

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020619\
 Data File : VX007400.D
 Acq On : 06 Feb 2019 15:31
 Operator : JC/SP
 Sample : K1392-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Feb 07 00:02:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	578482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	875341	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	827851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	402122	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	306208	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
35) Dibromofluoromethane	5.50	113	277531	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
50) Toluene-d8	8.71	98	1055574	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	11.13	95	374038	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	

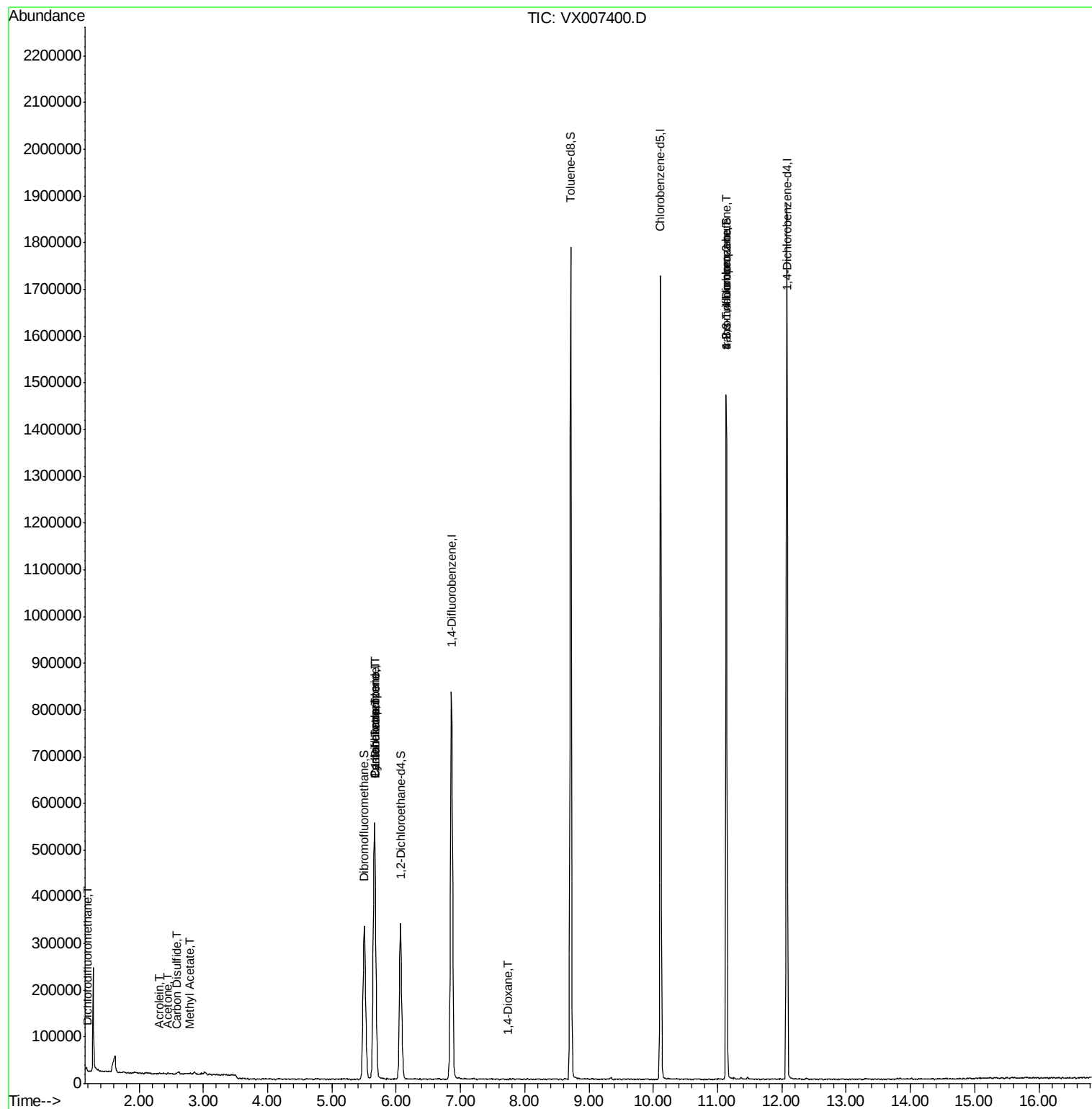
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	304	0.220	ug/l	91
5) Bromomethane	1.65	94	1297	Below Cal		83
13) Acrolein	2.32	56	170	0.285	ug/l #	1
16) Acetone	2.45	43	2218	0.789	ug/l #	78
17) Carbon Disulfide	2.57	76	1632	2.229	ug/l #	93
18) Methyl Acetate	2.78	43	1706	0.823	ug/l #	86
31) Cyclohexane	5.66	56	9903	1.160	ug/l #	7
36) 1,1-Dichloropropene	5.67	75	36754	4.680	ug/l #	48
38) Carbon Tetrachloride	5.67	117	51396	6.745	ug/l #	15
49) 1,4-Dioxane	7.74	88	83	7.470	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	176419	22.555	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	176419	68.048	ug/l #	9

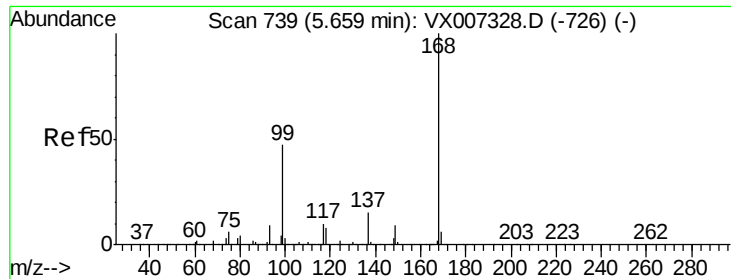
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX020619\
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Quant Time: Feb 07 00:02:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007400.D

Acq: 06 Feb 2019 15:31

Instrument :

MSVOA_X

ClientSampled :

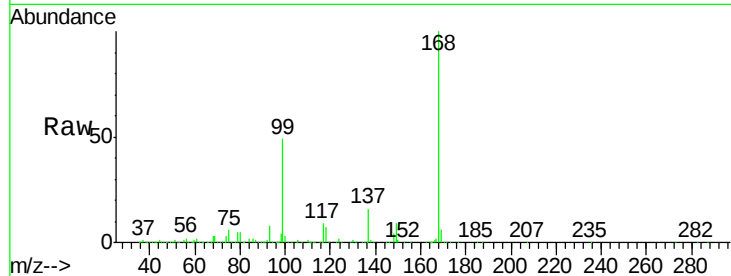
TRIP-BLANK

Tot Ion:168 Resp: 578482

Ion Ratio Lower Upper

168 100

99 49.2 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

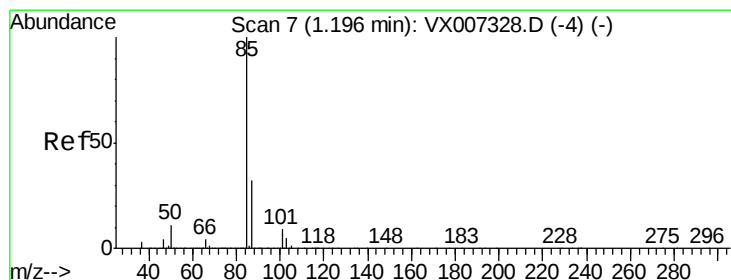
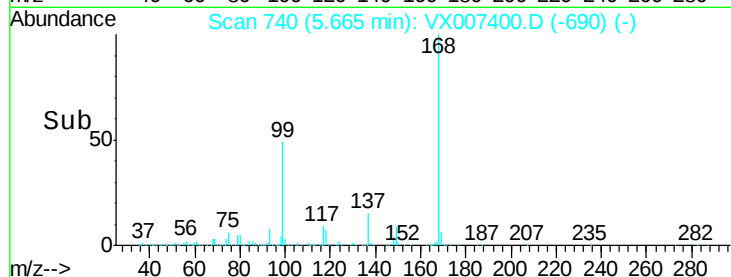
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.220 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007400.D

