

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062518\
 Data File : VX002881.D
 Acq On : 26 Jun 2018 01:14
 Operator : JC/MD
 Sample : J3705-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 W-14

Quant Time: Jun 27 05:29:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	236118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	334927	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	310858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176178	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	163007	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
35) Dibromofluoromethane	5.51	113	129037	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
50) Toluene-d8	8.72	98	469273	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
62) 4-Bromofluorobenzene	11.14	95	167328	44.80	ug/l	0.00
Spiked Amount			Recovery	=	89.60%	

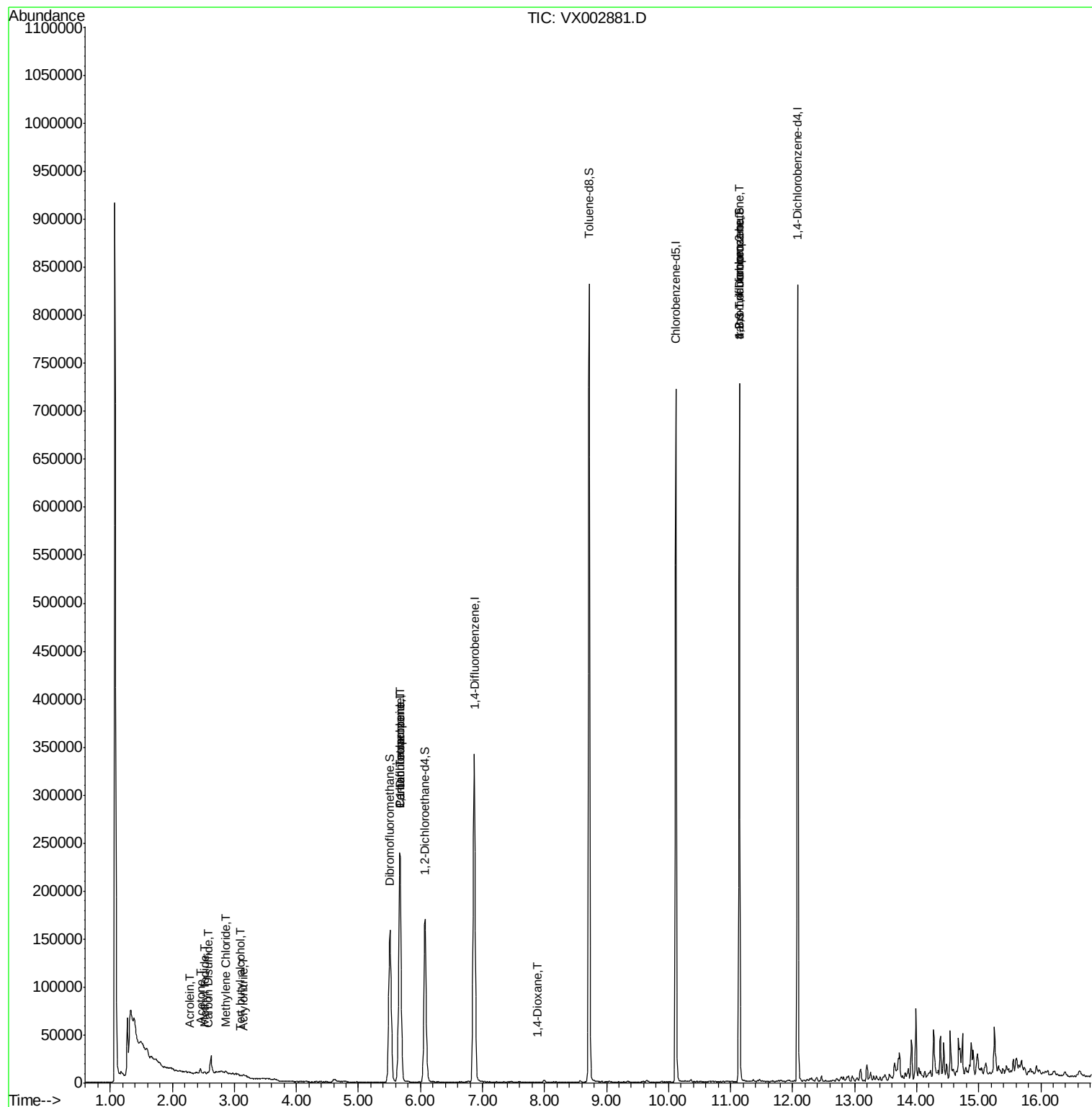
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	137	Below Cal	#	43
5) Bromomethane	1.67	94	1800	Below Cal		96
10) Methyl Iodide	2.52	142	2555	7.07	ug/l	98
11) Tert butyl alcohol	3.09	59	204	0.31	ug/l	98
13) Acrolein	2.29	56	140	4.61	ug/l	# 14
15) Acrylonitrile	3.13	53	311	0.22	ug/l	# 70
16) Acetone	2.45	43	4505	3.33	ug/l	93
17) Carbon Disulfide	2.57	76	3109	0.50	ug/l	# 93
20) Methylene Chloride	2.85	84	593	0.23	ug/l	# 70
36) 1,1-Dichloropropene	5.66	75	16016	4.36	ug/l	# 41
38) Carbon Tetrachloride	5.67	117	21723	5.39	ug/l	# 15
49) 1,4-Dioxane	7.88	88	19	0.29	ug/l	# 1
76) 1,2,3-Trichloropropane	11.14	75	87349	27.37	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	87349	77.44	ug/l	# 6

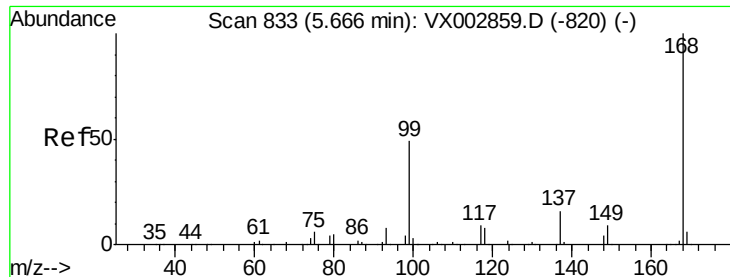
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX002881.D

Acq: 26 Jun 2018 01:14

Instrument :

MSVOA_X

ClientSampleId :

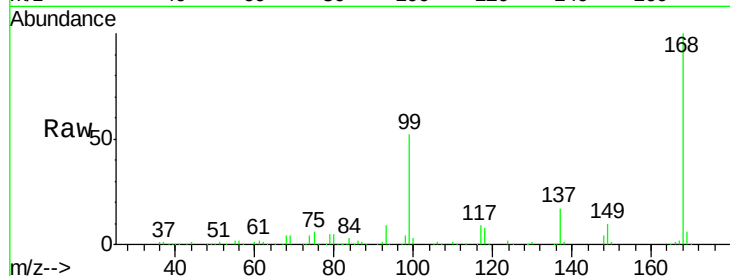
W-14

Tot Ion:168 Resp: 236118

Ion Ratio Lower Upper

168 100

99 51.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

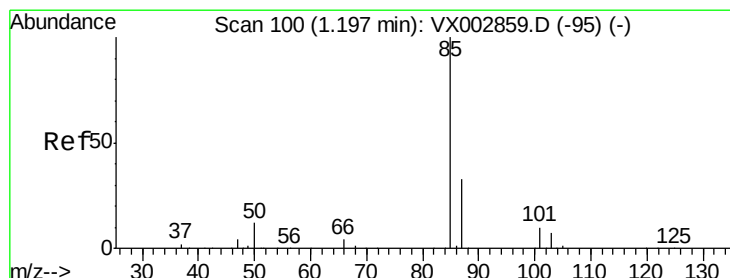
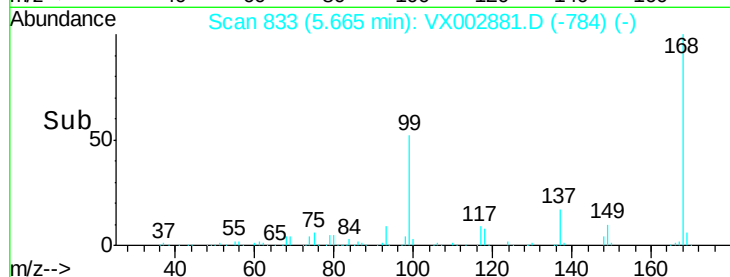
40000

