

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005920.D
 Acq On : 13 Nov 2018 00:53
 Operator : JC/MD
 Sample : VX1112WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBL02

Quant Time: Nov 13 04:47:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	104804	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.87	114	149111	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	133334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	64577	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	64439	53.48	ug/l	0.00
Spiked Amount			Recovery	=	106.96%	
35) Dibromofluoromethane	5.50	113	51179	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
50) Toluene-d8	8.71	98	176496	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
62) 4-Bromofluorobenzene	11.14	95	59832	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	

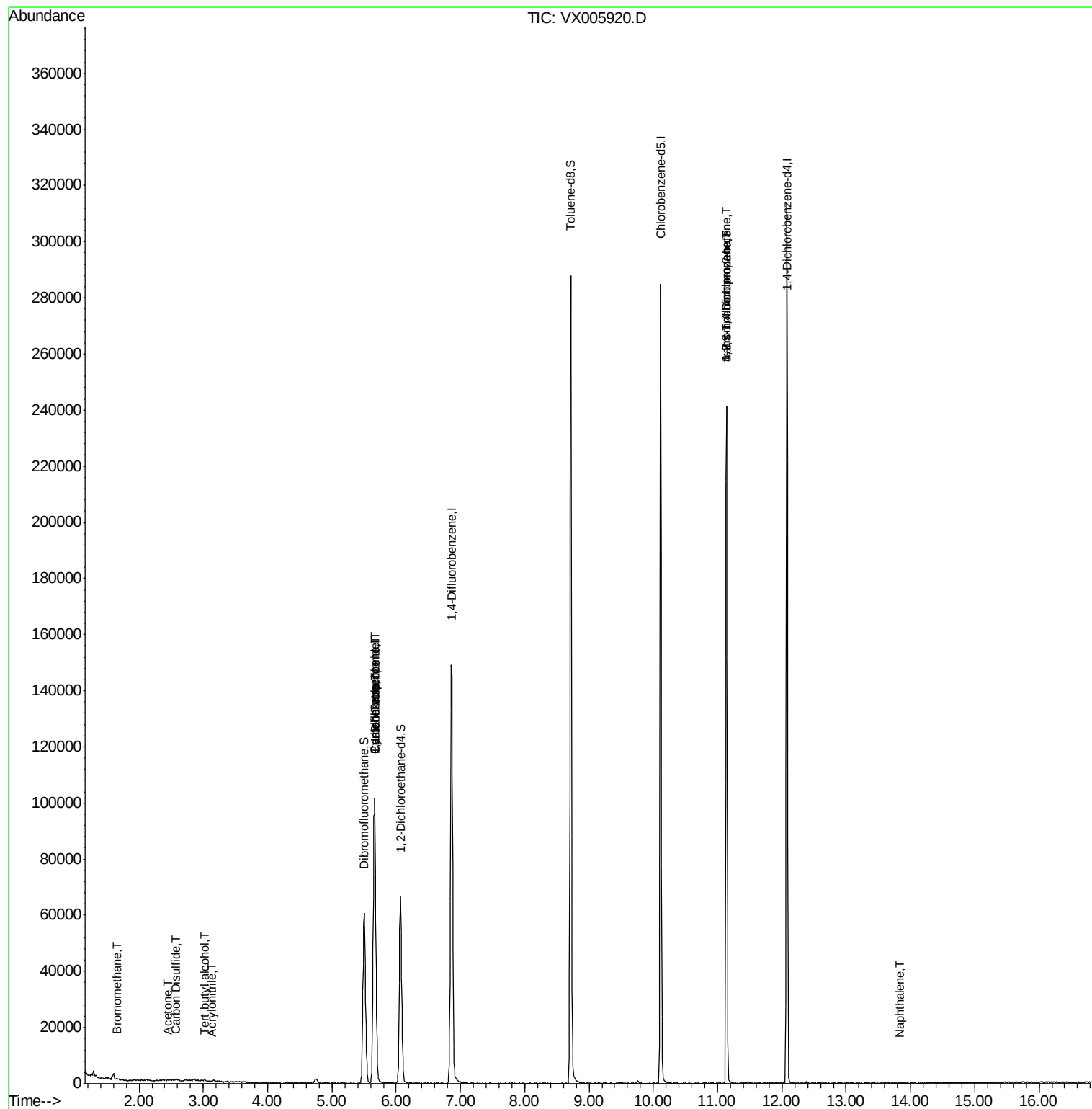
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	273	0.358	ug/l #	65
11) Tert butyl alcohol	3.01	59	443	1.283	ug/l #	72
15) Acrylonitrile	3.14	53	189	0.264	ug/l #	74
16) Acetone	2.45	43	422	0.651	ug/l #	45
17) Carbon Disulfide	2.57	76	609	0.220	ug/l #	74
18) Methyl Acetate	2.78	43	201	Below Cal	#	55
31) Cyclohexane	5.66	56	1917	1.142	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	7141	4.968	ug/l #	49
38) Carbon Tetrachloride	5.67	117	9931	6.901	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	30059	22.860	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	30059	72.858	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	153	Below Cal		78
95) Naphthalene	13.83	128	300	1.240	ug/l #	69

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

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VX1112WBL02

Quant Time: Nov 13 04:47:06 2018
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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005920.D

Acq: 13 Nov 2018 00:53

Instrument :

MSVOA_X

ClientSampleId :

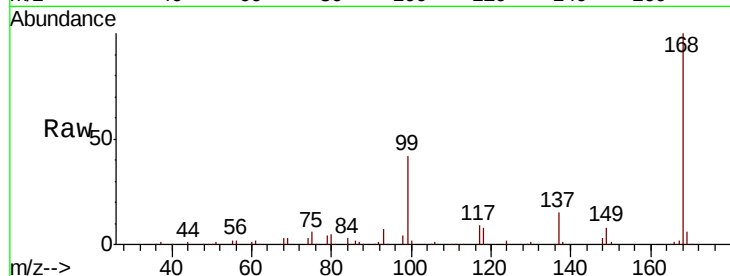
VX1112WBL02

Tot Ion:168 Resp: 104804

Ion Ratio Lower Upper

168 100

99 42.5 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

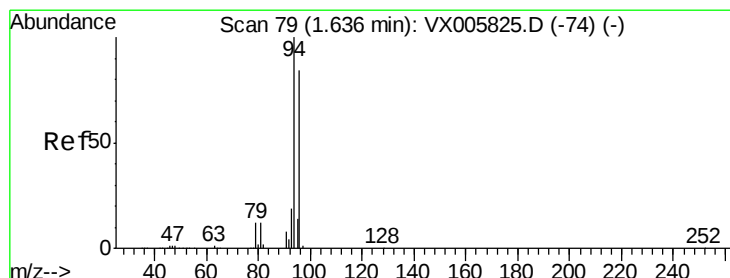
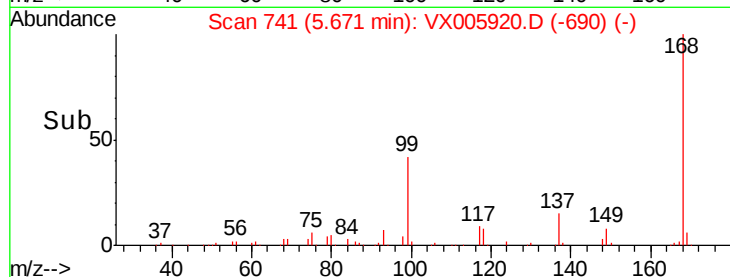
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.358 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005920.D