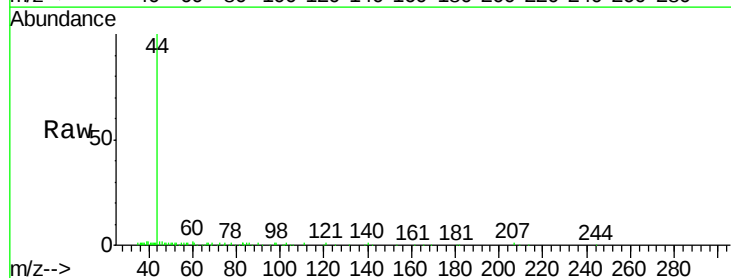
Acq: 06 Feb 2019 15:31

Tgt Ion: 85 Resp: 304

Ion Ratio Lower Upper

85 100

87 26.7 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

250

200

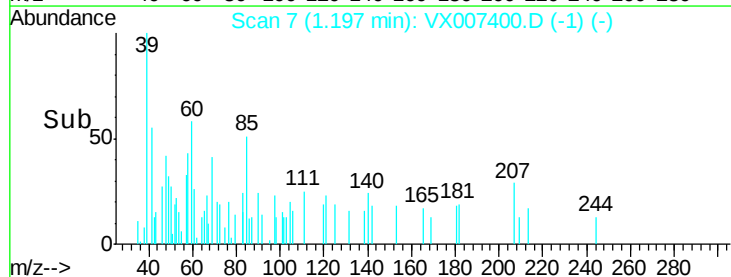
150

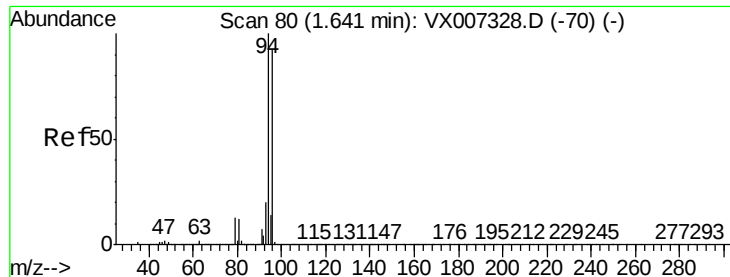
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007400.D

Acq: 06 Feb 2019 15:31

Instrument :

MSVOA_X

ClientSampled :

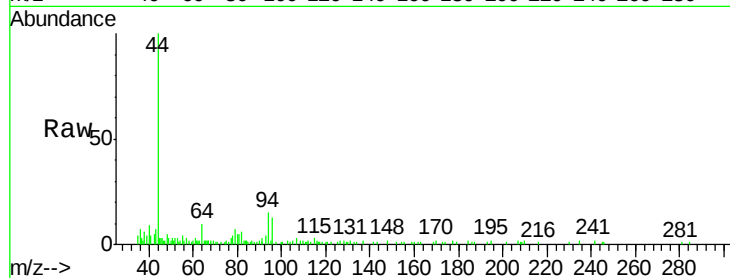
TRIP-BLANK

Tot Ion: 94 Resp: 1297

Ion Ratio Lower Upper

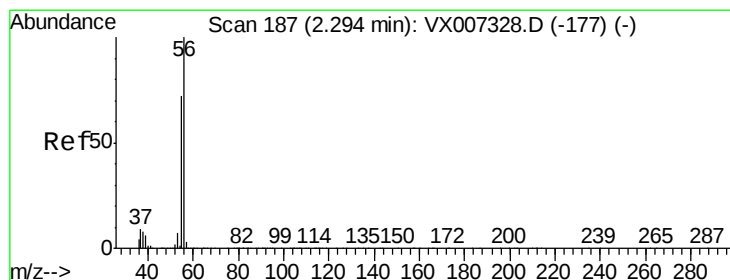
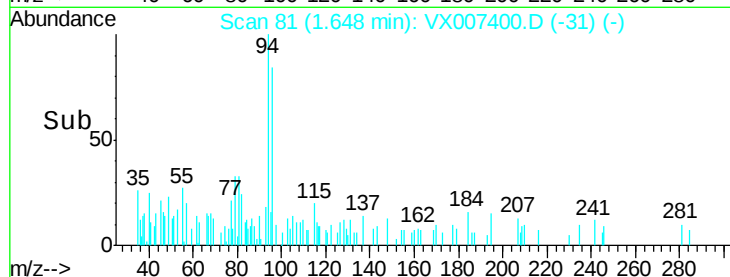
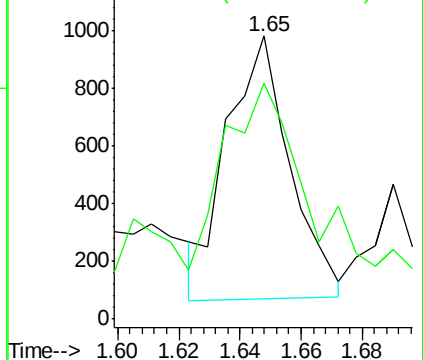
94 100

96 76.3 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#13

Acrolein

Concen: 0.285 ug/l

RT: 2.32 min Scan# 192

Delta R.T. 0.03 min

Lab File: VX007400.D

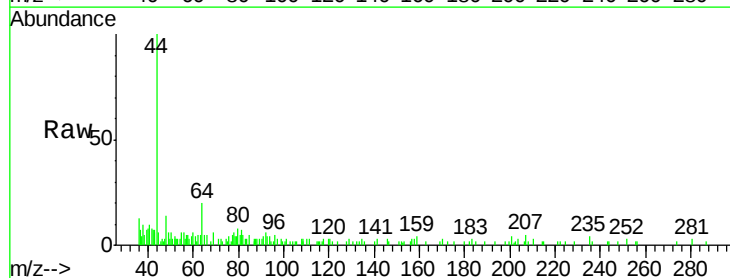
Acq: 06 Feb 2019 15:31

Tgt Ion: 56 Resp: 170

Ion Ratio Lower Upper

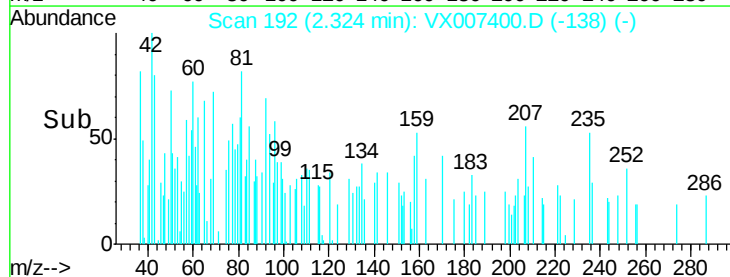
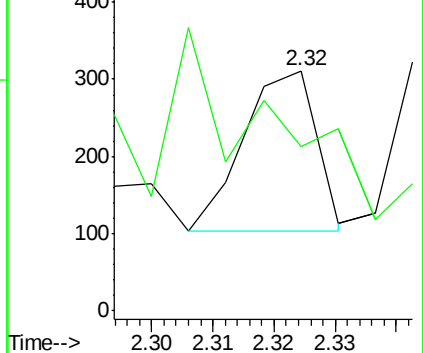
56 100

