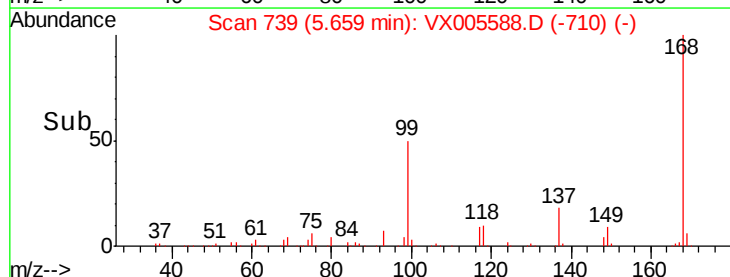
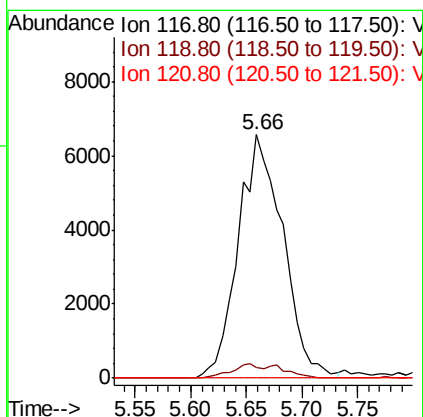
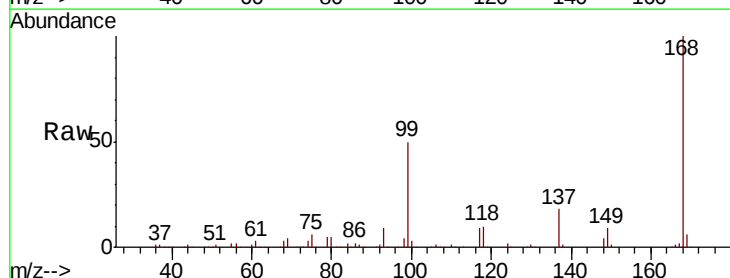
Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0009

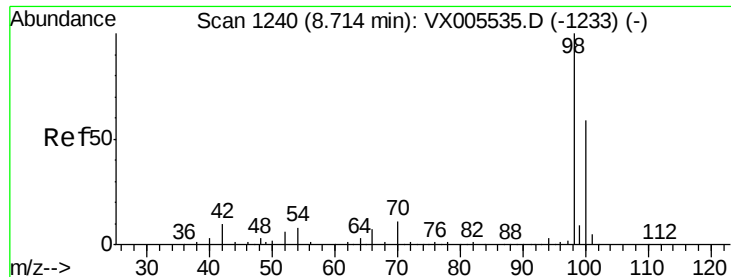
Tot Ion: 75 Resp: 14432
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.4 52.2#
 77 0.0 25.8 38.6#



#38
 Carbon Tetrachloride
 Concen: 5.897 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005588.D
 Acq: 25 Oct 2018 14:43

Tgt Ion: 117 Resp: 18279
 Ion Ratio Lower Upper
 117 100
 119 4.2 78.1 117.1#
 121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 48.029 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005588.D

