

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004600.D
 Acq On : 15 Sep 2018 23:06
 Operator : JC/MD
 Sample : VX0915WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBL02

Quant Time: Sep 17 08:42:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	241049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	318201	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	302001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	191045	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	155318	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
35) Dibromofluoromethane	5.51	113	141307	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
50) Toluene-d8	8.72	98	453388	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
62) 4-Bromofluorobenzene	11.14	95	158701	45.53	ug/l	0.00
Spiked Amount			Recovery	=	91.06%	

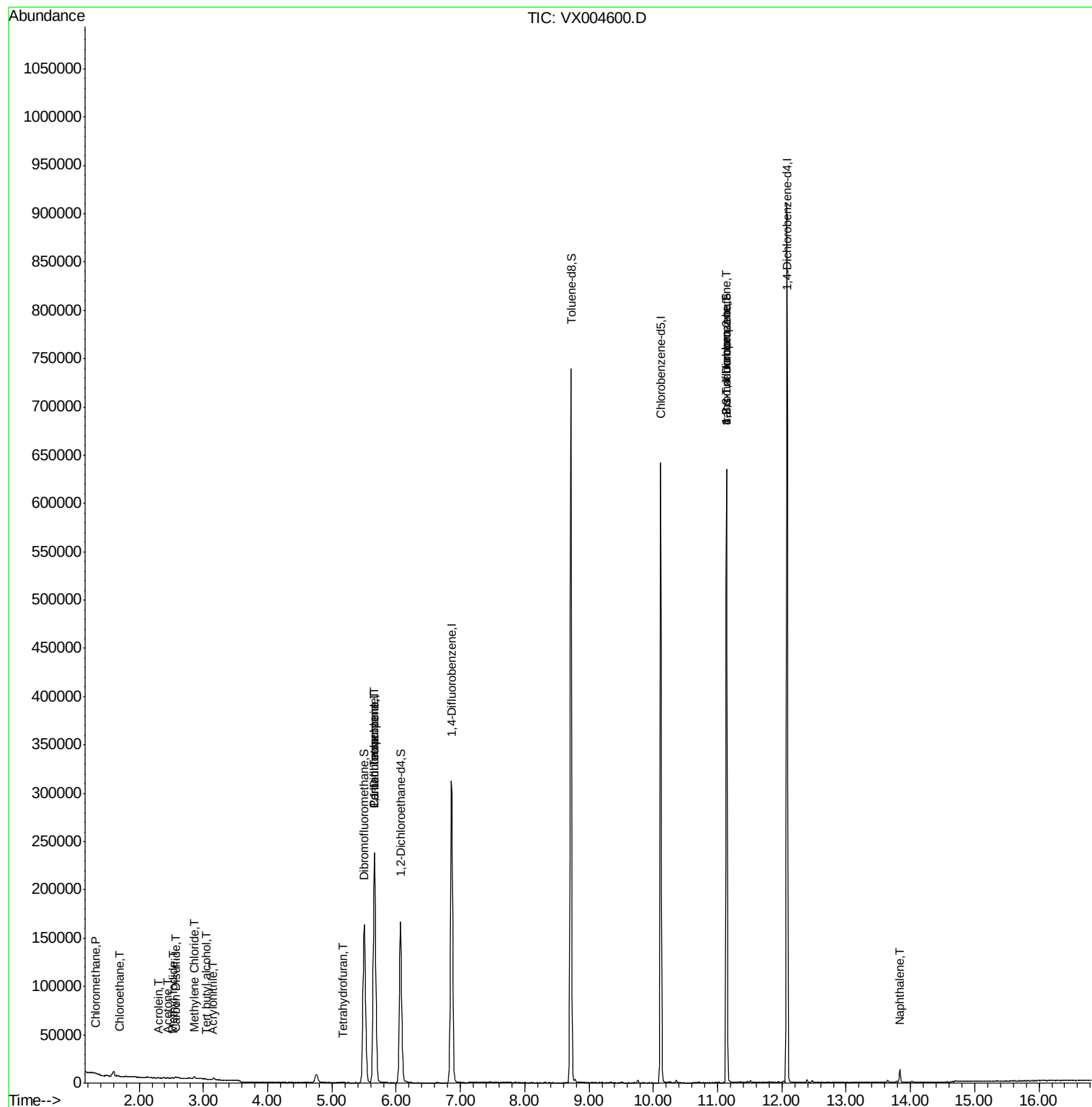
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	827	0.27	ug/l	90
5) Bromomethane	1.65	94	1072	Below Cal		97
6) Chloroethane	1.70	64	955	0.46	ug/l	92
10) Methyl Iodide	2.52	142	889	4.51	ug/l	98
11) Tert butyl alcohol	3.06	59	267	0.36	ug/l #	72
13) Acrolein	2.30	56	222	0.76	ug/l #	73
15) Acrylonitrile	3.15	53	415	0.23	ug/l #	90
16) Acetone	2.45	43	736	0.49	ug/l	94
17) Carbon Disulfide	2.57	76	1726	0.24	ug/l #	89
20) Methylene Chloride	2.86	84	916	0.29	ug/l #	87
29) Tetrahydrofuran	5.18	42	393	0.27	ug/l #	39
36) 1,1-Dichloropropene	5.66	75	15546	4.02	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20823	5.52	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	74093	19.28	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	74093	61.44	ug/l #	10
95) Naphthalene	13.83	128	9613	0.74	ug/l	98