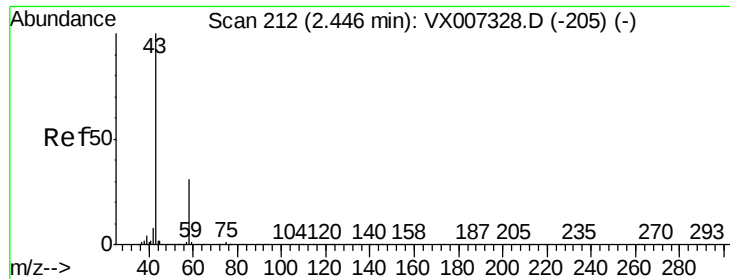
55 168.2 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.789 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007400.D

Acq: 06 Feb 2019 15:31

Instrument :

MSVOA_X

ClientSampled :

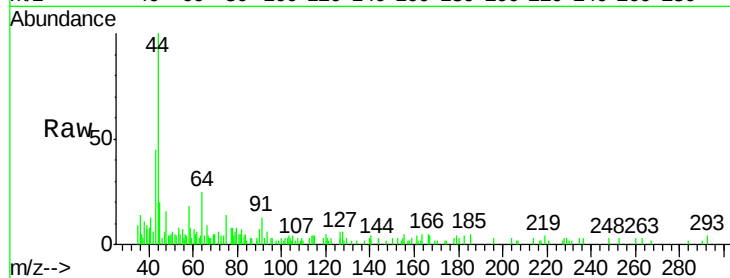
TRIP-BLANK

Tot Ion: 43 Resp: 2218

Ion Ratio Lower Upper

43 100

58 43.0 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

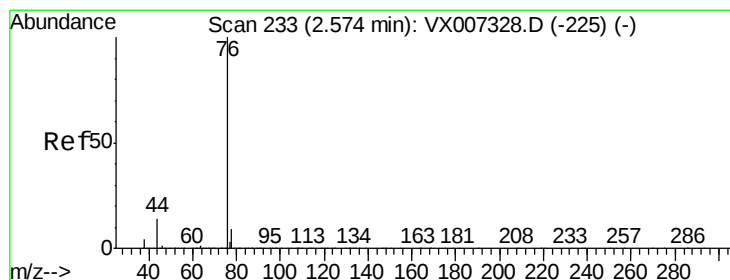
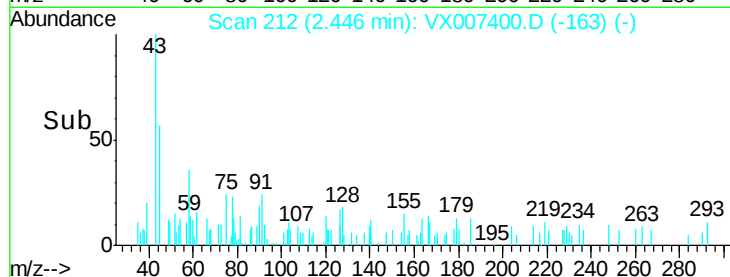
1500

1000

500

0

Time--> 2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 2.229 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007400.D

