

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031319\
 Data File : VX008047.D
 Acq On : 13 Mar 2019 14:25
 Operator : JC/SP
 Sample : K1793-16DL 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-20190306DL

Quant Time: Mar 14 04:17:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	259392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	400289	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	380473	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186650	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	136981	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
35) Dibromofluoromethane	5.50	113	129254	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
50) Toluene-d8	8.71	98	485998	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
62) 4-Bromofluorobenzene	11.13	95	180535	54.76	ug/l	0.00
Spiked Amount			Recovery	=	109.52%	

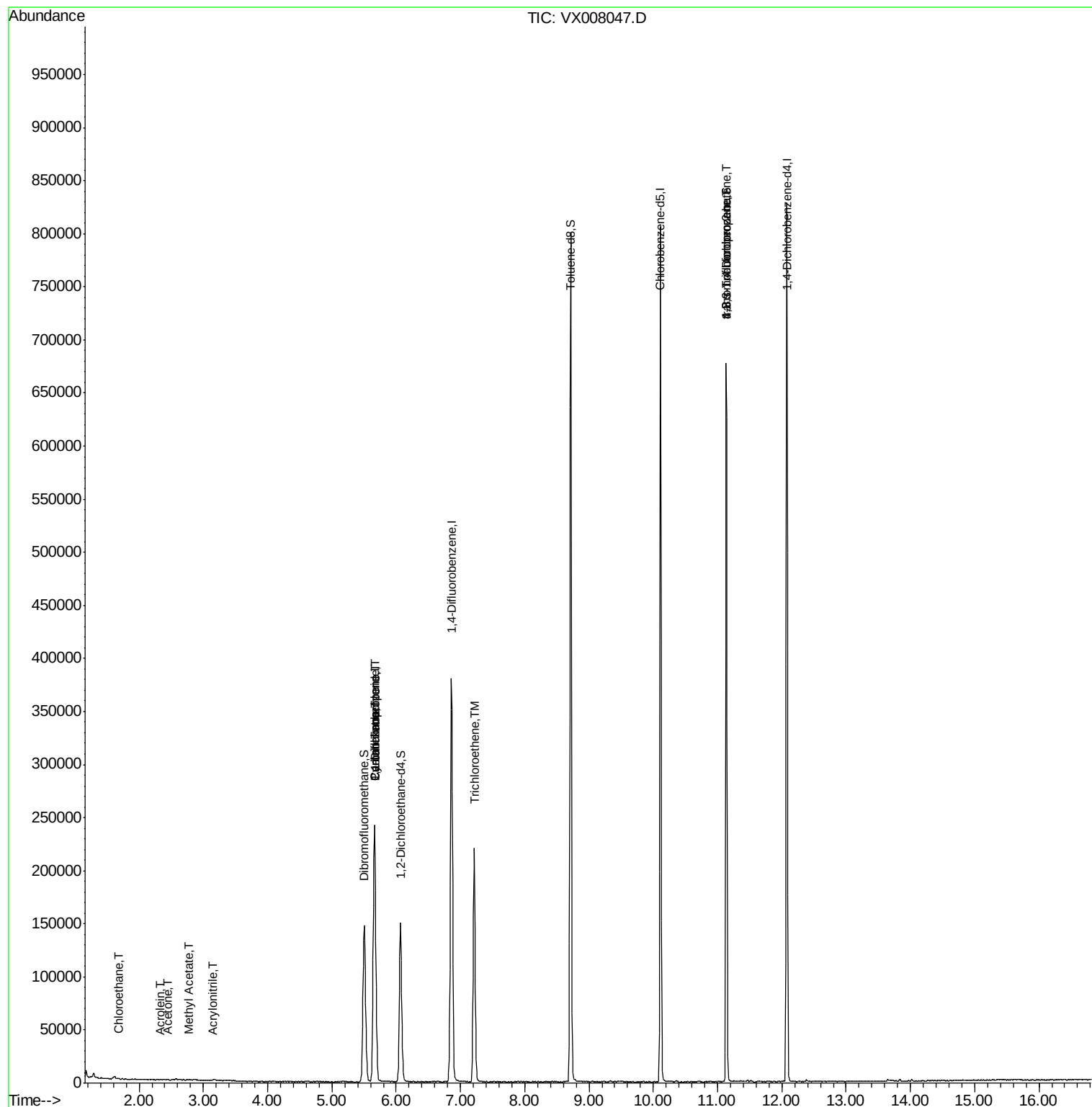
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	407	Below Cal	#	70
6) Chloroethane	1.70	64	1127	0.598	ug/l #	88
13) Acrolein	2.34	56	21	1.602	ug/l #	78
15) Acrylonitrile	3.14	53	432	0.280	ug/l #	90
16) Acetone	2.45	43	570	0.360	ug/l	91
17) Carbon Disulfide	2.57	76	1171	Below Cal		100
18) Methyl Acetate	2.78	43	873	0.259	ug/l #	76
31) Cyclohexane	5.67	56	3768	0.896	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15823	4.366	ug/l #	48
38) Carbon Tetrachloride	5.67	117	21569	6.268	ug/l #	16
44) Trichloroethene	7.21	130	90567	30.457	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	81200	20.732	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	81200	66.269	ug/l #	11

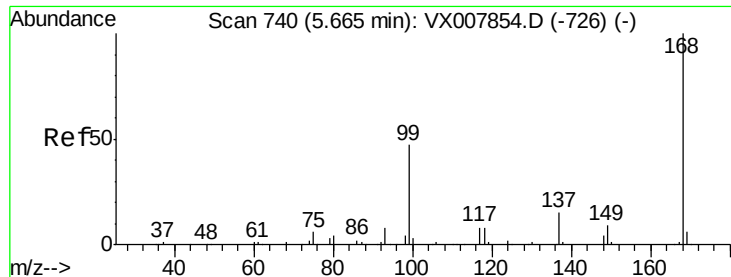
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008047.D

Acq: 13 Mar 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

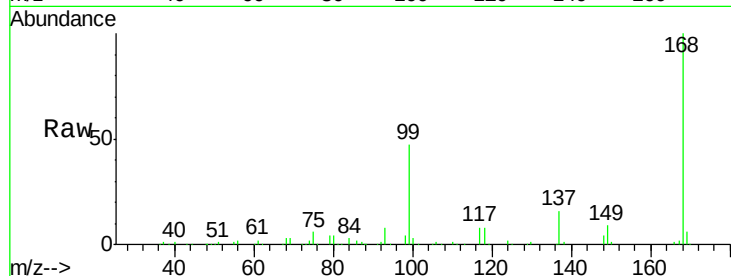
RE108D2-20190306DL

Tot Ion:168 Resp: 259392

Ion Ratio Lower Upper

168 100

99 47.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

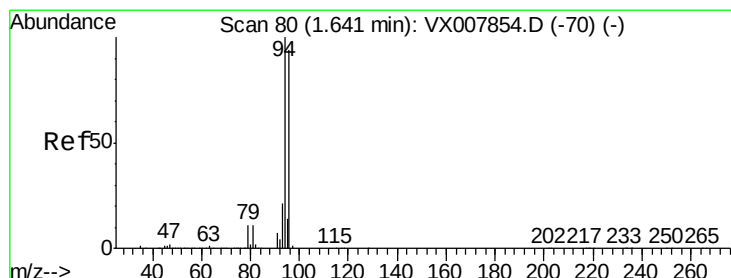
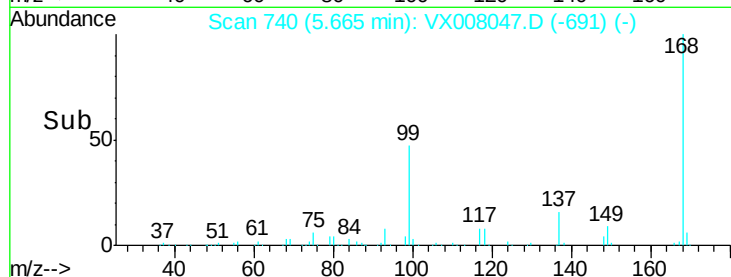
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008047.D