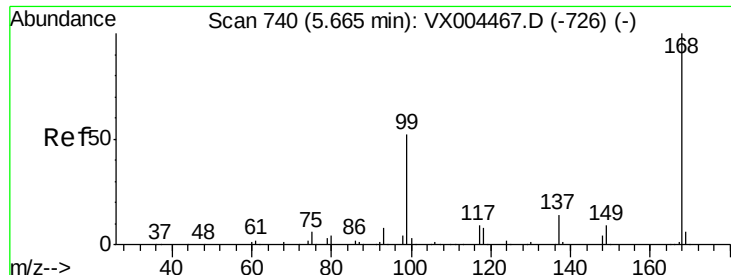
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004600.D

Acq: 15 Sep 2018 23:06

Instrument :

MSVOA_X

ClientSampleId :

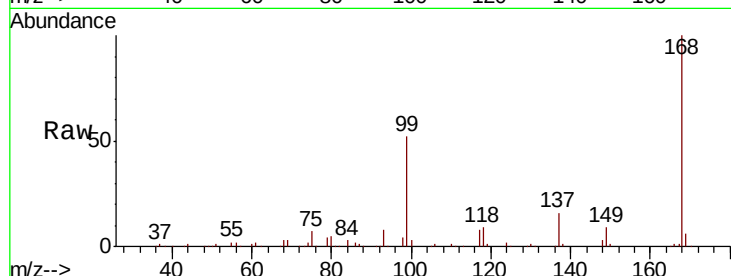
VX0915WBL02

Tot Ion:168 Resp: 241049

Ion Ratio Lower Upper

168 100

99 52.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

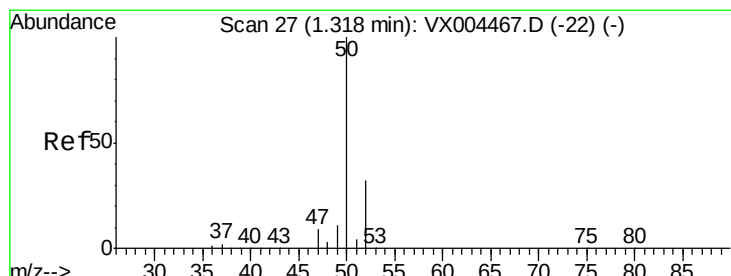
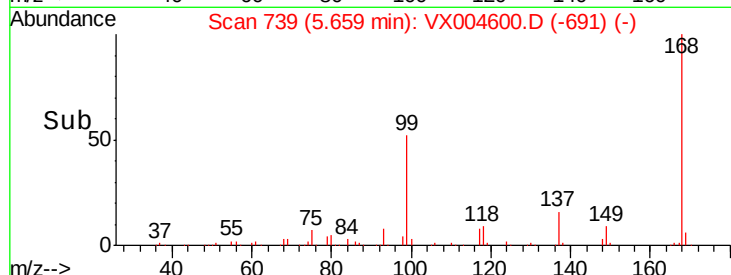
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.27 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004600.D

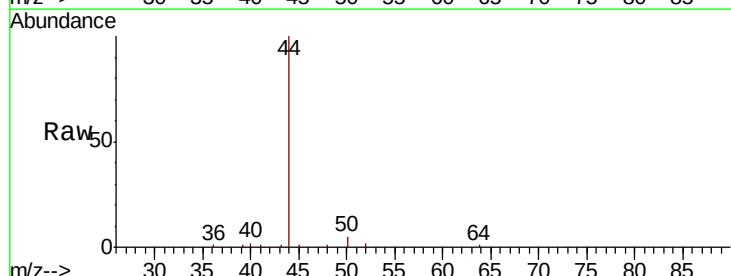
Acq: 15 Sep 2018 23:06

Tgt Ion: 50 Resp: 827

Ion Ratio Lower Upper

50 100

52 38.2 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

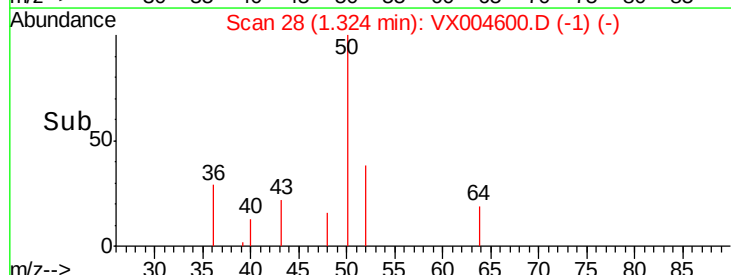
300

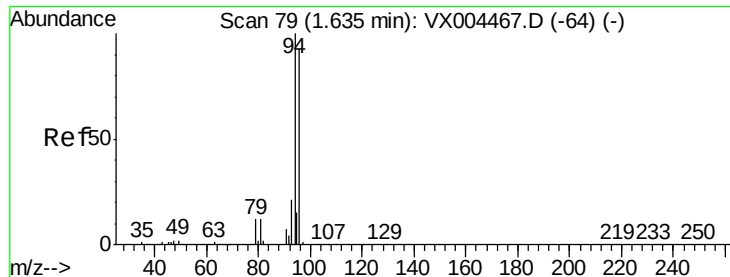
200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004600.D