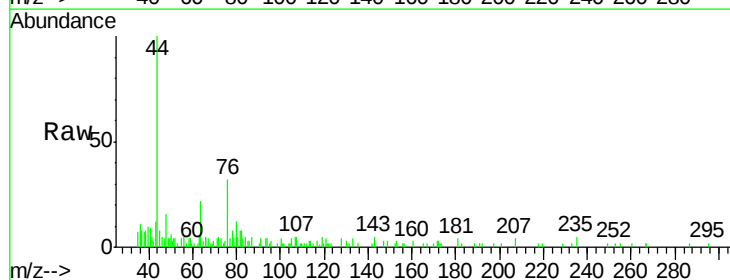
Acq: 06 Feb 2019 15:31

Tgt Ion: 76 Resp: 1632

Ion Ratio Lower Upper

76 100

78 6.3 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

1200

1000

800

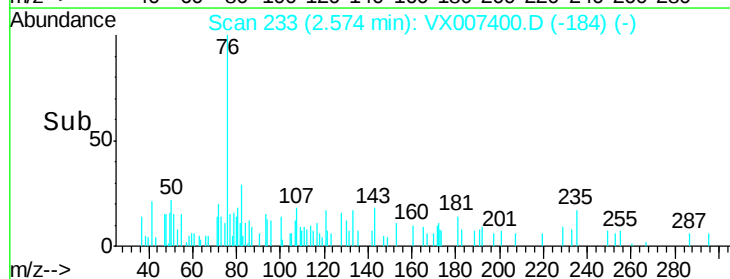
600

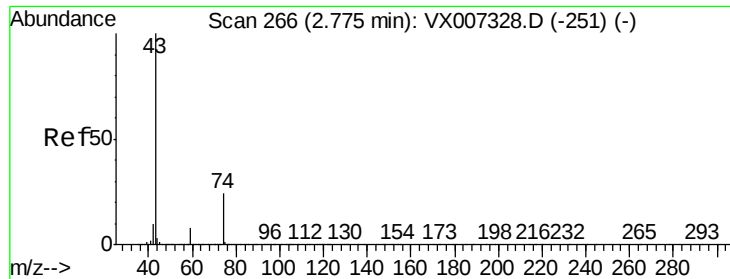
400

200

0

Time--> 2.50 2.55 2.60

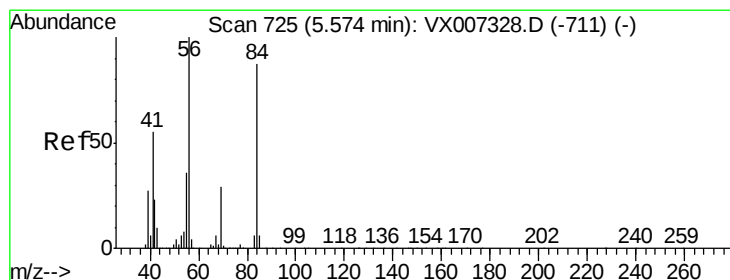
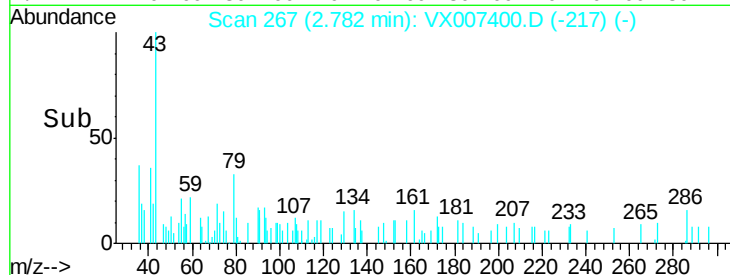
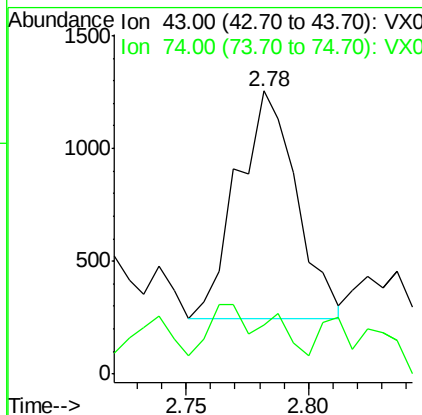
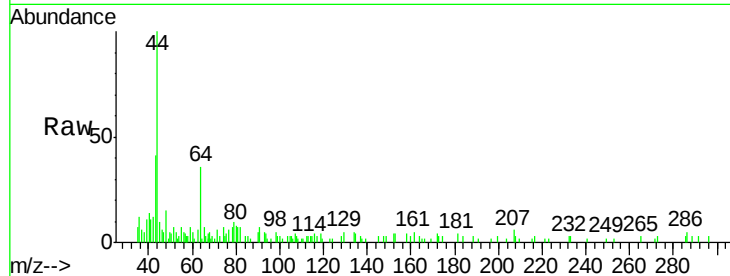




#18
Methvl Acetate
Concen: 0.823 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007400.D
Acq: 06 Feb 2019 15:31

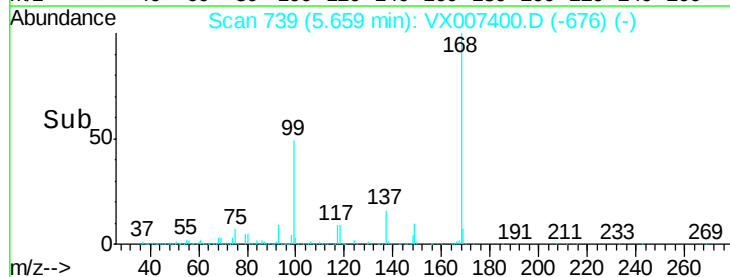
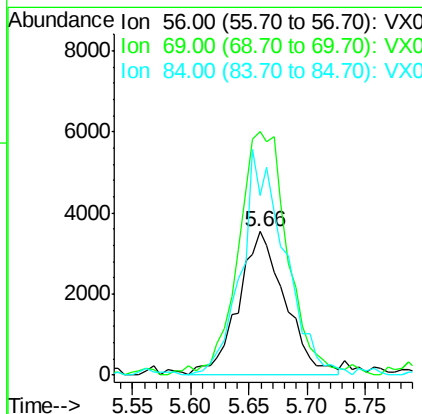
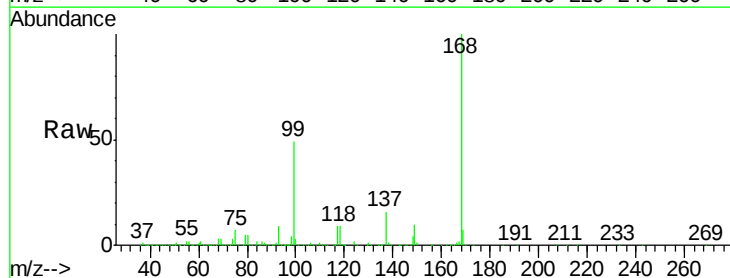
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

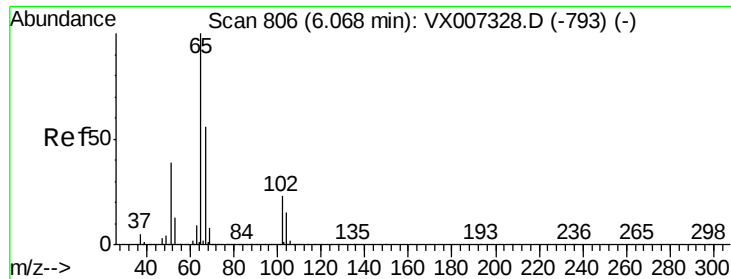
Tot Ion: 43 Resp: 1706
Ion Ratio Lower Upper
43 100
74 31.1 19.4 29.2#



#31
Cyclohexane
Concen: 1.160 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX007400.D
Acq: 06 Feb 2019 15:31

Tgt Ion: 56 Resp: 9903
Ion Ratio Lower Upper
56 100
69 163.7 23.0 34.6#
84 124.0 69.8 104.6#





#33

1,2-Dichloroethane-d4

Concen: 49.870 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007400.D

Acq: 06 Feb 2019 15:31

Instrument :

MSVOA_X

ClientSampled :

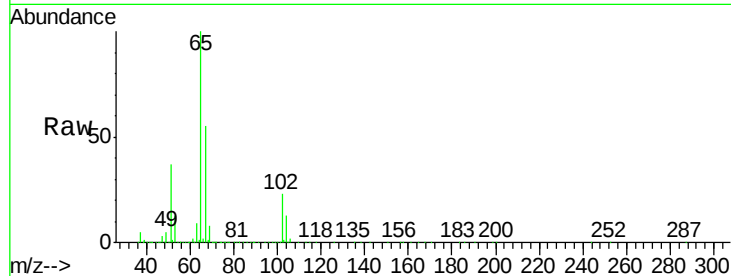
TRIP-BLANK

Tot Ion: 65 Resp: 306208

Ion Ratio Lower Upper

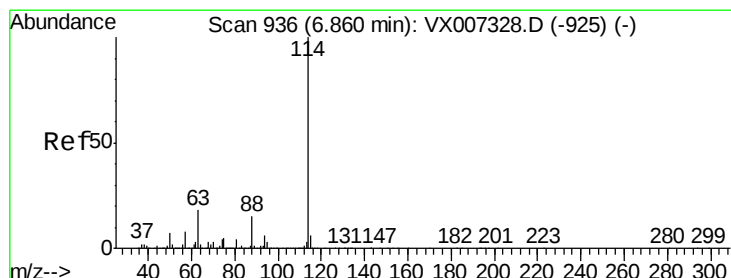
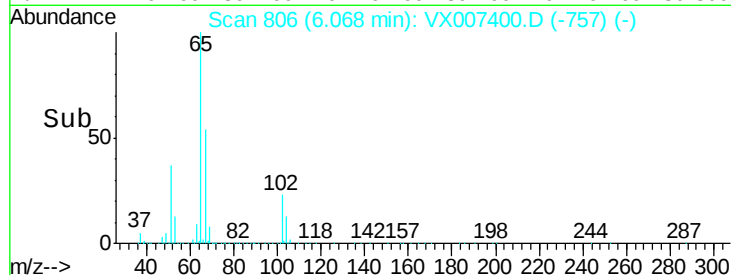
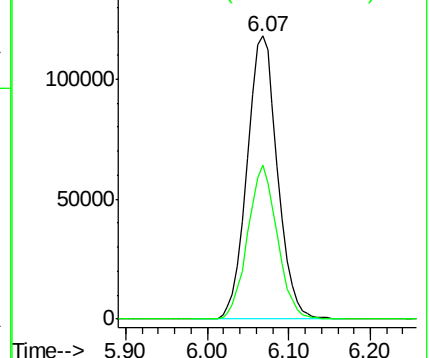
65 100

