

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062118\
 Data File : VX002784.D
 Acq On : 21 Jun 2018 13:24
 Operator : JC/MD
 Sample : VX0621MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0621MBL01

Quant Time: Jun 22 01:08:34 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	209623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	291394	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	269666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	145581	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	141702	44.48	ug/l	0.00
Spiked Amount			Recovery	=	88.96%	
35) Dibromofluoromethane	5.51	113	112868	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
50) Toluene-d8	8.72	98	415852	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
62) 4-Bromofluorobenzene	11.14	95	139003	41.54	ug/l	0.00
Spiked Amount			Recovery	=	83.08%	

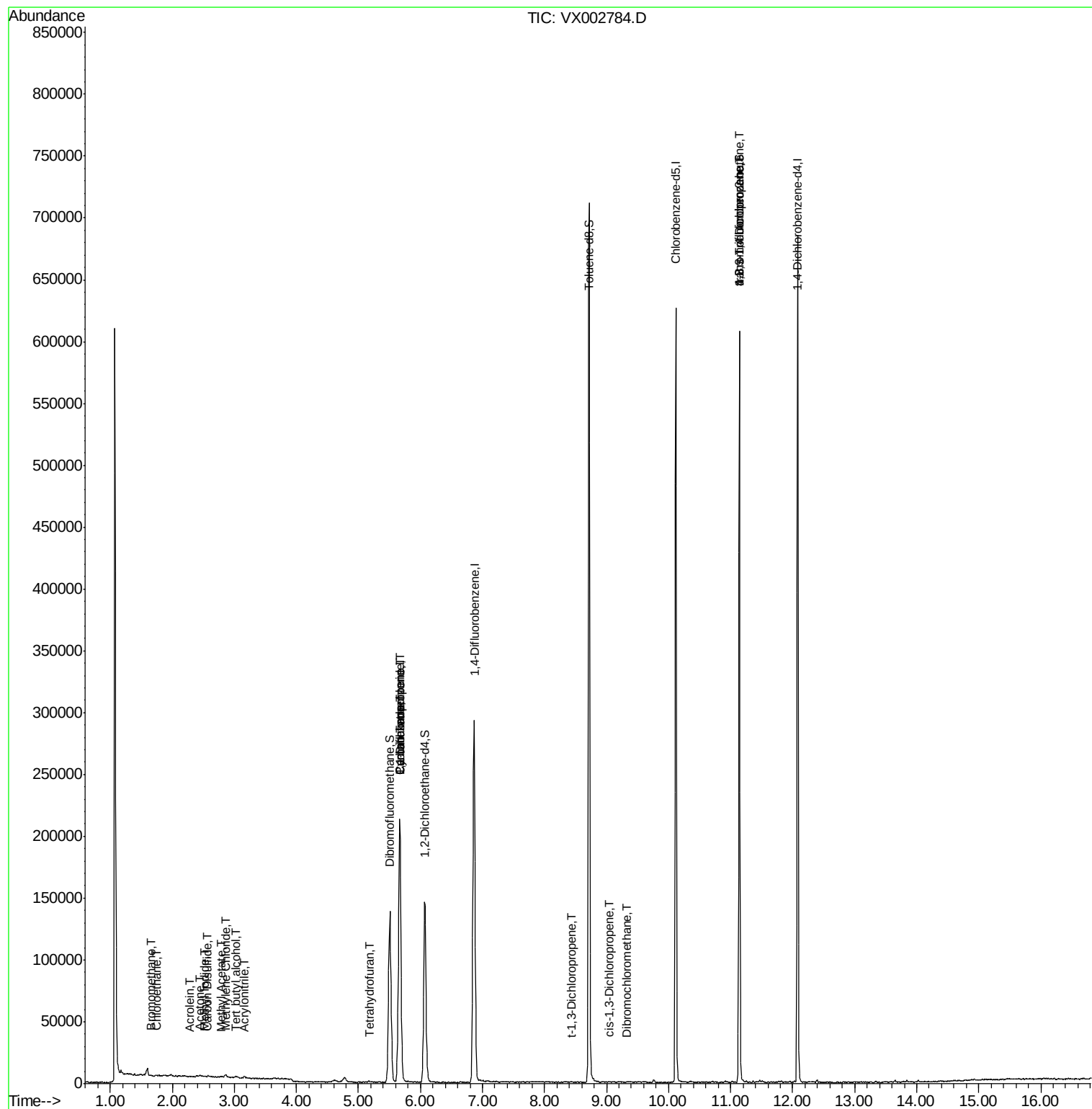
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	570	0.34	ug/l #	75
6) Chloroethane	1.75	64	1488	0.82	ug/l #	85
10) Methyl Iodide	2.53	142	621	5.35	ug/l #	83
11) Tert butyl alcohol	3.01	59	1063	1.61	ug/l #	83
13) Acrolein	2.29	56	424	8.20	ug/l #	27
15) Acrylonitrile	3.15	53	387	0.27	ug/l #	41
16) Acetone	2.45	43	1710	1.22	ug/l	96
17) Carbon Disulfide	2.57	76	1531	0.28	ug/l #	86
18) Methyl Acetate	2.78	43	1008	0.27	ug/l #	88
20) Methylene Chloride	2.86	84	1003	0.35	ug/l #	73
29) Tetrahydrofuran	5.17	42	513	0.42	ug/l #	36
31) Cyclohexane	5.66	56	4435	1.18	ug/l #	29
36) 1,1-Dichloropropene	5.66	75	14372	4.64	ug/l #	51
38) Carbon Tetrachloride	5.67	117	19394	6.29	ug/l #	16
53) t-1,3-Dichloropropene	8.45	75	91	2.42	ug/l #	43
54) cis-1,3-Dichloropropene	9.04	75	170	3.26	ug/l #	73
60) Dibromochloromethane	9.32	129	26	3.77	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	73401	26.72	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	73401	82.53	ug/l #	7

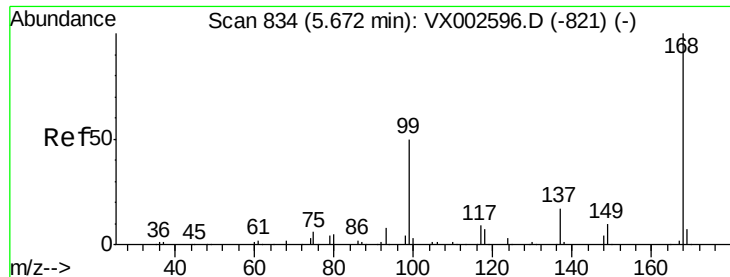
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062118\
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002784.D

Acq: 21 Jun 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

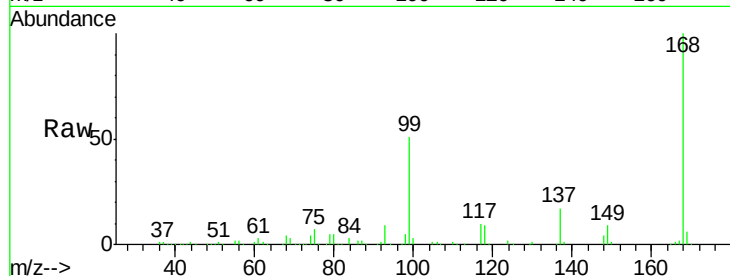
VX0621MBL01

Tot Ion:168 Resp: 209623

Ion Ratio Lower Upper

168 100

99 51.1 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

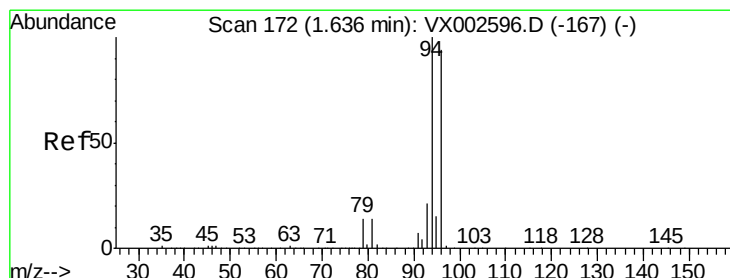
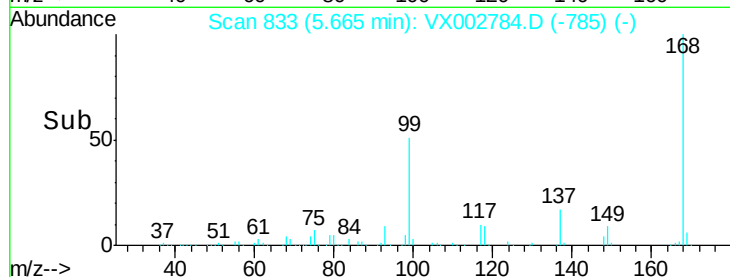
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.34 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX002784.D

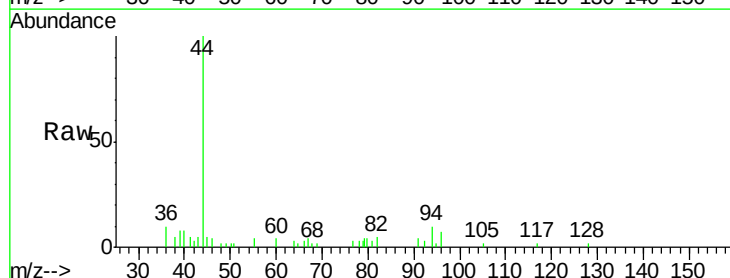
Acq: 21 Jun 2018 13:24

Tgt Ion: 94 Resp: 570

Ion Ratio Lower Upper

94 100

96 70.0 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

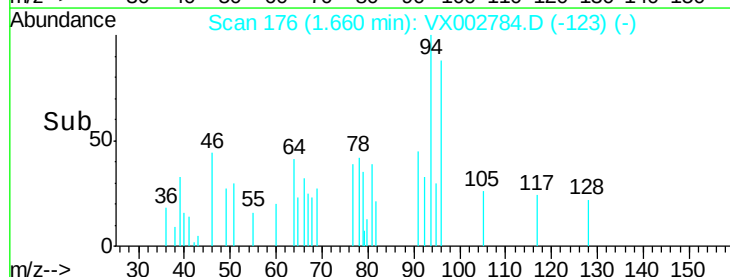
300

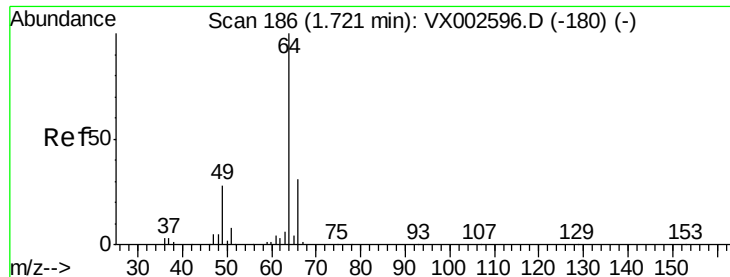
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.82 ug/l