20000

0

Time-->

5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX002881.D

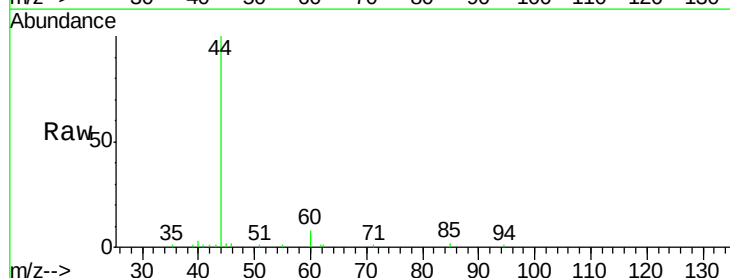
Acq: 26 Jun 2018 01:14

Tgt Ion: 85 Resp: 137

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150

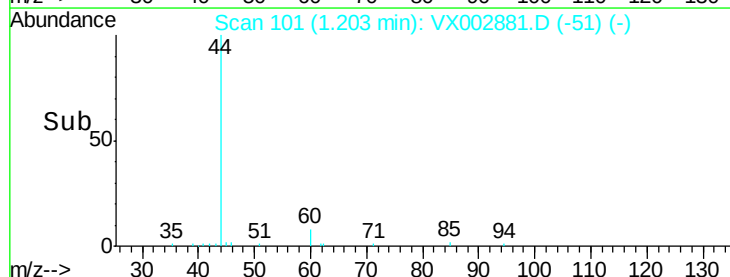
100

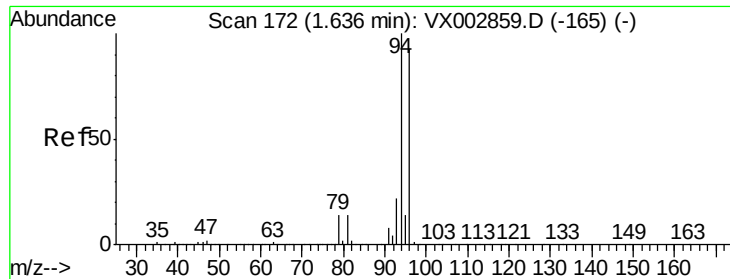
50

0

Time-->

1.18 1.20 1.22





#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX002881.D

Acq: 26 Jun 2018 01:14

Instrument :

MSVOA_X

ClientSampleId :

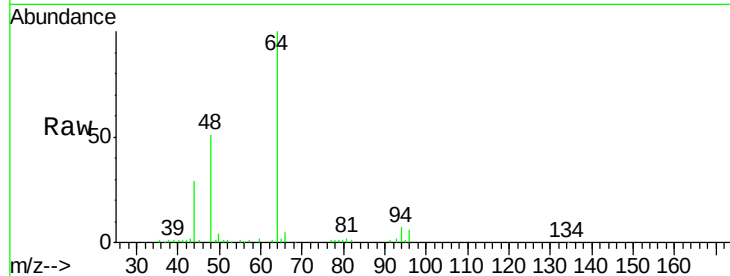
W-14

Tot Ion: 94 Resp: 1800

Ion Ratio Lower Upper

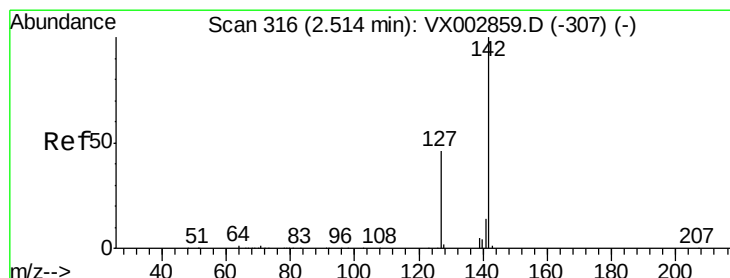
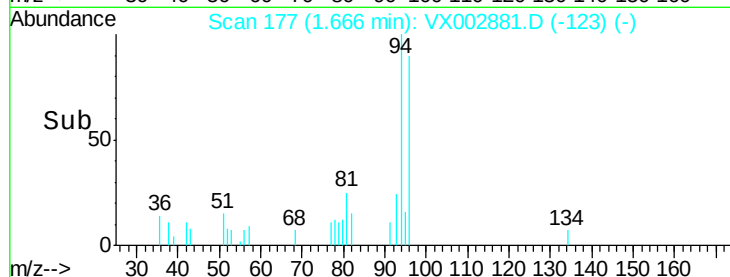
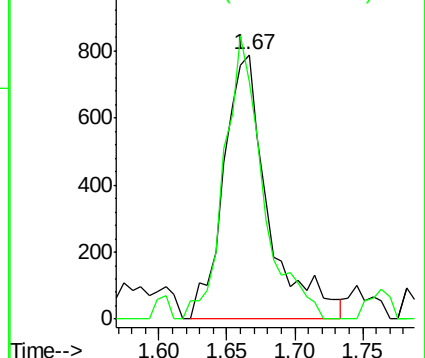
94 100

96 90.0 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 7.07 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002881.D

Acq: 26 Jun 2018 01:14

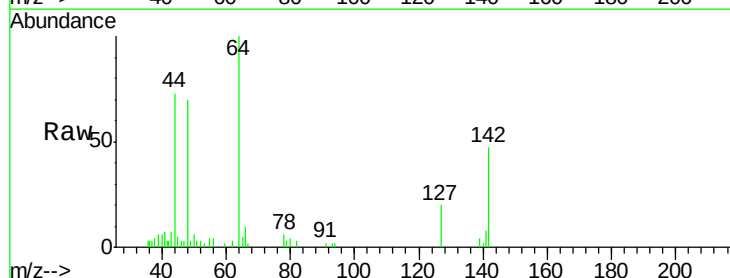
Tgt Ion:142 Resp: 2555

Ion Ratio Lower Upper

142 100

127 46.5 36.6 55.0

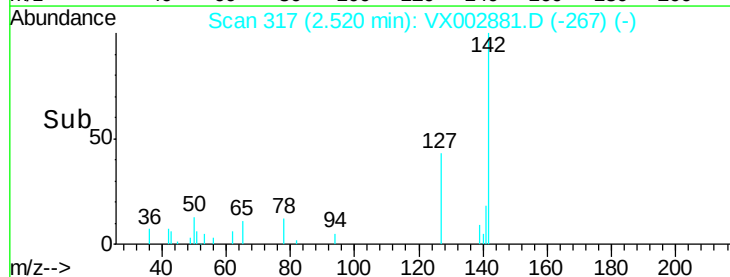
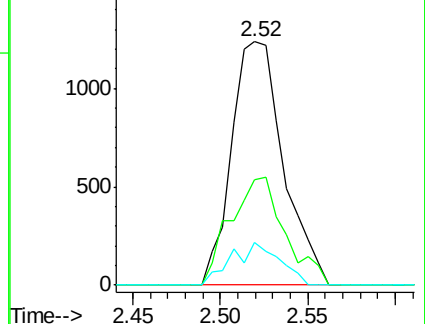
141 16.4 11.3 16.9

