

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002624.D
 Acq On : 16 Jun 2018 03:41
 Operator : JC/MD
 Sample : J3447-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 W-32

Quant Time: Jun 16 05:28:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	218622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	315876	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	289123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160275	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	149017	44.85	ug/l	0.00
Spiked Amount			Recovery	=	89.70%	
35) Dibromofluoromethane	5.51	113	115285	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	
50) Toluene-d8	8.72	98	449694	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	
62) 4-Bromofluorobenzene	11.14	95	155123	42.77	ug/l	0.00
Spiked Amount			Recovery	=	85.54%	

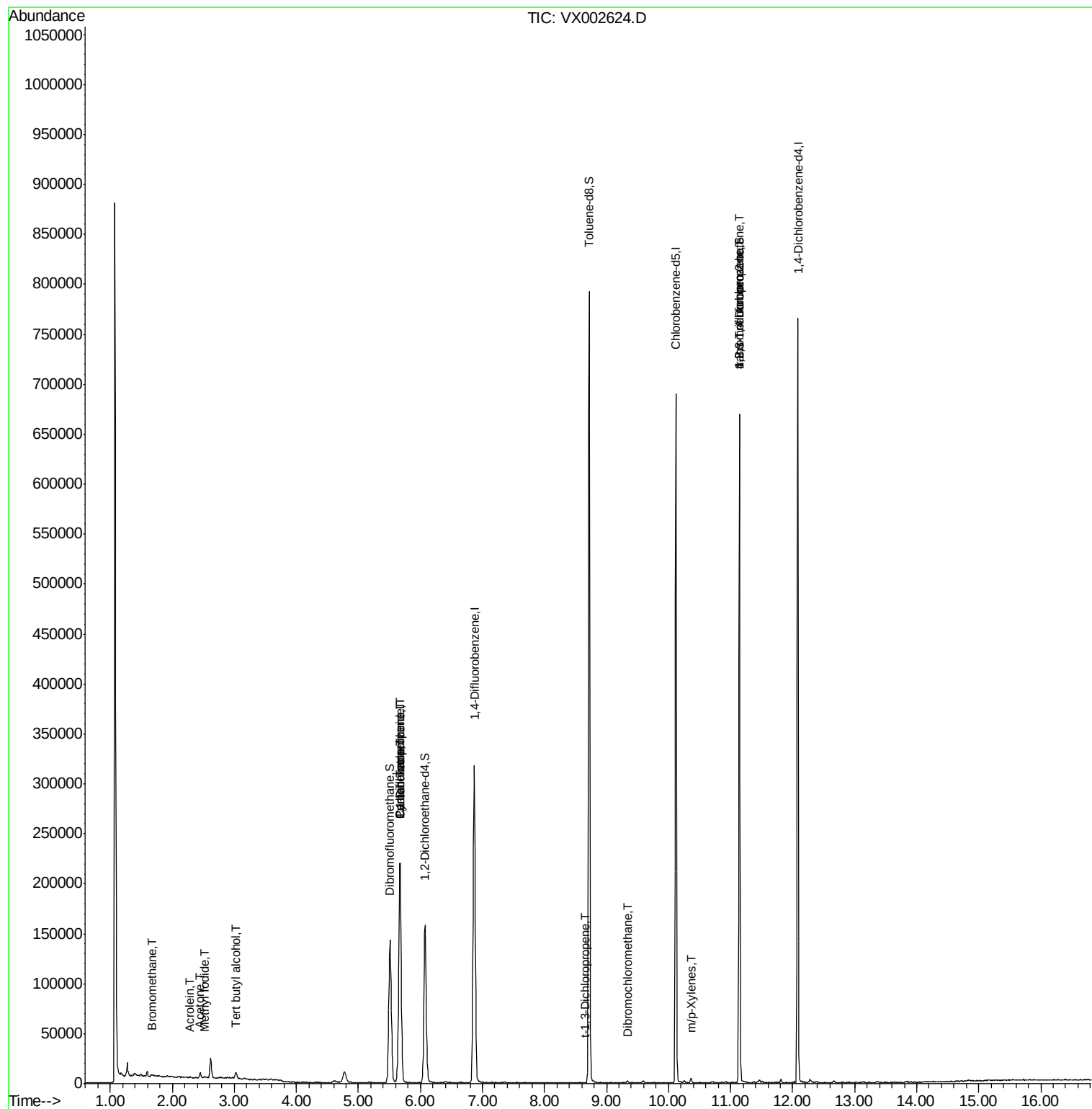
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	857	0.50	ug/l	88
10) Methyl Iodide	2.52	142	1082	5.46	ug/l #	86
11) Tert butyl alcohol	3.03	59	4184	6.09	ug/l #	87
13) Acrolein	2.29	56	211	7.50	ug/l #	14
16) Acetone	2.45	43	5625	3.84	ug/l	97
31) Cyclohexane	5.67	56	4891	1.25	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15425	4.60	ug/l #	51
38) Carbon Tetrachloride	5.67	117	20353	6.09	ug/l #	17
53) t-1,3-Dichloropropene	8.65	75	20	2.40	ug/l #	43
60) Dibromochloromethane	9.34	129	223	3.83	ug/l #	11
68) m/p-Xylenes	10.36	106	1085	0.23	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	83806	27.71	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	83806	85.43	ug/l #	7

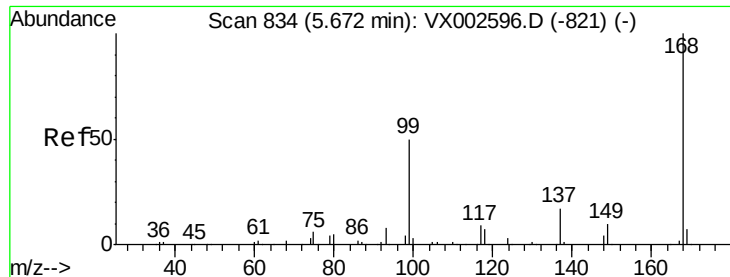
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002624.D

Acq: 16 Jun 2018 03:41

Instrument :

MSVOA_X

ClientSampled :

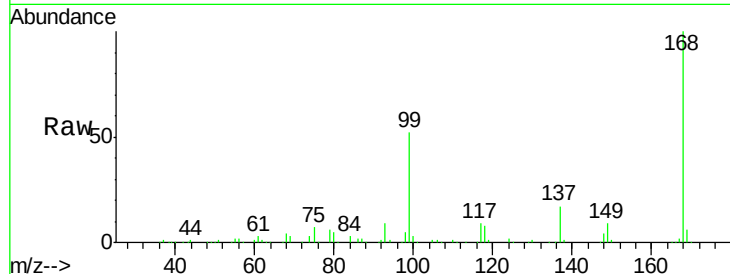
W-32

Tot Ion:168 Resp: 218622

Ion Ratio Lower Upper

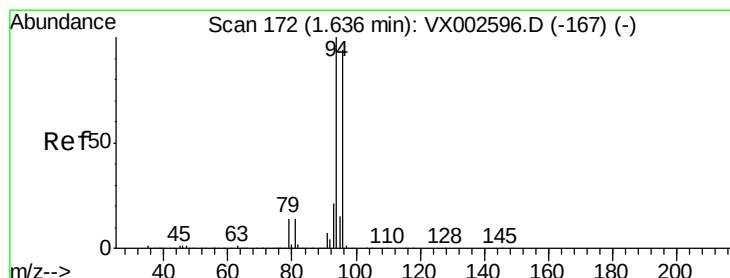
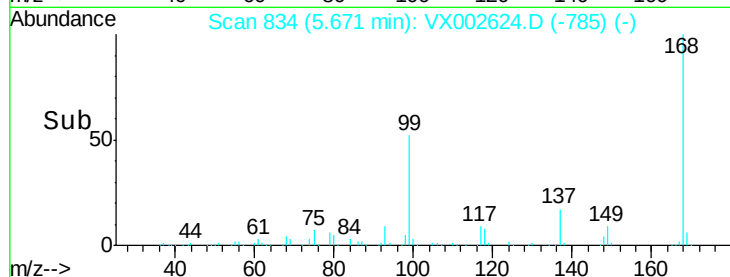
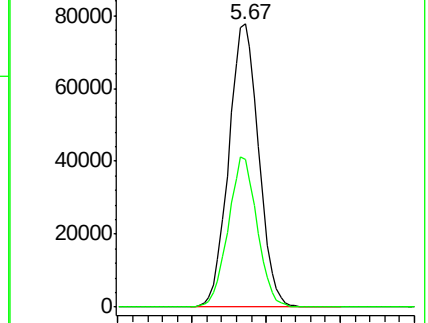
168 100