RT: 1.75 min Scan# 191

Delta R.T. 0.03 min

Lab File: VX002784.D

Acq: 21 Jun 2018 13:24

Instrument :

MSVOA_X

ClientSampled :

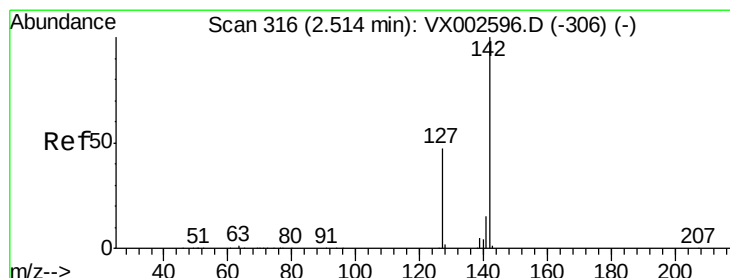
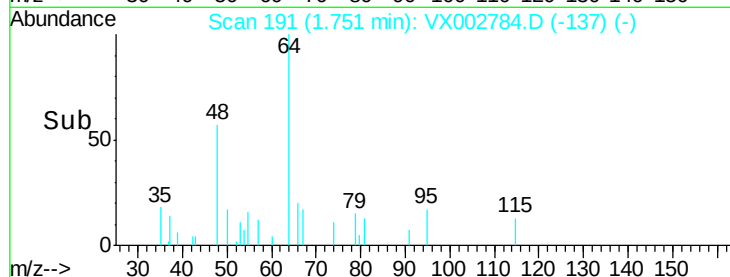
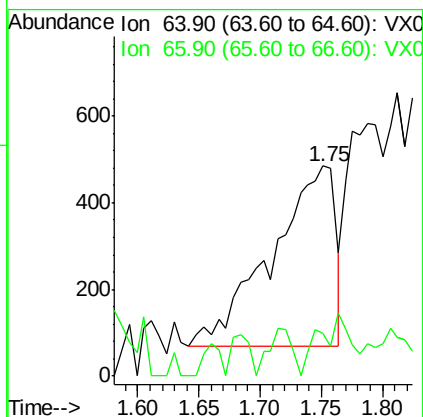
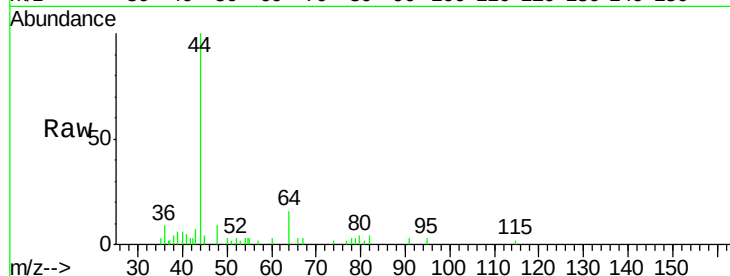
VX0621MBL01

Tot Ion: 64 Resp: 1488

Ion Ratio Lower Upper

64 100

66 23.4 25.5 38.3#



#10

Methyl Iodide

Concen: 5.35 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX002784.D

Acq: 21 Jun 2018 13:24

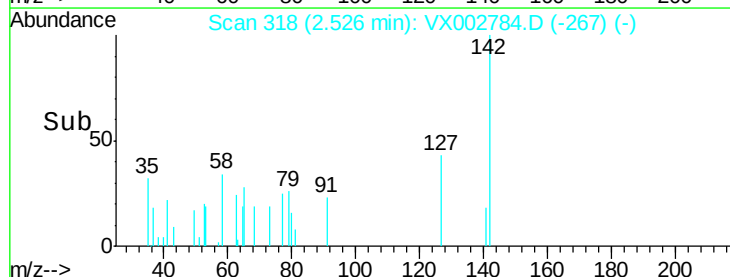
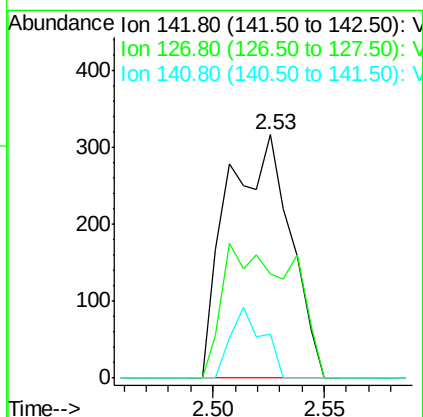
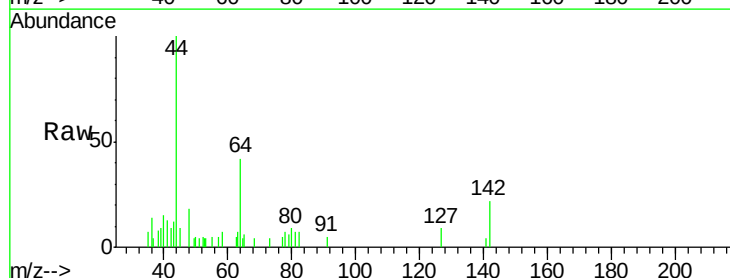
Tgt Ion: 142 Resp: 621

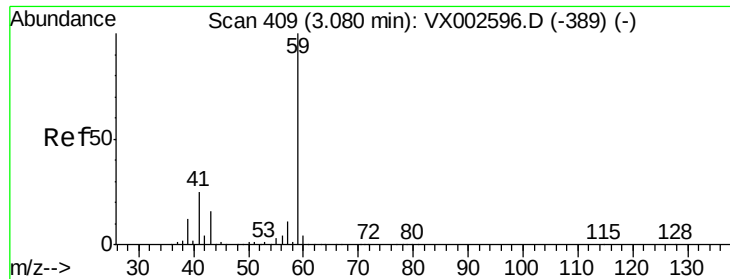
Ion Ratio Lower Upper

142 100

127 60.4 36.6 55.0#

141 14.8 11.3 16.9



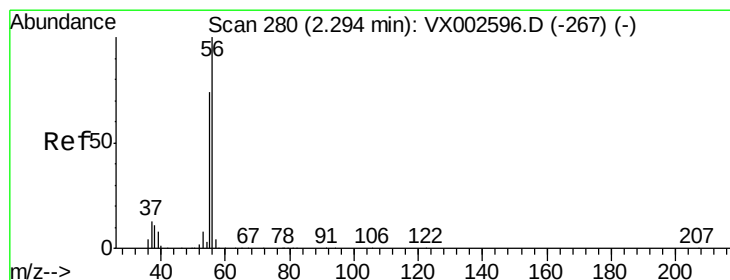
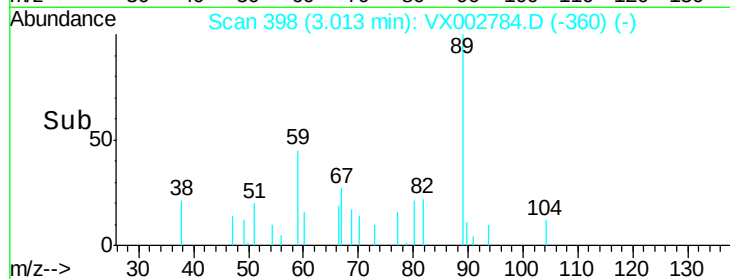
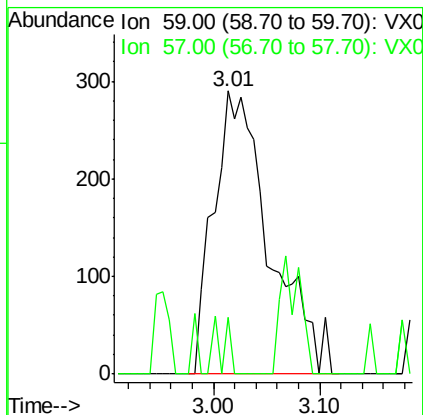
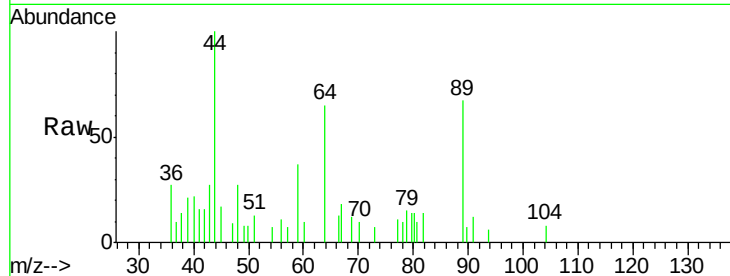


#11

Tert butyl alcohol
 Concen: 1.61 ug/l
 RT: 3.01 min Scan# 398
 Delta R.T. -0.07 min
 Lab File: VX002784.D
 Acq: 21 Jun 2018 13:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0621MBL01