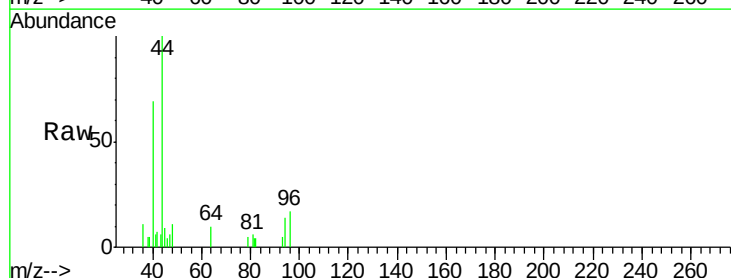
Acq: 13 Mar 2019 14:25

Tgt Ion: 94 Resp: 407

Ion Ratio Lower Upper

94 100

96 123.9 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

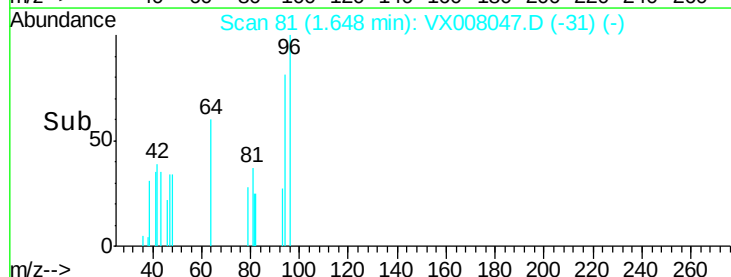
150

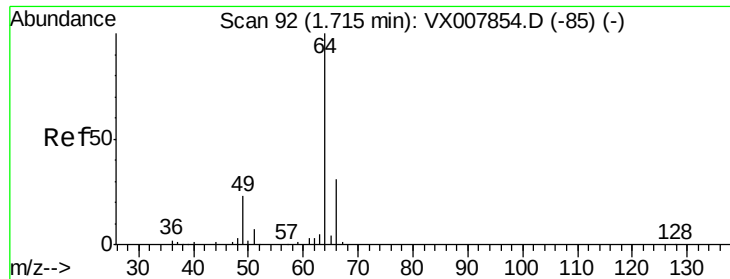
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.598 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX008047.D

Acq: 13 Mar 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

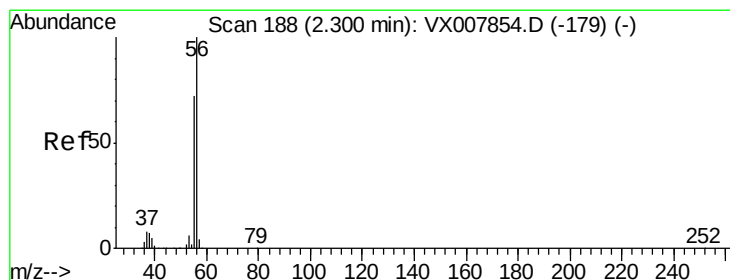
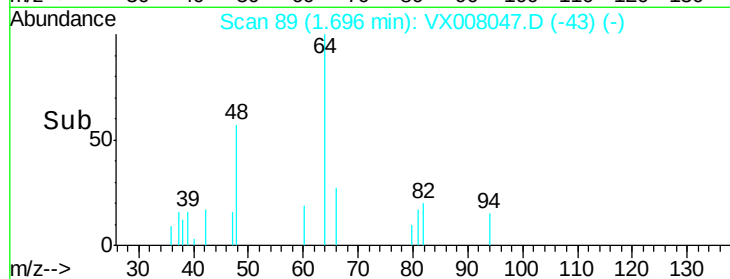
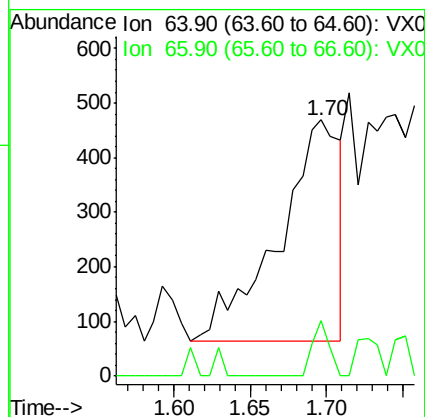
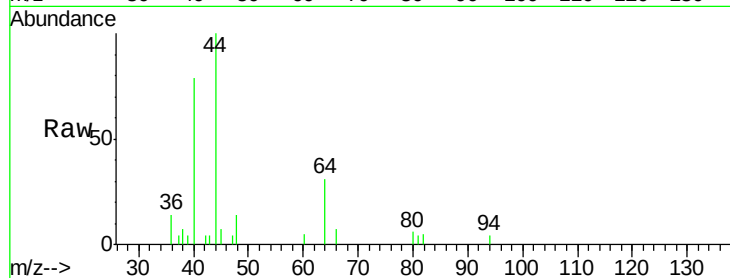
RE108D2-20190306DL

Tot Ion: 64 Resp: 1127

Ion Ratio Lower Upper

64 100

66 24.9 25.2 37.8#



#13

Acrolein

Concen: 1.602 ug/l

RT: 2.34 min Scan# 194

Delta R.T. 0.04 min

Lab File: VX008047.D

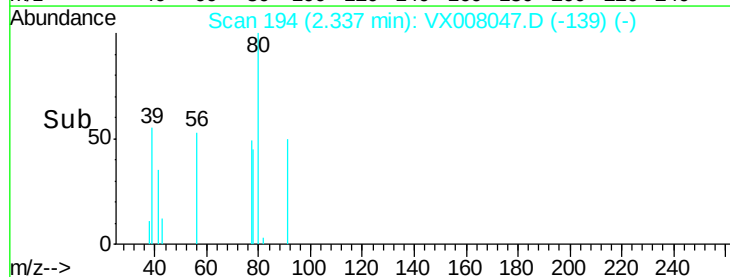
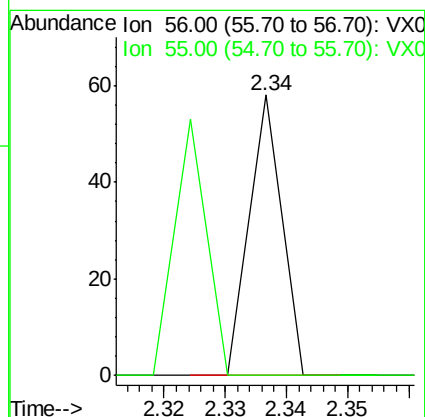
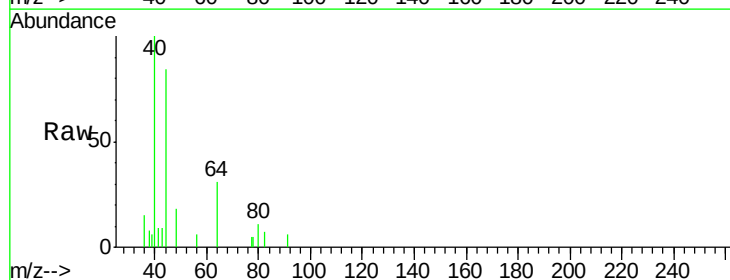
Acq: 13 Mar 2019 14:25