99 52.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.50 ug/l

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX002624.D

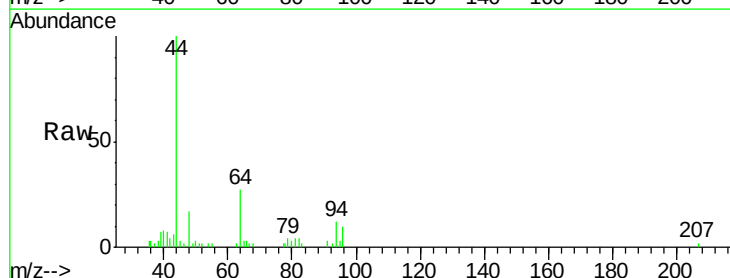
Acq: 16 Jun 2018 03:41

Tgt Ion: 94 Resp: 857

Ion Ratio Lower Upper

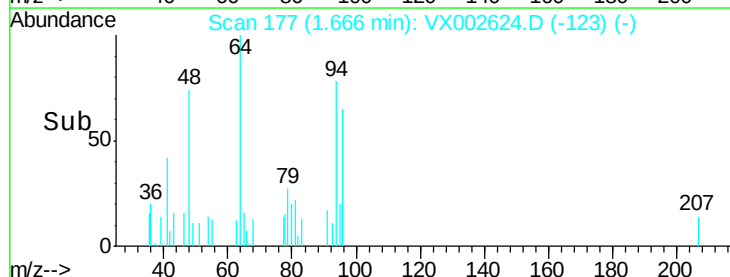
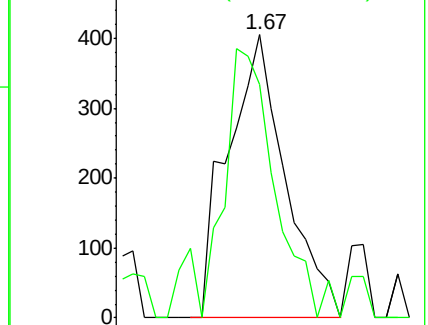
94 100

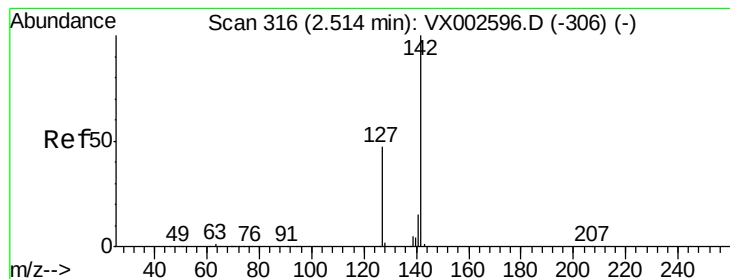
96 82.5 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 5.46 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002624.D

Acq: 16 Jun 2018 03:41

Instrument :

MSVOA_X

ClientSampled :

W-32

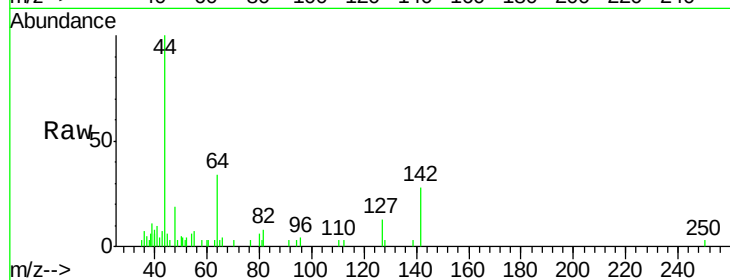
Tot Ion:142 Resp: 1082

Ion Ratio Lower Upper

142 100

127 55.7 36.6 55.0#

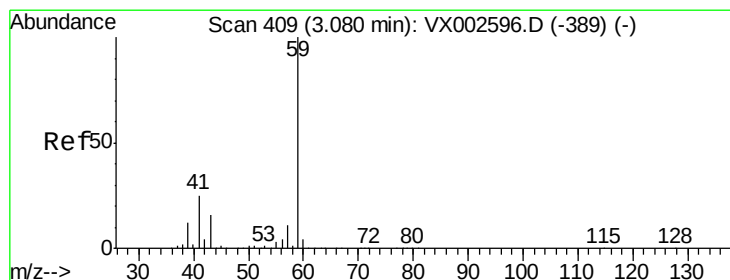
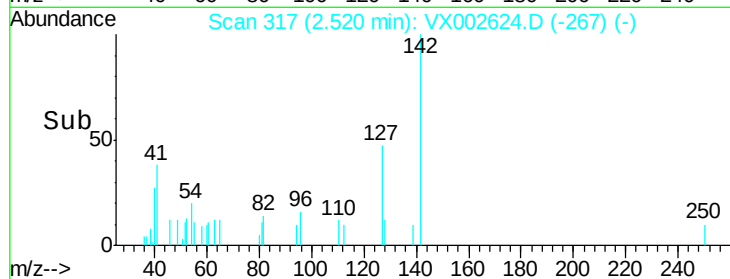
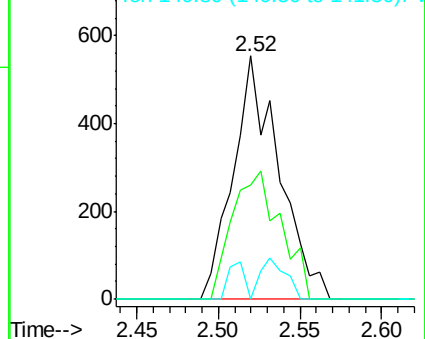
141 9.4 11.3 16.9#



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: 6.09 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.05 min

Lab File: VX002624.D

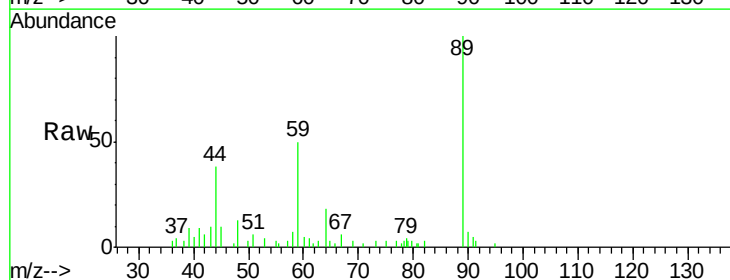
Acq: 16 Jun 2018 03:41

Tgt Ion: 59 Resp: 4184

Ion Ratio Lower Upper

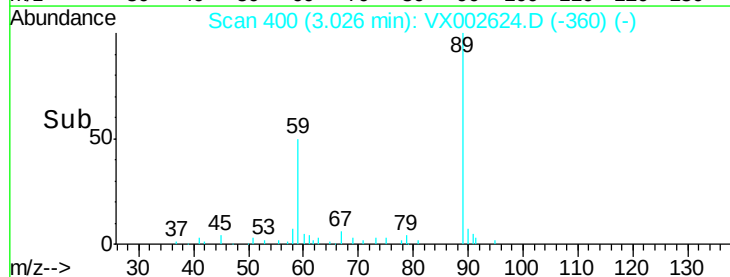
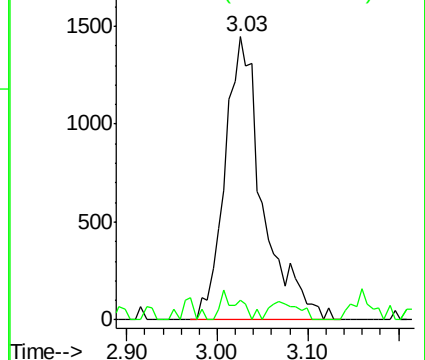
59 100