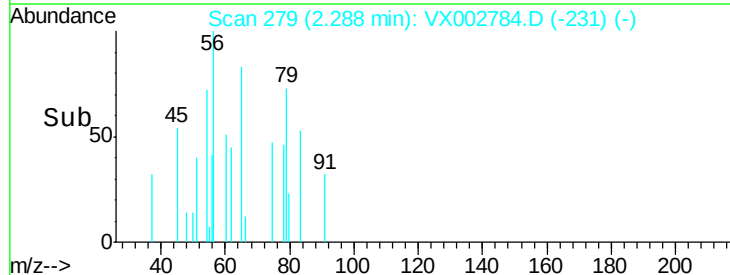
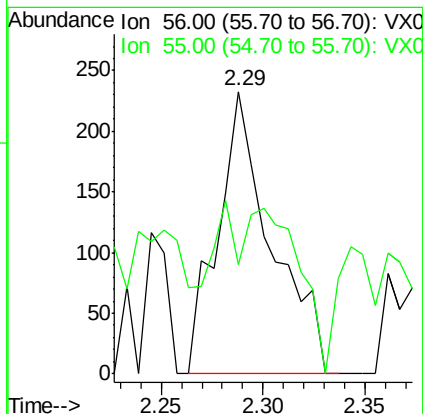
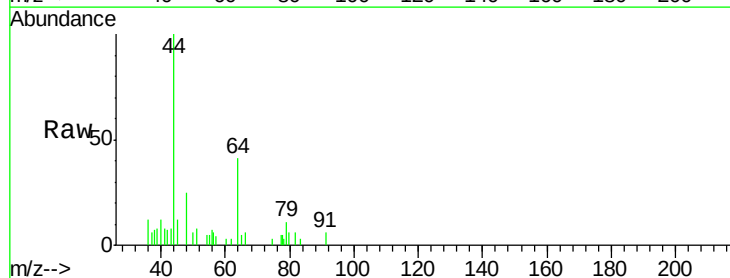
Tot Ion: 59 Resp: 1063
 Ion Ratio Lower Upper
 59 100
 57 4.0 8.2 12.2#

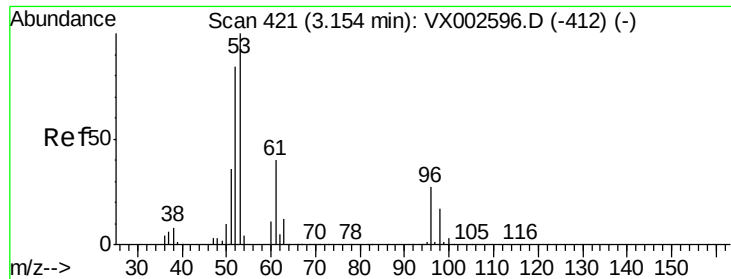


#13

Acrolein
 Concen: 8.20 ug/l
 RT: 2.29 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX002784.D
 Acq: 21 Jun 2018 13:24

Tgt Ion: 56 Resp: 424
 Ion Ratio Lower Upper
 56 100
 55 10.8 57.0 85.4#





#15

Acrylonitrile

Concen: 0.27 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002784.D

Acq: 21 Jun 2018 13:24

Instrument :

MSVOA_X

ClientSampled :

VX0621MBL01

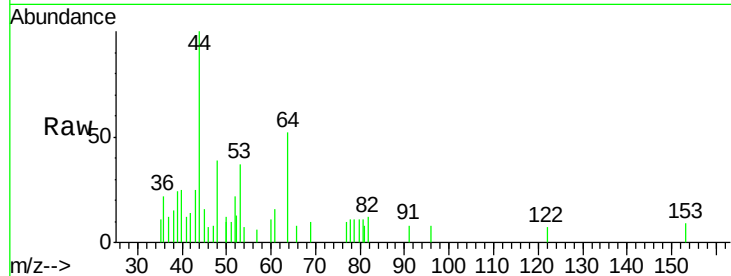
Tot Ion: 53 Resp: 387

Ion Ratio Lower Upper

53 100

52 157.1 66.7 100.1#

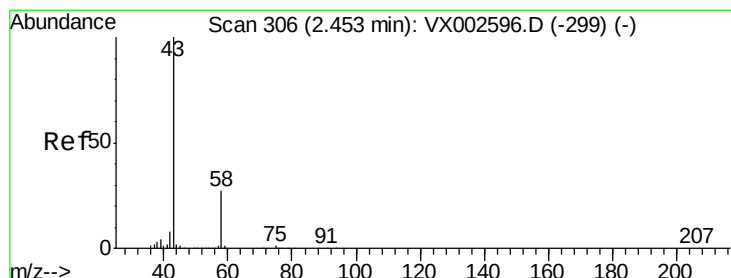
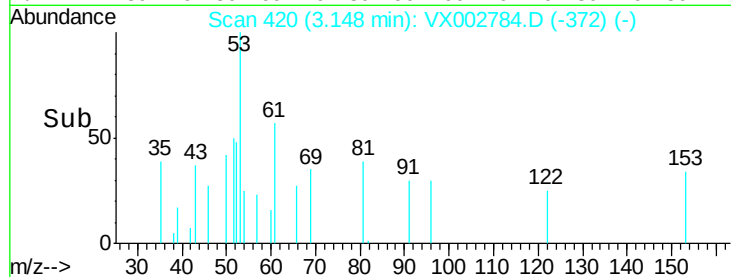
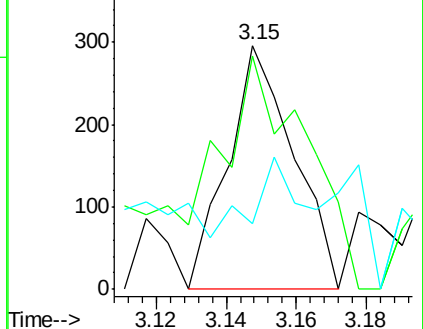
51 32.0 29.9 44.9



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: 1.22 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002784.D

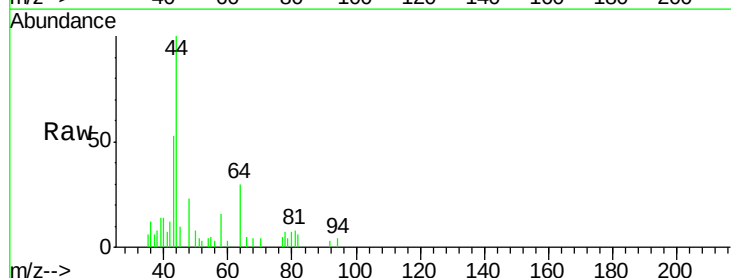
Acq: 21 Jun 2018 13:24

Tgt Ion: 43 Resp: 1710

Ion Ratio Lower Upper

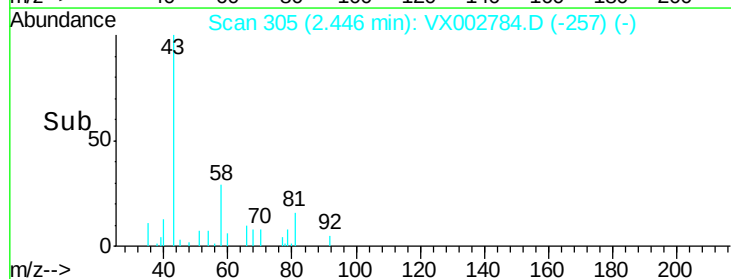
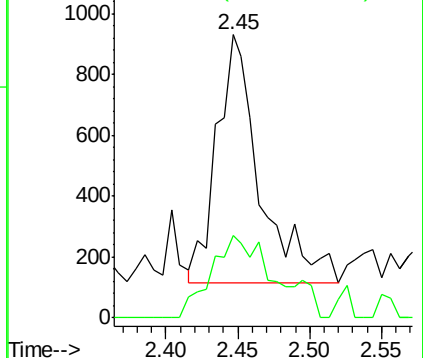
43 100

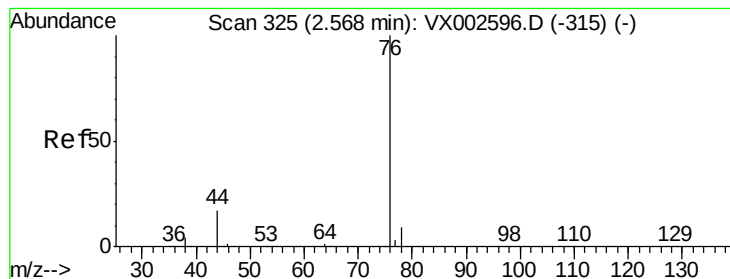
58 25.8 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.28 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002784.D

Acq: 21 Jun 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

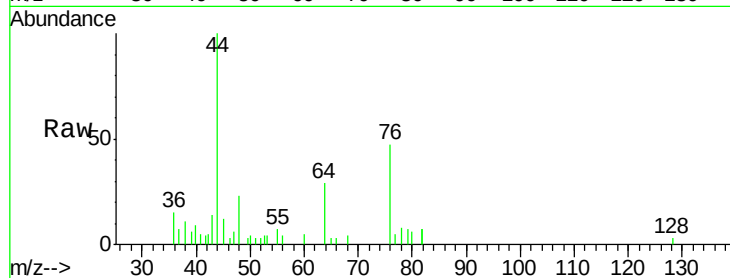
VX0621MBL01

Tot Ion: 76 Resp: 1531

Ion Ratio Lower Upper

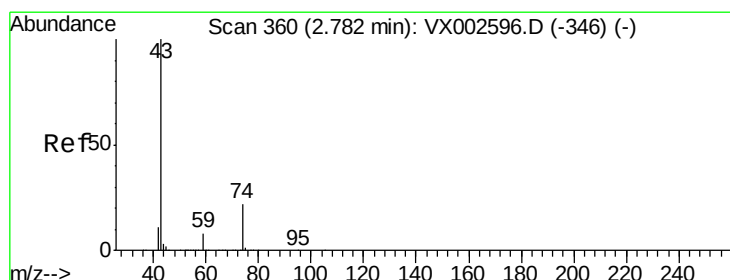
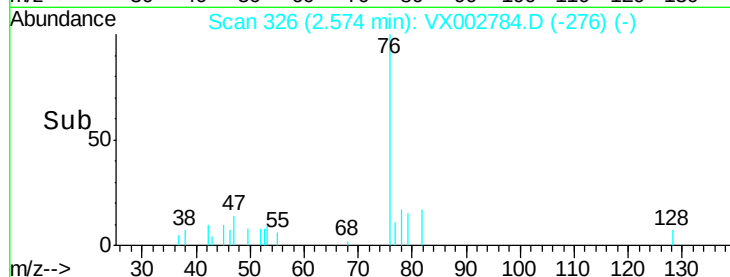
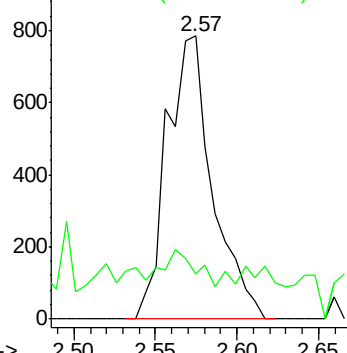
76 100