67 52.8 0.0 108.8



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: VX007400.D

Acq: 06 Feb 2019 15:31

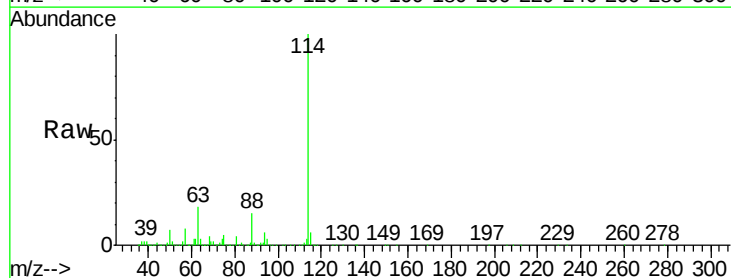
Tgt Ion: 114 Resp: 875341

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.6

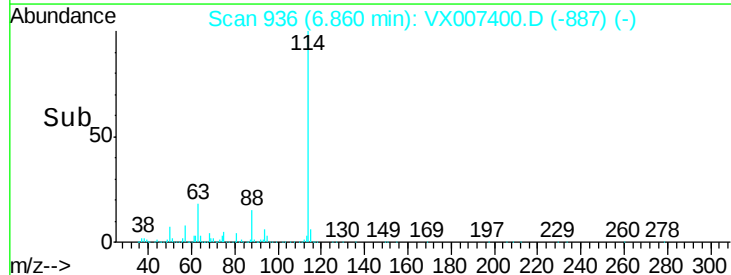
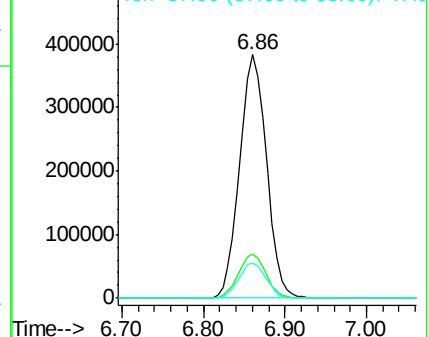
88 14.6 0.0 29.6

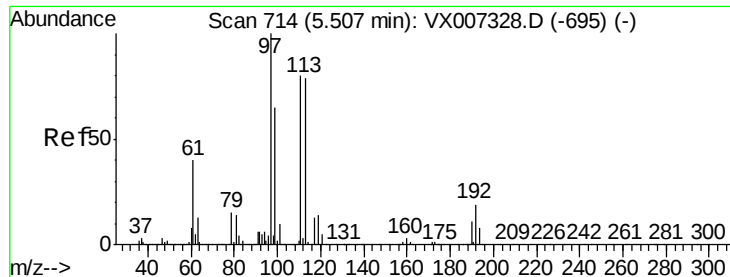


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.728 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007400.D

Acq: 06 Feb 2019 15:31

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

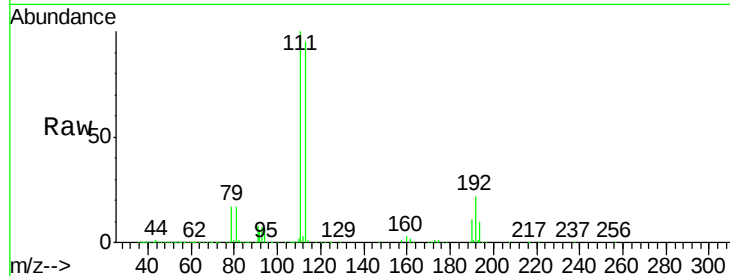
Tot Ion:113 Resp: 277531

Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.8

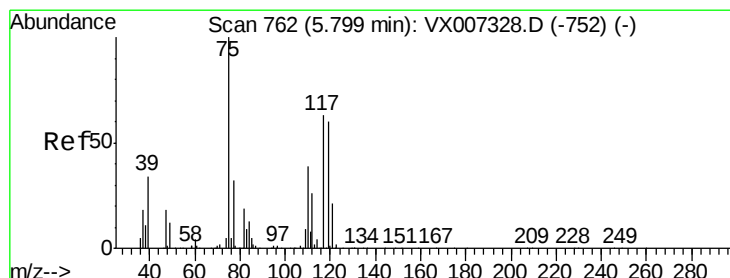
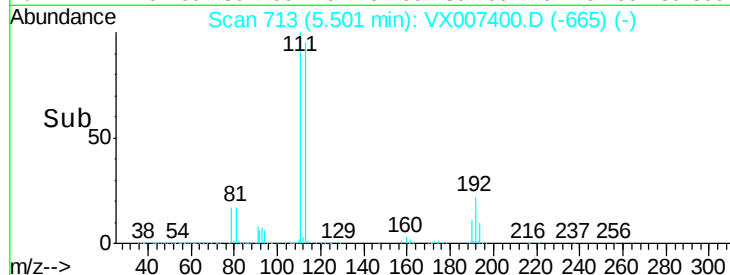
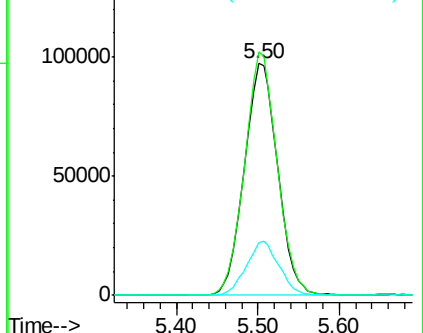
192 22.7 18.5 27.7



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: 4.680 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007400.D