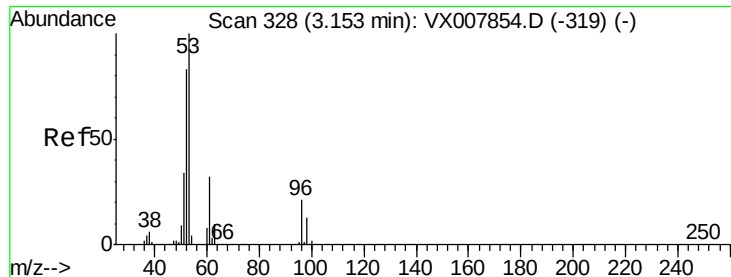
Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 90.5 57.8 86.6#





#15

Acrylonitrile

Concen: 0.280 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008047.D

Acq: 13 Mar 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20190306DL

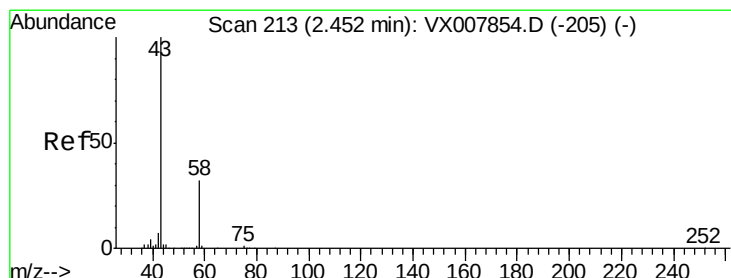
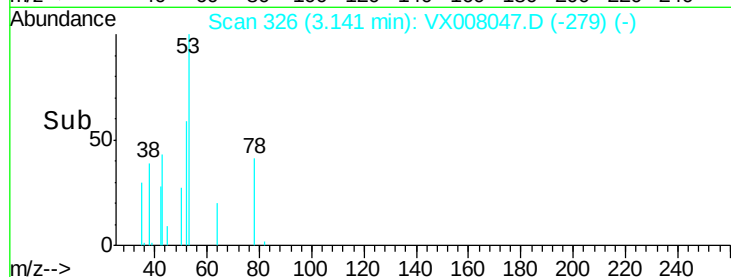
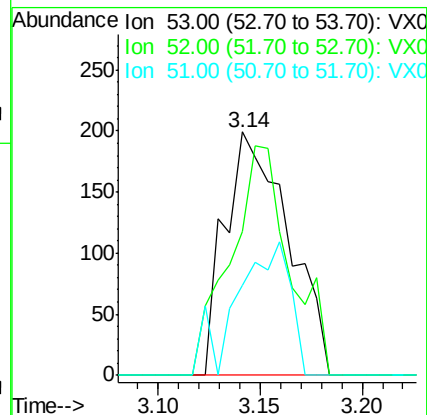
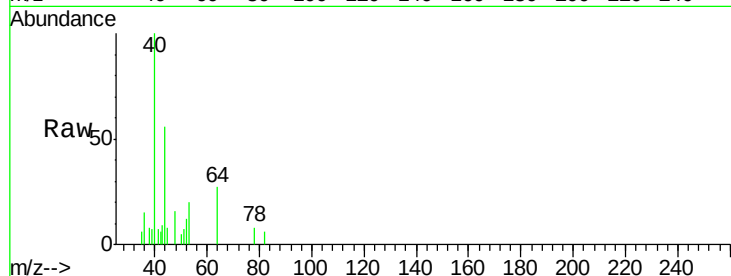
Tot Ion: 53 Resp: 432

Ion Ratio Lower Upper

53 100

52 88.4 66.0 99.0

51 46.1 28.0 42.0#



#16

Acetone

Concen: 0.360 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.00 min

Lab File: VX008047.D

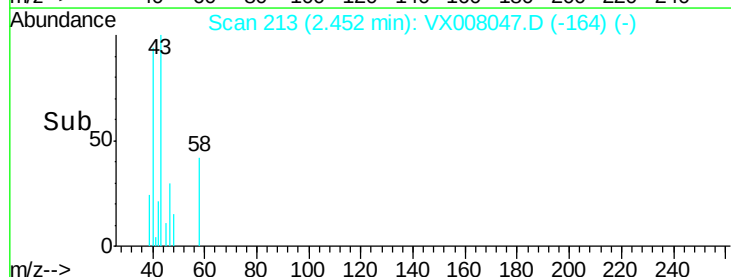
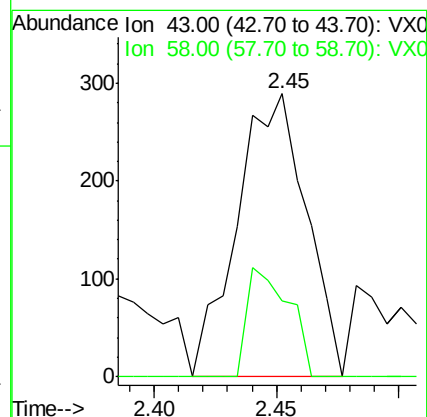
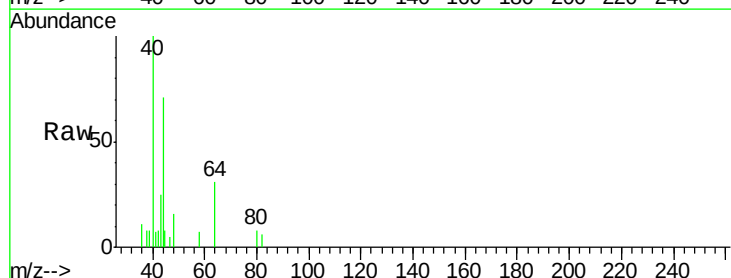
Acq: 13 Mar 2019 14:25