Acq: 25 Oct 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

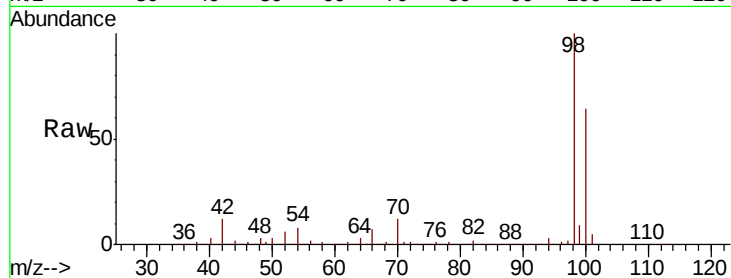
S37-0009

Tot Ion: 98 Resp: 354397

Ion Ratio Lower Upper

98 100

100 62.8 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

250000

200000

150000

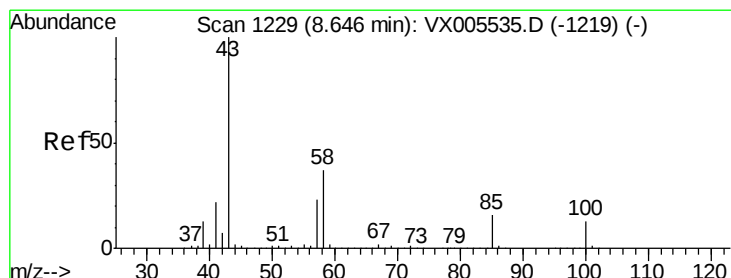
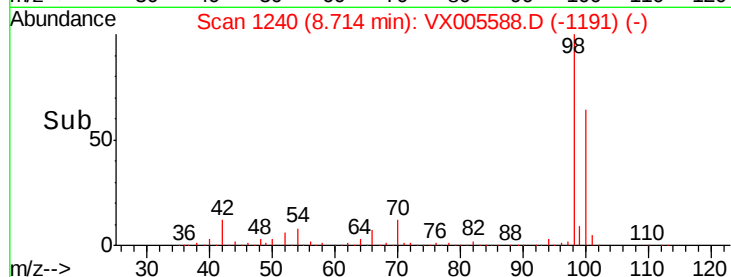
100000

50000

0

8.60 8.70 8.80 8.90 9.00

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.455 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.07 min