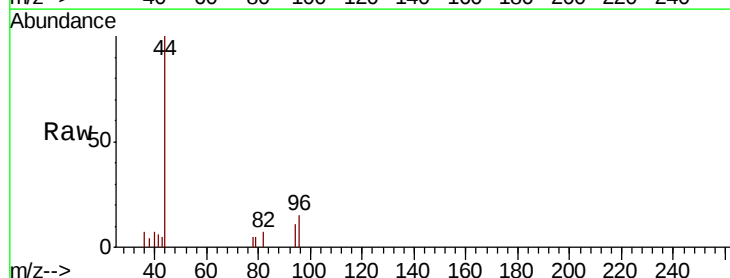
Acq: 13 Nov 2018 00:53

Tgt Ion: 94 Resp: 273

Ion Ratio Lower Upper

94 100

96 127.3 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

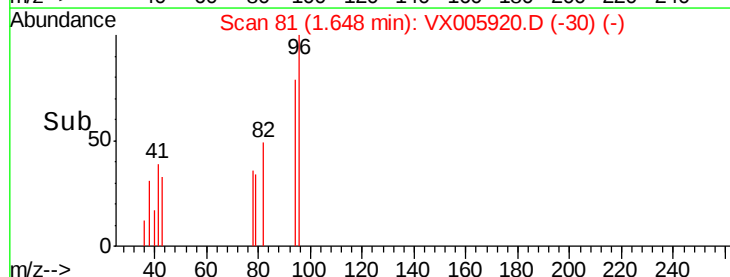
150

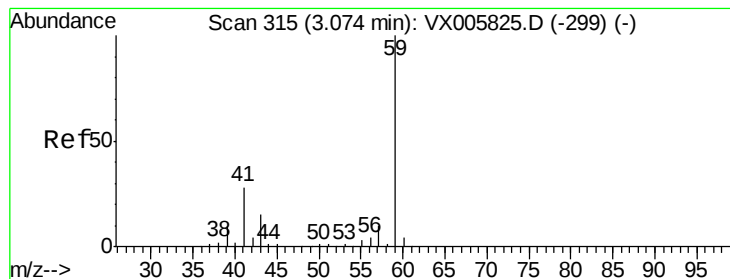
100

50

0

Time--> 1.60 1.65 1.70



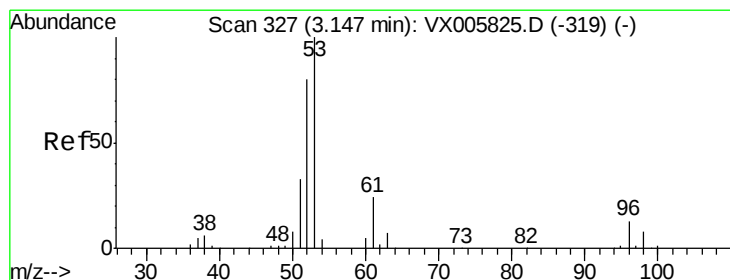
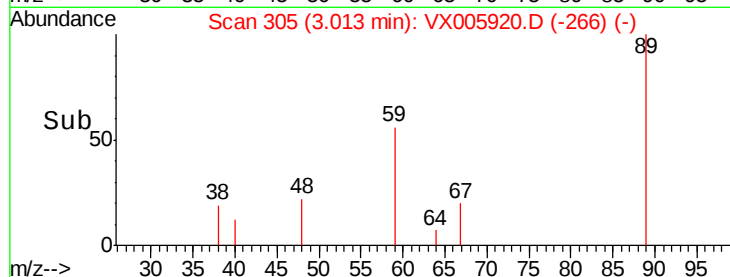
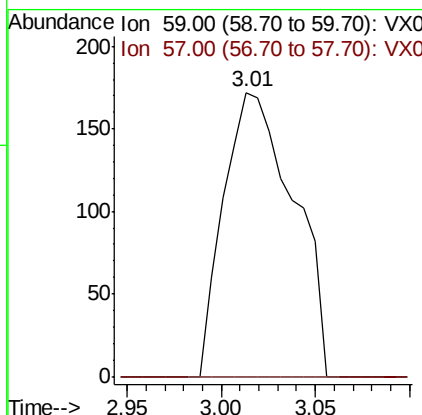
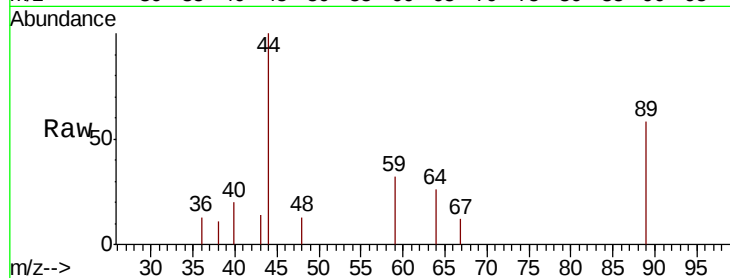


#11

Tert butyl alcohol
 Concen: 1.283 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.06 min
 Lab File: VX005920.D
 Acq: 13 Nov 2018 00:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBL02

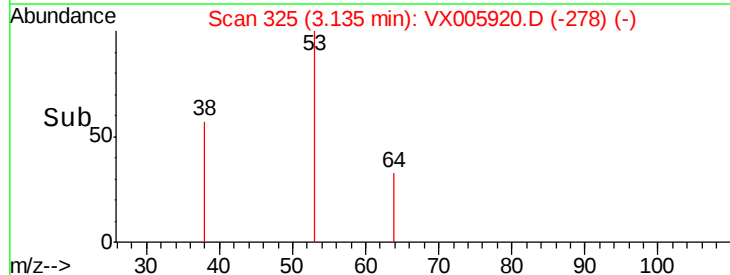
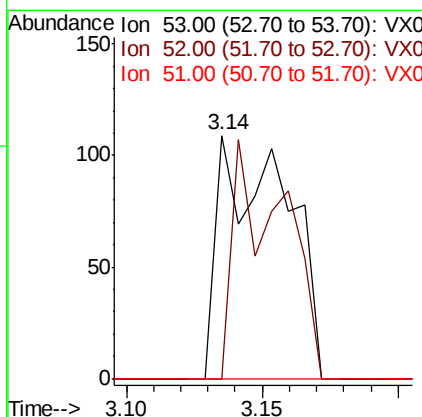
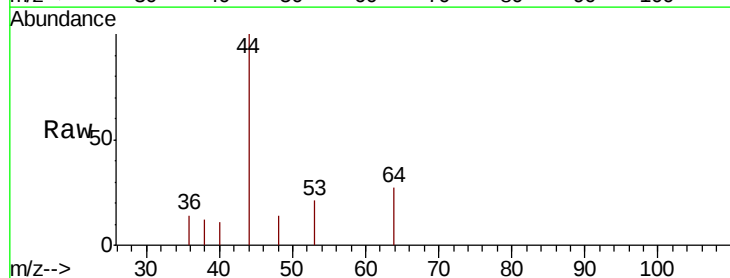
Tot Ion: 59 Resp: 443
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