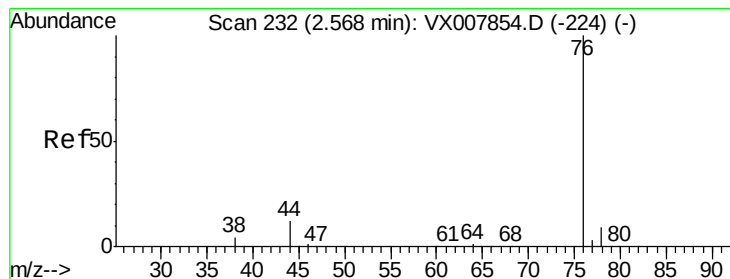
Tgt Ion: 43 Resp: 570

Ion Ratio Lower Upper

43 100

58 27.0 25.5 38.3





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008047.D

Acq: 13 Mar 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

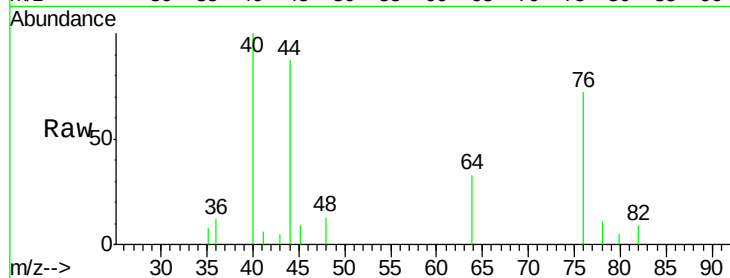
RE108D2-20190306DL

Tot Ion: 76 Resp: 1171

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

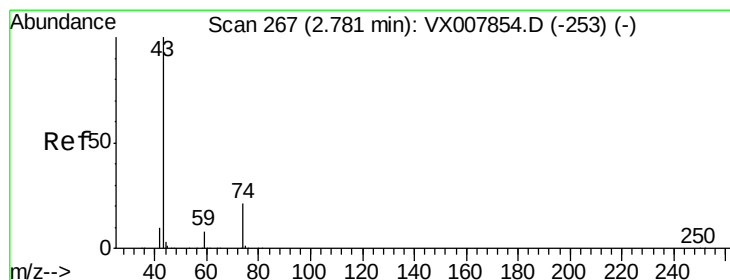
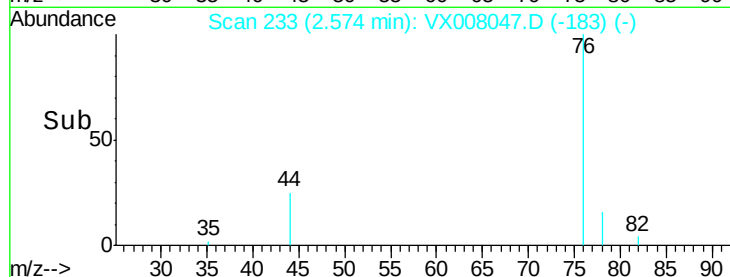
600

400

200

0

Time--> 2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 0.259 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX008047.D

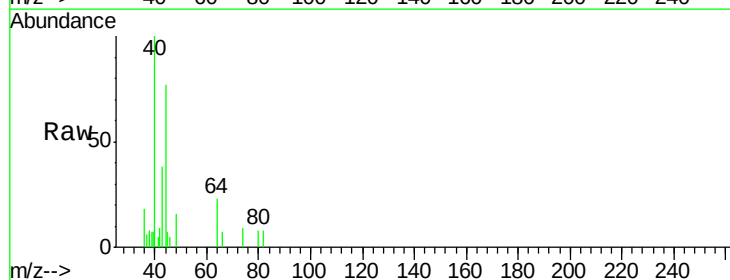
Acq: 13 Mar 2019 14:25

Tgt Ion: 43 Resp: 873

Ion Ratio Lower Upper

43 100

74 10.8 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

400

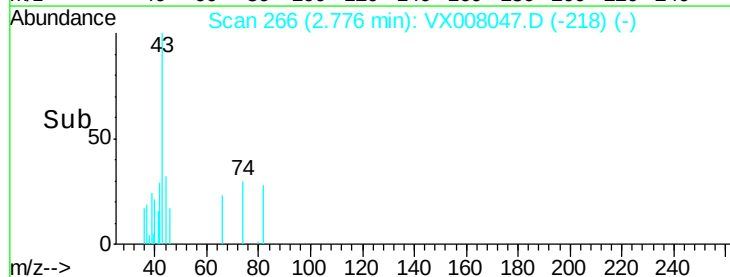
300

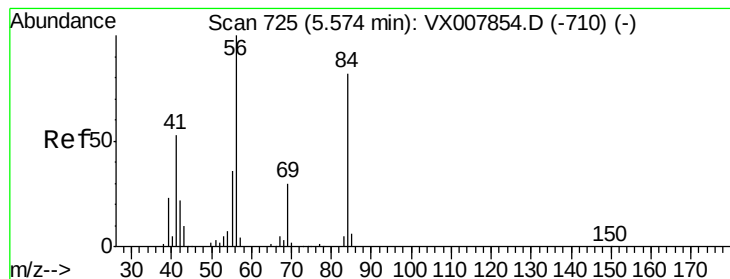
200

100

0

Time--> 2.70 2.75 2.80





#31

Cyclohexane

Concen: 0.896 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008047.D

Acq: 13 Mar 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20190306DL

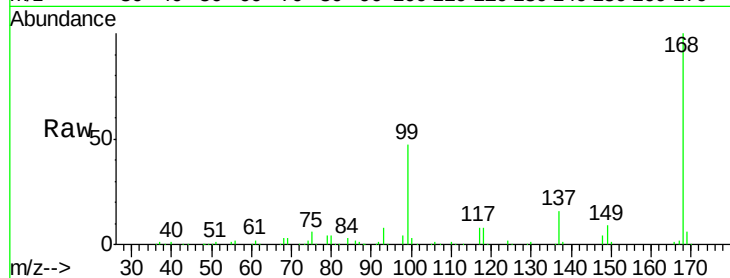
Tot Ion: 56 Resp: 3768

Ion Ratio Lower Upper

56 100

69 189.9 24.0 36.0#

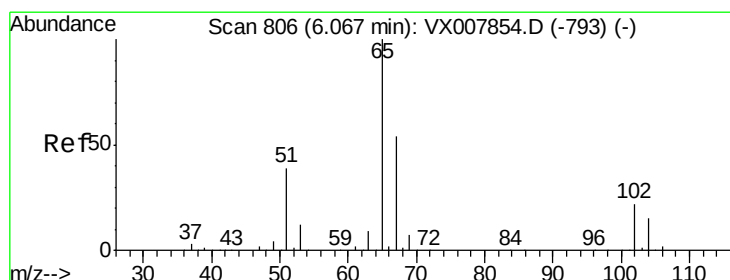
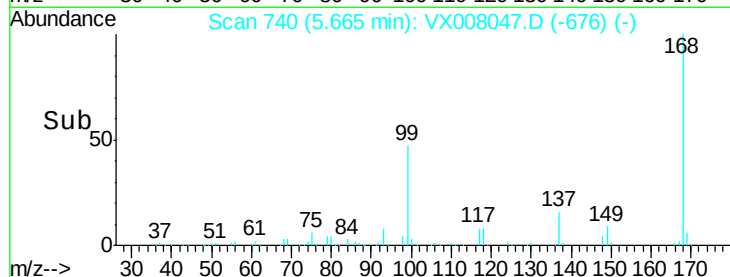
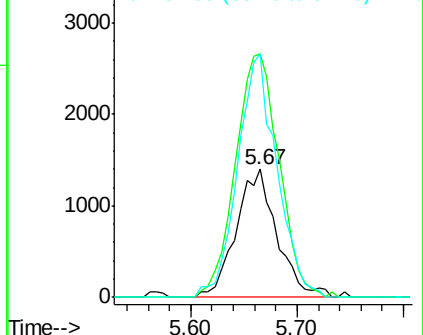
84 189.7 65.3 97.9#



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: 50.060 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008047.D