78 3.4 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.27 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002784.D

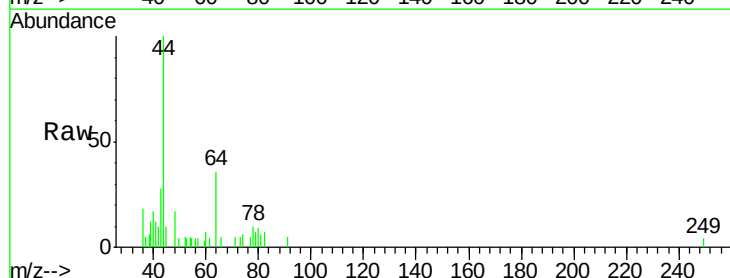
Acq: 21 Jun 2018 13:24

Tgt Ion: 43 Resp: 1008

Ion Ratio Lower Upper

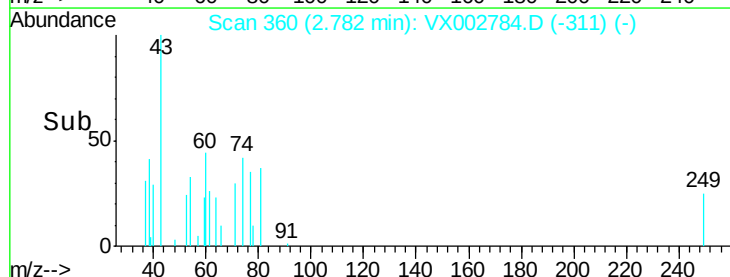
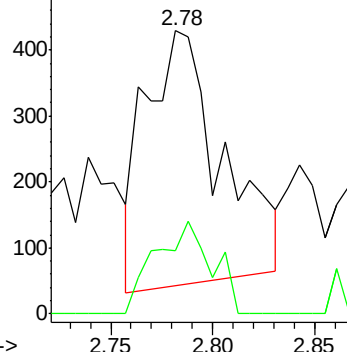
43 100

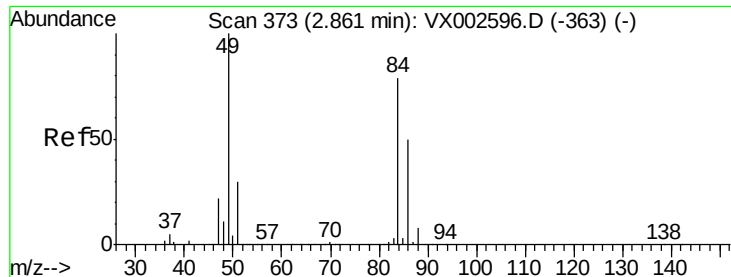
74 26.5 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

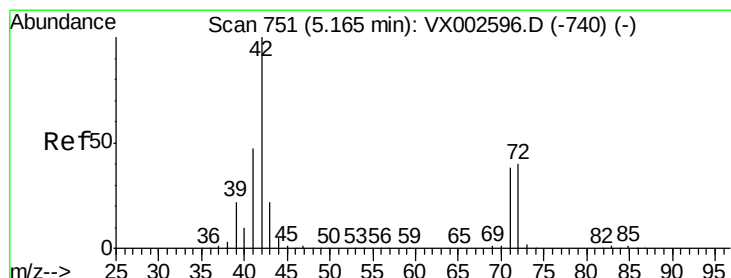
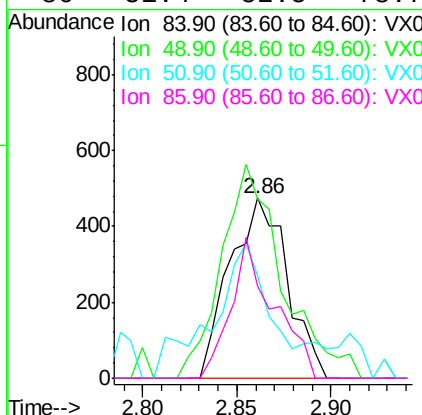
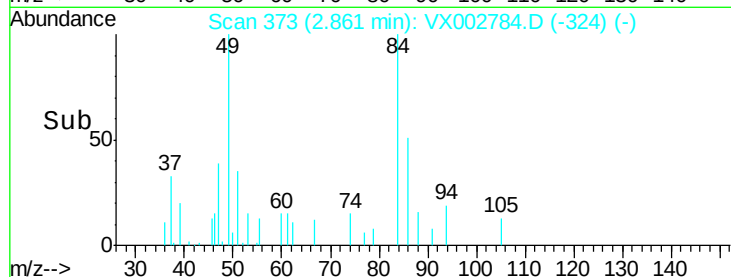
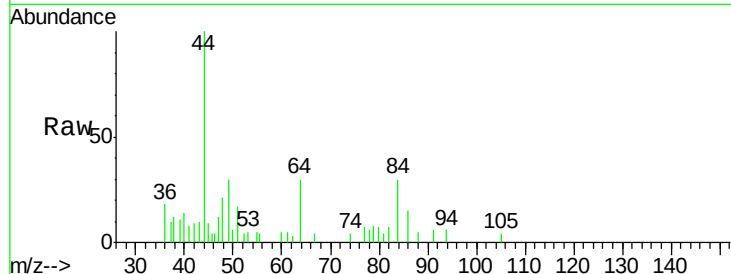




#20
Methylene Chloride
Concen: 0.35 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002784.D
Acq: 21 Jun 2018 13:24

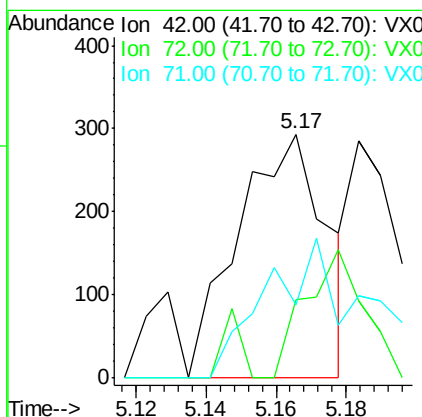
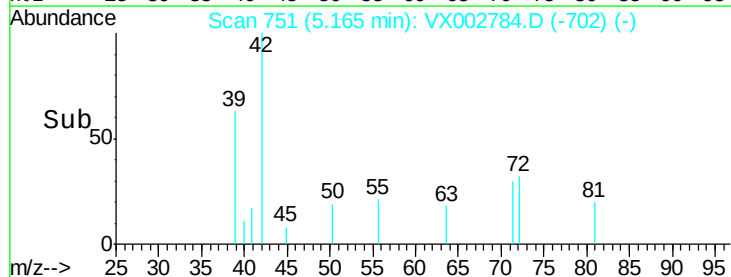
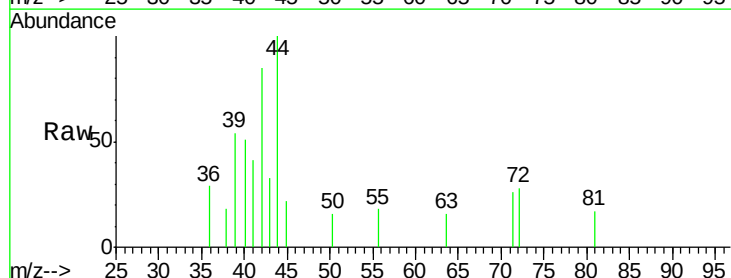
Instrument :
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ClientSampled :
VX0621MBL01

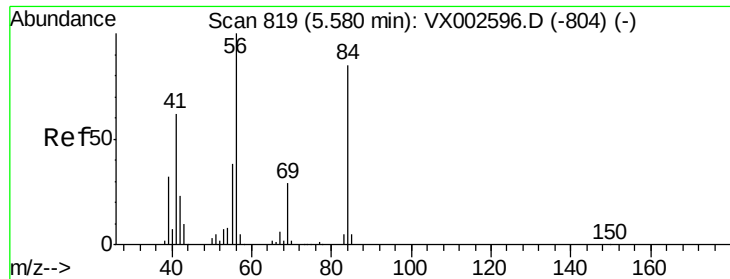
Tot Ion: 84 Resp: 1003
Ion Ratio Lower Upper
84 100
49 88.2 107.8 161.6#
51 39.6 32.8 49.2
86 51.4 52.5 78.7#



#29
Tetrahydrofuran
Concen: 0.42 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002784.D
Acq: 21 Jun 2018 13:24

Tgt Ion: 42 Resp: 513
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 0.0 30.1 45.1#