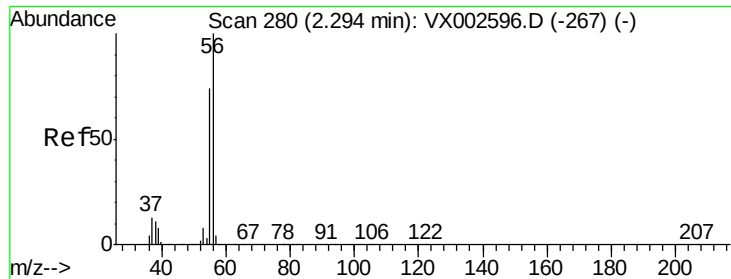
57 5.2 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 7.50 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX002624.D

Acq: 16 Jun 2018 03:41

Instrument :

MSVOA_X

ClientSampled :

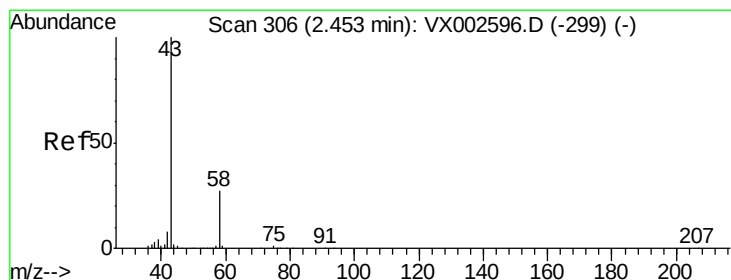
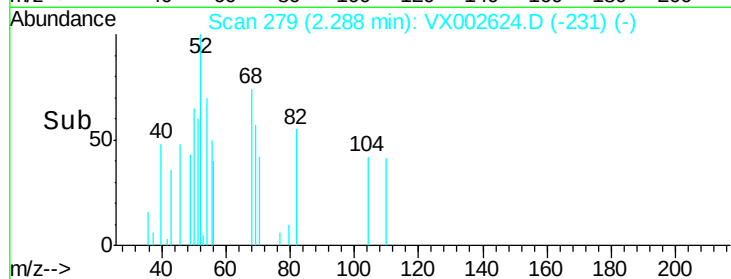
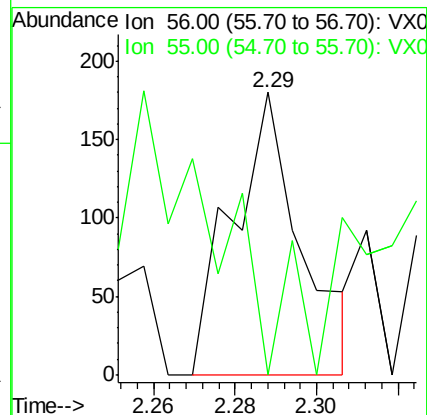
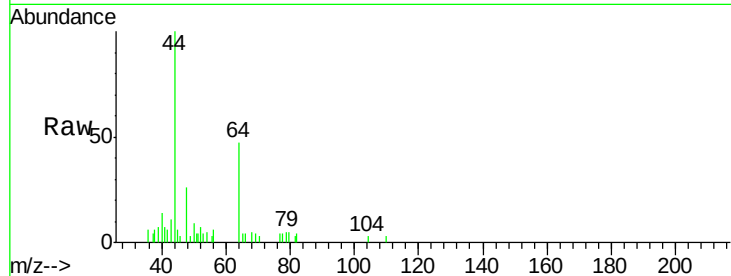
W-32

Tot Ion: 56 Resp: 211

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#16

Acetone

Concen: 3.84 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002624.D

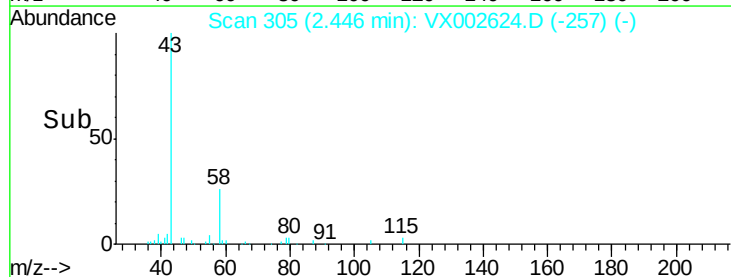
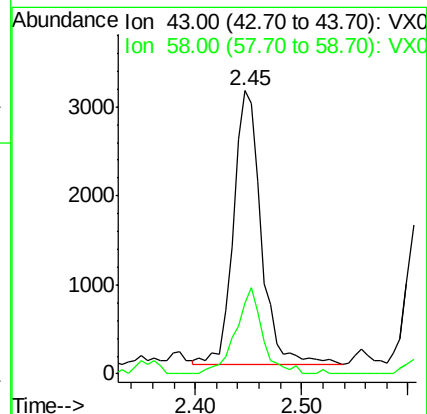
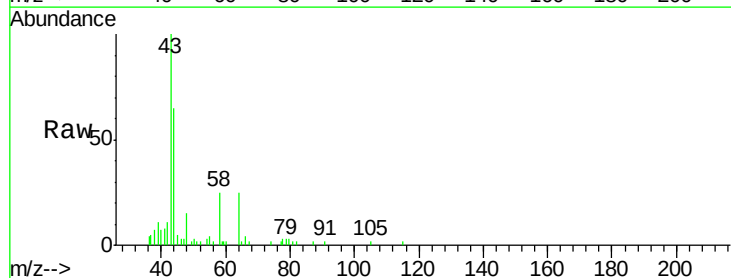
Acq: 16 Jun 2018 03:41

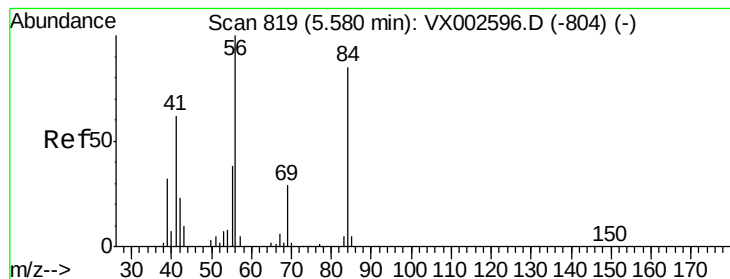
Tgt Ion: 43 Resp: 5625

Ion Ratio Lower Upper

43 100

58 26.0 22.1 33.1





#31

Cyclohexane

Concen: 1.25 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX002624.D

Acq: 16 Jun 2018 03:41

Instrument :

MSVOA_X

ClientSampleId :