Acq: 15 Sep 2018 23:06

Instrument :

MSVOA_X

ClientSampleId :

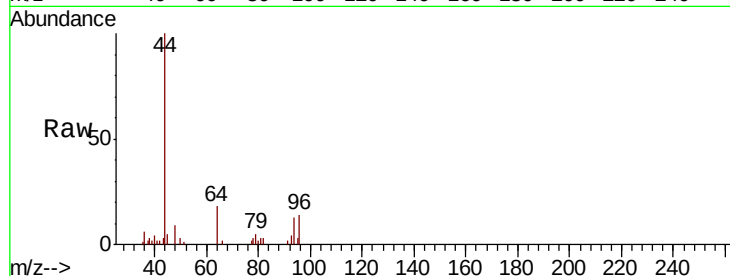
VX0915WBL02

Tot Ion: 94 Resp: 1072

Ion Ratio Lower Upper

94 100

96 95.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

600

500

400

300

200

100

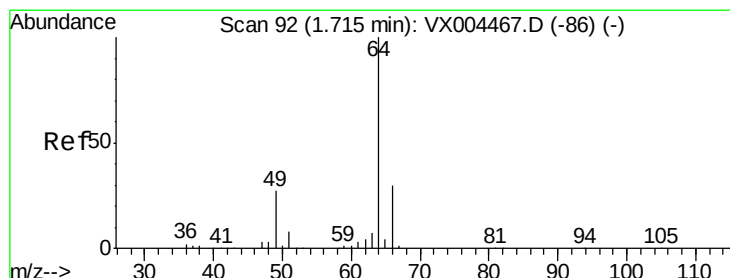
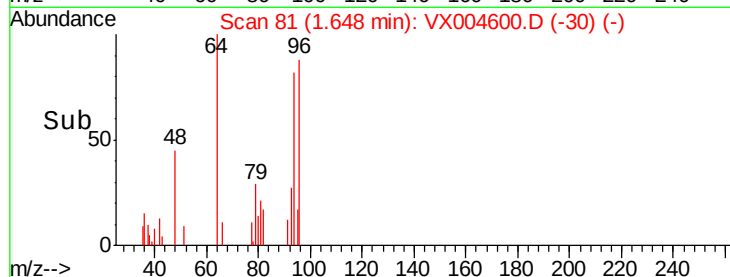
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: 0.46 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX004600.D