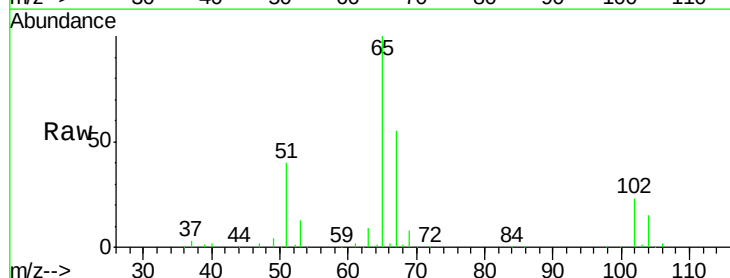
Acq: 13 Mar 2019 14:25

Tgt Ion: 65 Resp: 136981

Ion Ratio Lower Upper

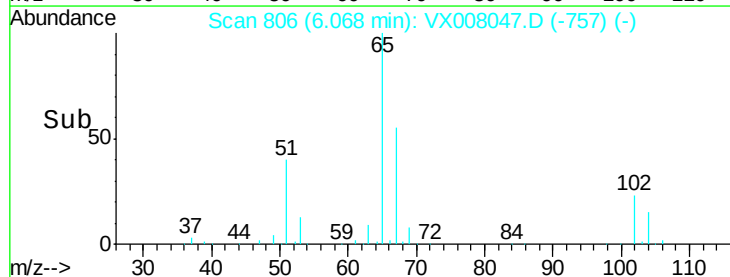
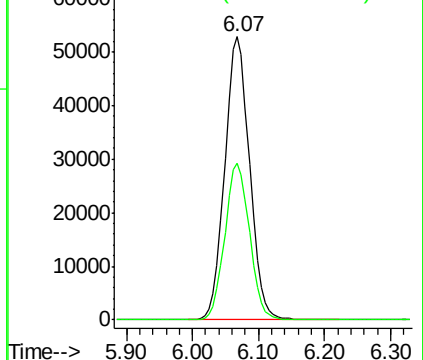
65 100

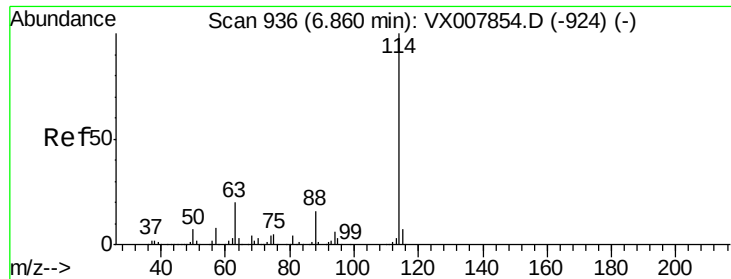
67 55.2 0.0 110.0



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: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008047.D

Acq: 13 Mar 2019 14:25

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ClientSampleId :

RE108D2-20190306DL

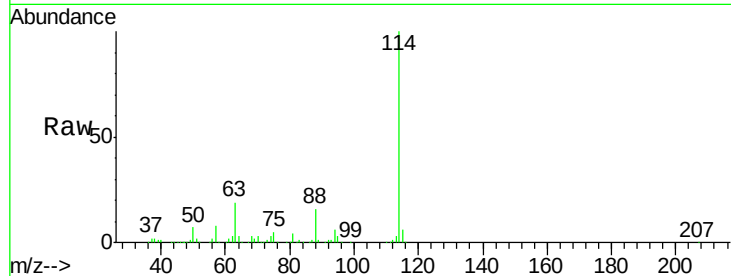
Tot Ion:114 Resp: 400289

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.8

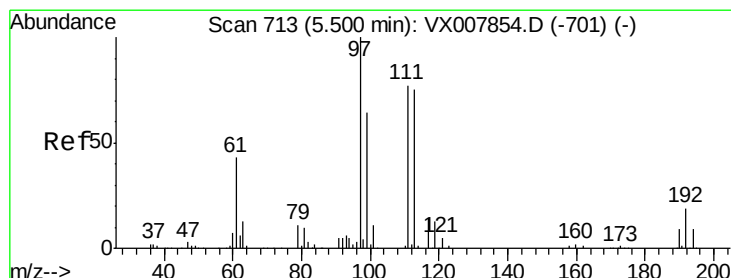
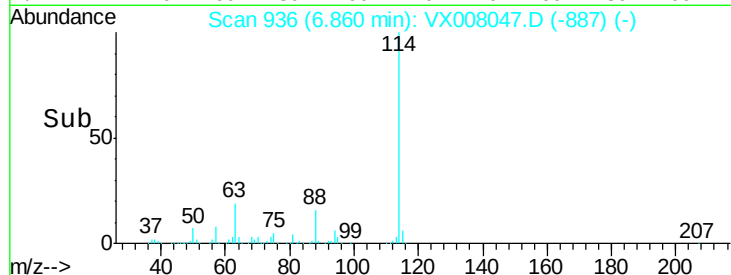
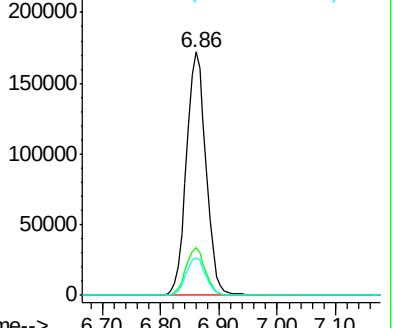
88 15.5 0.0 31.4



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: 50.480 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008047.D

Acq: 13 Mar 2019 14:25

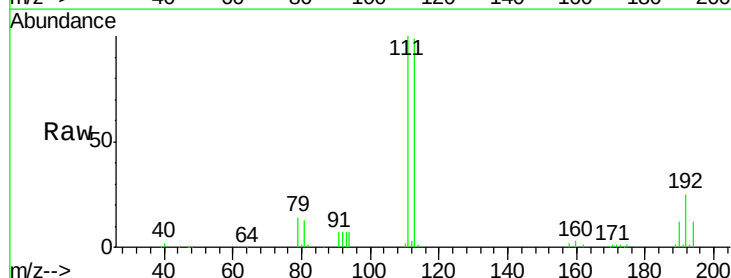
Tgt Ion:113 Resp: 129254

Ion Ratio Lower Upper

113 100

111 101.5 81.4 122.0

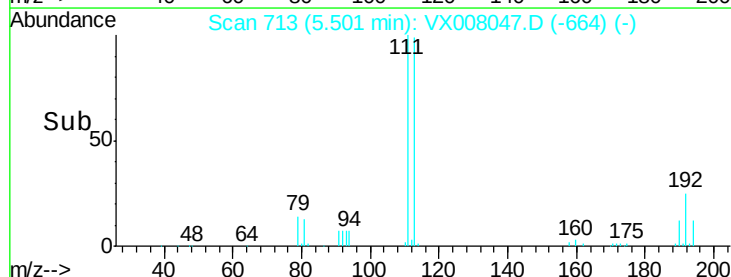
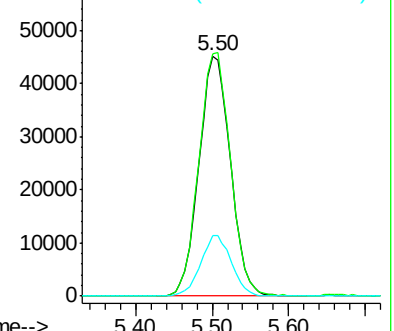
192 24.5 19.4 29.0

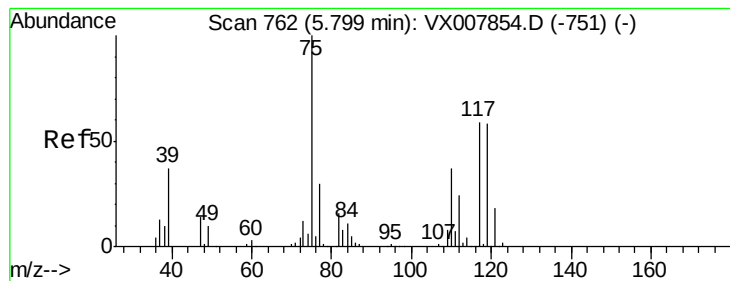


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.366 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX008047.D