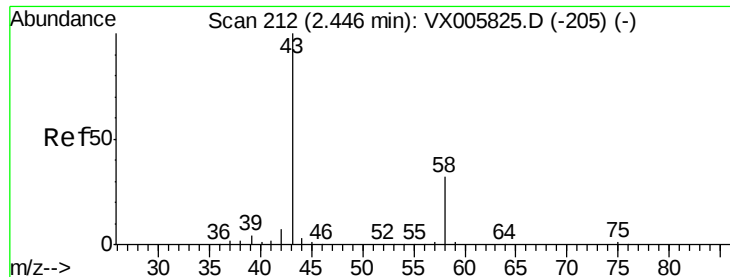


#15

Acrylonitrile
 Concen: 0.264 ug/l
 RT: 3.14 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VX005920.D
 Acq: 13 Nov 2018 00:53

Tgt Ion: 53 Resp: 189
 Ion Ratio Lower Upper
 53 100
 52 72.5 66.6 99.8
 51 0.0 28.4 42.6#





#16

Acetone

Concen: 0.651 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005920.D

Acq: 13 Nov 2018 00:53

Instrument :

MSVOA_X

ClientSampled :

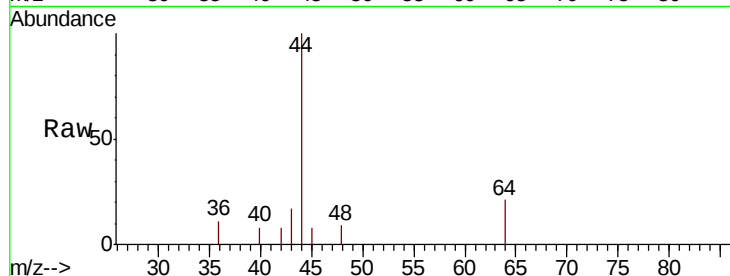
VX1112WBL02

Tot Ion: 43 Resp: 422

Ion Ratio Lower Upper

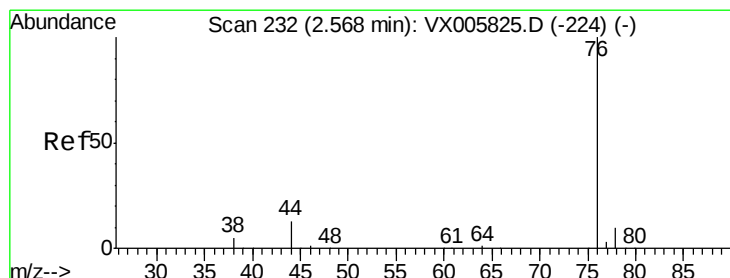
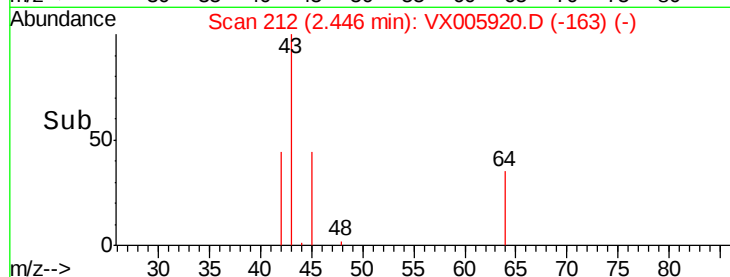
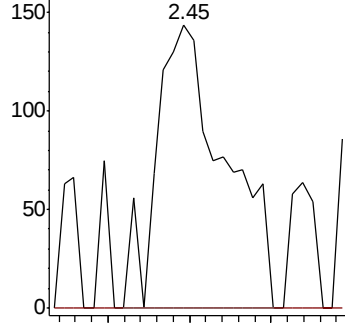
43 100

58 0.0 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.220 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX005920.D

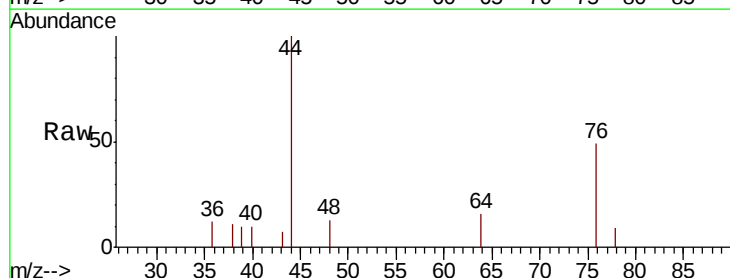
Acq: 13 Nov 2018 00:53

Tgt Ion: 76 Resp: 609

Ion Ratio Lower Upper

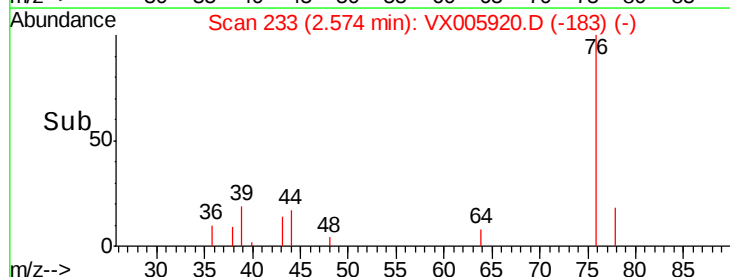
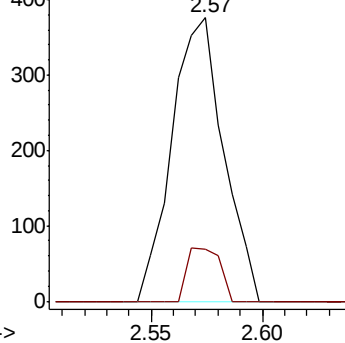
76 100

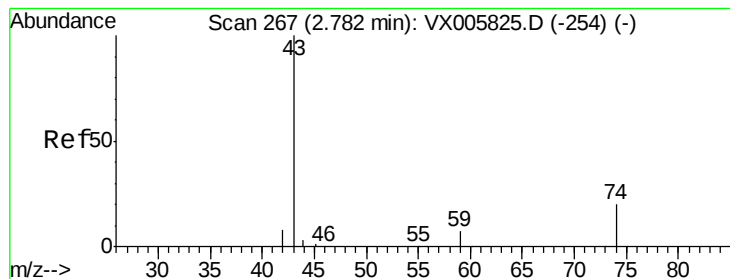
78 18.4 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005920.D

Acq: 13 Nov 2018 00:53

Instrument :

MSVOA_X

ClientSampleId :