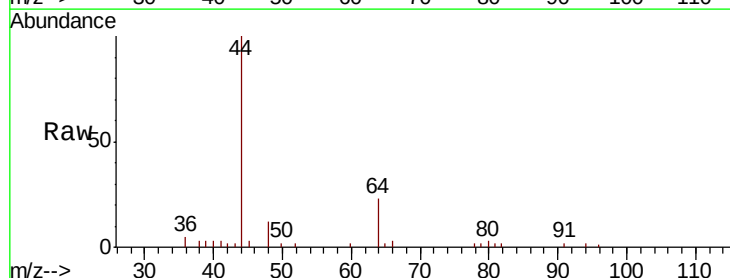
Acq: 15 Sep 2018 23:06

Tgt Ion: 64 Resp: 955

Ion Ratio Lower Upper

64 100

66 26.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1200

1000

800

600

400

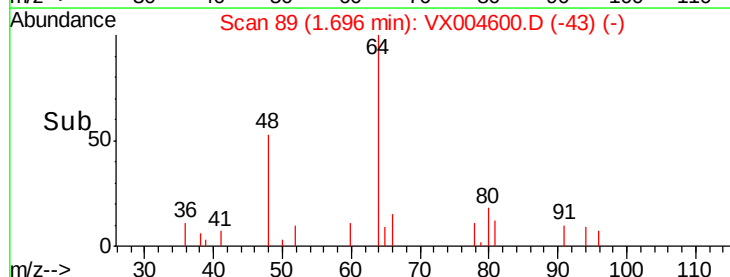
200

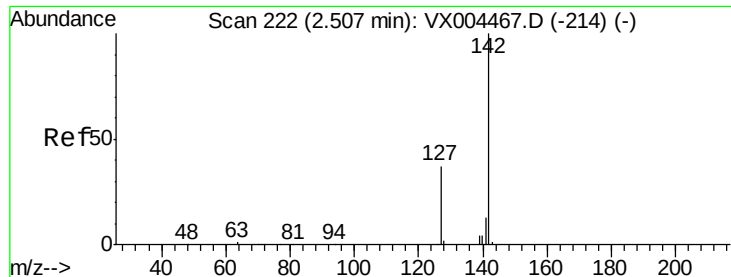
0

1.65

1.70

Time-->

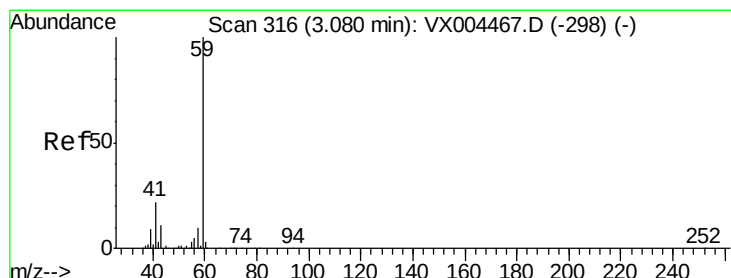
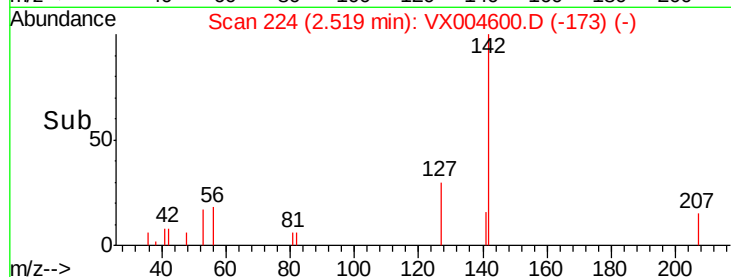
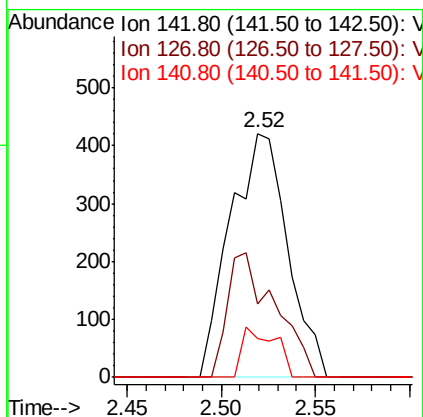
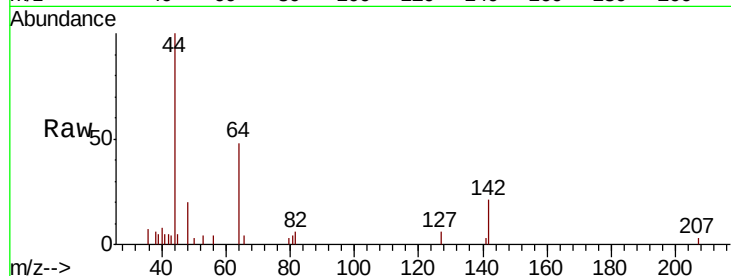




#10
Methvl Iodide
Concen: 4.51 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX004600.D
Acq: 15 Sep 2018 23:06

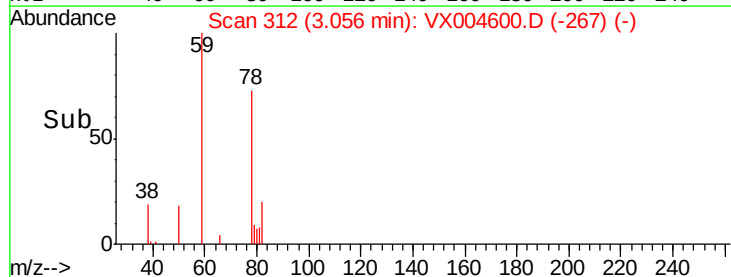
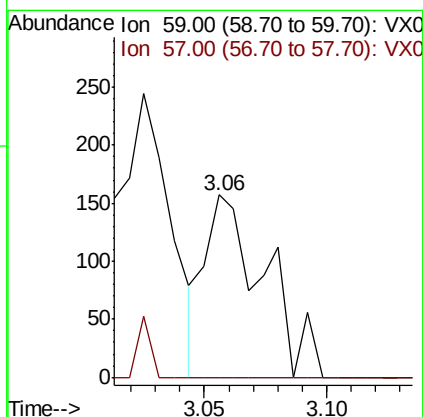
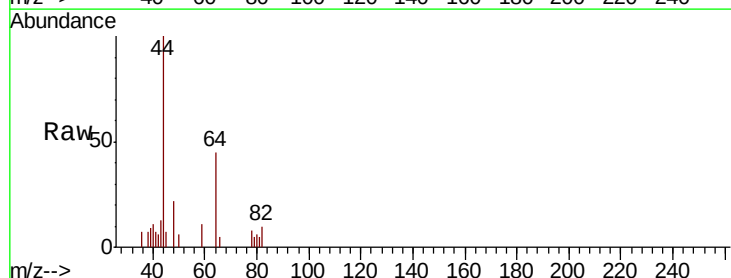
Instrument :
MSVOA_X
ClientSampleId :
VX0915WBL02