Lab File: VX005588.D

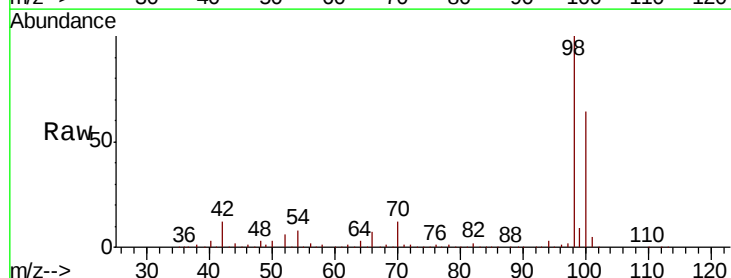
Acq: 25 Oct 2018 14:43

Tgt Ion: 43 Resp: 1722

Ion Ratio Lower Upper

43 100

58 169.5 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2000

1500

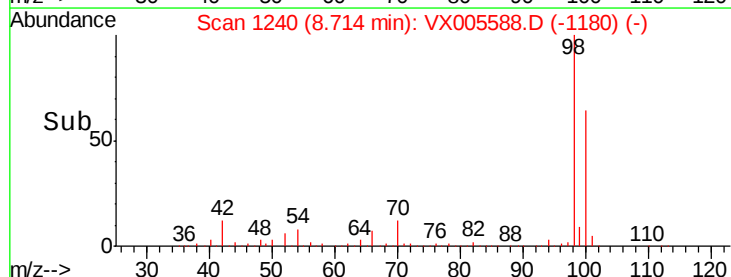
1000

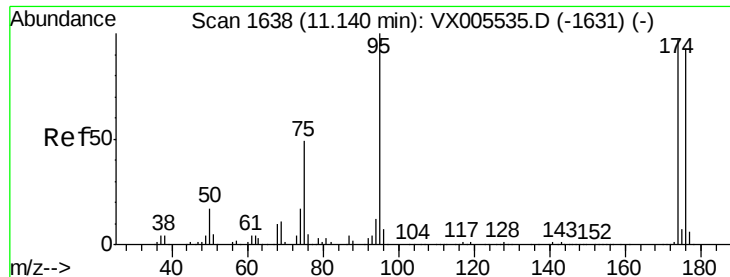
500

0

8.65 8.70 8.75

Time-->

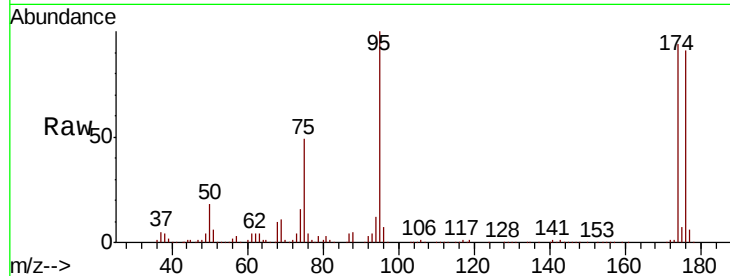




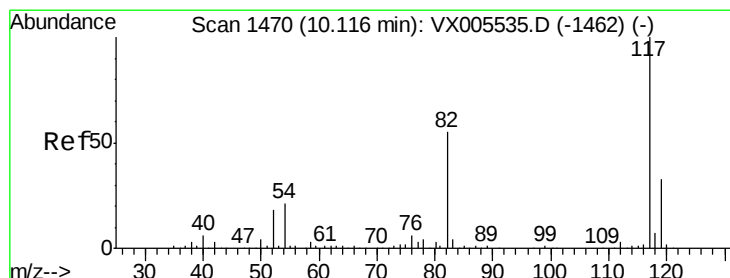
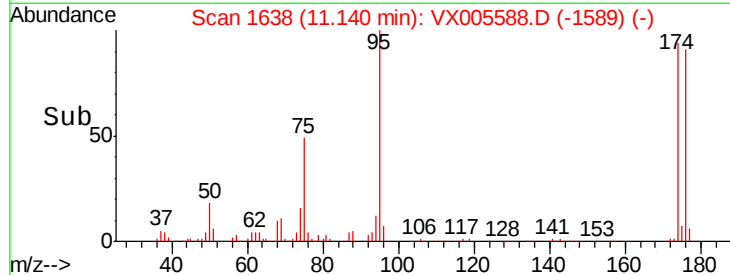
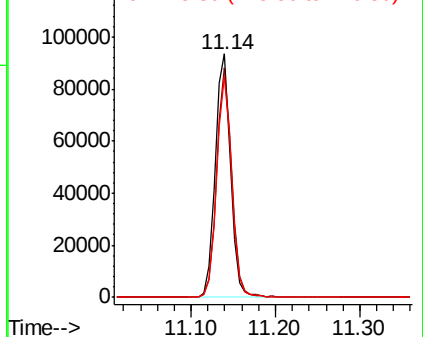
#62
4-Bromofluorobenzene
Concen: 42.543 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005588.D
Acq: 25 Oct 2018 14:43

Instrument :
MSVOA_X
ClientSampleId :
S37-0009

Tot Ion: 95 Resp: 118549
Ion Ratio Lower Upper
95 100
174 92.6 0.0 184.4
176 89.1 0.0 177.4

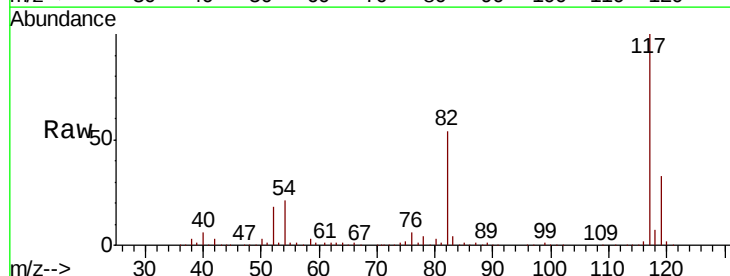


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

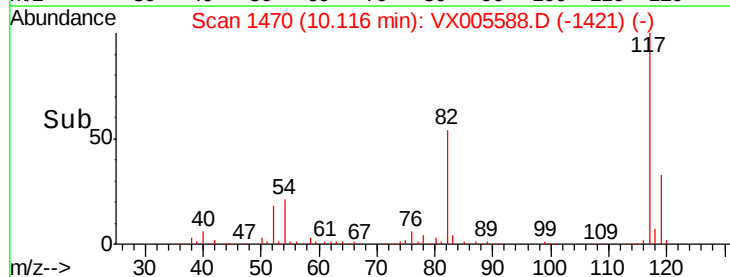
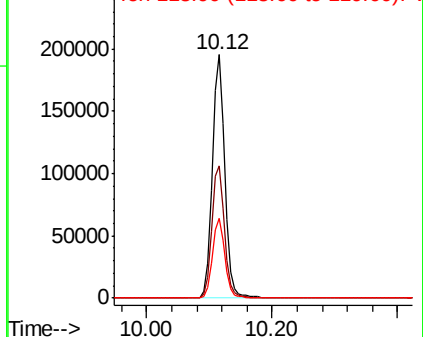