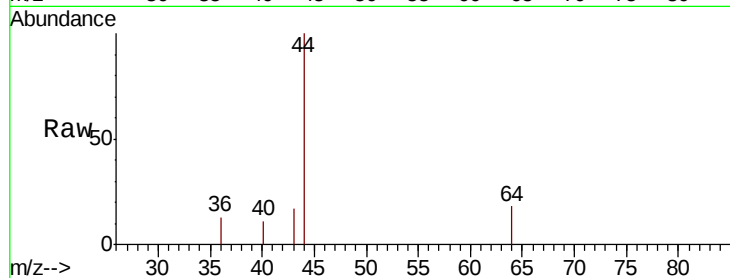
VX1112WBL02

Tot Ion: 43 Resp: 201

Ion Ratio Lower Upper

43 100

74 0.0 16.8 25.2#

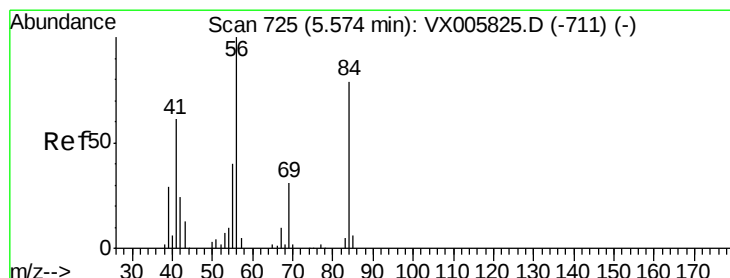
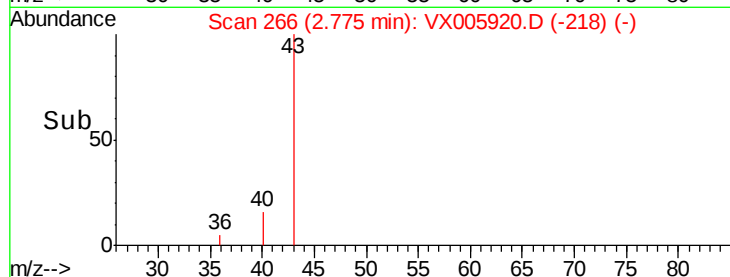
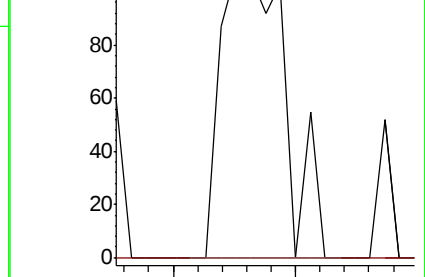


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

2.80



#31

Cyclohexane

Concen: 1.142 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005920.D

Acq: 13 Nov 2018 00:53

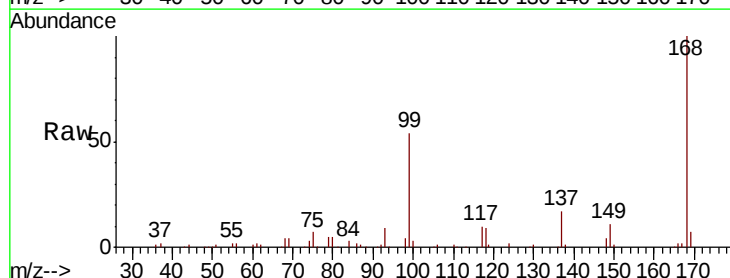
Tgt Ion: 56 Resp: 1917

Ion Ratio Lower Upper

56 100

69 168.0 22.6 34.0#

84 126.8 62.7 94.1#



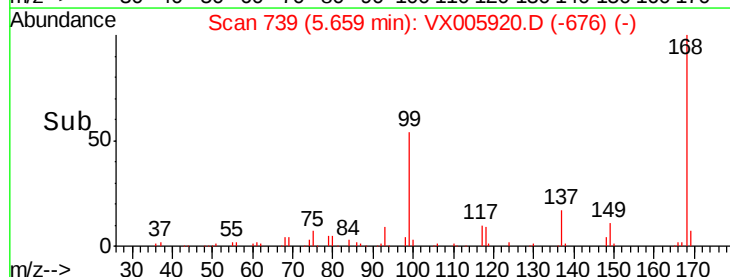
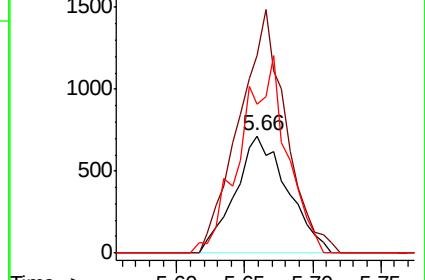
Abundance Ion 56.00 (55.70 to 56.70): VX0

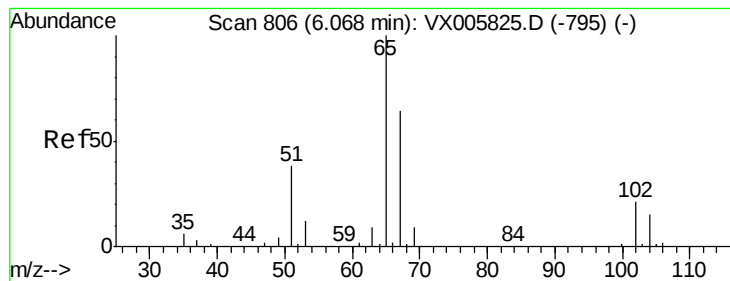
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.66

5.70





#33

1,2-Dichloroethane-d4

Concen: 53.483 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005920.D

Acq: 13 Nov 2018 00:53

Instrument :

MSVOA_X

ClientSampleId :

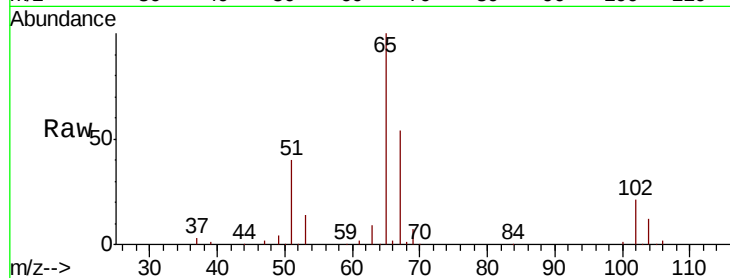
VX1112WBL02

Tot Ion: 65 Resp: 64439

Ion Ratio Lower Upper

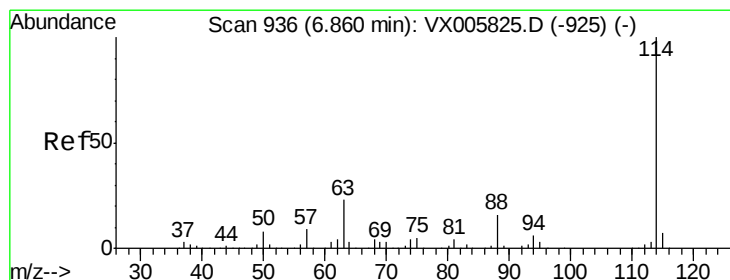
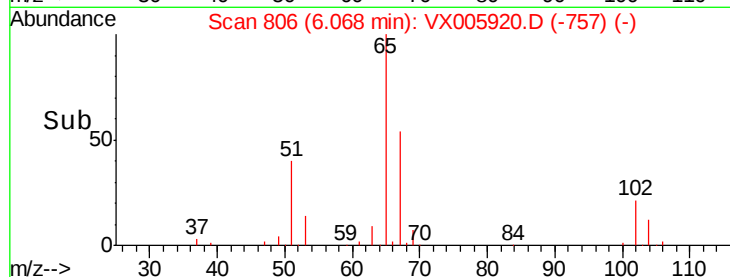
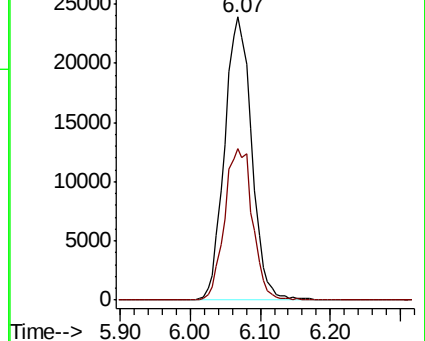
65 100