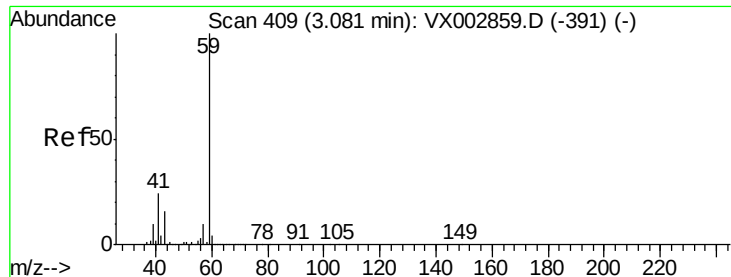


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



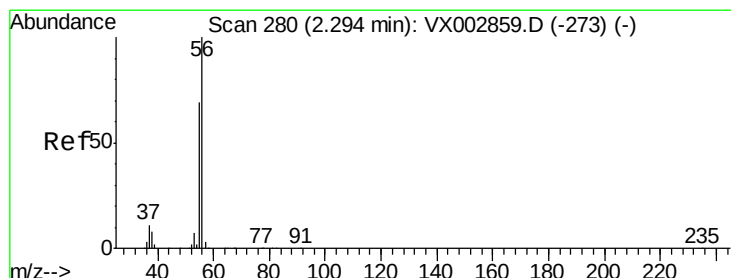
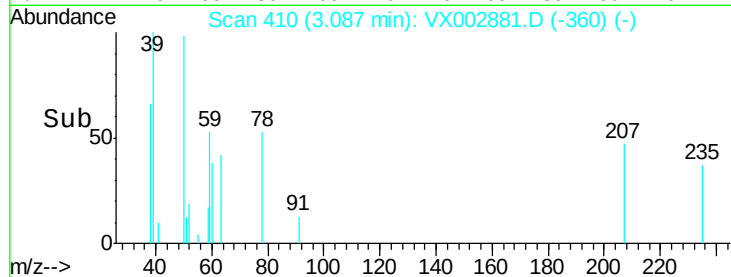
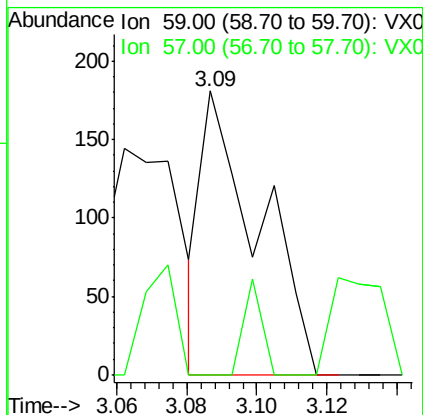
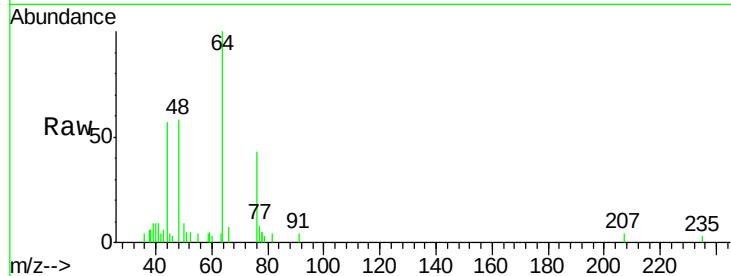


#11

Tert butyl alcohol
 Concen: 0.31 ug/l
 RT: 3.09 min Scan# 410
 Delta R.T. 0.01 min
 Lab File: VX002881.D
 Acq: 26 Jun 2018 01:14

Instrument :
 MSVOA_X
 ClientSampled :
 W-14

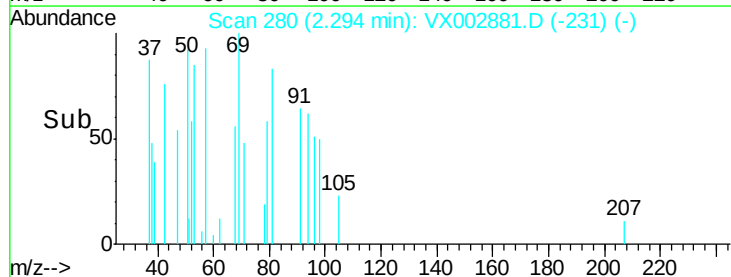
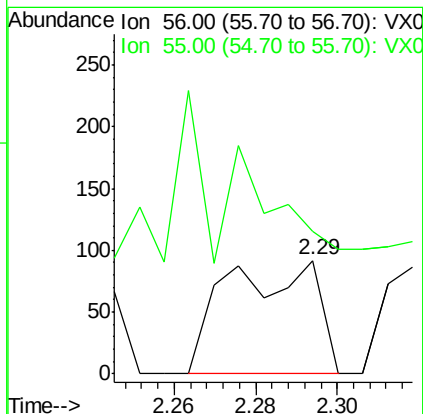
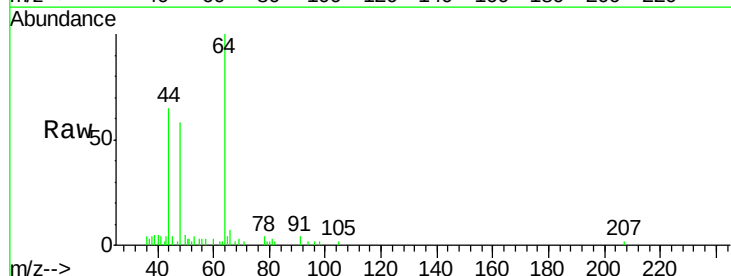
Tot Ion: 59 Resp: 204
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.2 12.2

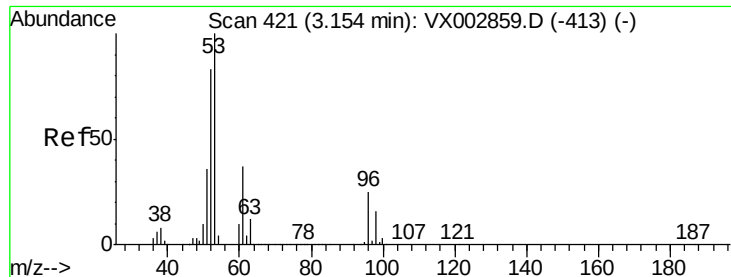


#13

Acrolein
 Concen: 4.61 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX002881.D
 Acq: 26 Jun 2018 01:14

Tgt Ion: 56 Resp: 140
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.4#





#15

Acrylonitrile

Concen: 0.22 ug/l

RT: 3.13 min Scan# 417

Delta R.T. -0.02 min

Lab File: VX002881.D

Acq: 26 Jun 2018 01:14

Instrument :

MSVOA_X

ClientSampled :

W-14

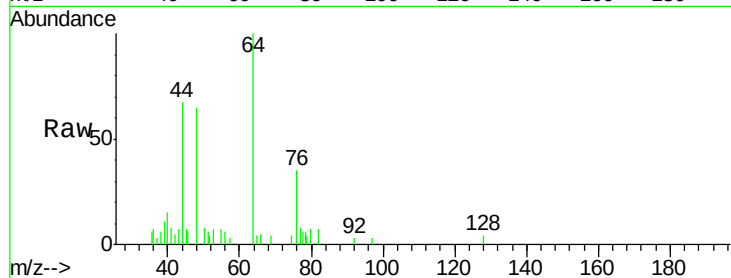
Tot Ion: 53 Resp: 311

Ion Ratio Lower Upper

53 100

52 46.6 66.7 100.1#

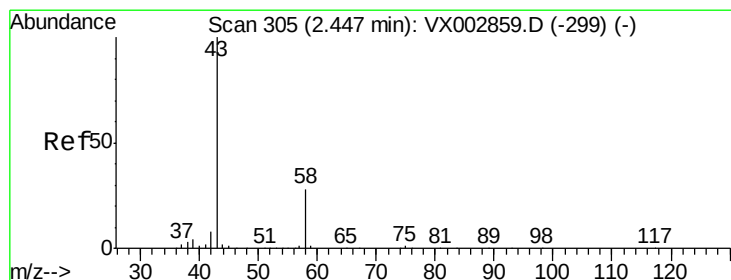
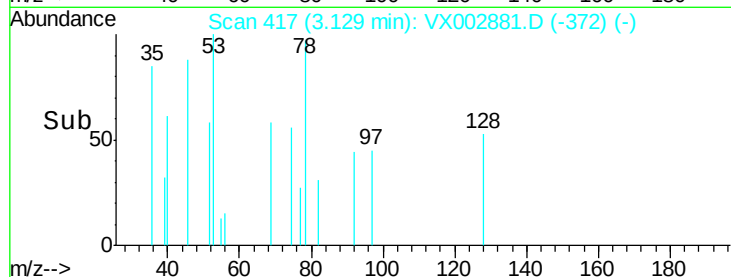
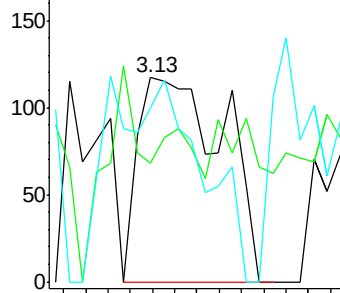
51 41.5 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 3.33 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX002881.D