Acq: 13 Mar 2019 14:25

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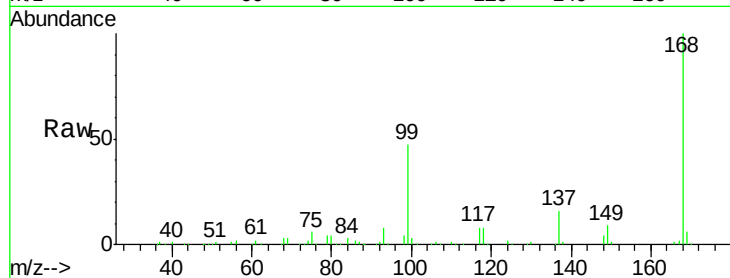
Tot Ion: 75 Resp: 15823

Ion Ratio Lower Upper

75 100

110 8.6 18.4 55.0#

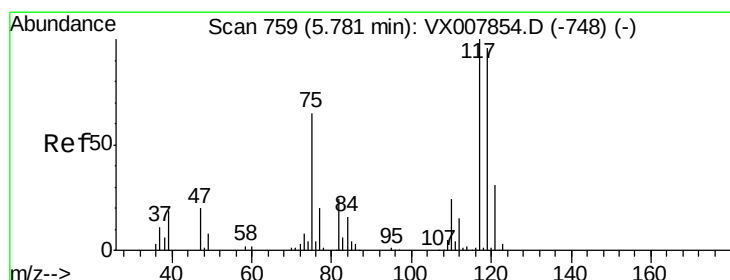
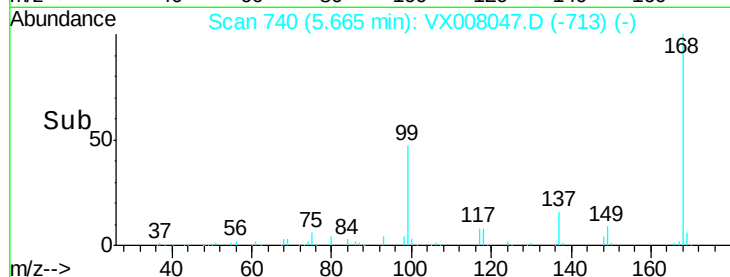
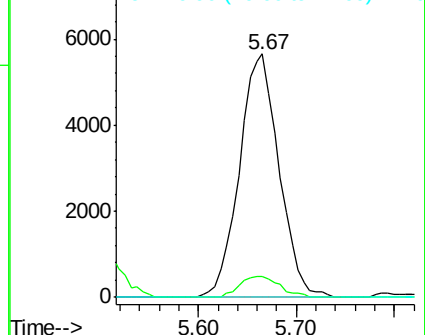
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.268 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008047.D

Acq: 13 Mar 2019 14:25

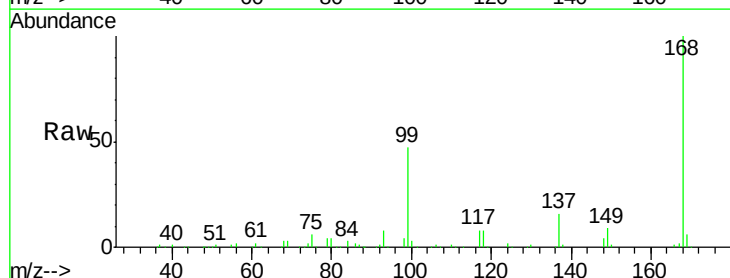
Tgt Ion: 117 Resp: 21569

Ion Ratio Lower Upper

117 100

119 4.3 76.2 114.2#

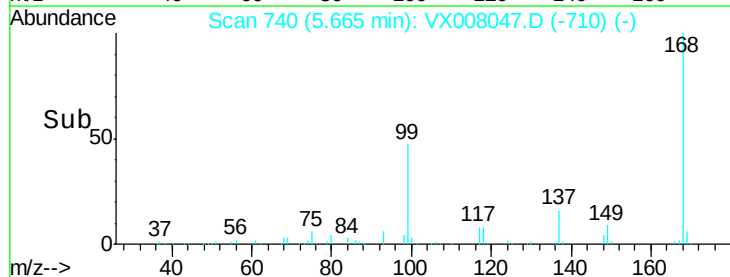
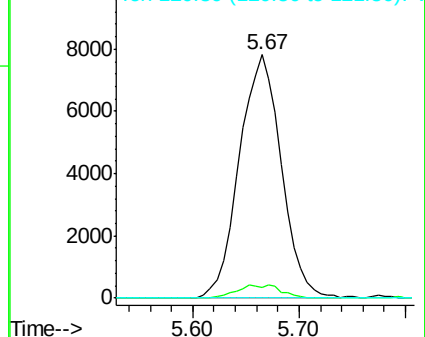
121 0.0 24.6 36.8#

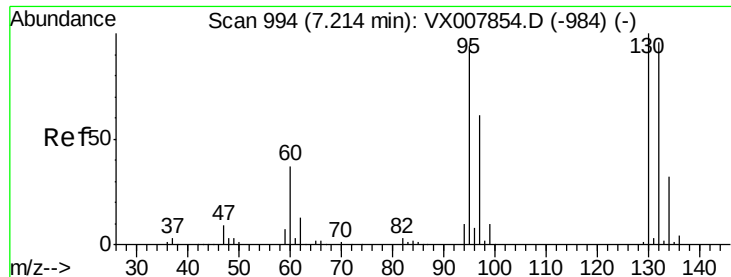


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 30.457 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008047.D

Acq: 13 Mar 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

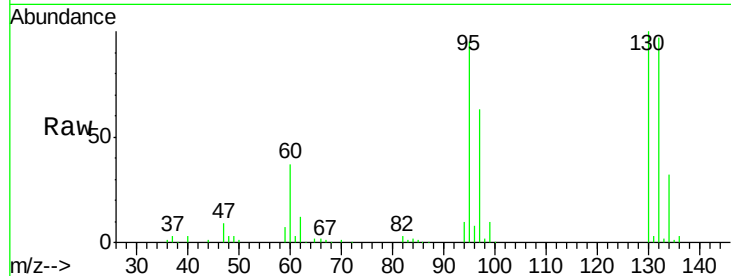
RE108D2-20190306DL

Tot Ion:130 Resp: 90567

Ion Ratio Lower Upper

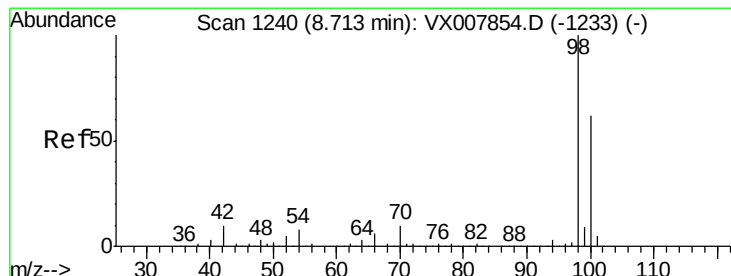
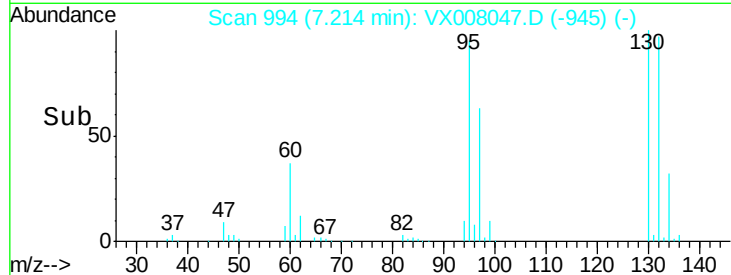
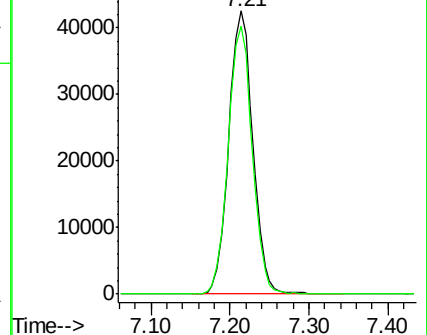
130 100