67 55.0 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: VX005920.D

Acq: 13 Nov 2018 00:53

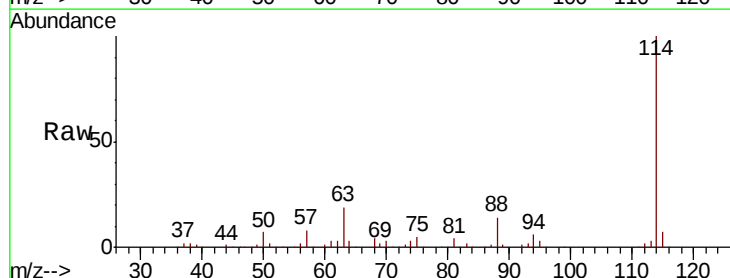
Tgt Ion: 114 Resp: 149111

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.8

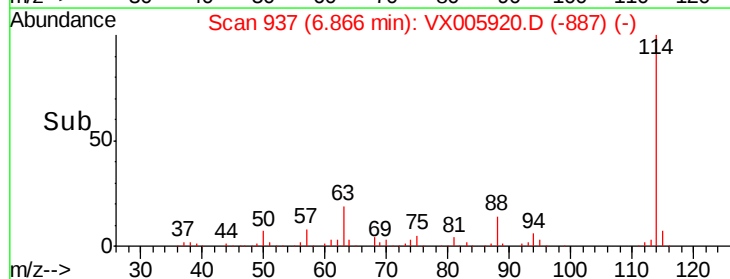
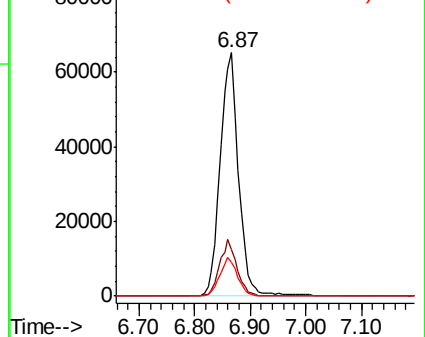
88 14.0 0.0 31.2

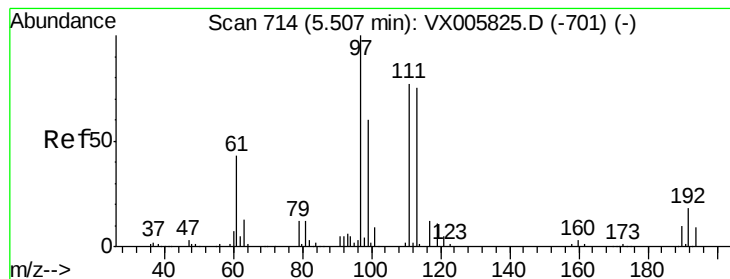


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.463 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005920.D

Acq: 13 Nov 2018 00:53

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBL02

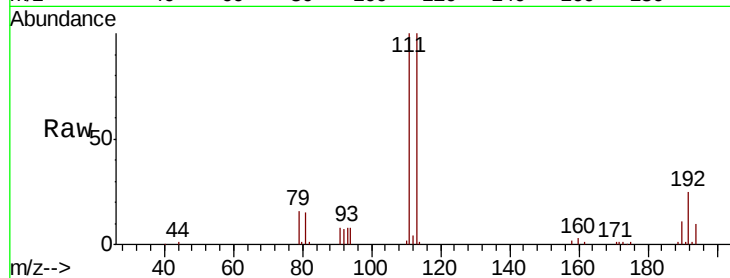
Tot Ion:113 Resp: 51179

Ion Ratio Lower Upper

113 100

111 102.7 82.3 123.5

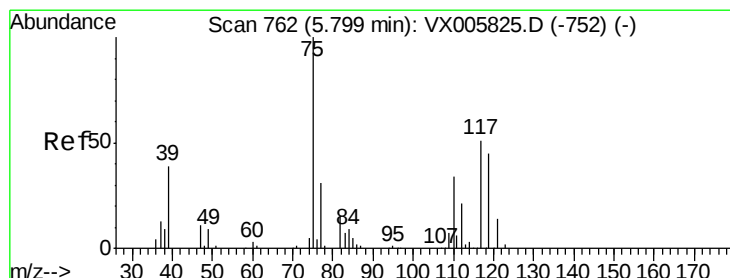
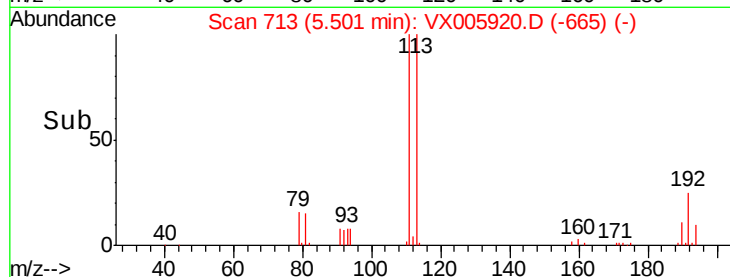
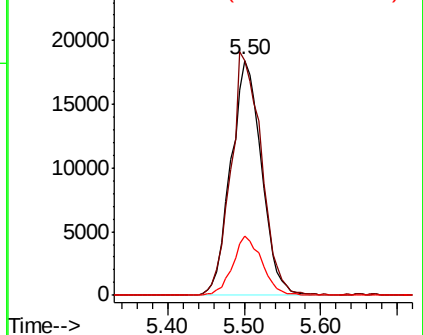
192 23.9 17.9 26.9



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: 4.968 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005920.D