W-32

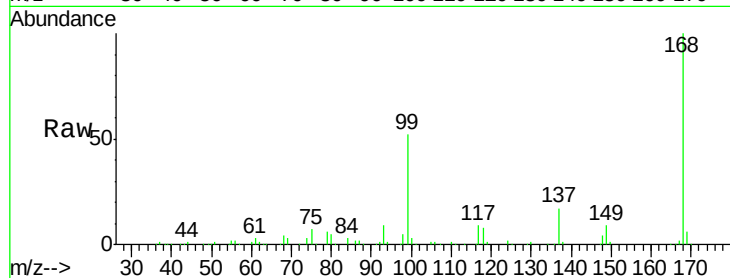
Tot Ion: 56 Resp: 4891

Ion Ratio Lower Upper

56 100

69 149.0 23.7 35.5#

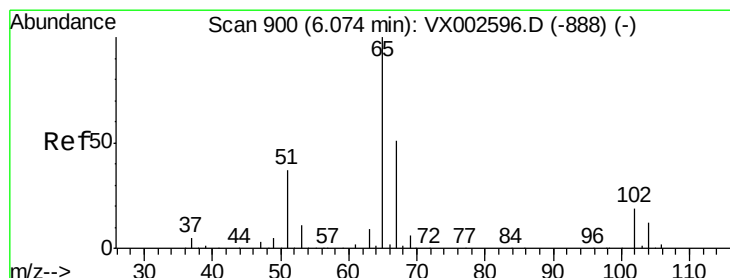
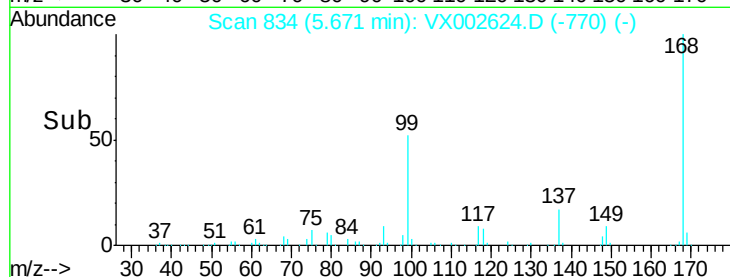
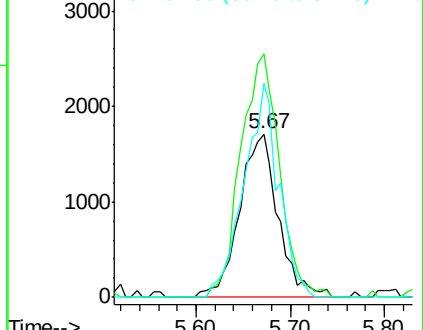
84 131.1 64.1 96.1#



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: 44.85 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002624.D

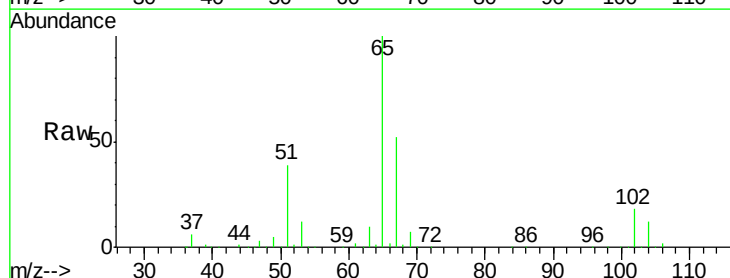
Acq: 16 Jun 2018 03:41

Tgt Ion: 65 Resp: 149017

Ion Ratio Lower Upper

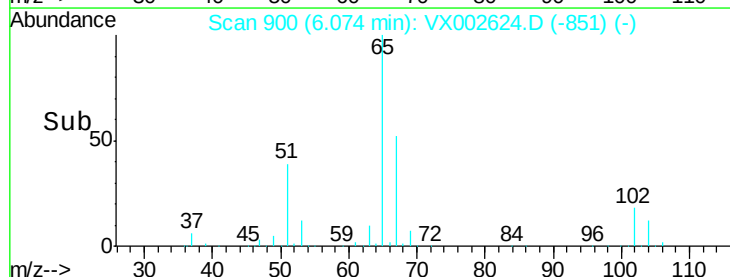
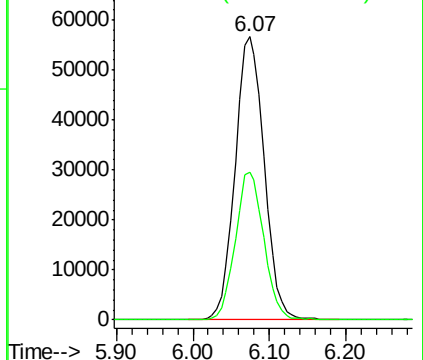
65 100

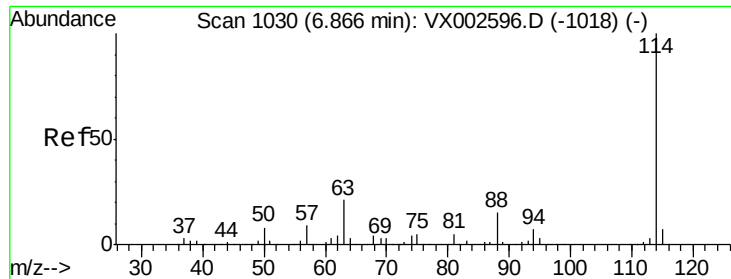
67 51.3 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002624.D

Acq: 16 Jun 2018 03:41

Instrument :

MSVOA_X

ClientSampleId :

W-32

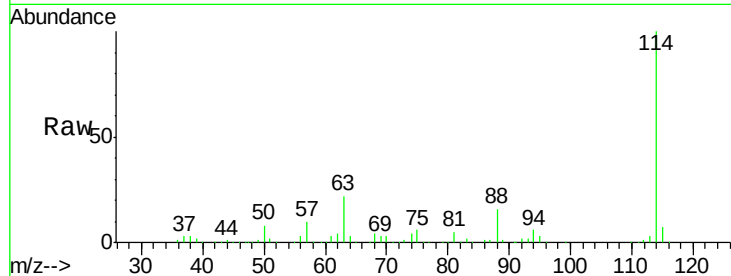
Tot Ion:114 Resp: 315876

Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.4

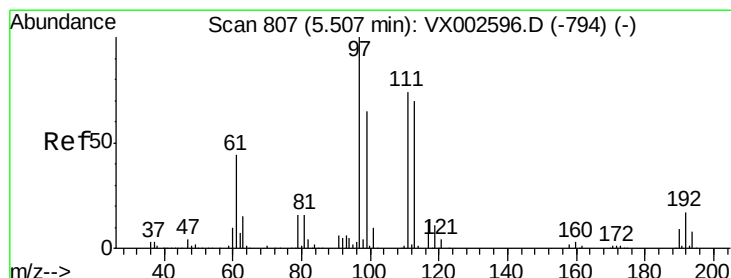
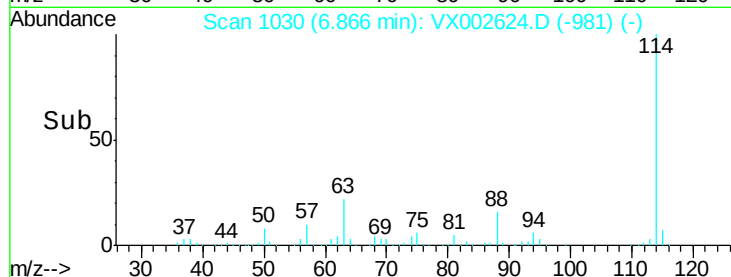
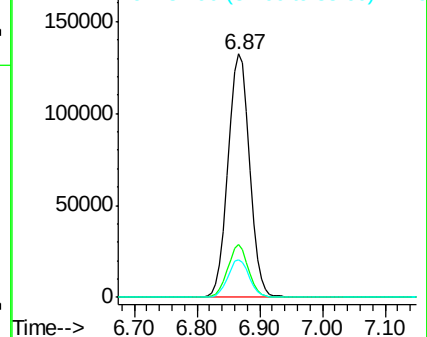
88 15.5 0.0 30.0



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: 45.73 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002624.D