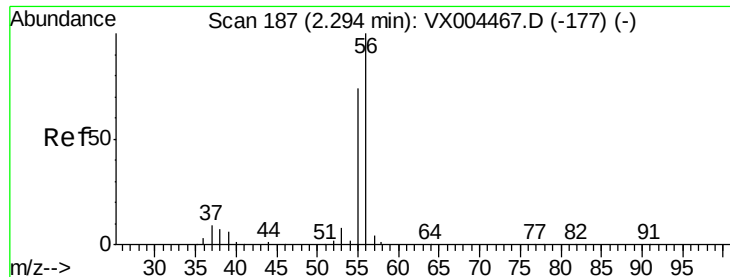
Tot Ion:142 Resp: 889
Ion Ratio Lower Upper
142 100
127 42.1 33.8 50.6
141 11.6 11.4 17.0



#11
Tert butyl alcohol
Concen: 0.36 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX004600.D
Acq: 15 Sep 2018 23:06

Tgt Ion: 59 Resp: 267
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.76 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX004600.D

Acq: 15 Sep 2018 23:06

Instrument :

MSVOA_X

ClientSampleId :

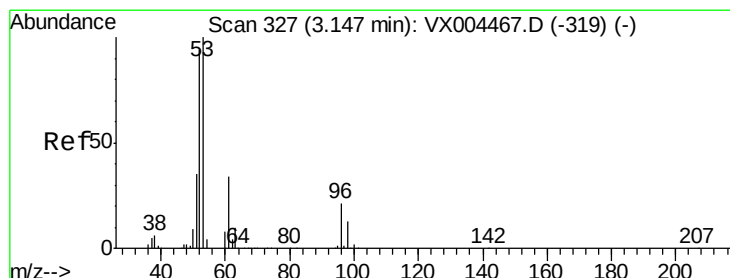
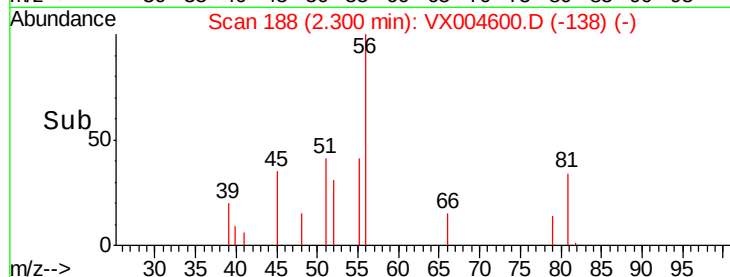
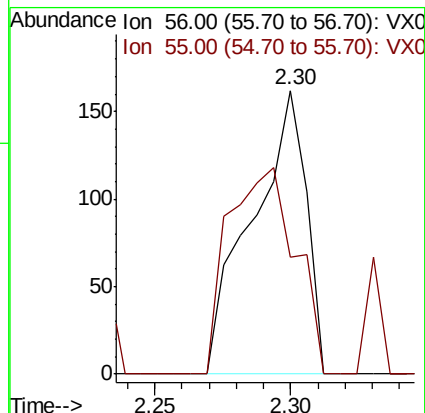
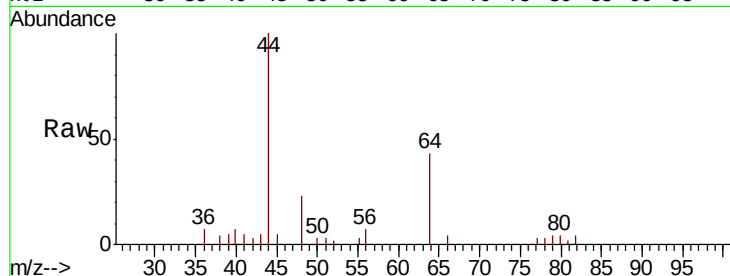
VX0915WBL02

Tot Ion: 56 Resp: 222

Ion Ratio Lower Upper

56 100

55 90.5 54.7 82.1#



#15

Acrylonitrile

Concen: 0.23 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004600.D

Acq: 15 Sep 2018 23:06

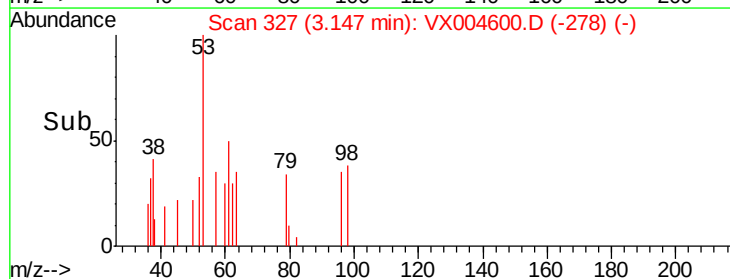
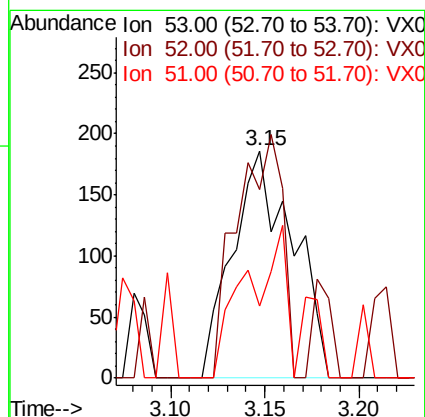
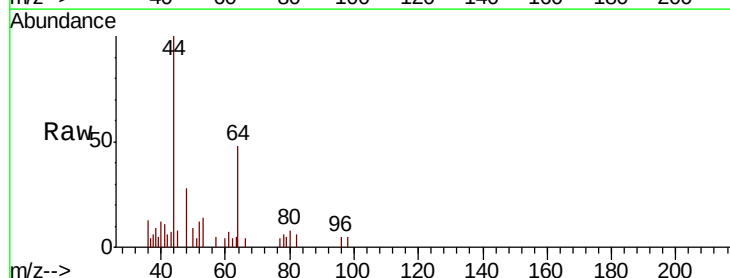
Tgt Ion: 53 Resp: 415