Acq: 13 Nov 2018 00:53

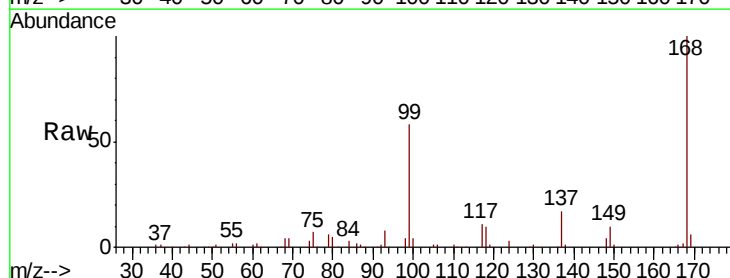
Tgt Ion: 75 Resp: 7141

Ion Ratio Lower Upper

75 100

110 8.7 17.4 52.2#

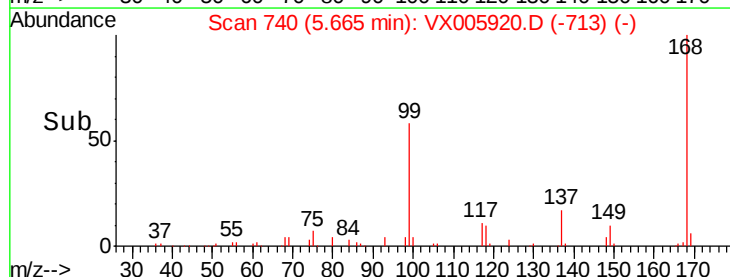
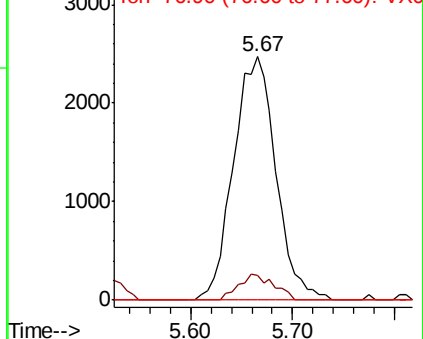
77 0.0 25.8 38.6#

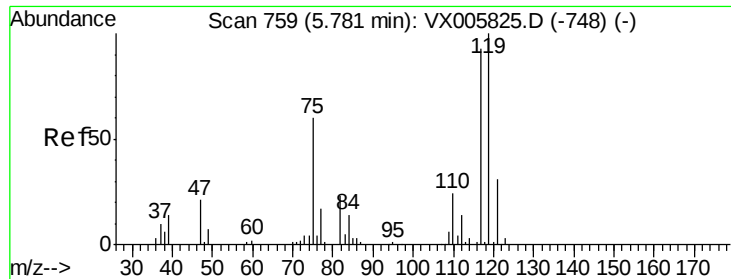


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.901 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005920.D

Acq: 13 Nov 2018 00:53

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBL02

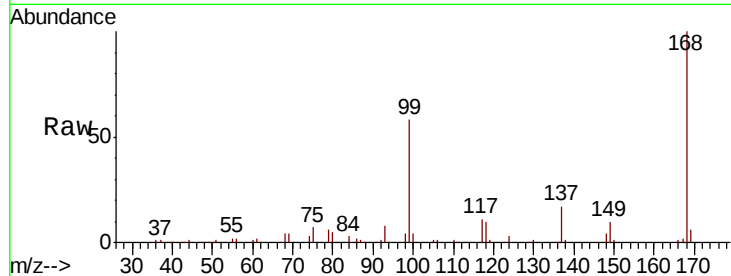
Tot Ion:117 Resp: 9931

Ion Ratio Lower Upper

117 100

119 4.9 78.1 117.1#

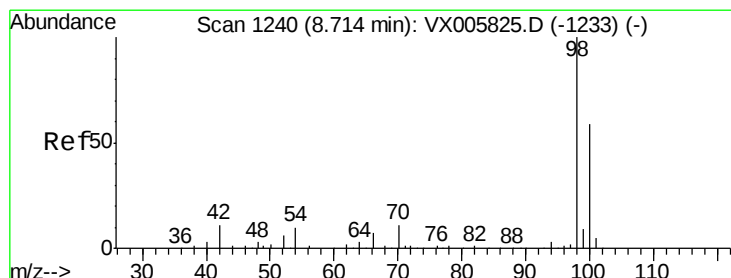
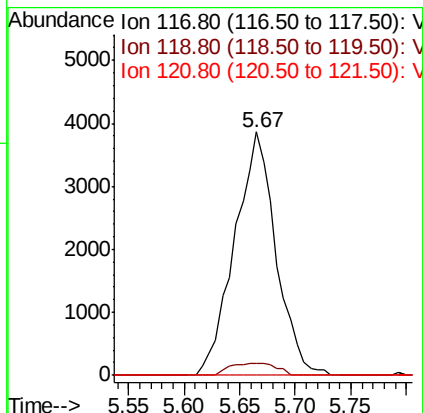
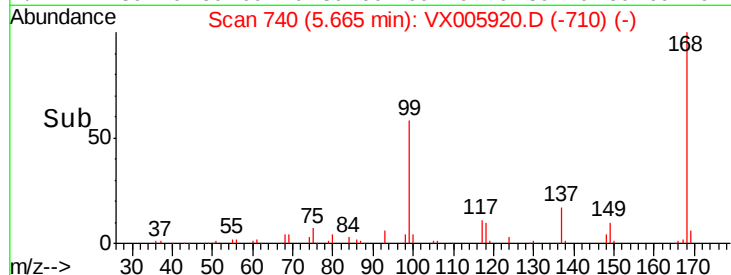
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 52.346 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005920.D

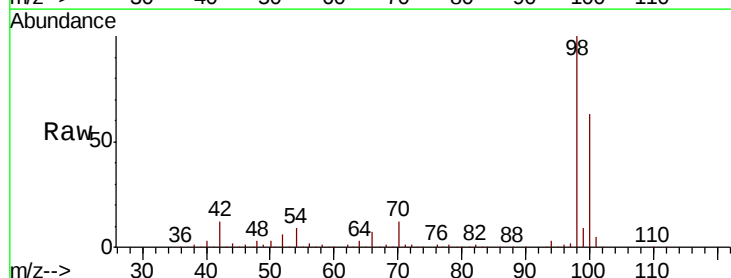
Acq: 13 Nov 2018 00:53

Tgt Ion: 98 Resp: 176496

Ion Ratio Lower Upper

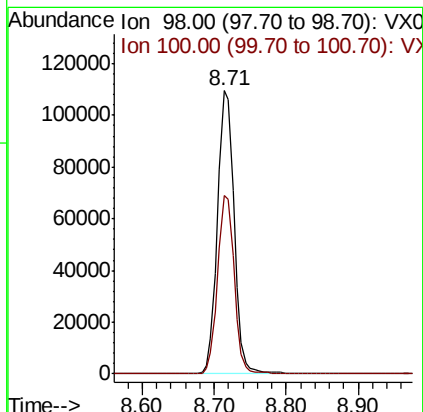
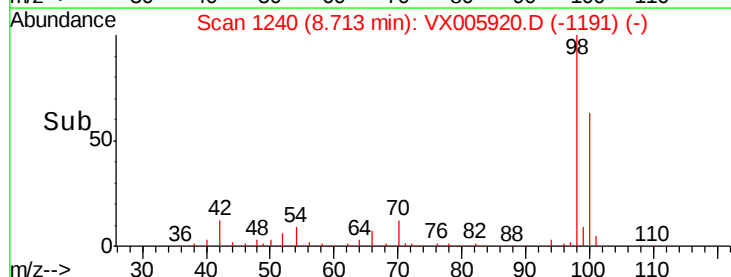
98 100

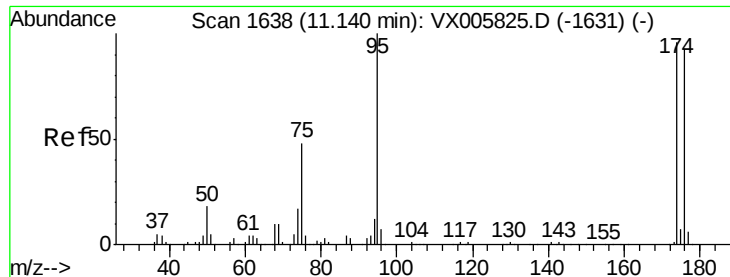
100 62.9 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 49.356 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005920.D