Acq: 06 Feb 2019 15:31

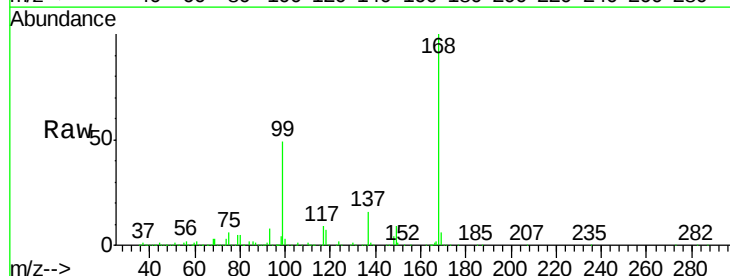
Tgt Ion: 75 Resp: 36754

Ion Ratio Lower Upper

75 100

110 10.1 20.0 59.9#

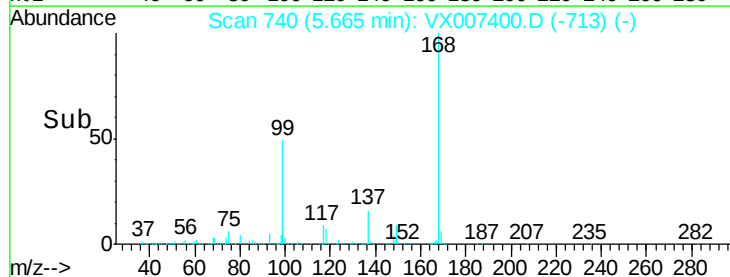
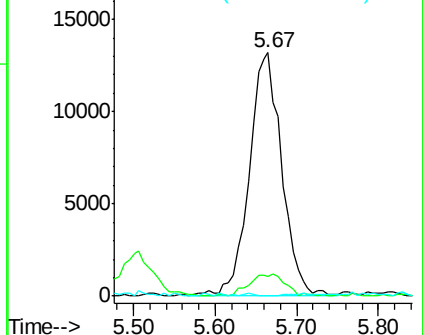
77 0.0 24.7 37.1#

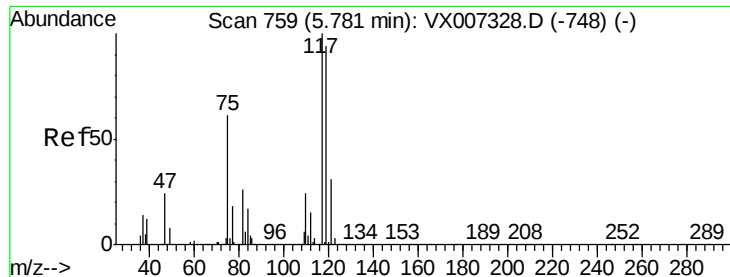


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.745 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007400.D

Acq: 06 Feb 2019 15:31

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

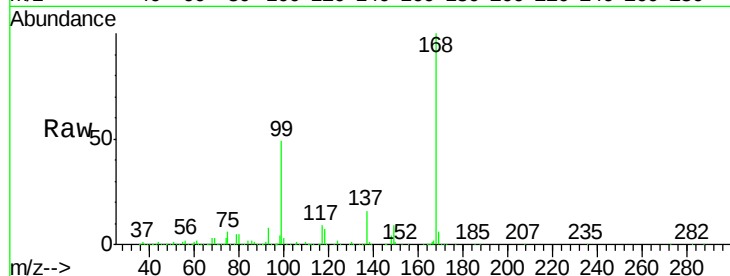
Tot Ion:117 Resp: 51396

Ion Ratio Lower Upper

117 100

119 3.4 75.3 112.9#

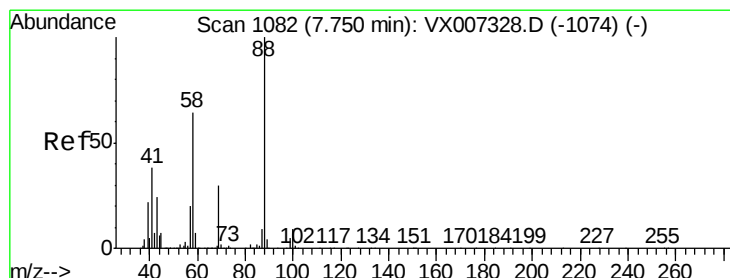
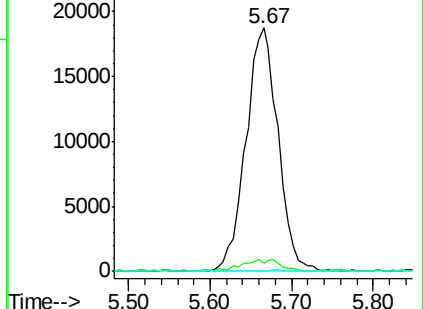
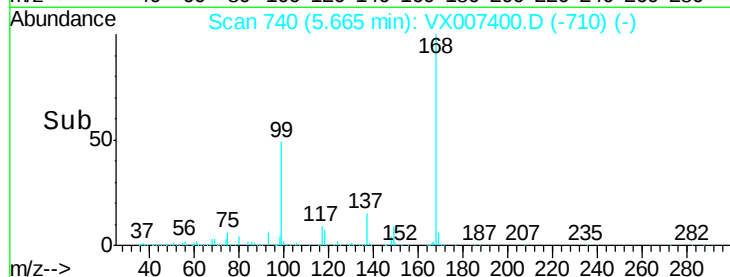
121 0.0 25.0 37.4#



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: 7.470 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX007400.D

Acq: 06 Feb 2019 15:31

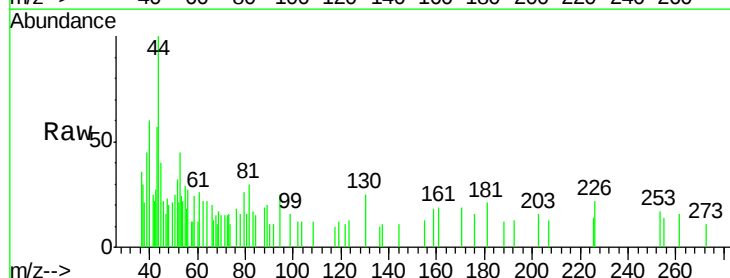
Tgt Ion: 88 Resp: 83

Ion Ratio Lower Upper

88 100

43 265.1 24.2 36.4#

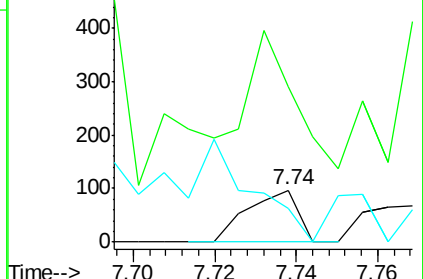
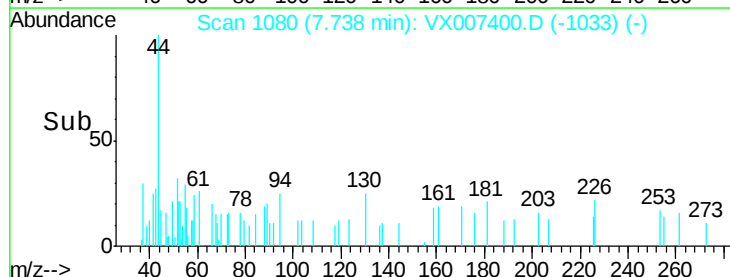
58 195.2 53.0 79.4#

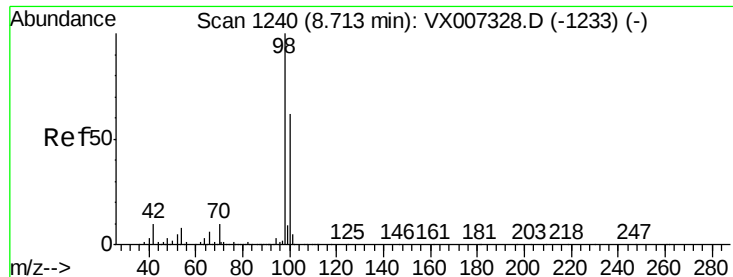


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.953 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007400.D