Acq: 16 Jun 2018 03:41

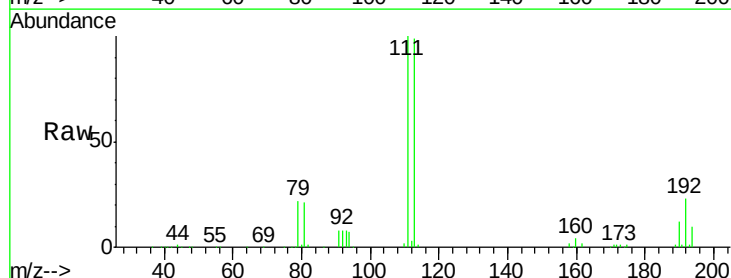
Tgt Ion:113 Resp: 115285

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

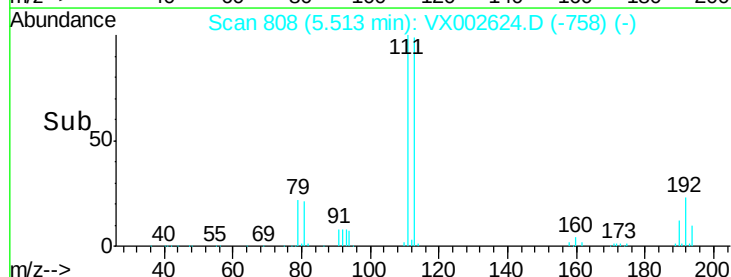
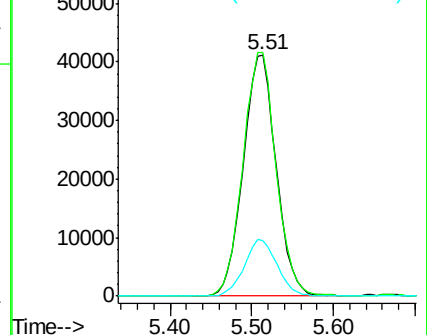
192 23.3 19.1 28.7

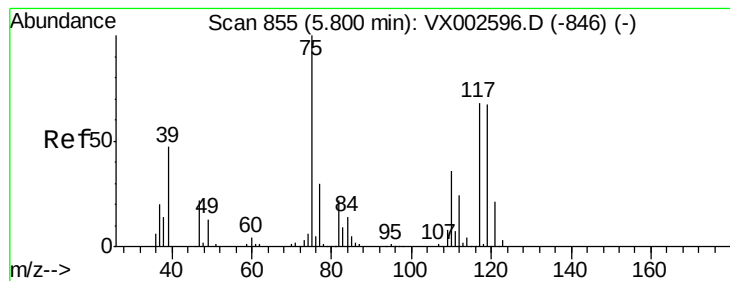


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.60 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX002624.D

Acq: 16 Jun 2018 03:41

Instrument :

MSVOA_X

ClientSampled :

W-32

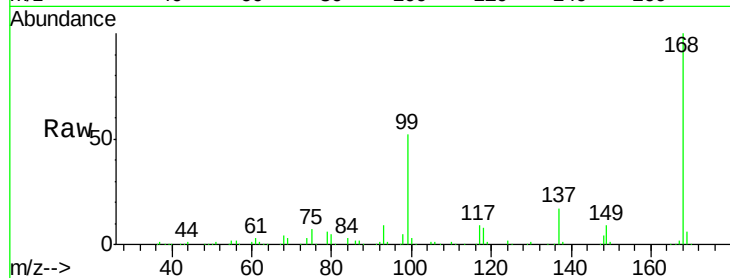
Tot Ion: 75 Resp: 15425

Ion Ratio Lower Upper

75 100

110 10.9 18.1 54.4#

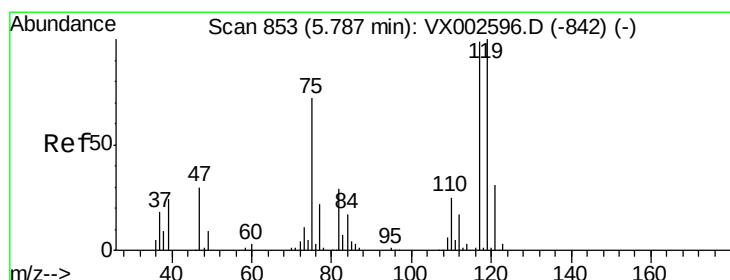
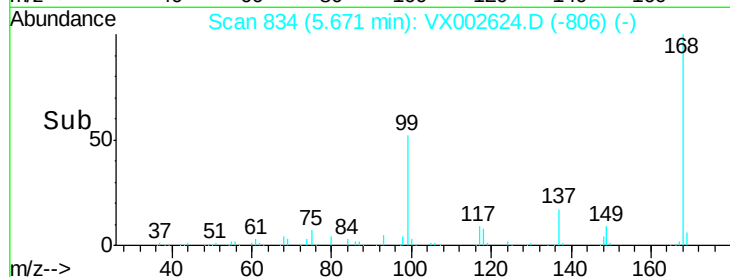
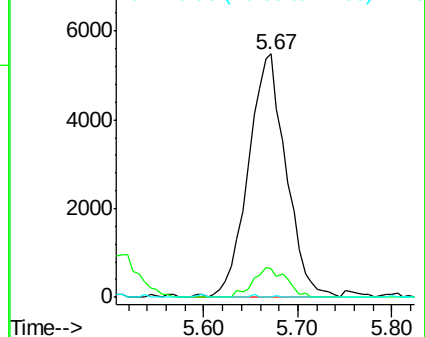
77 0.1 24.3 36.5#



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: 6.09 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002624.D

Acq: 16 Jun 2018 03:41

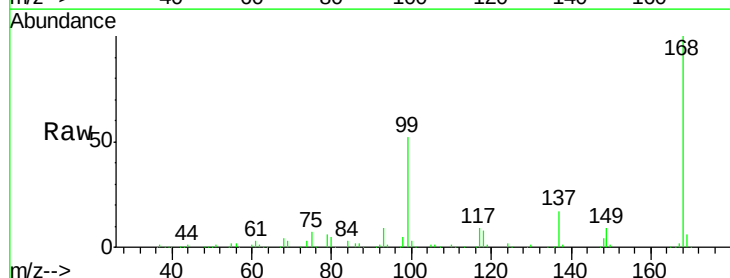
Tgt Ion: 117 Resp: 20353

Ion Ratio Lower Upper

117 100

119 6.4 77.4 116.0#

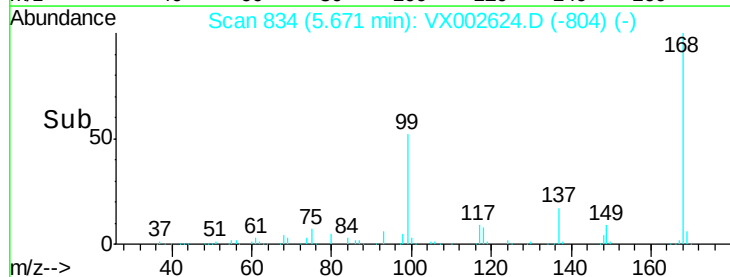
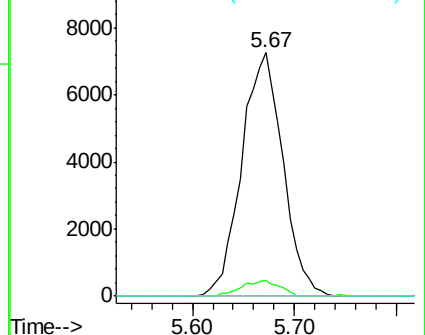
121 0.0 24.4 36.6#