Acq: 13 Nov 2018 00:53

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBL02

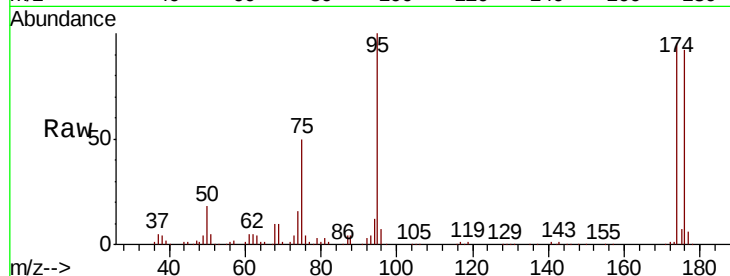
Tot Ion: 95 Resp: 59832

Ion Ratio Lower Upper

95 100

174 93.1 0.0 184.4

176 89.7 0.0 177.4

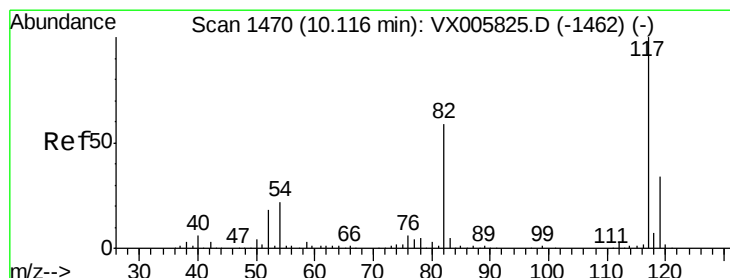
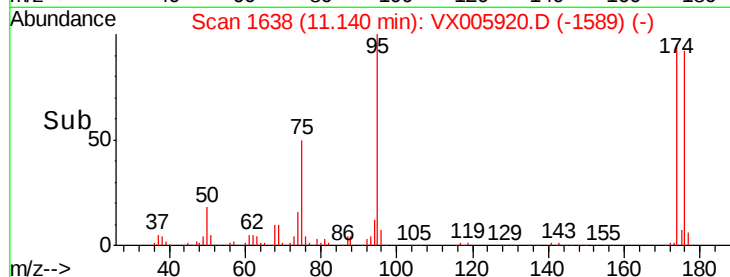


Abundance Ion 94.90 (94.60 to 95.60): VX005825.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005825.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005825.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005920.D

Acq: 13 Nov 2018 00:53

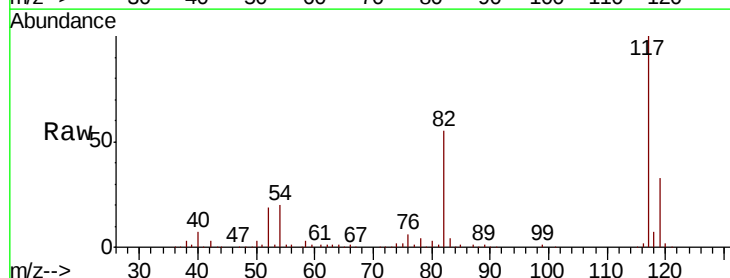
Tgt Ion: 117 Resp: 133334

Ion Ratio Lower Upper

117 100

82 55.2 44.1 66.1

119 32.8 26.2 39.2

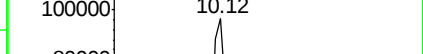
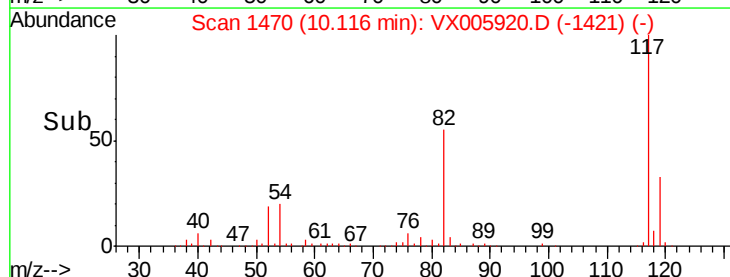


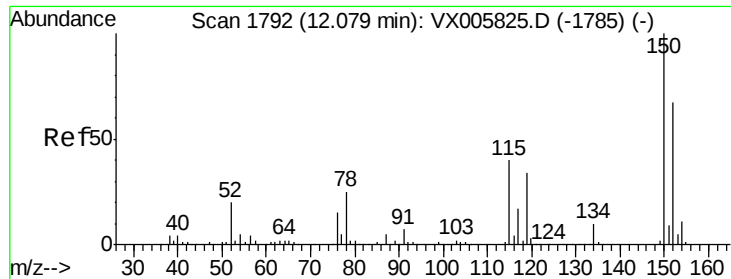
Abundance Ion 116.90 (116.60 to 117.60): VX005825.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005825.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005825.D (-1462) (-)

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: VX005920.D

Acq: 13 Nov 2018 00:53

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBL02

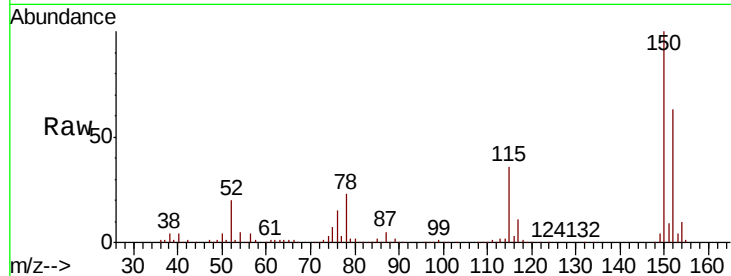
Tot Ion:152 Resp: 64577

Ion Ratio Lower Upper

152 100

115 56.5 39.4 118.1

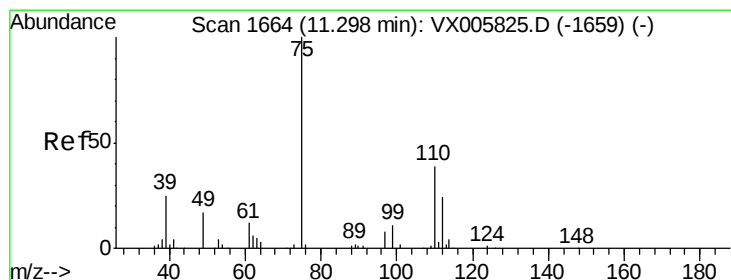
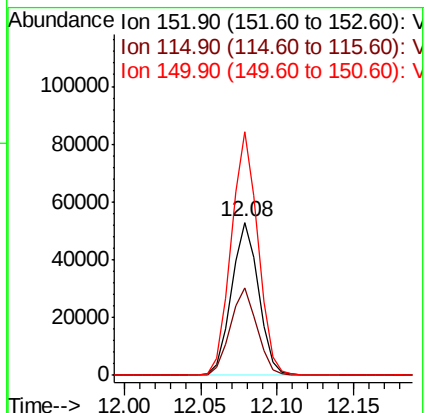
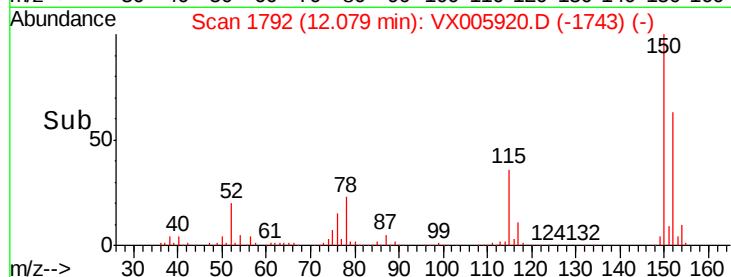
150 157.6 0.0 346.4