Acq: 06 Feb 2019 15:31

Instrument :

MSVOA_X

ClientSampleId :

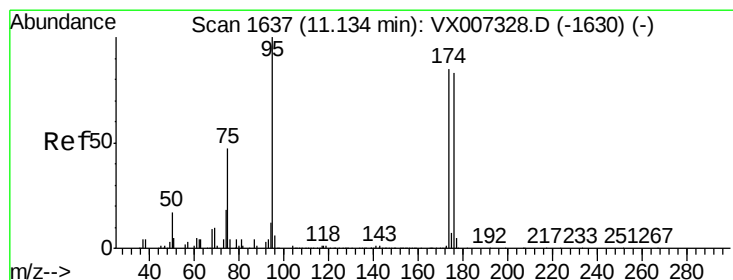
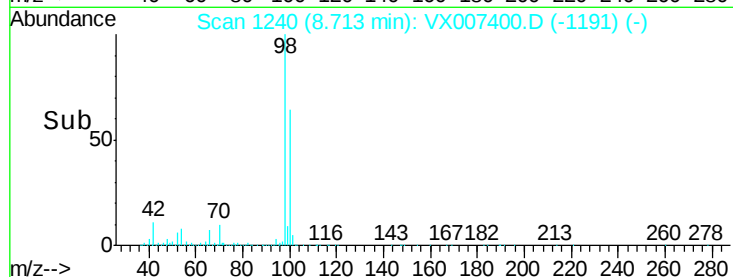
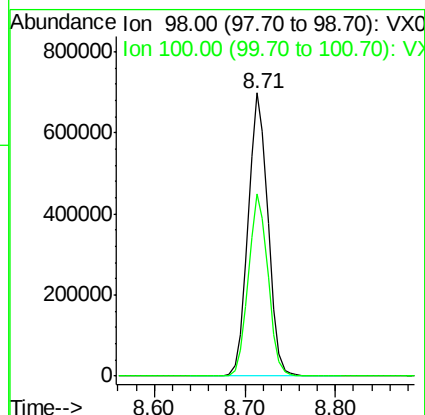
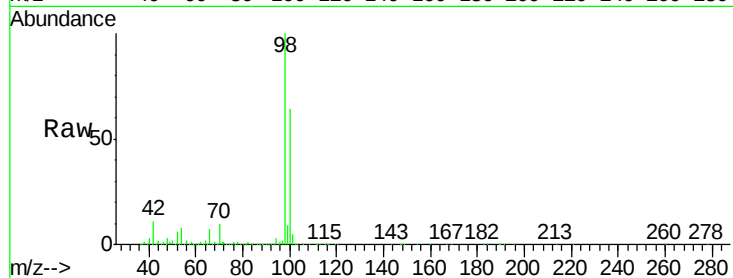
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Tot Ion: 98 Resp: 1055574

Ion Ratio Lower Upper

98 100

100 63.6 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 48.481 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007400.D

Acq: 06 Feb 2019 15:31

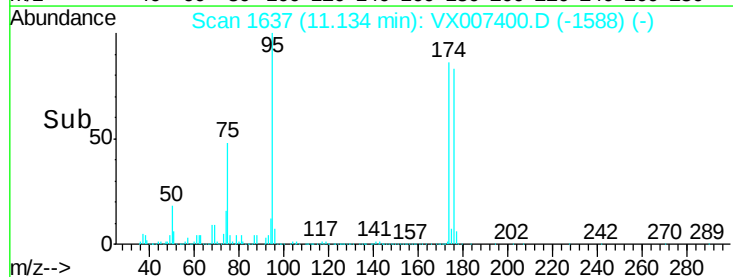
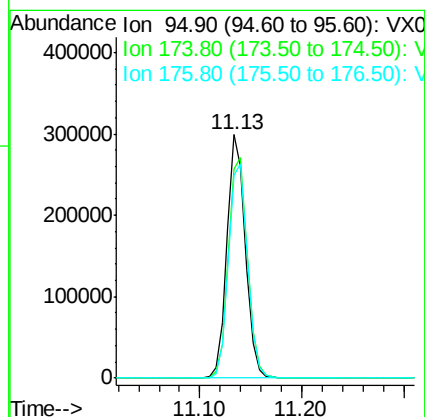
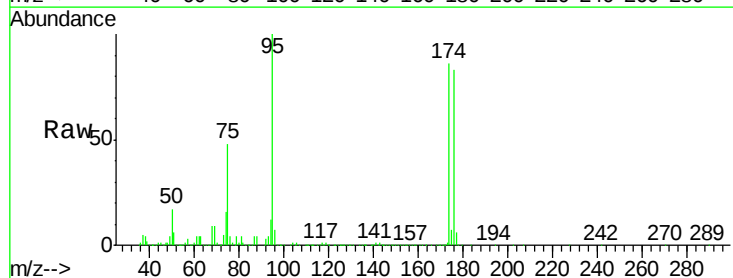
Tgt Ion: 95 Resp: 374038

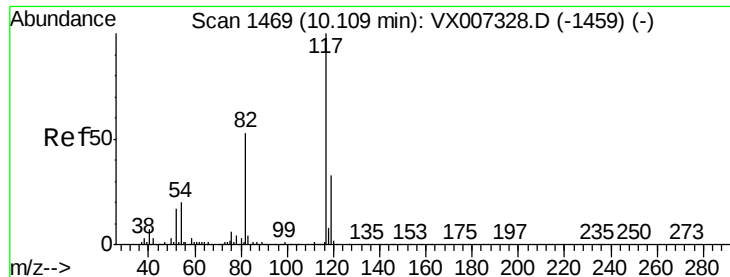
Ion Ratio Lower Upper

95 100

174 93.6 0.0 189.2

176 90.9 0.0 186.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007400.D

Acq: 06 Feb 2019 15:31

Instrument :

MSVOA_X

ClientSampleId :

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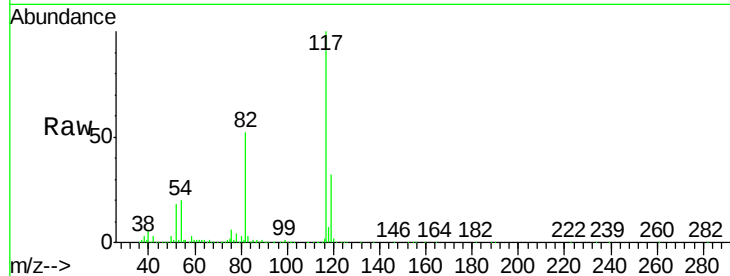
Tot Ion:117 Resp: 827851