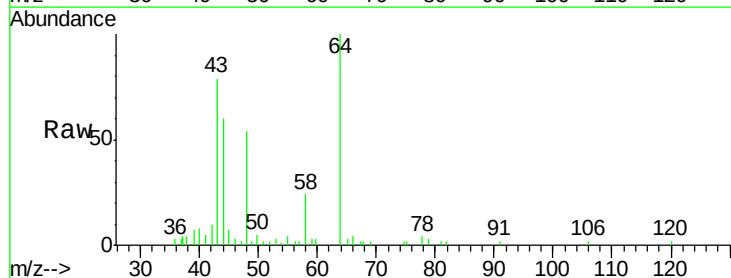
Acq: 26 Jun 2018 01:14

Tgt Ion: 43 Resp: 4505

Ion Ratio Lower Upper

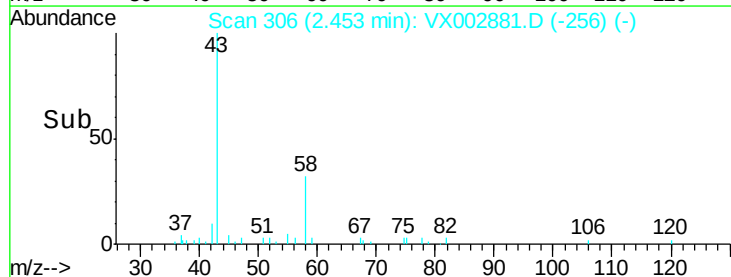
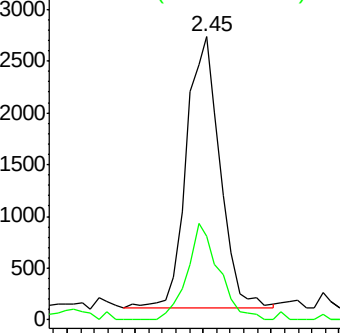
43 100

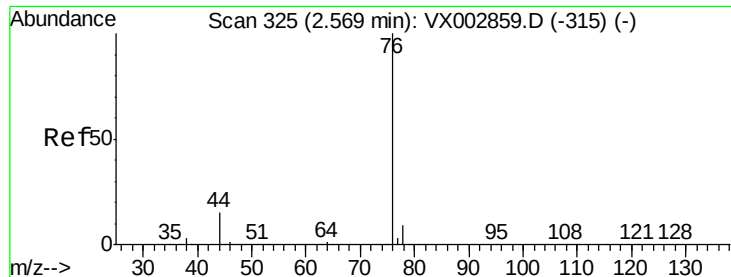
58 31.1 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.50 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002881.D

Acq: 26 Jun 2018 01:14

Instrument :

MSVOA_X

ClientSampleId :

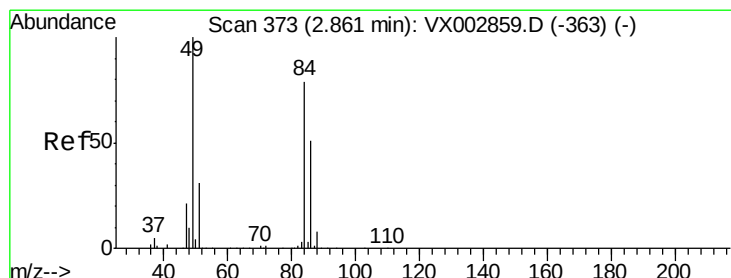
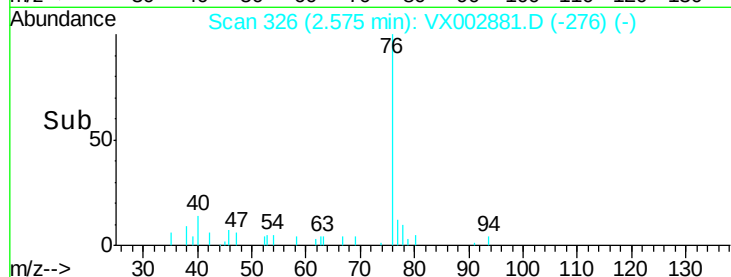
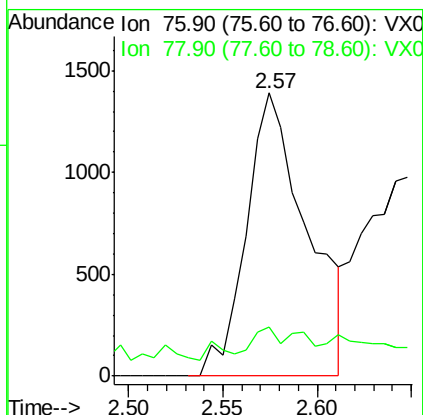
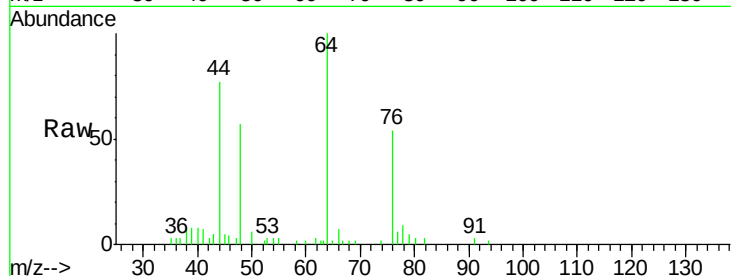
W-14

Tot Ion: 76 Resp: 3109

Ion Ratio Lower Upper

76 100

78 11.2 6.9 10.3#



#20

Methylene Chloride

Concen: 0.23 ug/l

RT: 2.85 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX002881.D

Acq: 26 Jun 2018 01:14

Tgt Ion: 84 Resp: 593

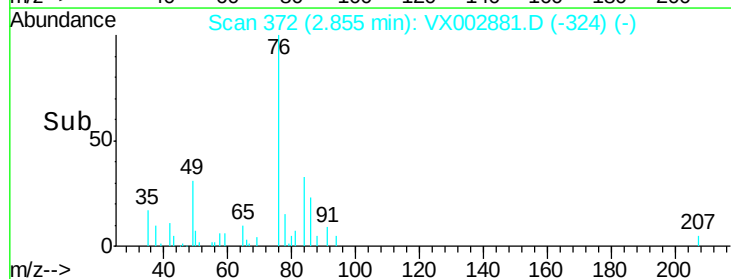
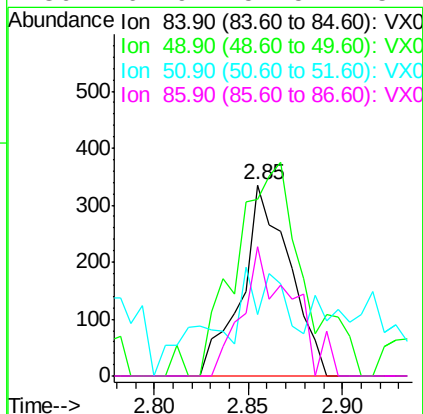
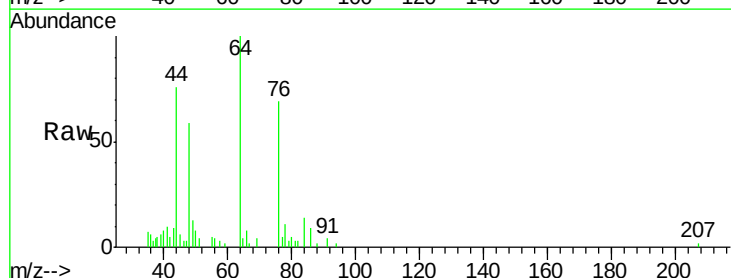
Ion Ratio Lower Upper