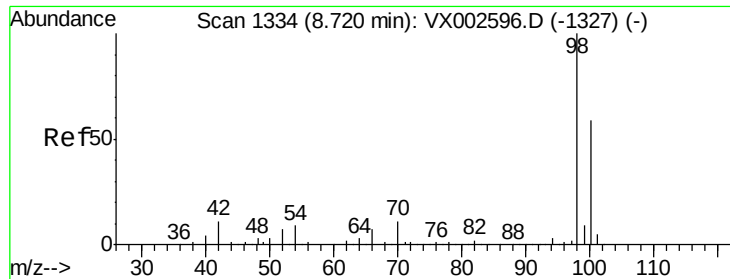


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 46.98 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002624.D

Acq: 16 Jun 2018 03:41

Instrument :

MSVOA_X

ClientSampled :

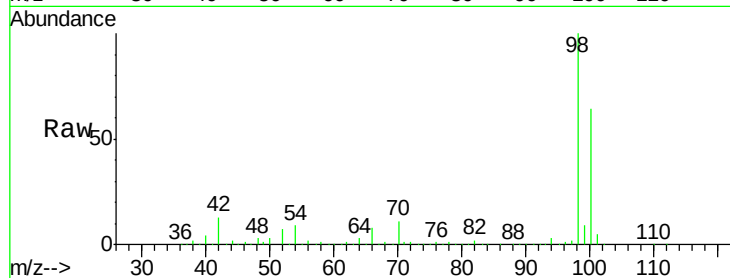
W-32

Tot Ion: 98 Resp: 449694

Ion Ratio Lower Upper

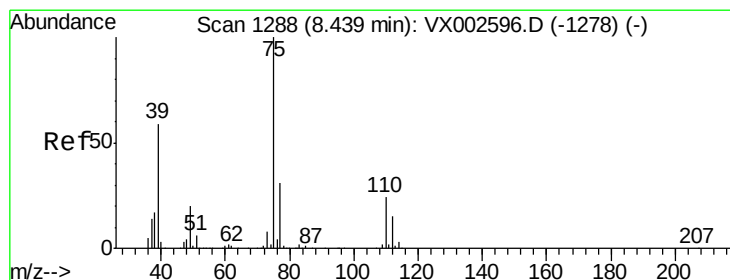
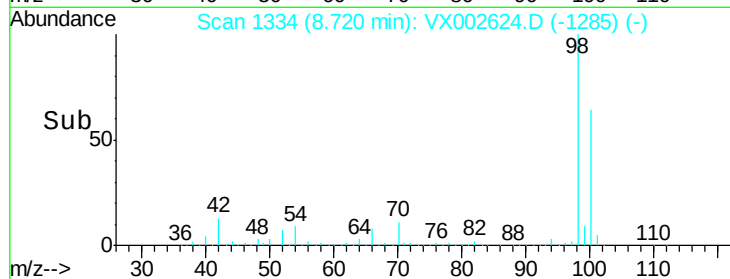
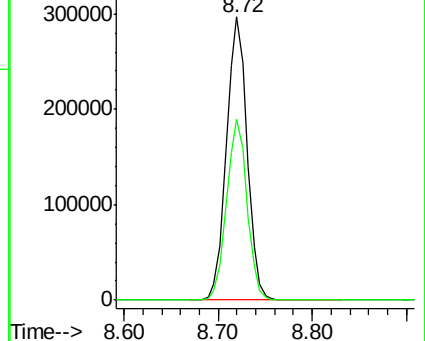
98 100

100 63.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#53

t-1,3-Dichloropropene

Concen: 2.40 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.21 min

Lab File: VX002624.D

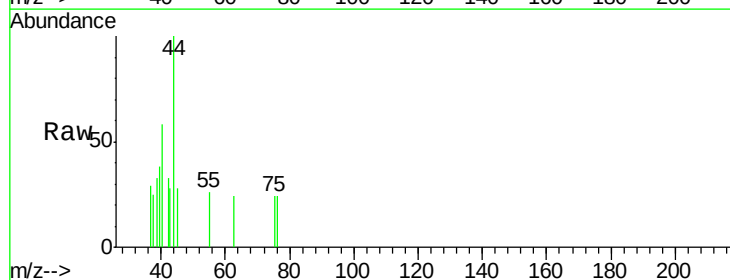
Acq: 16 Jun 2018 03:41

Tgt Ion: 75 Resp: 20

Ion Ratio Lower Upper

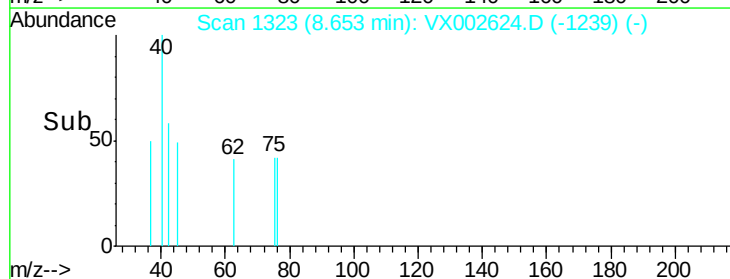
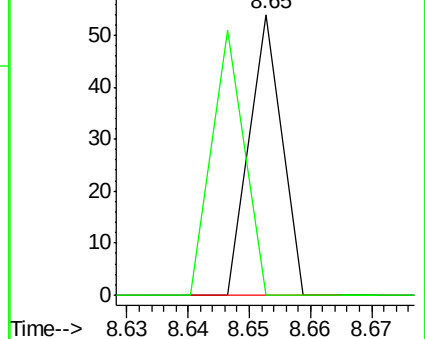
75 100

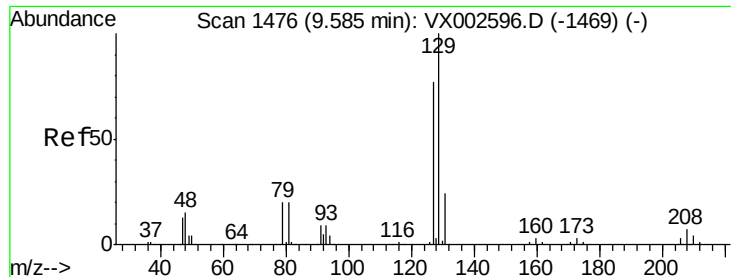
77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

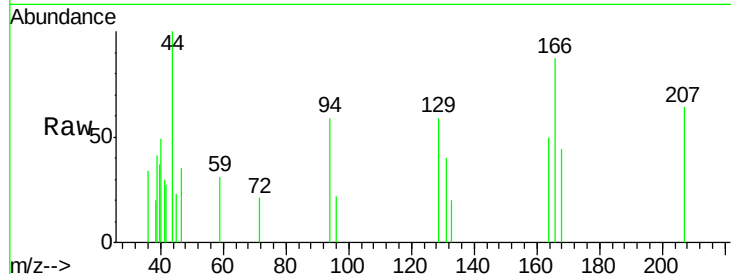




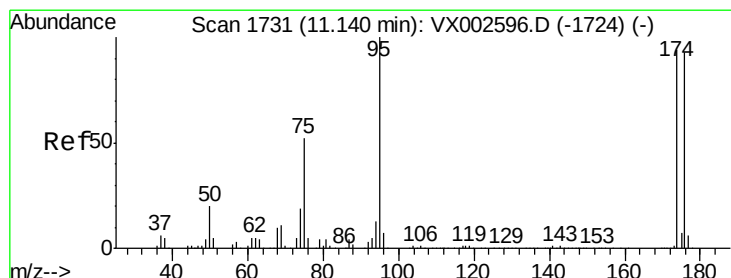
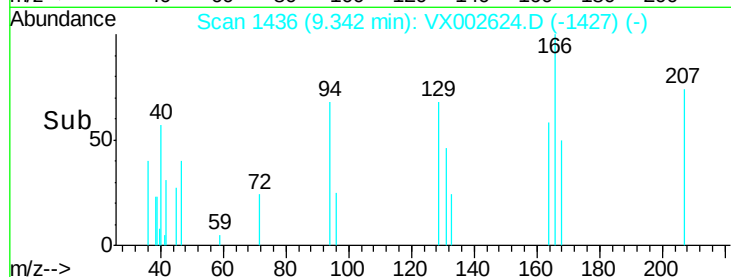
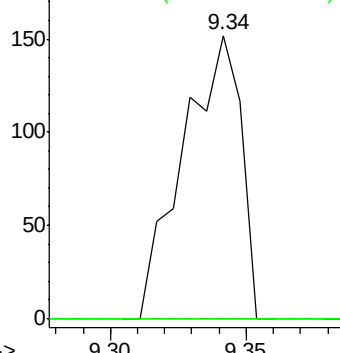
#60
Dibromochloromethane
Concen: 3.83 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.24 min
Lab File: VX002624.D
Acq: 16 Jun 2018 03:41