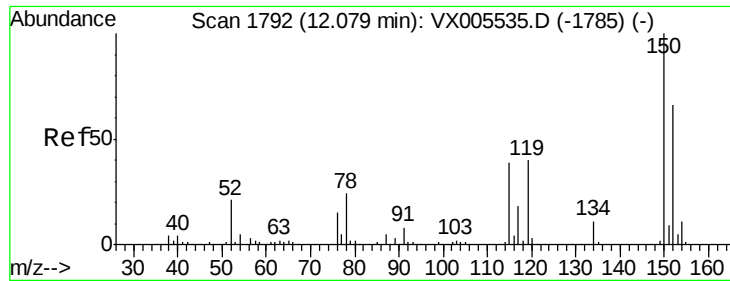
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005588.D
Acq: 25 Oct 2018 14:43

Tgt Ion: 117 Resp: 267661
Ion Ratio Lower Upper
117 100
82 54.3 44.1 66.1
119 33.0 26.2 39.2



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: VX005588.D

Acq: 25 Oct 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

S37-0009

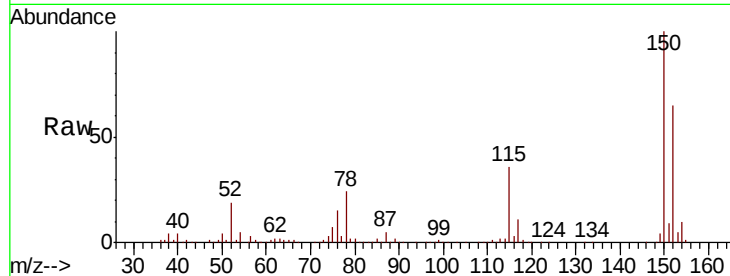
Tot Ion:152 Resp: 130419

Ion Ratio Lower Upper

152 100

115 55.7 39.4 118.1

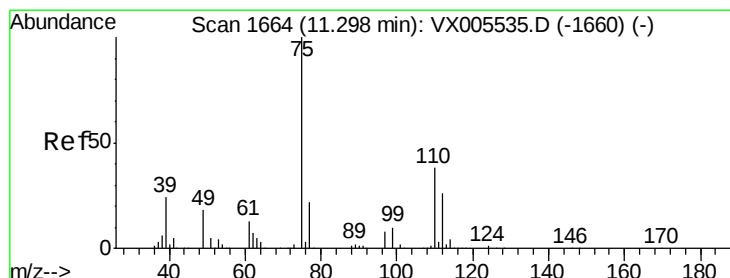
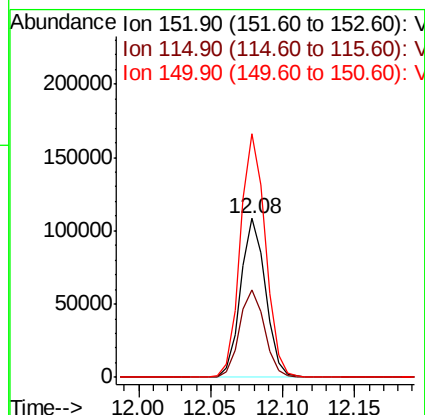
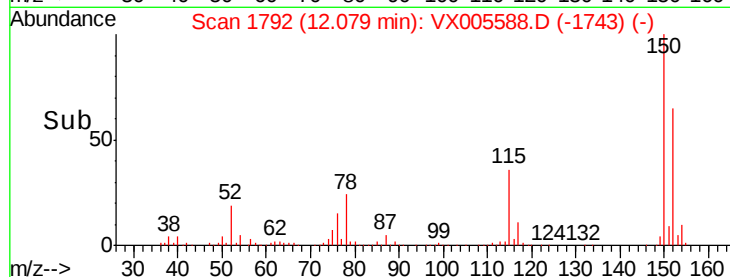
150 155.3 0.0 346.4