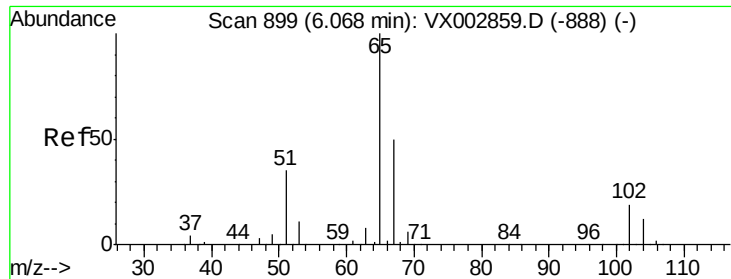
84 100

49 92.3 107.8 161.6#

51 6.8 32.8 49.2#

86 67.9 52.5 78.7

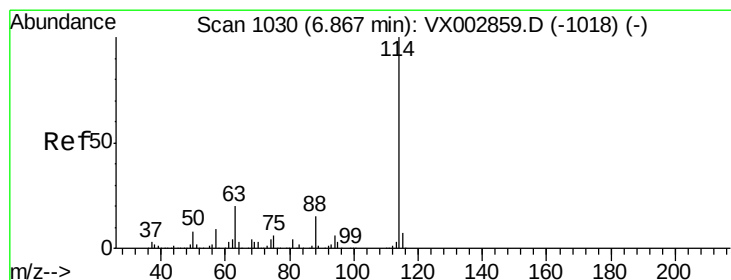
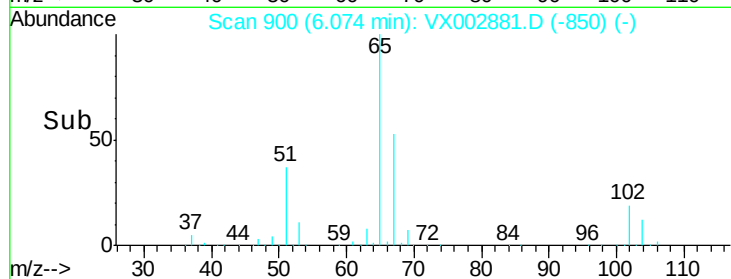
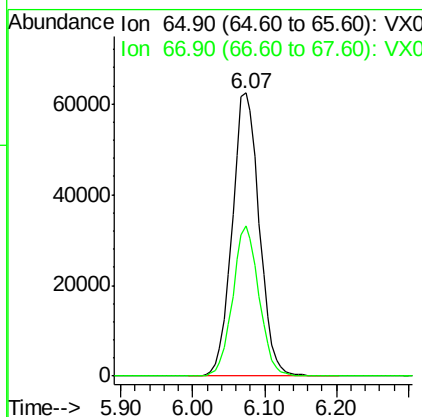
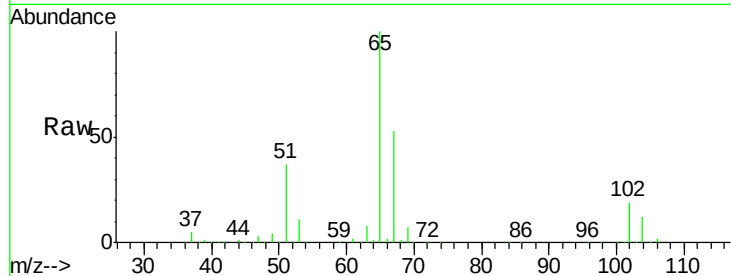




#33
 1,2-Dichloroethane-d4
 Concen: 49.95 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002881.D
 Acq: 26 Jun 2018 01:14

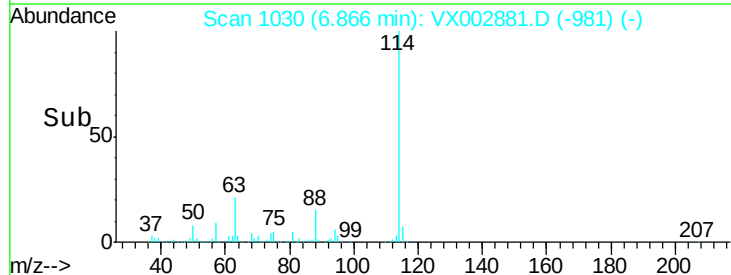
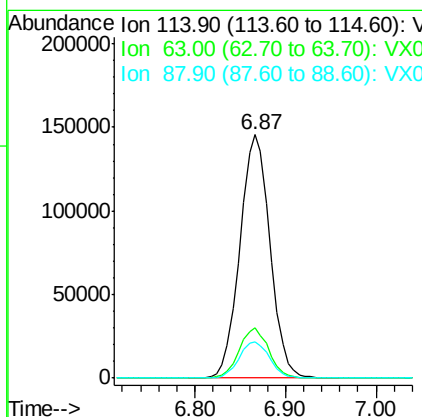
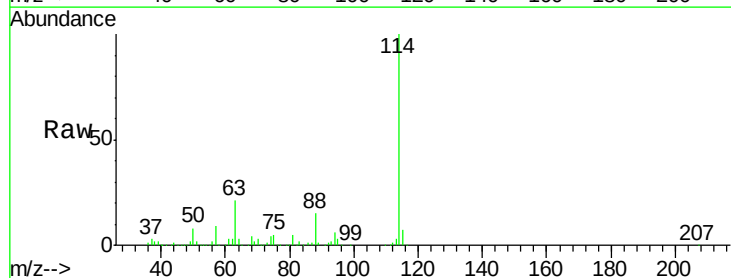
Instrument :
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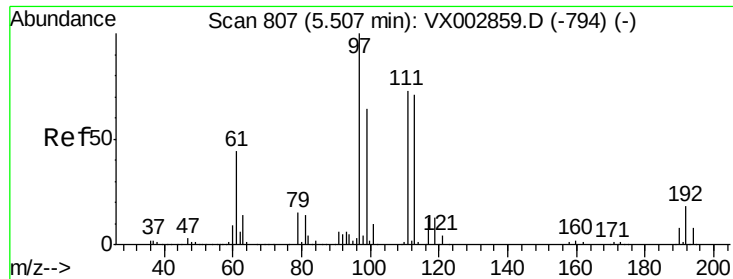
Tot Ion: 65 Resp: 163007
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002881.D
 Acq: 26 Jun 2018 01:14

Tgt Ion: 114 Resp: 334927
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.4
 88 14.7 0.0 30.0

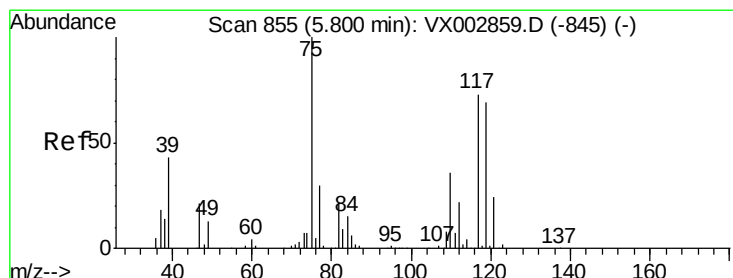
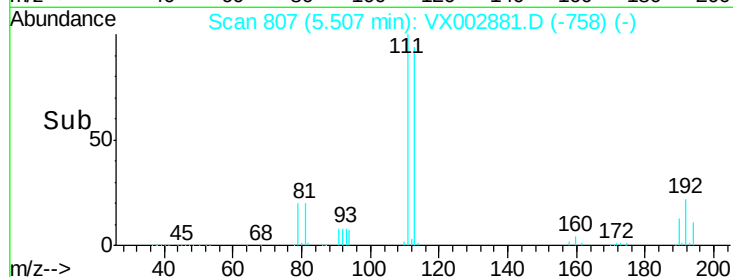
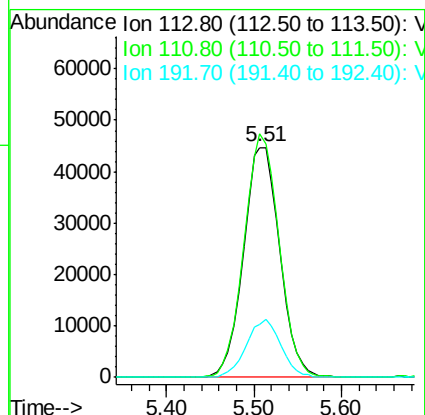
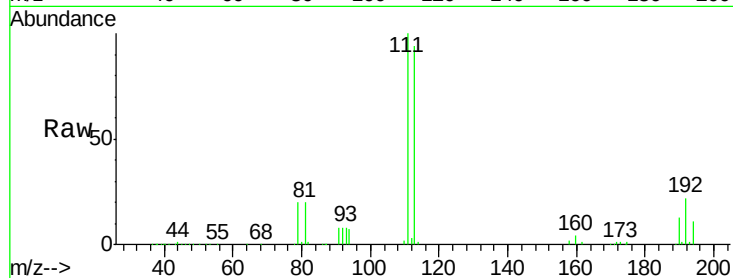