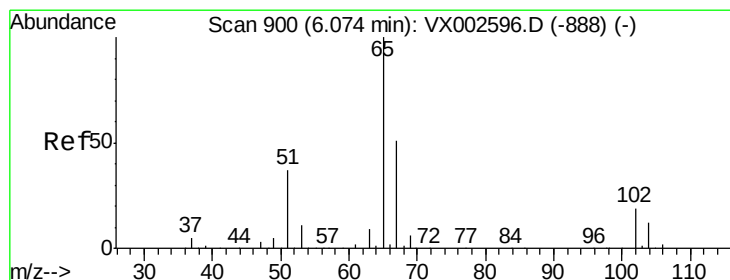
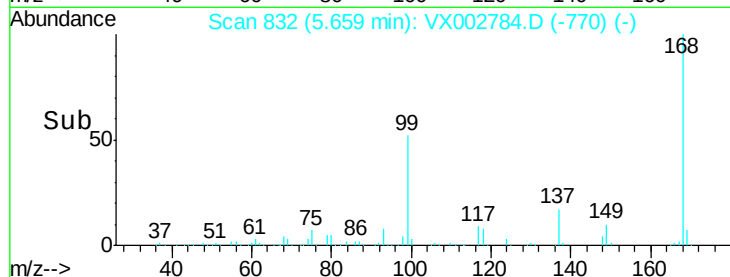
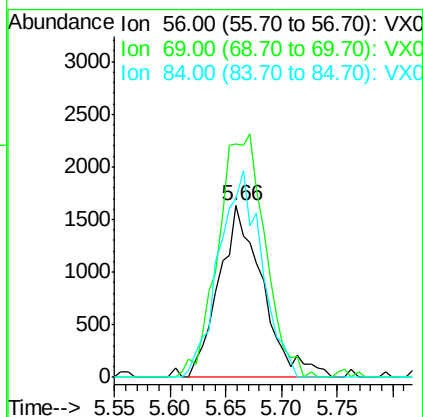
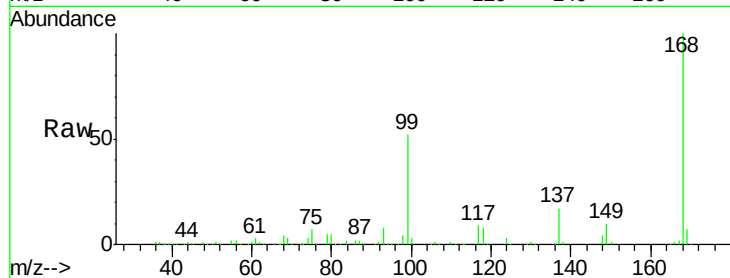




#31
Cyclohexane
Concen: 1.18 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.08 min
Lab File: VX002784.D
Acq: 21 Jun 2018 13:24

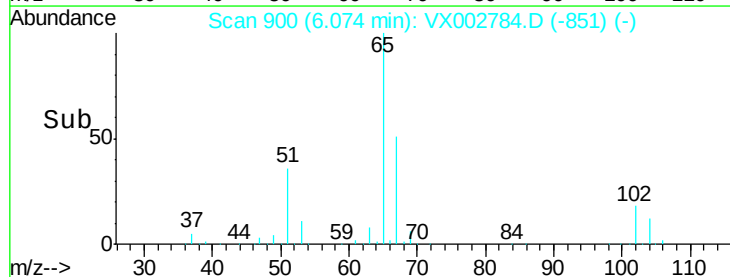
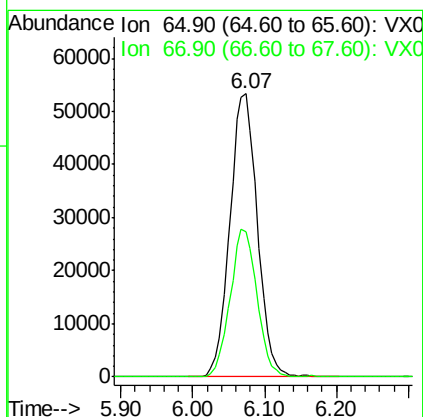
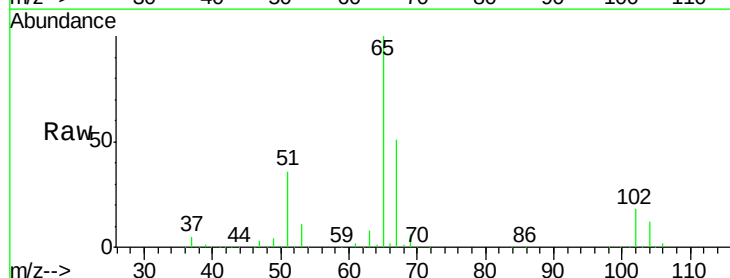
Instrument :
MSVOA_X
ClientSampleId :
VX0621MBL01

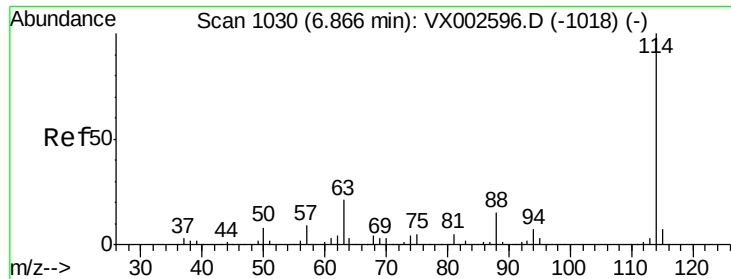
Tot Ion: 56 Resp: 4435
Ion Ratio Lower Upper
56 100
69 133.0 23.7 35.5#
84 103.7 64.1 96.1#



#33
1,2-Dichloroethane-d4
Concen: 44.48 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002784.D
Acq: 21 Jun 2018 13:24

Tgt Ion: 65 Resp: 141702
Ion Ratio Lower Upper
65 100
67 51.0 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: VX002784.D

Acq: 21 Jun 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

VX0621MBL01

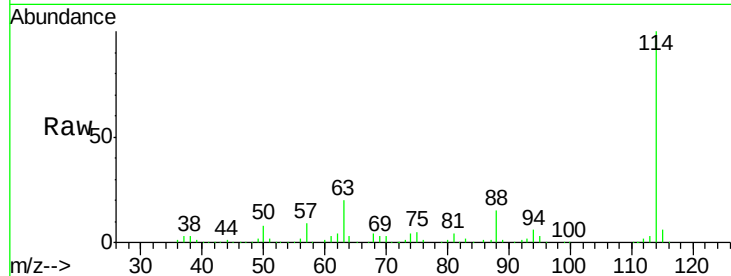
Tot Ion:114 Resp: 291394

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.4

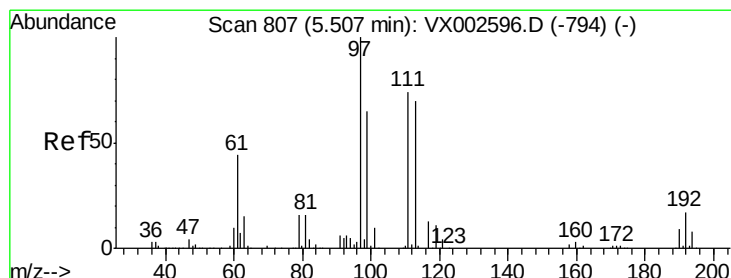
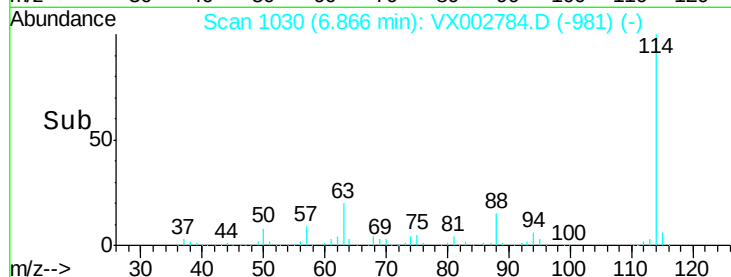
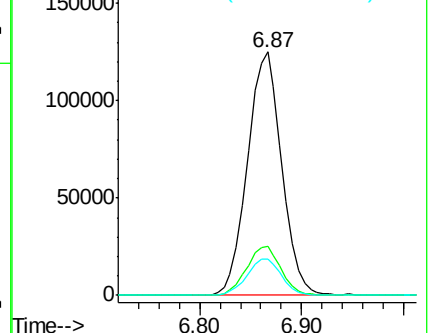
88 15.1 0.0 30.0



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: 48.53 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002784.D

Acq: 21 Jun 2018 13:24

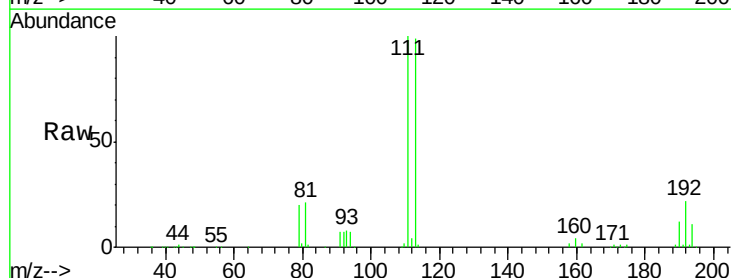
Tgt Ion:113 Resp: 112868

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

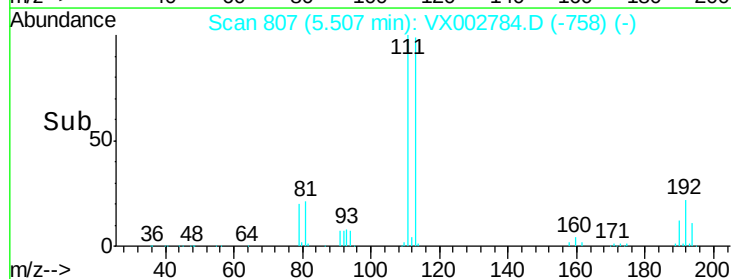
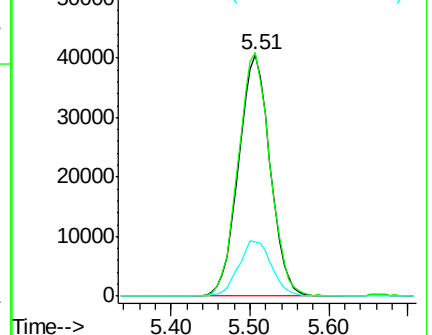
192 24.0 19.1 28.7