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: 22.860 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005920.D

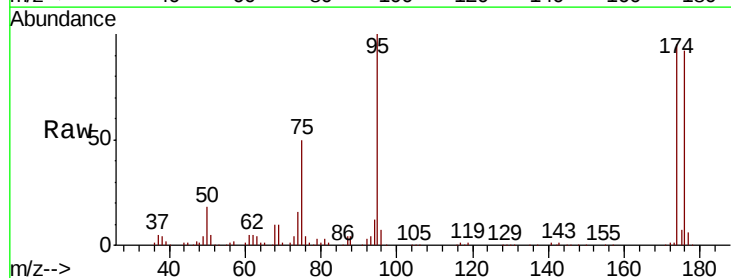
Acq: 13 Nov 2018 00:53

Tgt Ion: 75 Resp: 30059

Ion Ratio Lower Upper

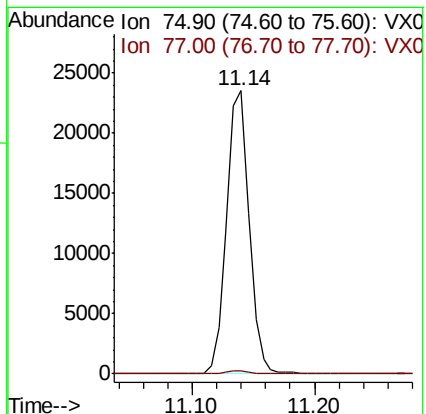
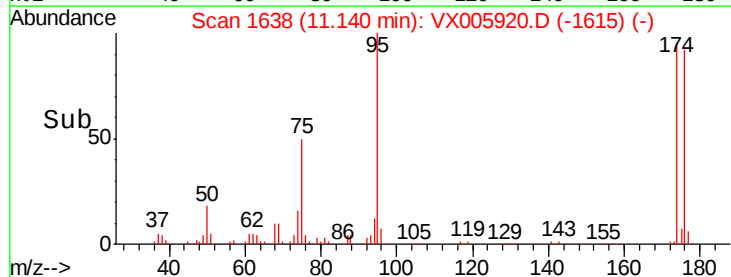
75 100

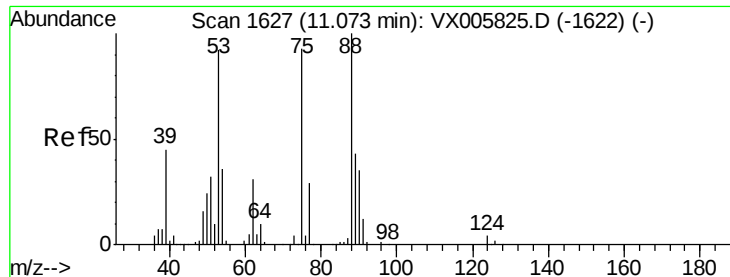
77 1.1 20.5 61.6#



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: 72.858 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005920.D

Acq: 13 Nov 2018 00:53

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBL02

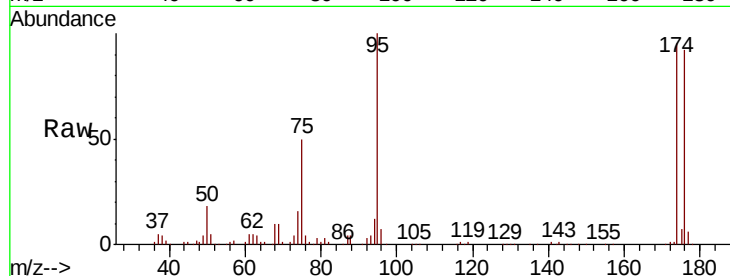
Tot Ion: 75 Resp: 30059

Ion Ratio Lower Upper

75 100

53 0.1 80.2 120.2#

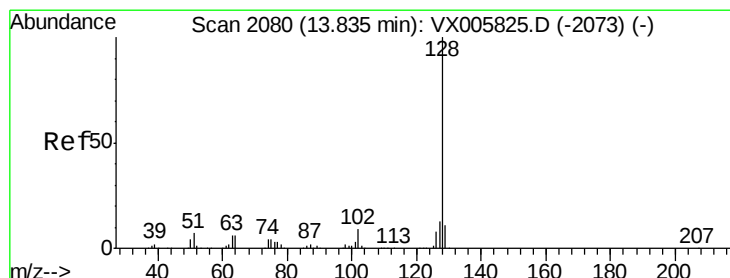
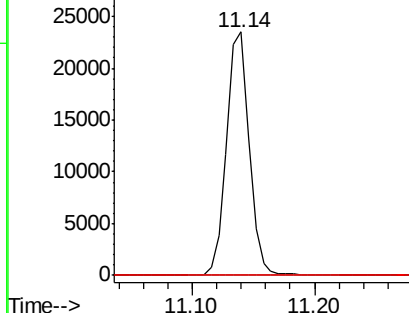
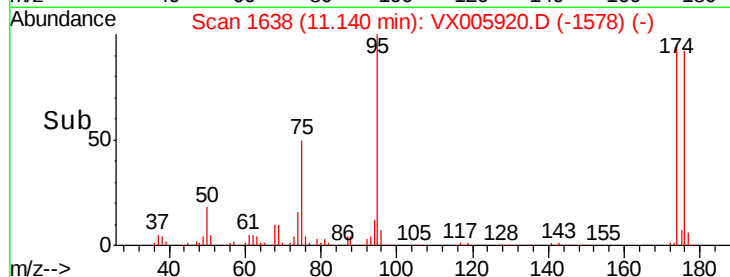
89 0.0 39.8 59.8#



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



#95

Naphthalene

Concen: 1.240 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005920.D

Acq: 13 Nov 2018 00:53

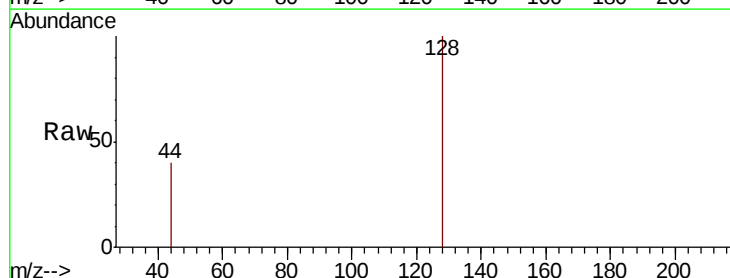
Tgt Ion: 128 Resp: 300

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