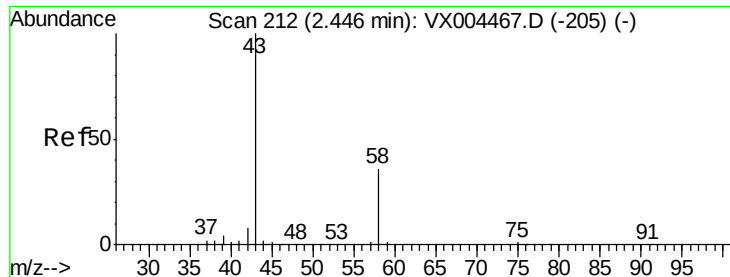
Ion Ratio Lower Upper

53 100

52 81.2 65.2 97.8

51 54.7 28.2 42.2#





#16

Acetone

Concen: 0.49 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004600.D

Acq: 15 Sep 2018 23:06

Instrument :

MSVOA_X

ClientSampleId :

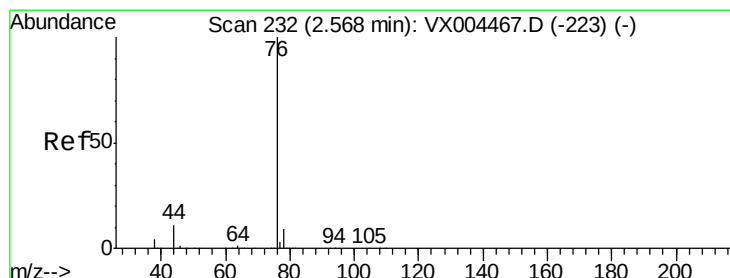
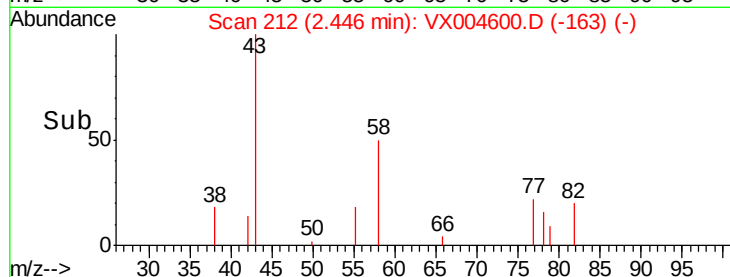
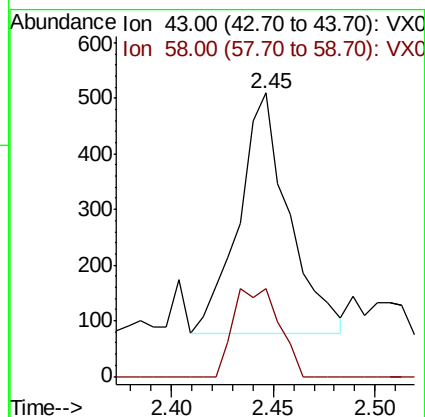
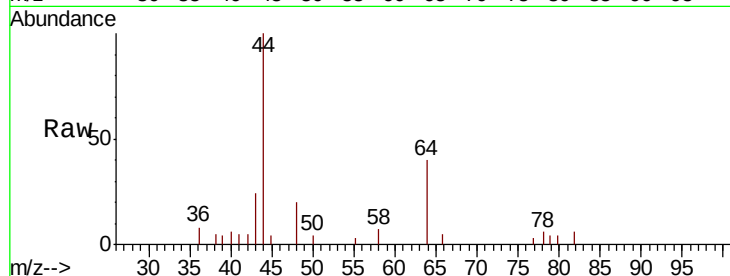
VX0915WBL02