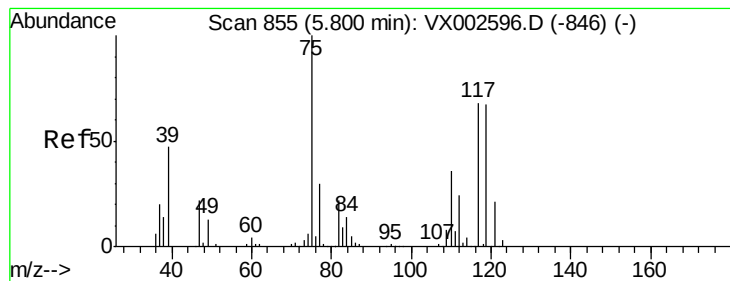


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.64 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.14 min

Lab File: VX002784.D

Acq: 21 Jun 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

VX0621MBL01

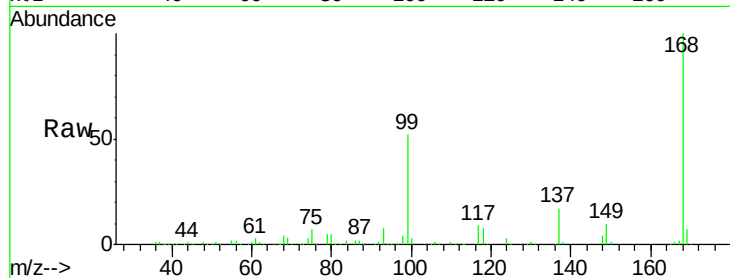
Tot Ion: 75 Resp: 14372

Ion Ratio Lower Upper

75 100

110 10.7 18.1 54.4#

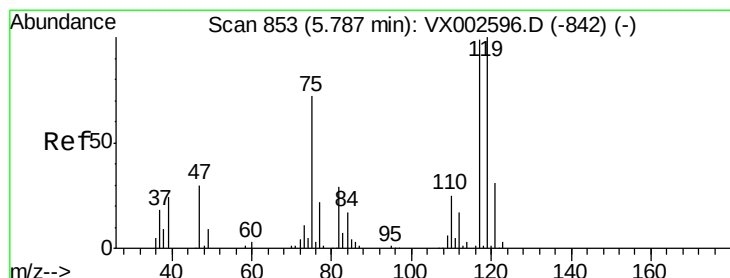
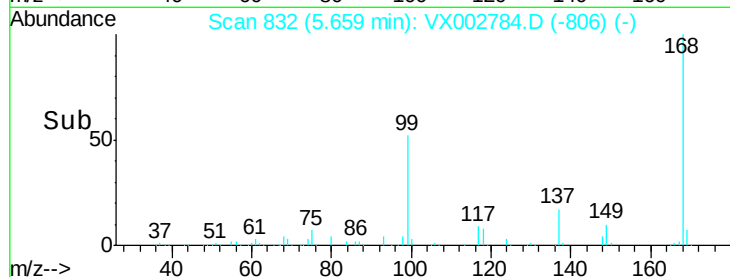
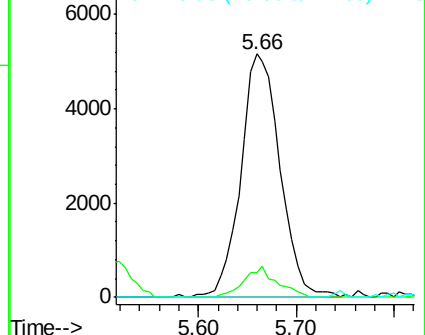
77 0.0 24.3 36.5#



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: 6.29 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002784.D

Acq: 21 Jun 2018 13:24

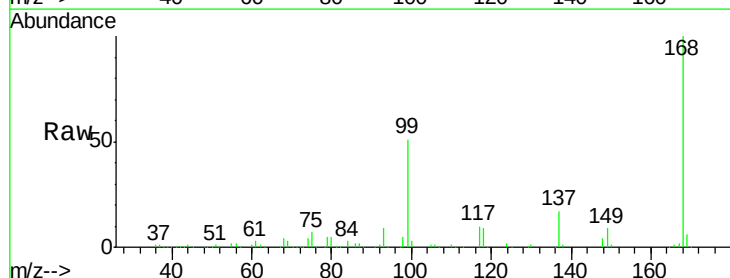
Tgt Ion: 117 Resp: 19394

Ion Ratio Lower Upper

117 100

119 5.0 77.4 116.0#

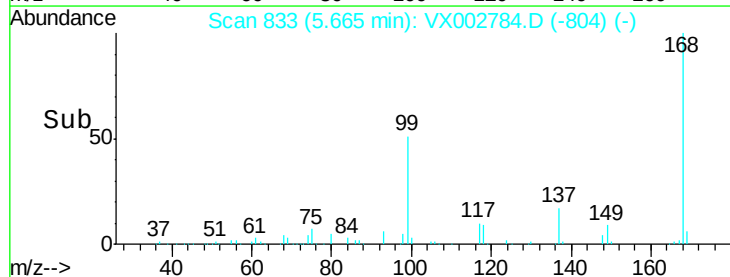
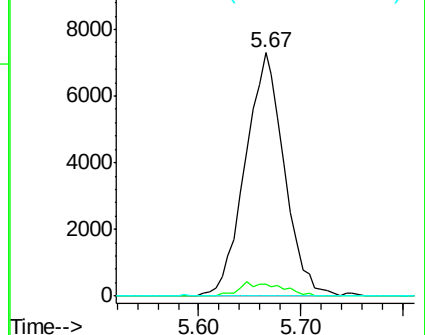
121 0.0 24.4 36.6#

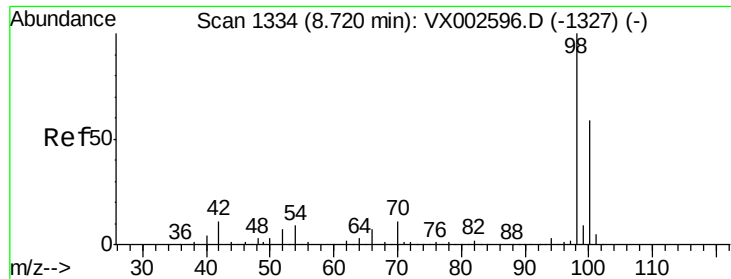


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

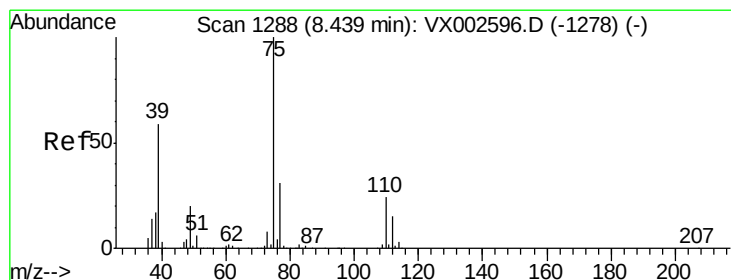
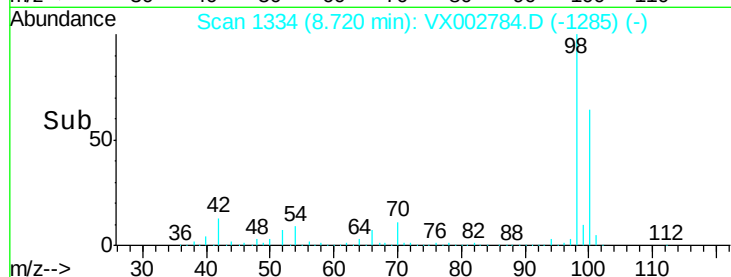
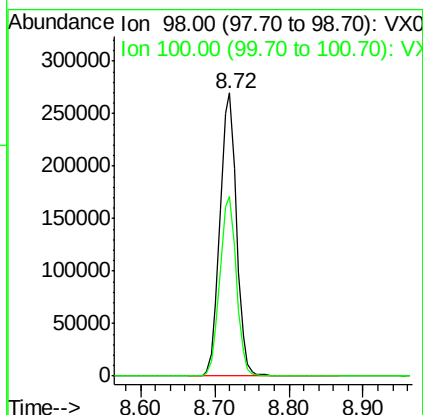
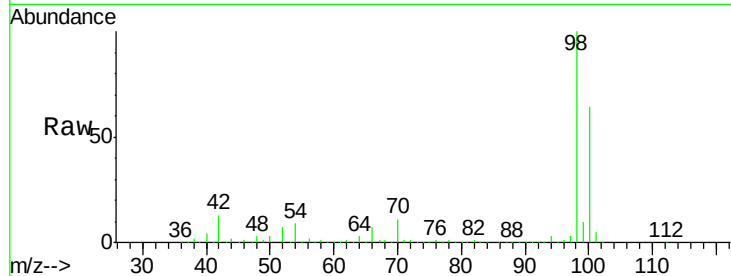




#50
Toluene-d8
Concen: 47.09 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002784.D
Acq: 21 Jun 2018 13:24