95 94.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 51.682 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008047.D

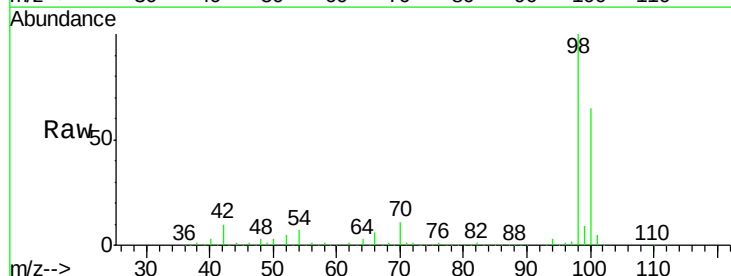
Acq: 13 Mar 2019 14:25

Tgt Ion: 98 Resp: 485998

Ion Ratio Lower Upper

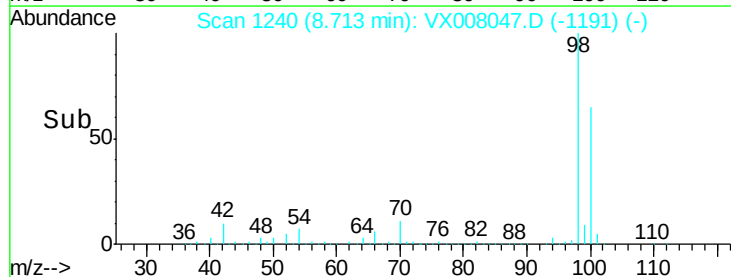
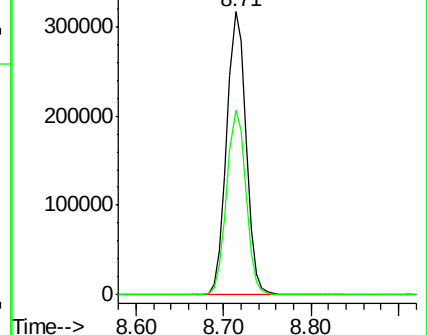
98 100

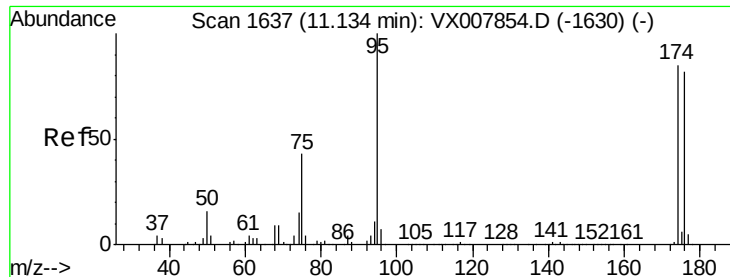
100 65.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 54.758 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008047.D

Acq: 13 Mar 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20190306DL

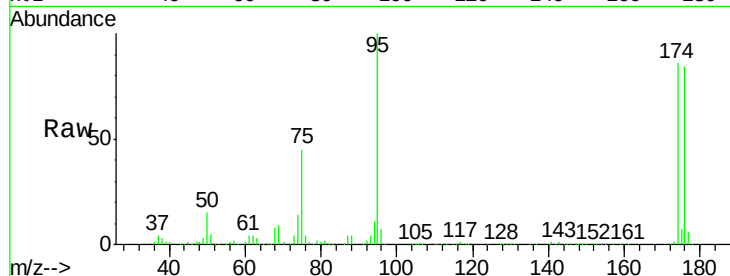
Tot Ion: 95 Resp: 180535

Ion Ratio Lower Upper

95 100

174 92.6 0.0 182.8

176 89.9 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX007854.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX007854.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX007854.D (-1630) (-)

11.13

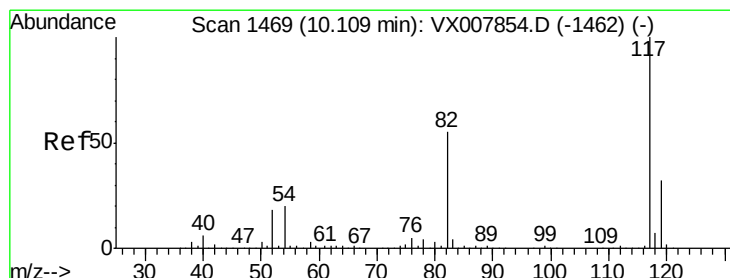
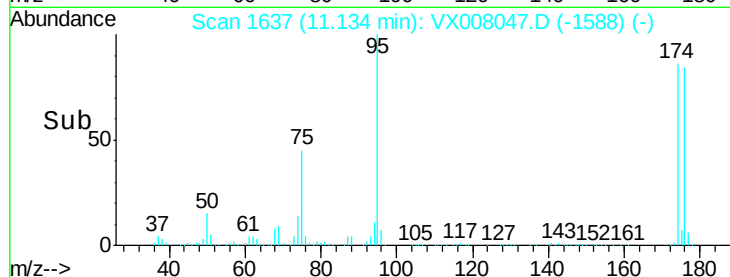
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008047.D

Acq: 13 Mar 2019 14:25

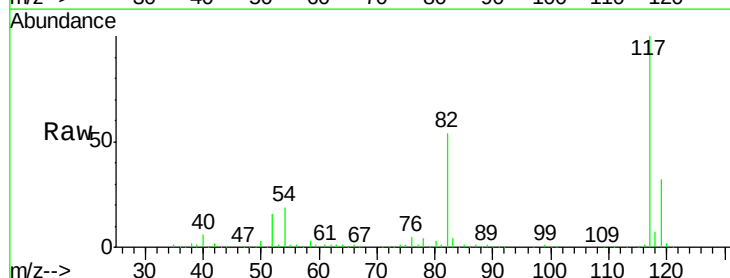
Tgt Ion: 117 Resp: 380473

Ion Ratio Lower Upper

117 100

82 54.3 44.3 66.5

119 31.7 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VX007854.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX007854.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX007854.D (-1462) (-)