#35
 Dibromofluoromethane
 Concen: 48.65 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002881.D
 Acq: 26 Jun 2018 01:14

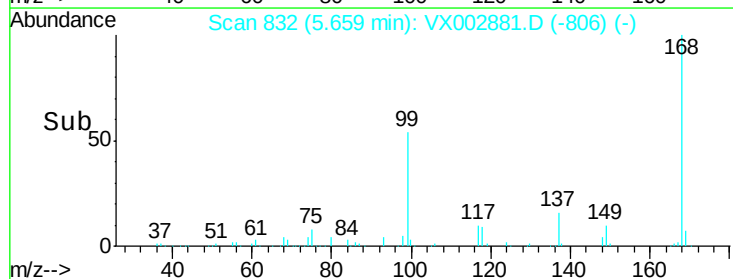
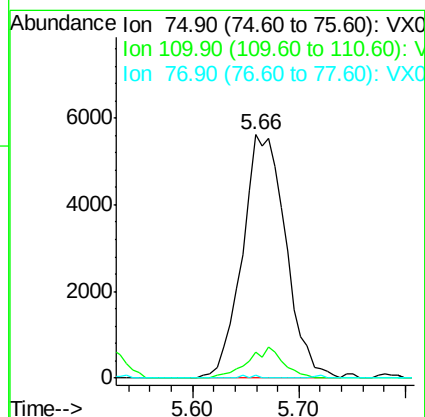
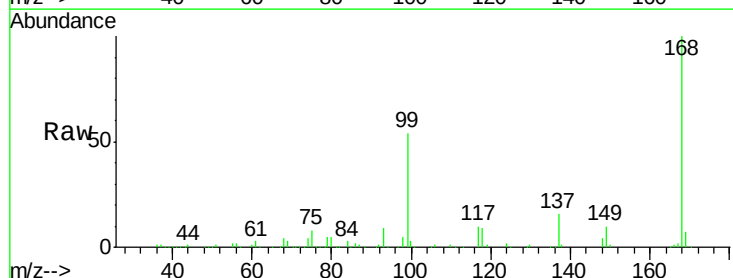
Instrument :
 MSVOA_X
 ClientSampled :
 W-14

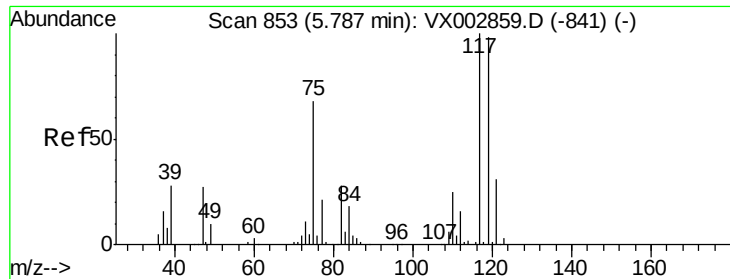
Tot Ion:113 Resp: 129037
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.4 122.0
 192 24.2 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.36 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX002881.D
 Acq: 26 Jun 2018 01:14

Tgt Ion: 75 Resp: 16016
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.1 54.4#
 77 0.1 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.39 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002881.D

Acq: 26 Jun 2018 01:14

Instrument :

MSVOA_X

ClientSampled :

W-14

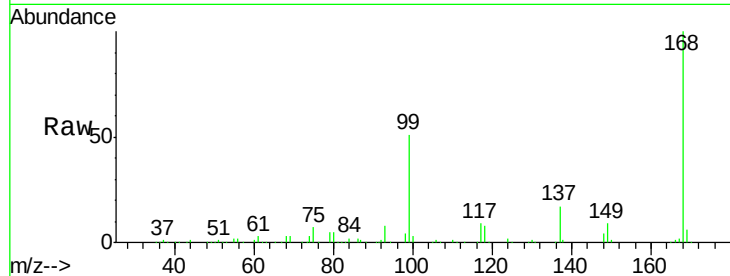
Tot Ion:117 Resp: 21723

Ion Ratio Lower Upper

117 100

119 4.9 77.4 116.0#

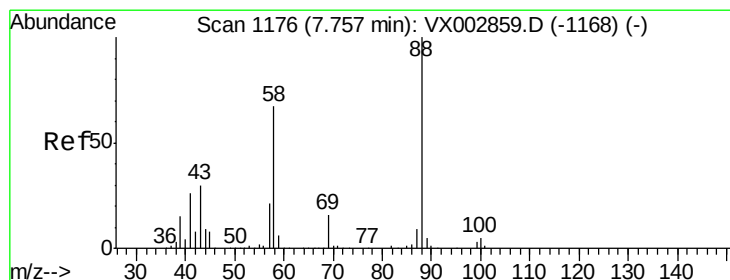
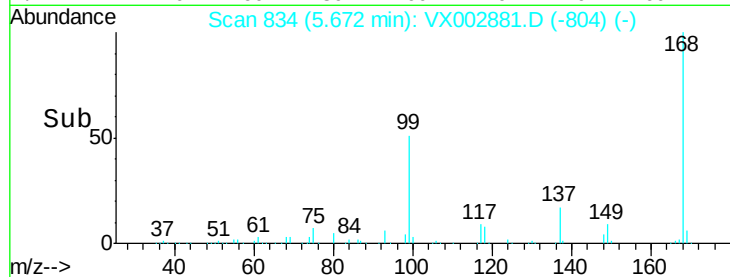
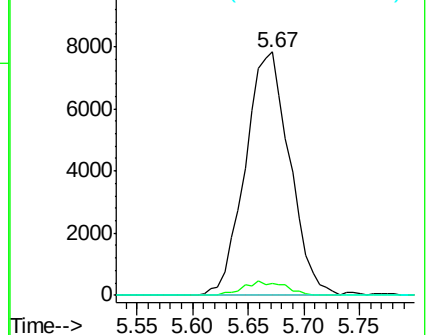
121 0.0 24.4 36.6#



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: 0.29 ug/l

RT: 7.88 min Scan# 1197

Delta R.T. 0.13 min

Lab File: VX002881.D

Acq: 26 Jun 2018 01:14

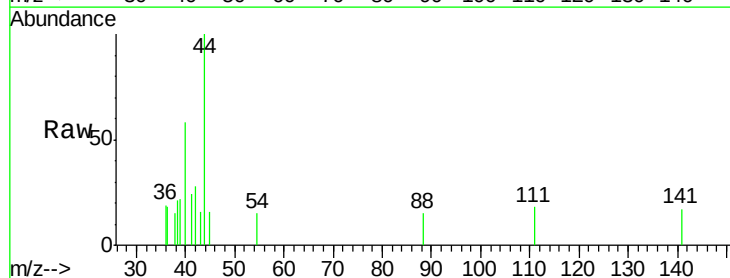
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 978.9 29.8 44.6#