Instrument :
MSVOA_X
ClientSampled :
W-32

Tot Ion:129 Resp: 223
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

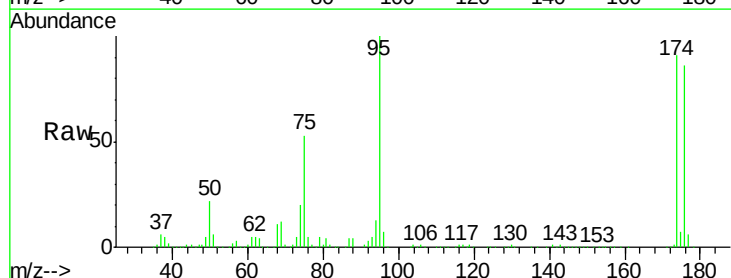


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

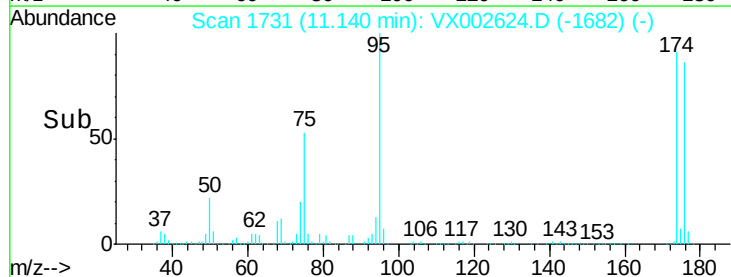
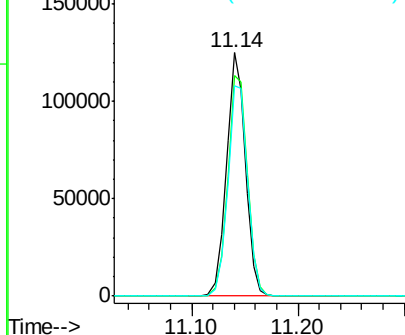


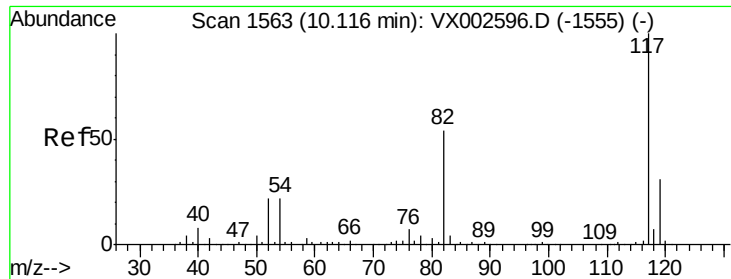
#62
4-Bromofluorobenzene
Concen: 42.77 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002624.D
Acq: 16 Jun 2018 03:41

Tgt Ion: 95 Resp: 155123
Ion Ratio Lower Upper
95 100
174 94.7 0.0 187.4
176 90.9 0.0 181.0



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

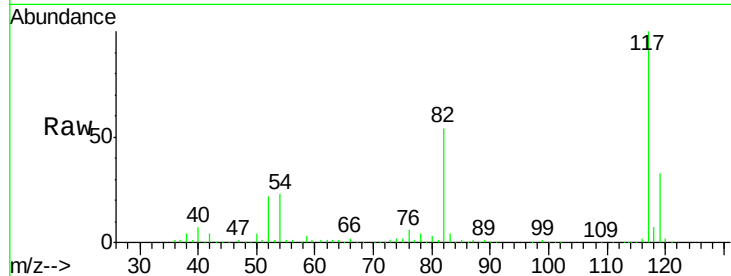




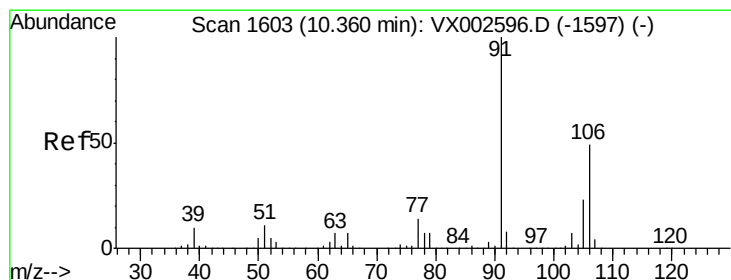
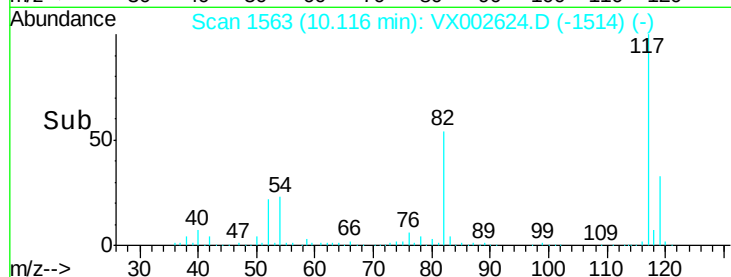
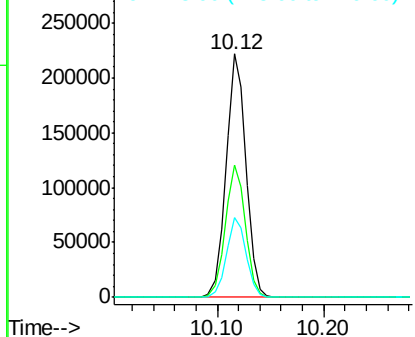
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002624.D
Acq: 16 Jun 2018 03:41

Instrument :
MSVOA_X
ClientSampled :
W-32

Tot Ion:117 Resp: 289123
Ion Ratio Lower Upper
117 100
82 54.1 45.0 67.4
119 32.8 25.8 38.6

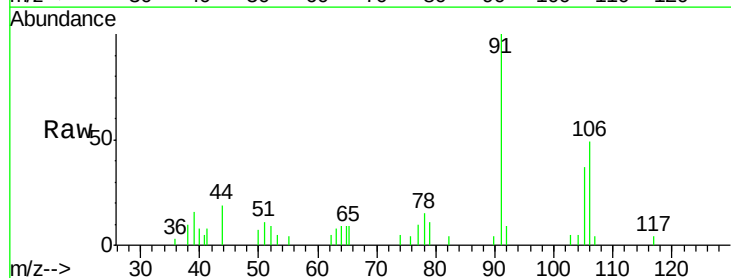


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

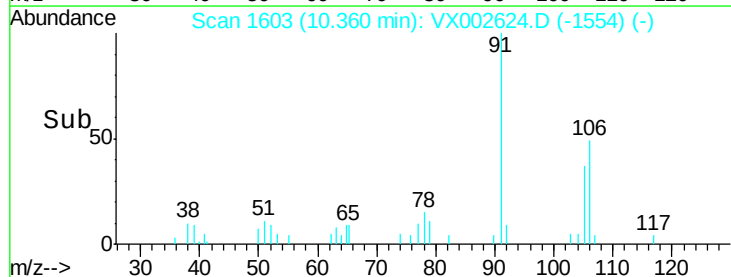
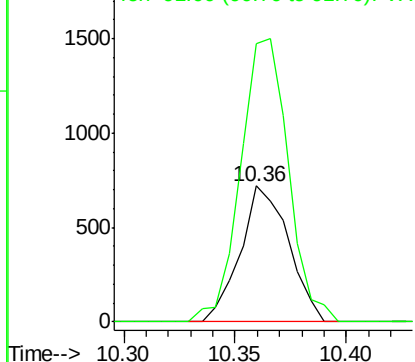