Ion Ratio Lower Upper

117 100

82 52.3 42.1 63.1

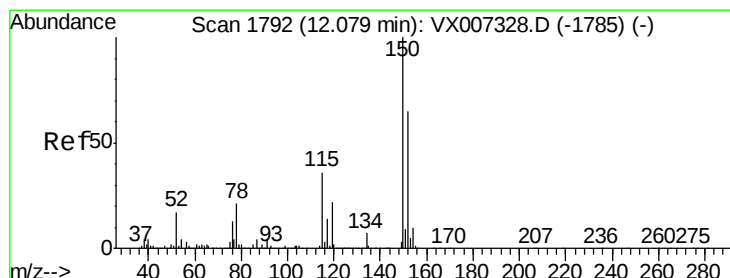
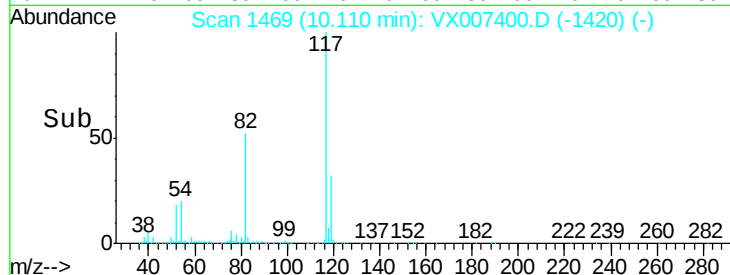
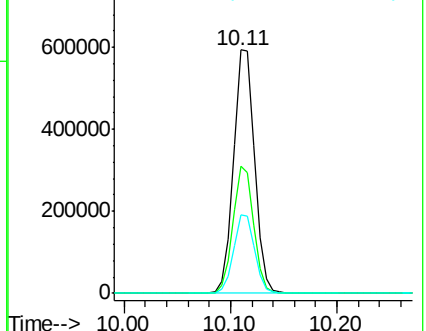
119 32.1 26.5 39.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VX007400.D

Acq: 06 Feb 2019 15:31

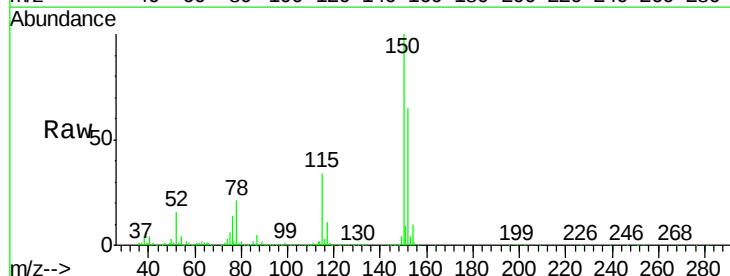
Tgt Ion:152 Resp: 402122

Ion Ratio Lower Upper

152 100

115 54.1 38.0 114.0

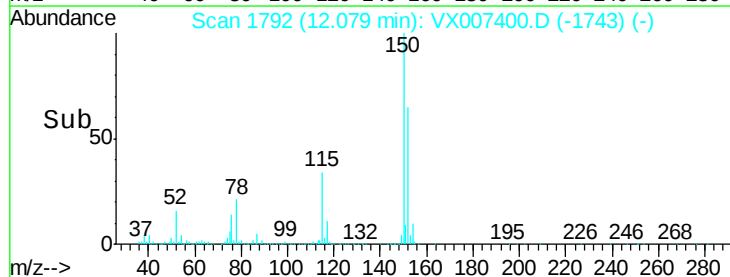
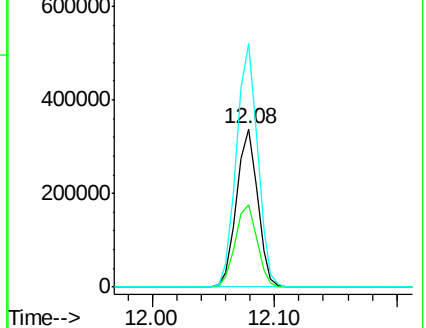
150 154.4 0.0 346.4

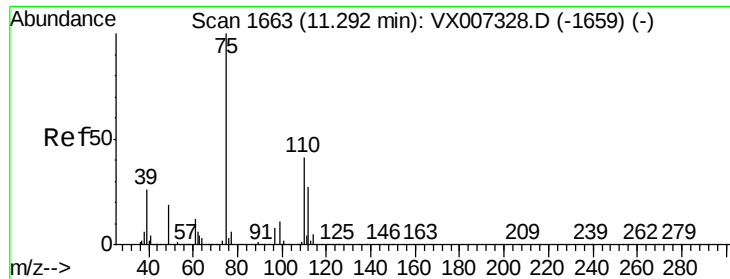


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.555 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007400.D

Acq: 06 Feb 2019 15:31

Instrument :

MSVOA_X

ClientSampleId :

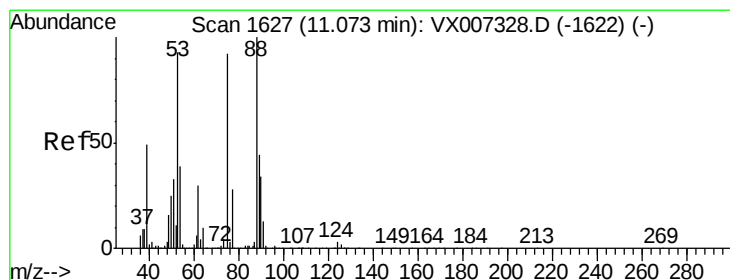
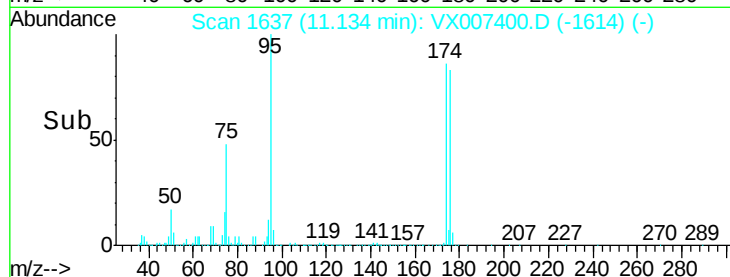
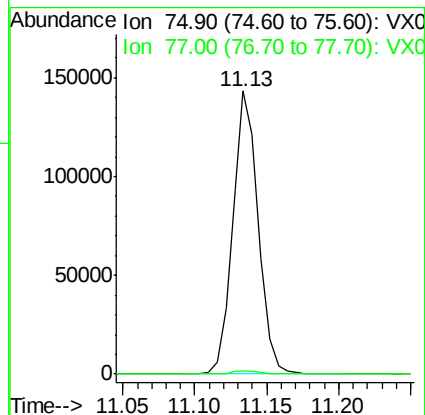
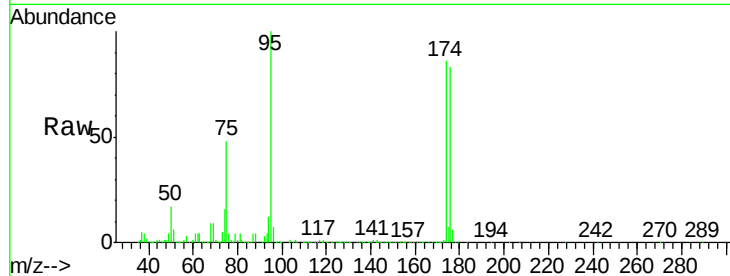
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Tot Ion: 75 Resp: 176419

Ion Ratio Lower Upper

75 100

77 1.5 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.048 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007400.D

Acq: 06 Feb 2019 15:31

Tgt Ion: 75 Resp: 176419

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.1 41.4 62.0#