10.11

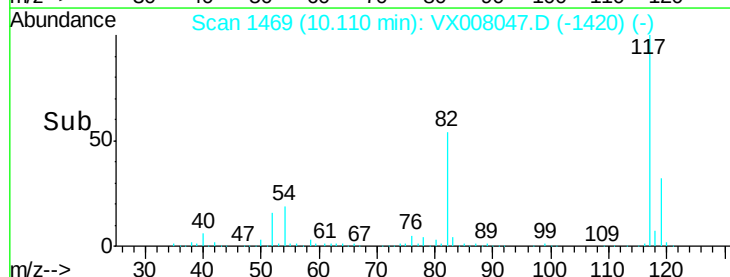
300000

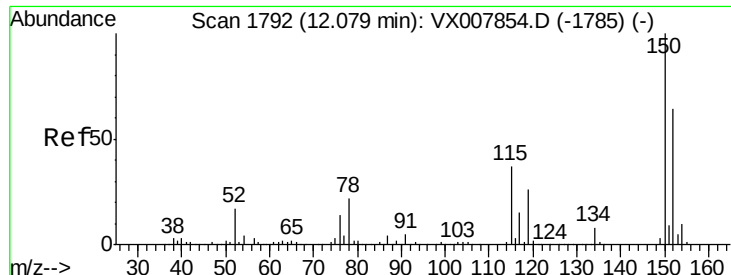
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008047.D

Acq: 13 Mar 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20190306DL

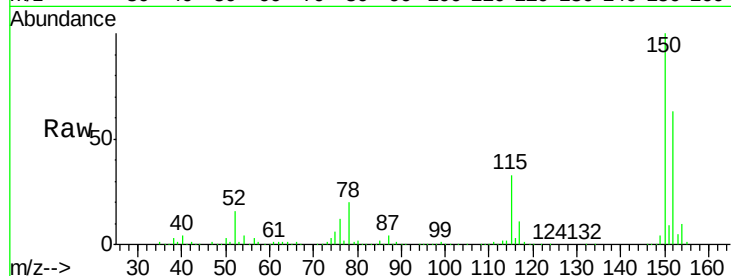
Tot Ion:152 Resp: 186650

Ion Ratio Lower Upper

152 100

115 54.3 38.6 115.7

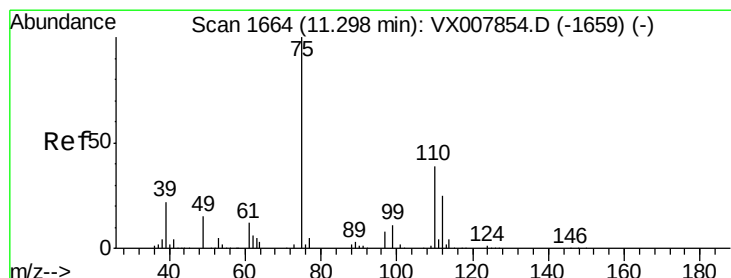
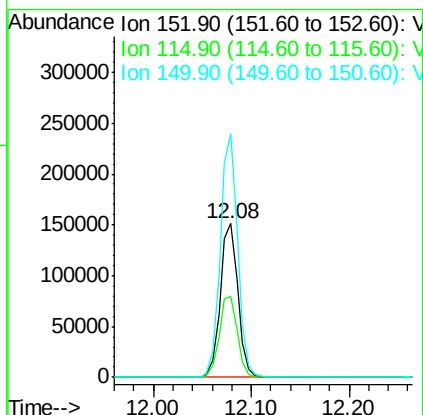
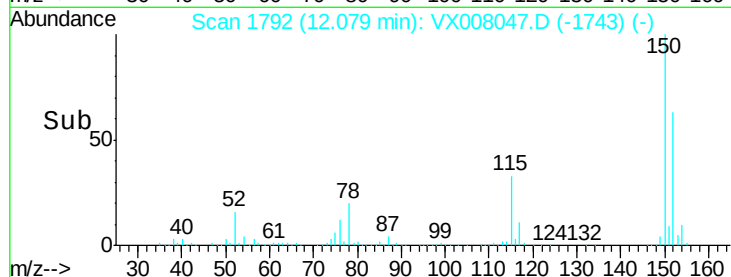
150 156.5 0.0 348.4



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: 20.732 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008047.D

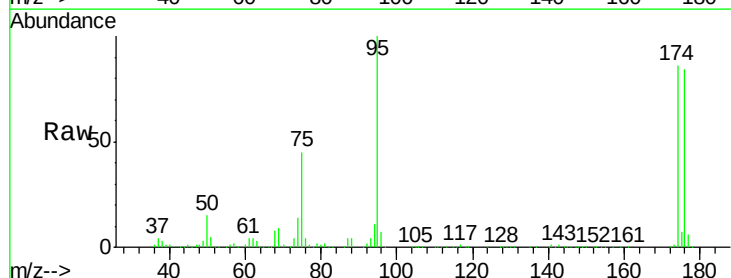
Acq: 13 Mar 2019 14:25

Tgt Ion: 75 Resp: 81200

Ion Ratio Lower Upper

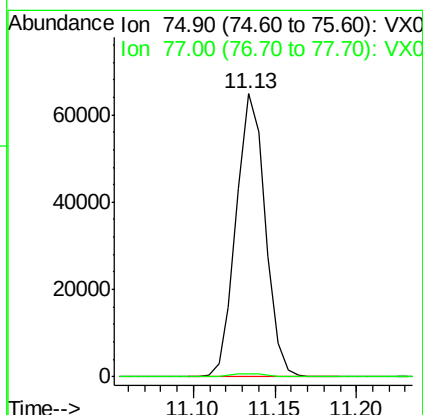
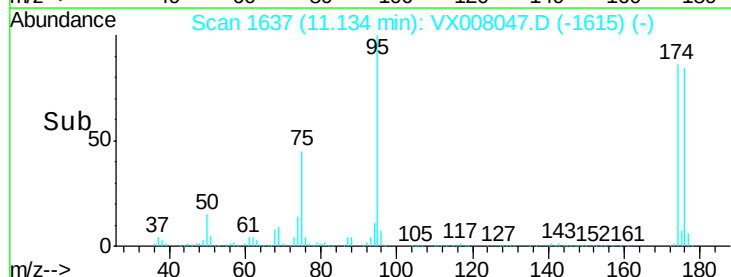
75 100

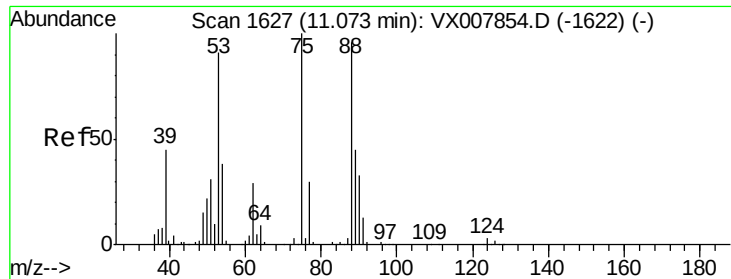
77 1.4 18.9 56.7#



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: 66.269 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008047.D

Acq: 13 Mar 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20190306DL

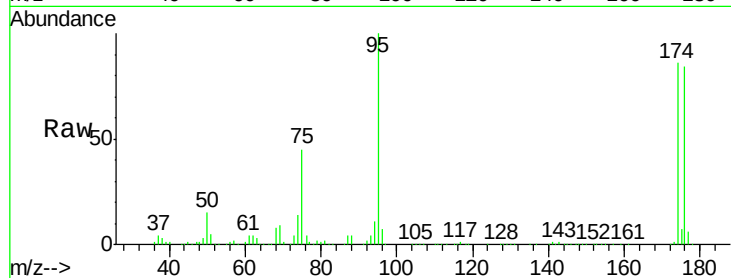
Tot Ion: 75 Resp: 81200

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

89 0.0 36.3 54.5#



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