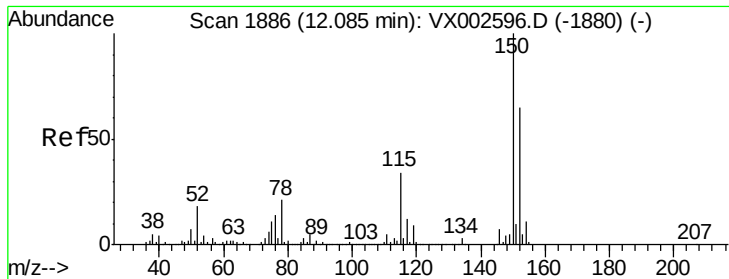
#68
m/p-Xylenes
Concen: 0.23 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX002624.D
Acq: 16 Jun 2018 03:41

Tgt Ion:106 Resp: 1085
Ion Ratio Lower Upper
106 100
91 207.5 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002624.D

Acq: 16 Jun 2018 03:41

Instrument :

MSVOA_X

ClientSampled :

W-32

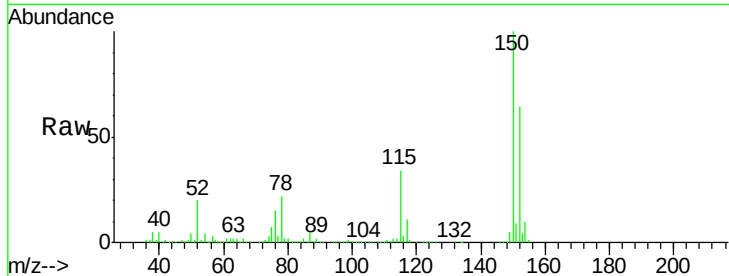
Tot Ion:152 Resp: 160275

Ion Ratio Lower Upper

152 100

115 54.4 40.1 120.2

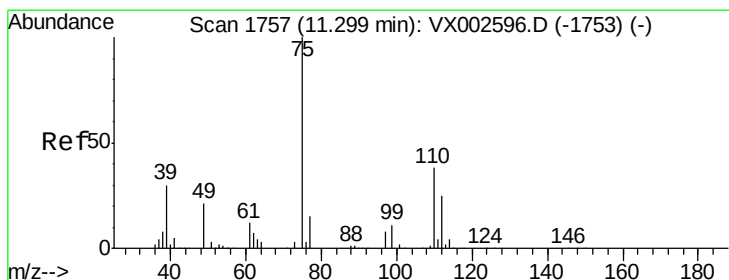
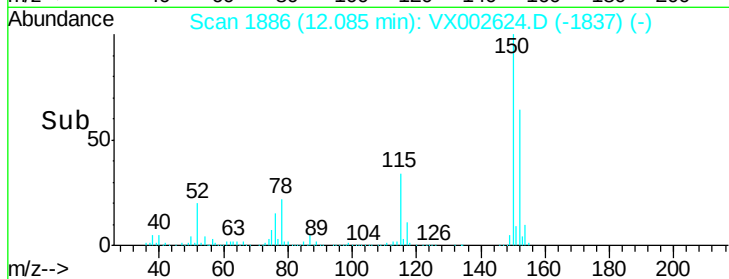
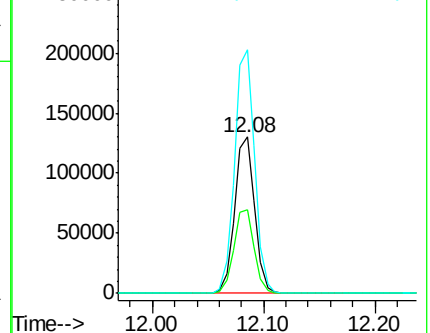
150 156.4 0.0 347.2



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: 27.71 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002624.D

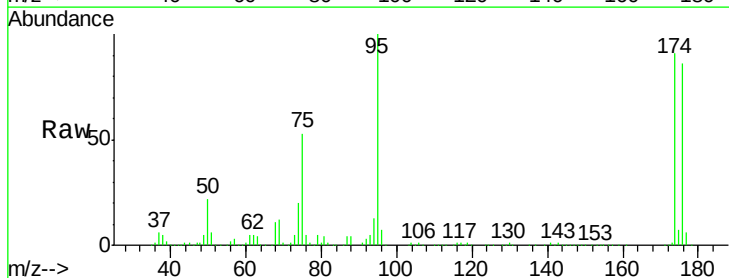
Acq: 16 Jun 2018 03:41

Tgt Ion: 75 Resp: 83806

Ion Ratio Lower Upper

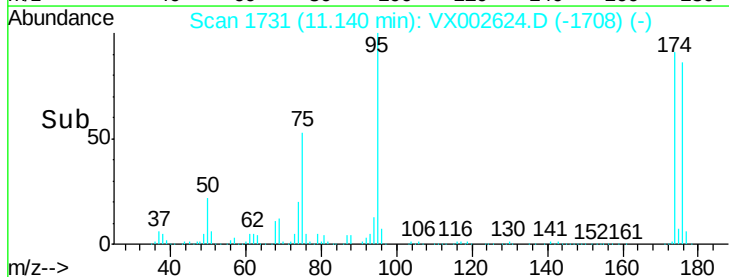
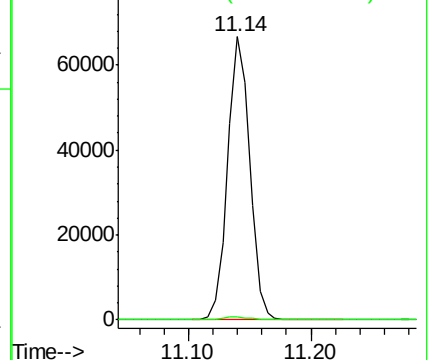
75 100

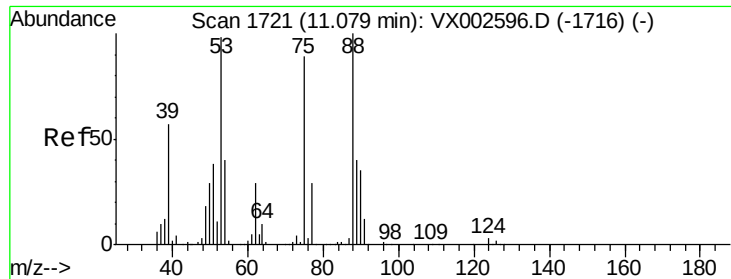
77 1.2 22.8 68.3#



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: 85.43 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002624.D

Acq: 16 Jun 2018 03:41

Instrument :

MSVOA_X

ClientSampleId :

W-32

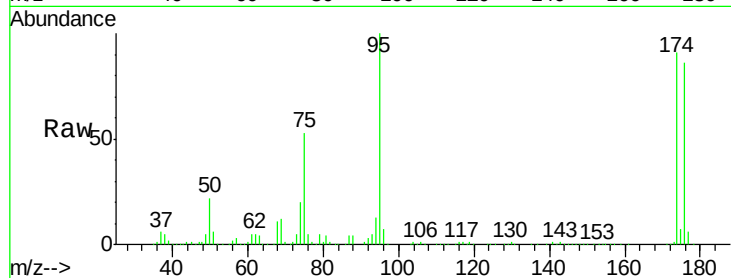
Tot Ion: 75 Resp: 83806

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.1 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