Tot Ion: 43 Resp: 736

Ion Ratio Lower Upper

43 100

58 36.3 26.2 39.4



#17

Carbon Disulfide

Concen: 0.24 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004600.D

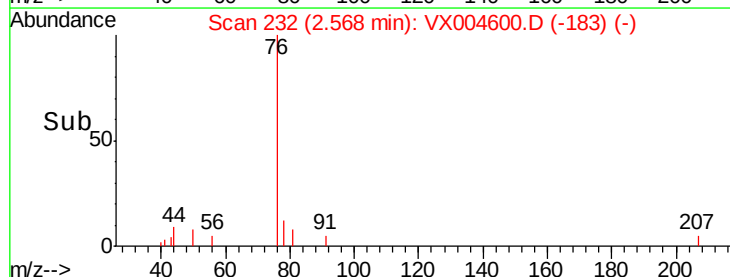
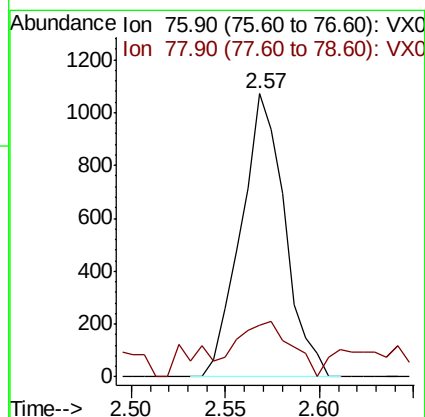
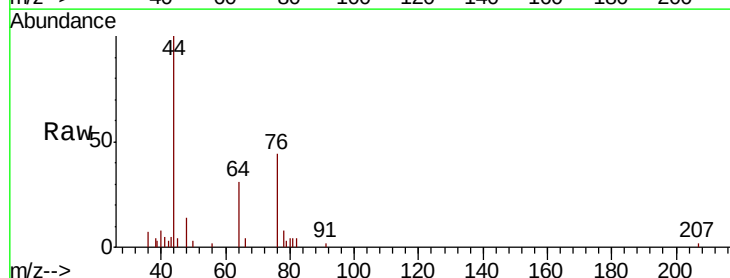
Acq: 15 Sep 2018 23:06

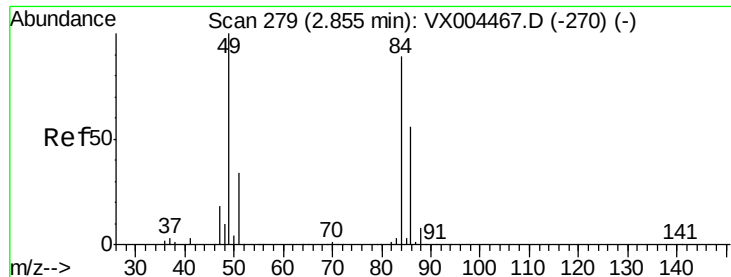
Tgt Ion: 76 Resp: 1726

Ion Ratio Lower Upper

76 100

78 12.8 7.0 10.6#

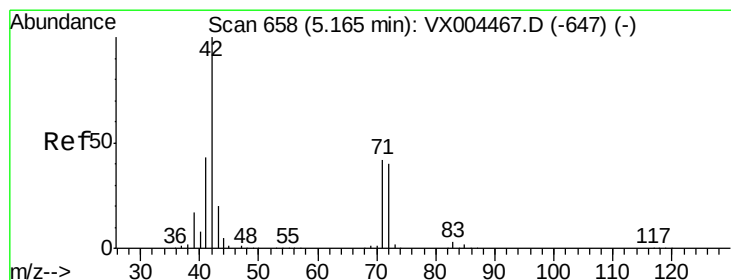
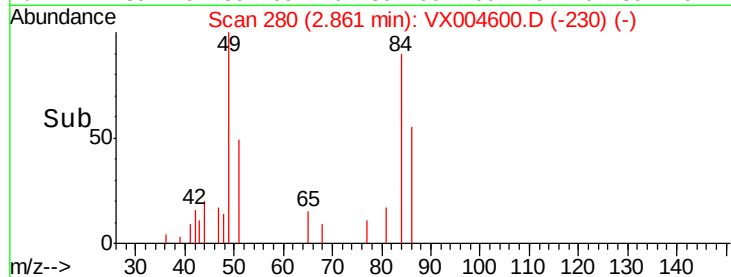
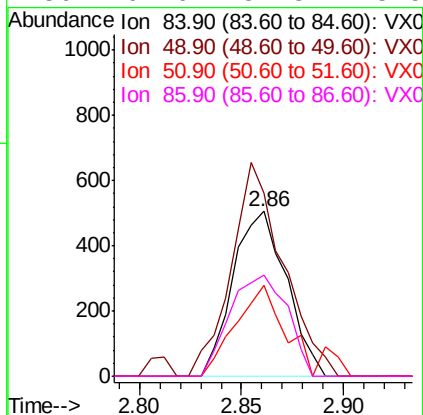
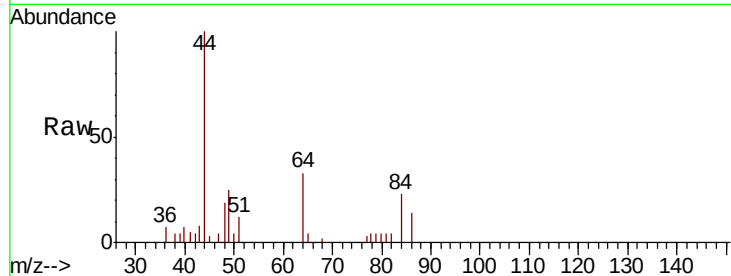




#20
Methvlene Chloride
Concen: 0.29 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004600.D
Acq: 15 Sep 2018 23:06