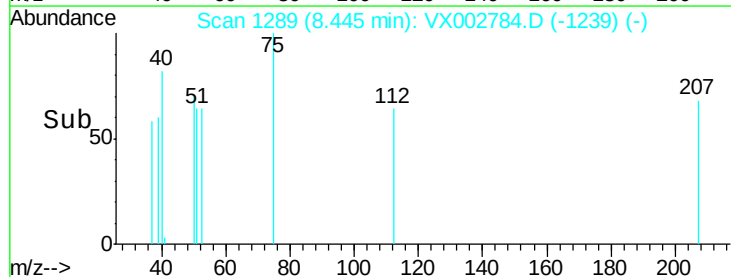
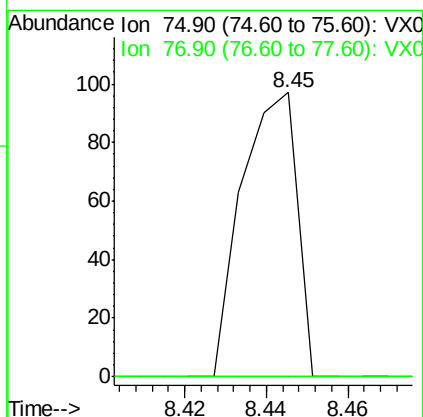
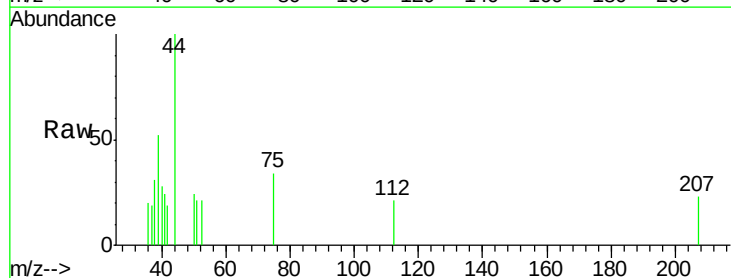
Instrument :
MSVOA_X
ClientSampleId :
VX0621MBL01

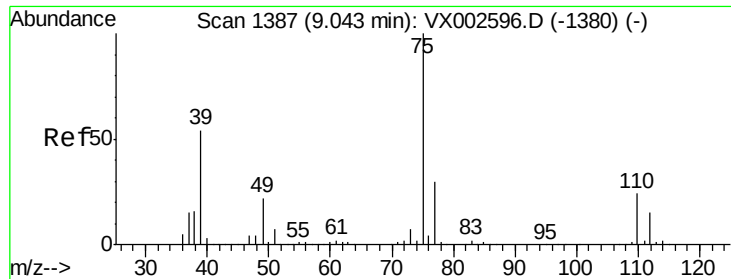
Tot Ion: 98 Resp: 415852
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3



#53
t-1,3-Dichloropropene
Concen: 2.42 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VX002784.D
Acq: 21 Jun 2018 13:24

Tgt Ion: 75 Resp: 91
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



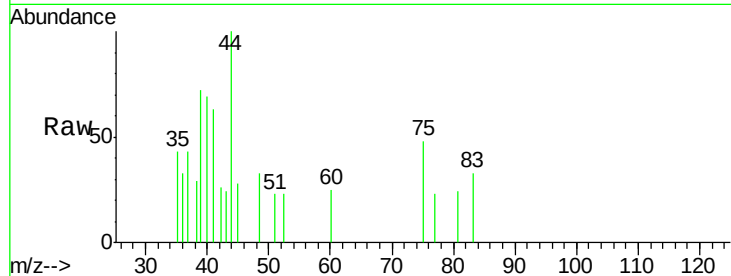


#54

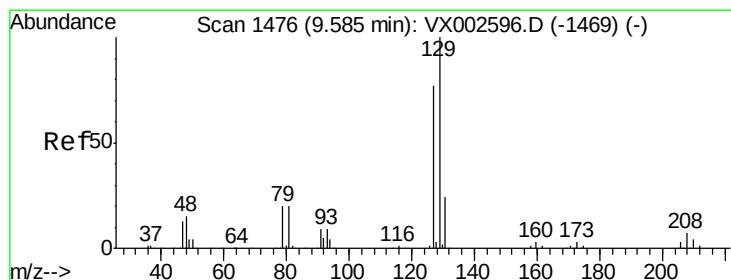
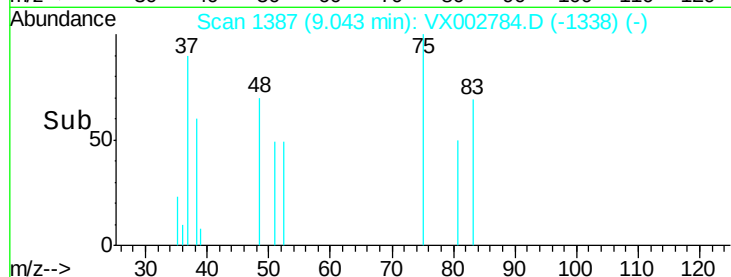
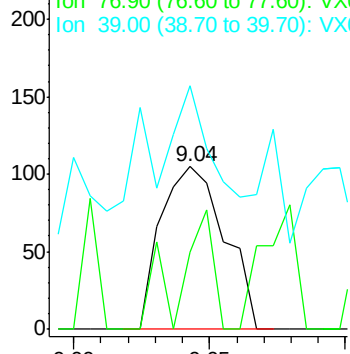
cis-1,3-Dichloropropene
Concen: 3.26 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX002784.D
Acq: 21 Jun 2018 13:24

Instrument :
MSVOA_X
ClientSampled :
VX0621MBL01

Tot Ion: 75 Resp: 170
Ion Ratio Lower Upper
75 100
77 47.6 24.8 37.2#
39 70.5 42.4 63.6#



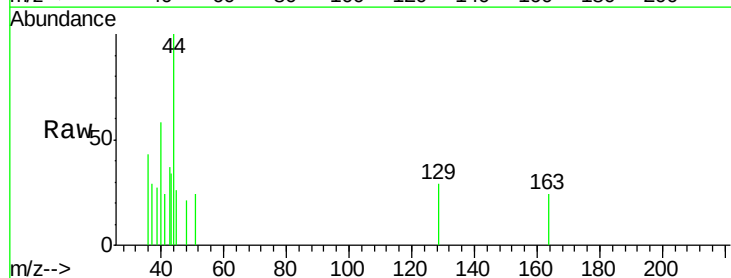
Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0
Ion 39.00 (38.70 to 39.70): VX0



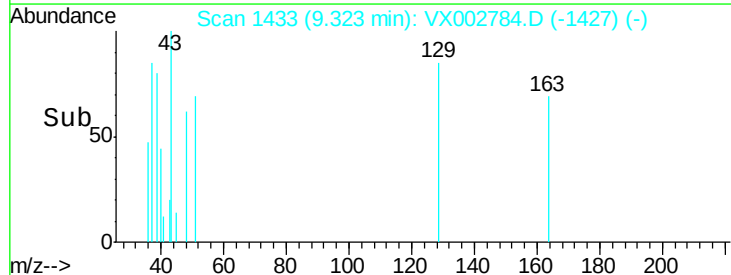
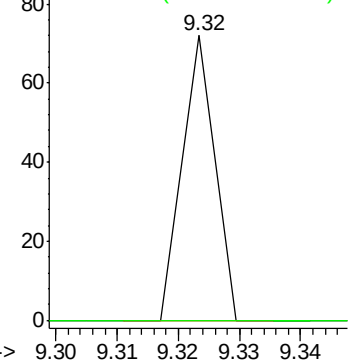
#60

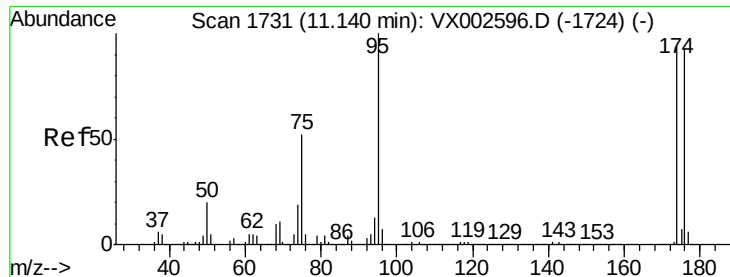
Dibromochloromethane
Concen: 3.77 ug/l
RT: 9.32 min Scan# 1433
Delta R.T. -0.26 min
Lab File: VX002784.D
Acq: 21 Jun 2018 13:24

Tgt Ion: 129 Resp: 26
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

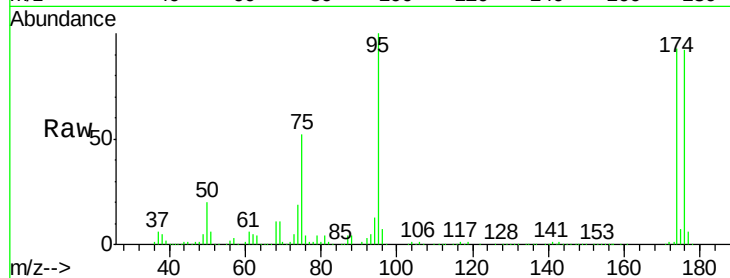




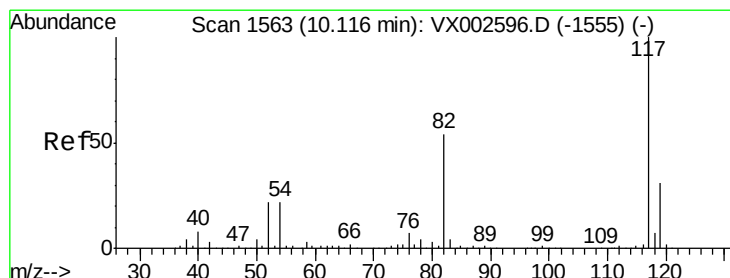
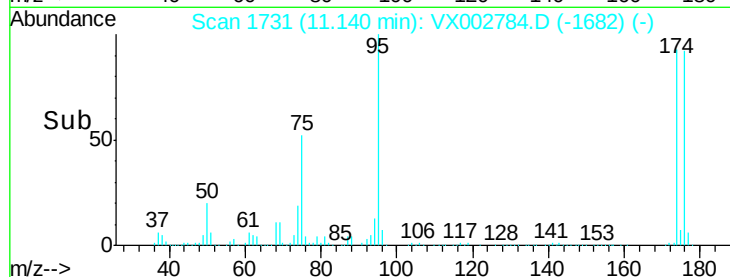
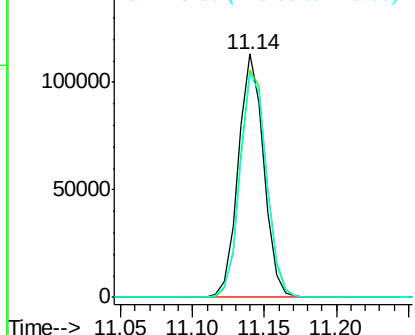
#62
4-Bromofluorobenzene
Concen: 41.54 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002784.D
Acq: 21 Jun 2018 13:24