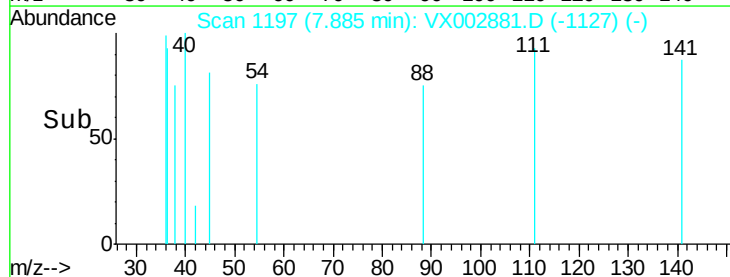
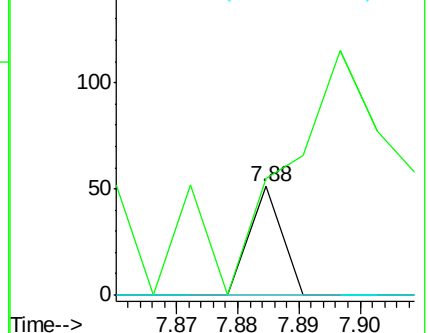
58 0.0 57.1 85.7#

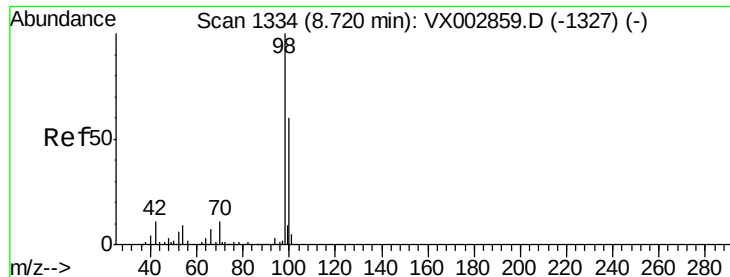


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.45 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002881.D

Acq: 26 Jun 2018 01:14

Instrument :

MSVOA_X

ClientSampleId :

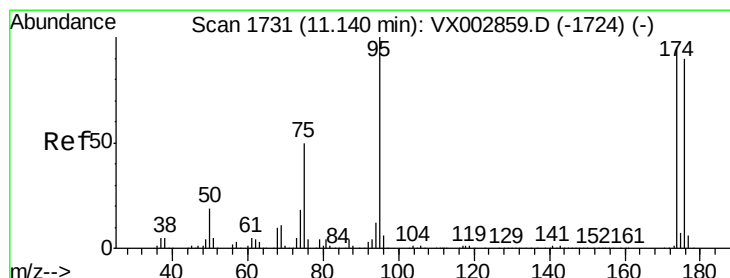
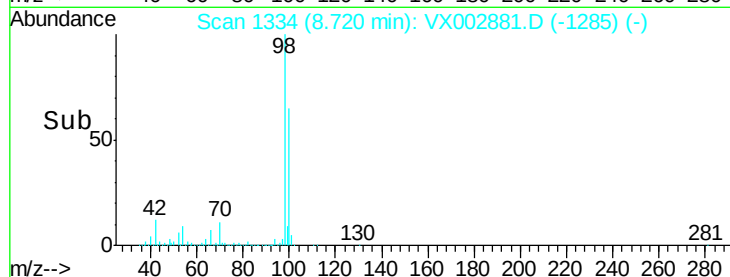
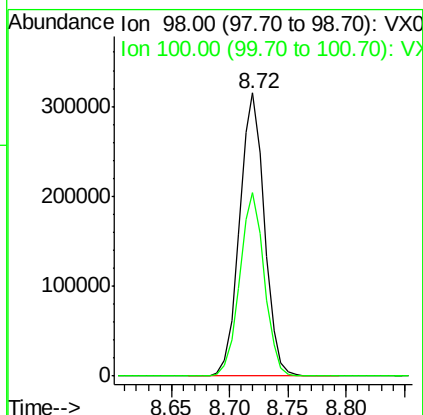
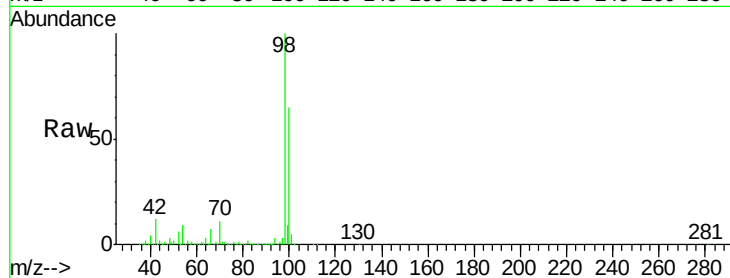
W-14

Tot Ion: 98 Resp: 469273

Ion Ratio Lower Upper

98 100

100 64.3 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 44.80 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002881.D

Acq: 26 Jun 2018 01:14

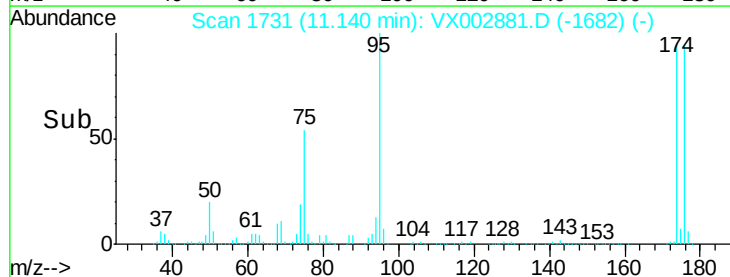
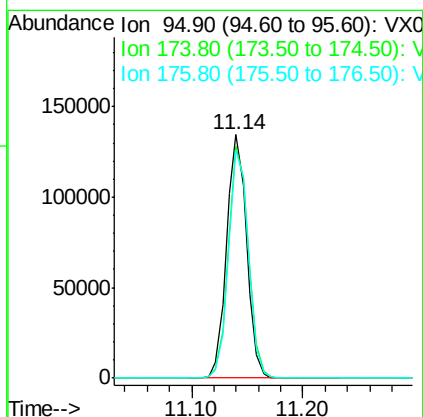
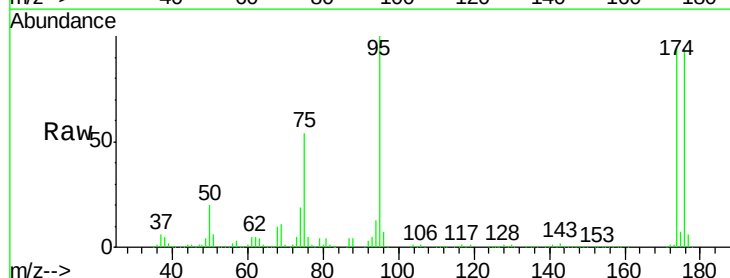
Tgt Ion: 95 Resp: 167328