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: 21.554 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005588.D

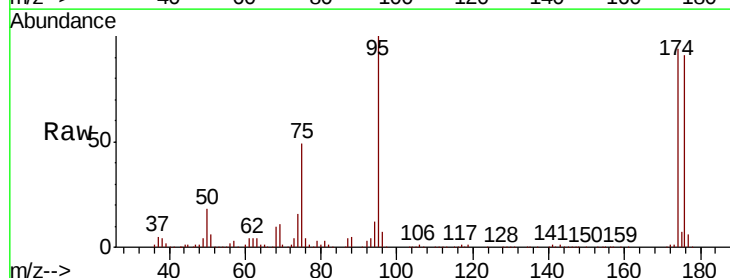
Acq: 25 Oct 2018 14:43

Tgt Ion: 75 Resp: 59560

Ion Ratio Lower Upper

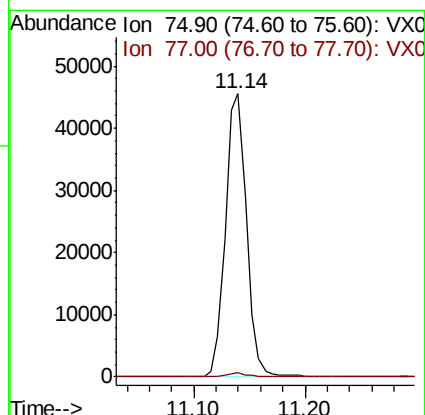
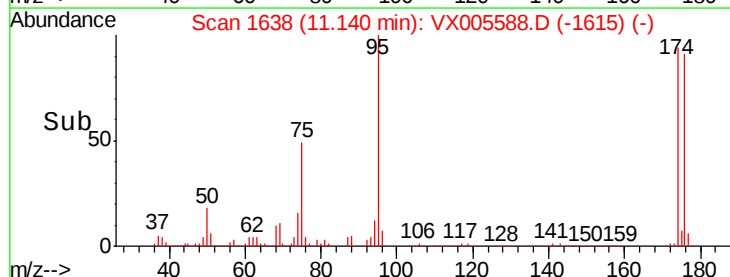
75 100

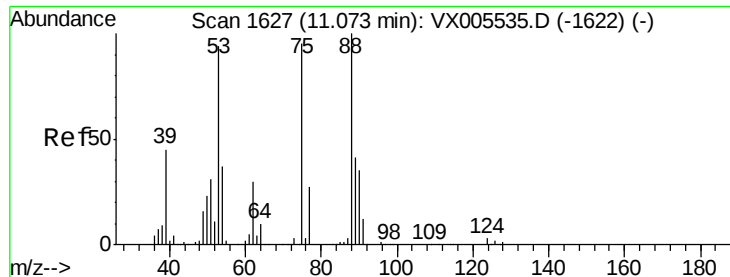
77 1.4 20.5 61.6#



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: 70.429 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005588.D

Acq: 25 Oct 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

S37-0009

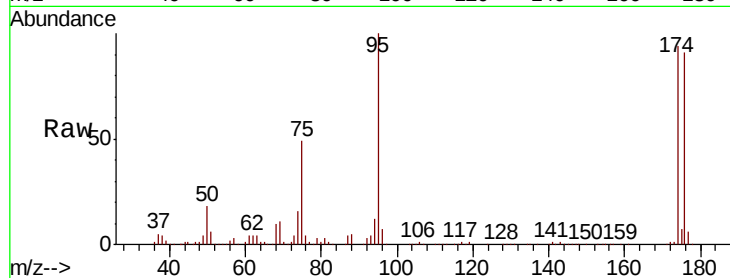
Tot Ion: 75 Resp: 59560

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.2#

89 0.0 39.8 59.8#



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