Instrument :
MSVOA_X
ClientSampled :
VX0621MBL01

Tot Ion: 95 Resp: 139003
Ion Ratio Lower Upper
95 100
174 97.6 0.0 187.4
176 94.6 0.0 181.0

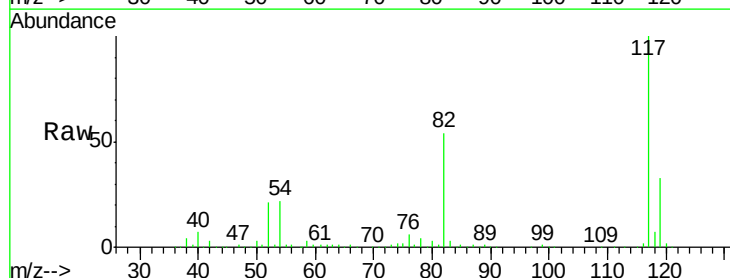


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

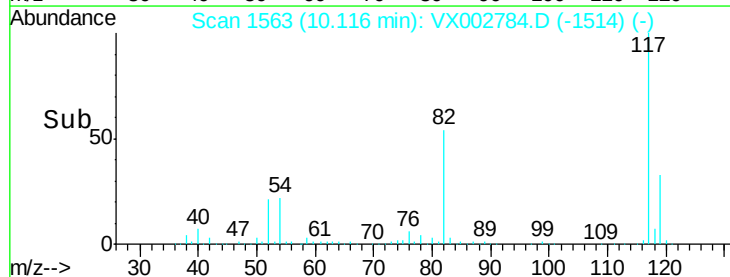
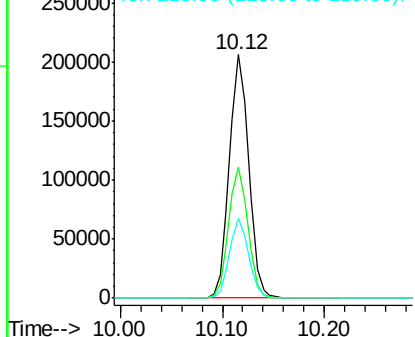


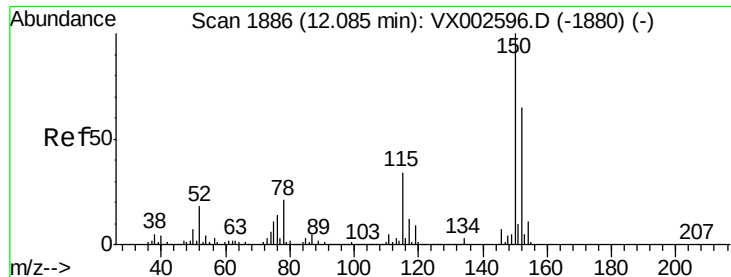
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002784.D
Acq: 21 Jun 2018 13:24

Tgt Ion: 117 Resp: 269666
Ion Ratio Lower Upper
117 100
82 53.9 45.0 67.4
119 32.7 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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002784.D

Acq: 21 Jun 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

VX0621MBL01

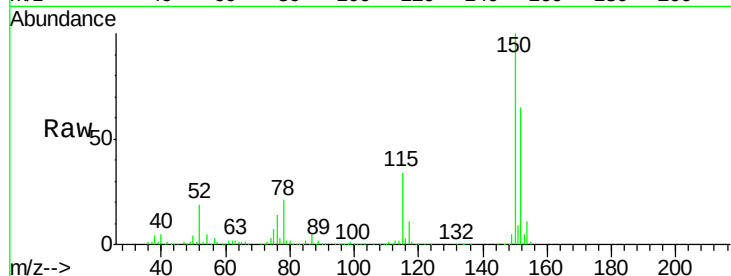
Tot Ion:152 Resp: 145581

Ion Ratio Lower Upper

152 100

115 54.7 40.1 120.2

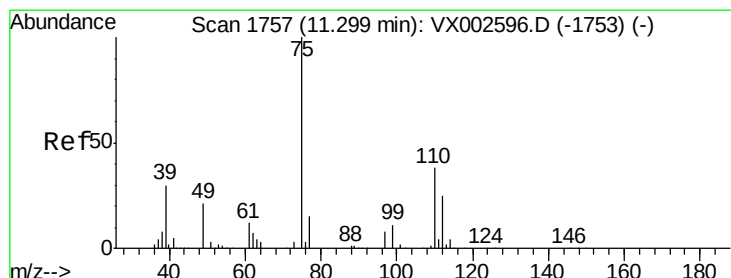
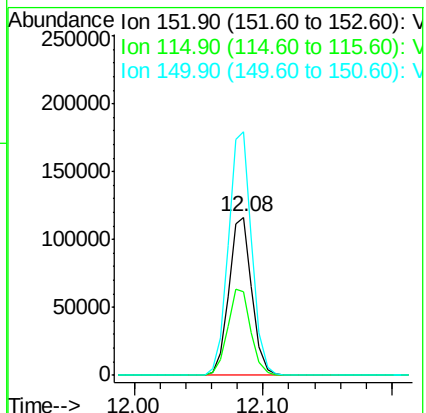
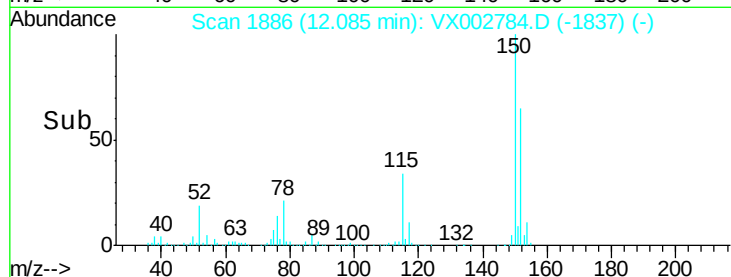
150 156.7 0.0 347.2



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: 26.72 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002784.D

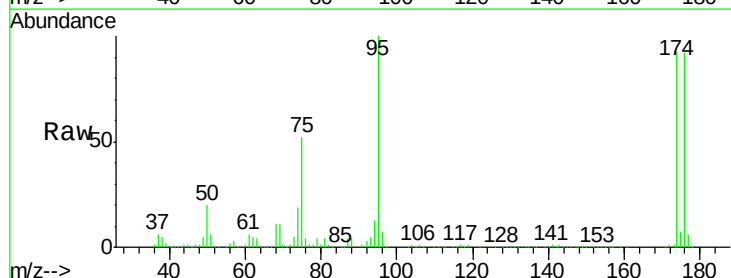
Acq: 21 Jun 2018 13:24

Tgt Ion: 75 Resp: 73401

Ion Ratio Lower Upper

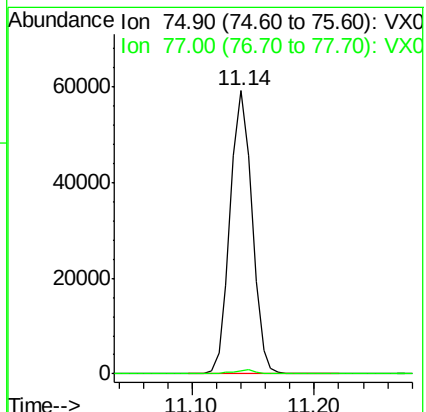
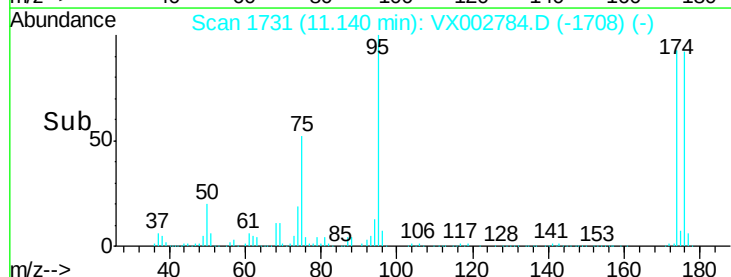
75 100

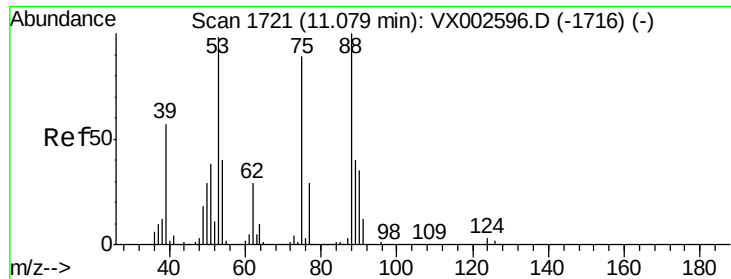
77 1.5 22.8 68.3#



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: 82.53 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002784.D

Acq: 21 Jun 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

VX0621MBL01

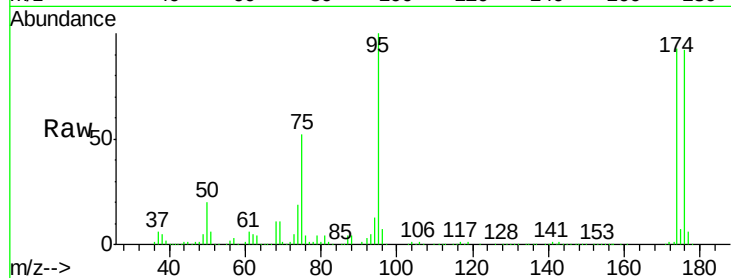
Tot Ion: 75 Resp: 73401

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