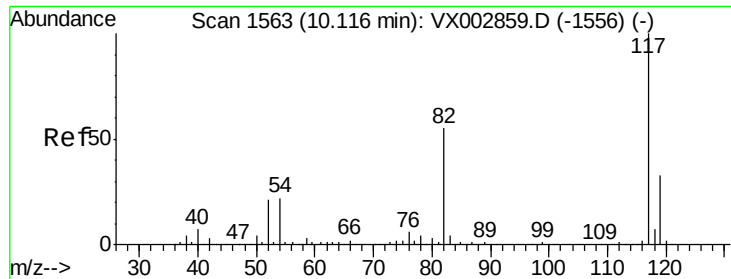
Ion Ratio Lower Upper

95 100

174 95.4 0.0 187.4

176 92.7 0.0 181.0

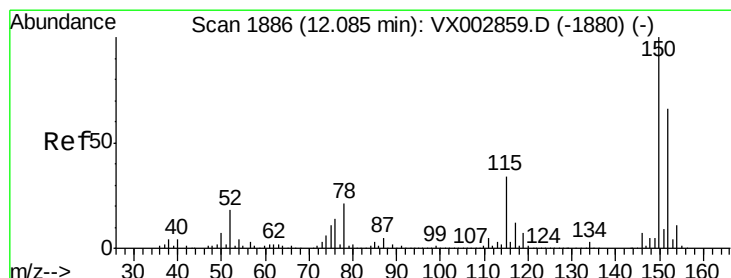
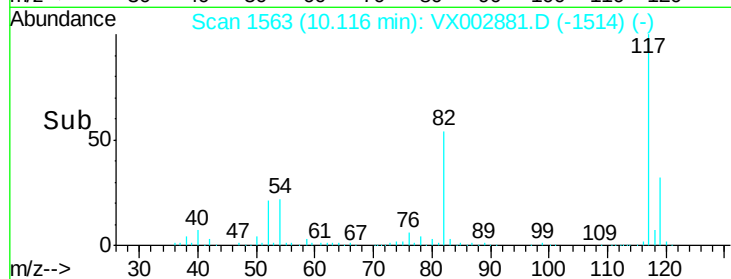
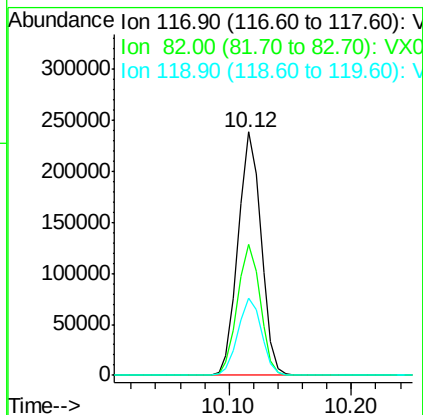
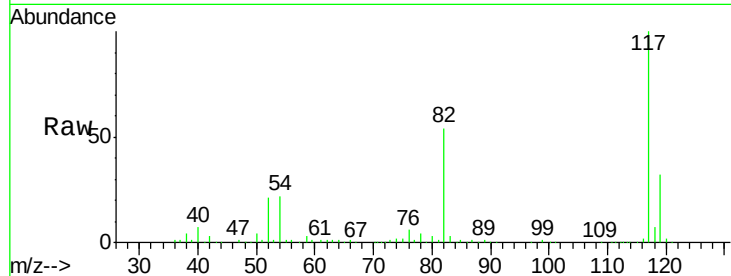




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002881.D
Acq: 26 Jun 2018 01:14

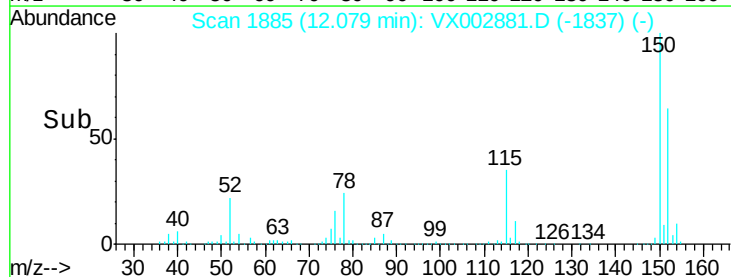
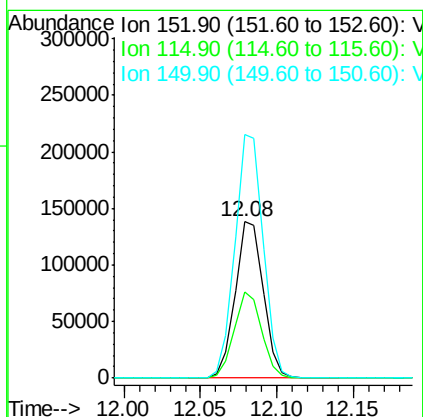
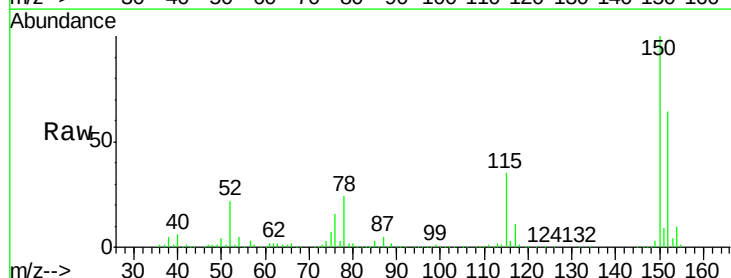
Instrument :
MSVOA_X
ClientSampled :
W-14

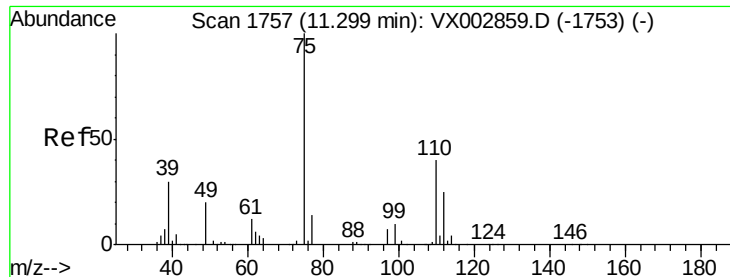
Tot Ion:117 Resp: 310858
Ion Ratio Lower Upper
117 100
82 53.6 45.0 67.4
119 31.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002881.D
Acq: 26 Jun 2018 01:14

Tgt Ion:152 Resp: 176178
Ion Ratio Lower Upper
152 100
115 53.8 40.1 120.2
150 156.8 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 27.37 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002881.D

Acq: 26 Jun 2018 01:14

Instrument :

MSVOA_X

ClientSampled :

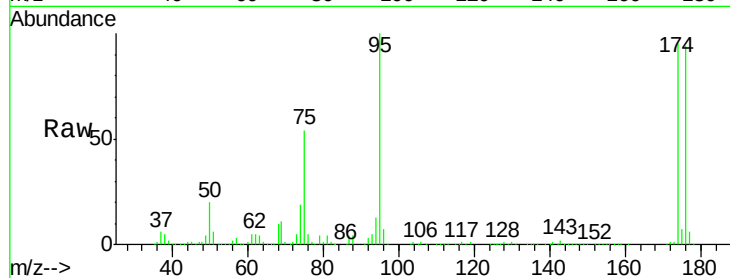
W-14

Tot Ion: 75 Resp: 87349

Ion Ratio Lower Upper

75 100

77 1.3 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

80000

60000

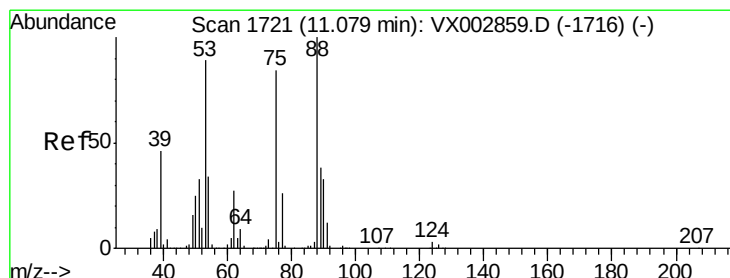
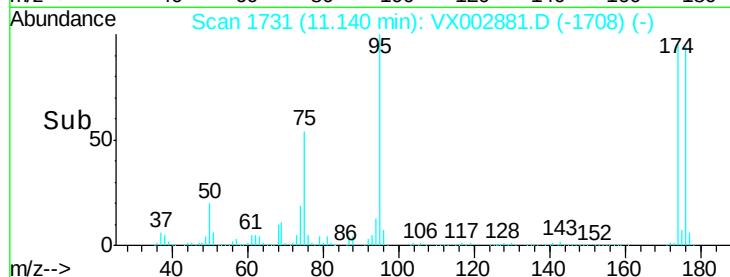
40000

20000

0

Time-->

11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 77.44 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002881.D

Acq: 26 Jun 2018 01:14

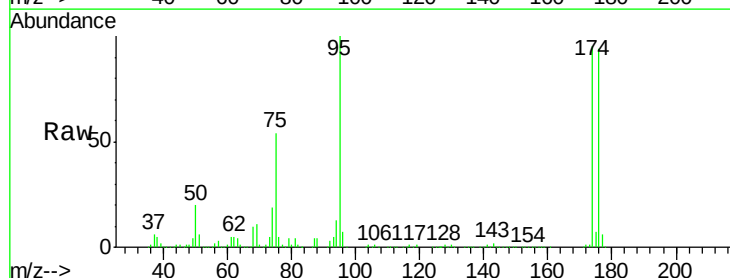
Tgt Ion: 75 Resp: 87349

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#



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

100000

80000

60000

40000

20000

0

Time-->

11.10 11.15 11.20