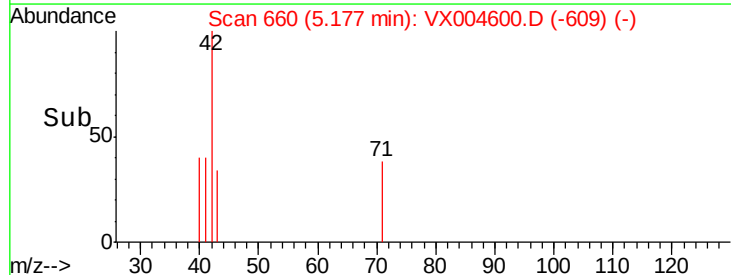
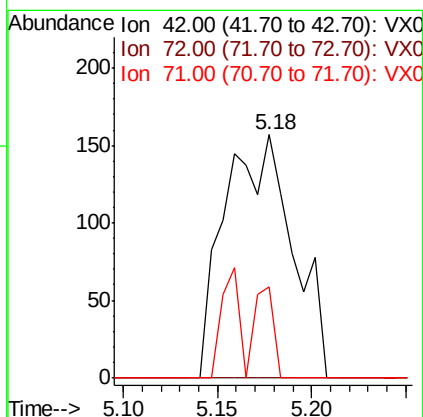
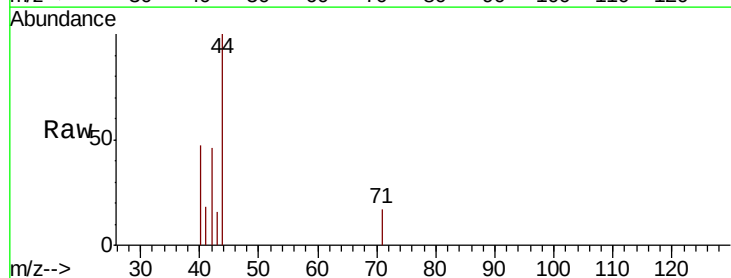
Instrument :
MSVOA_X
ClientSampleId :
VX0915WBL02

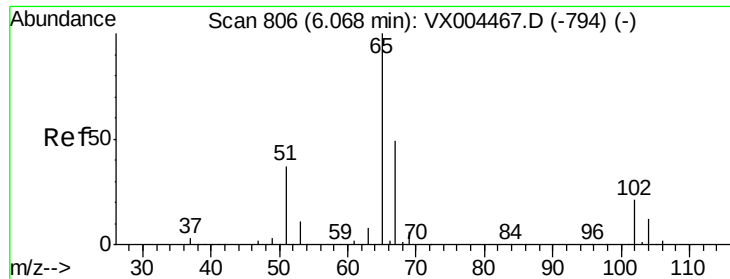
Tot Ion: 84 Resp: 916
Ion Ratio Lower Upper
84 100
49 111.5 101.2 151.8
51 54.9 29.5 44.3#
86 61.6 52.3 78.5



#29
Tetrahydrofuran
Concen: 0.27 ug/l
RT: 5.18 min Scan# 660
Delta R.T. 0.01 min
Lab File: VX004600.D
Acq: 15 Sep 2018 23:06

Tgt Ion: 42 Resp: 393
Ion Ratio Lower Upper
42 100
72 0.0 37.4 56.0#
71 10.4 34.5 51.7#

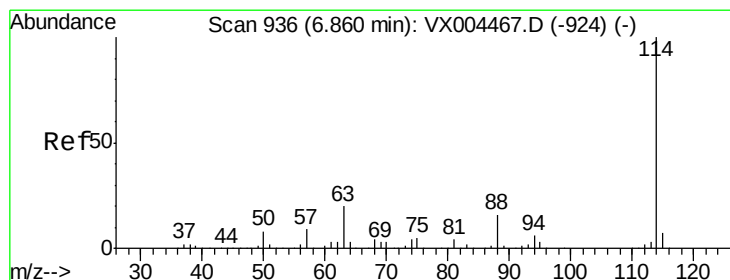
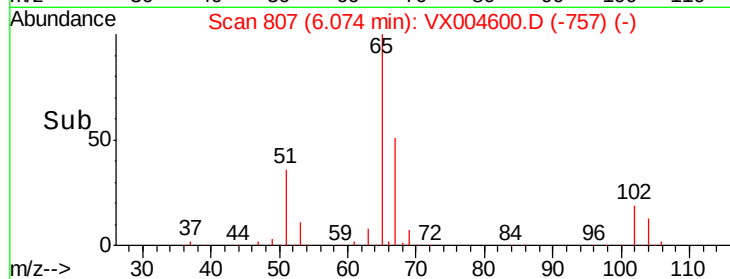
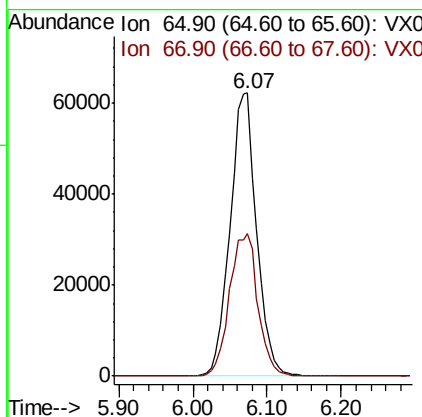
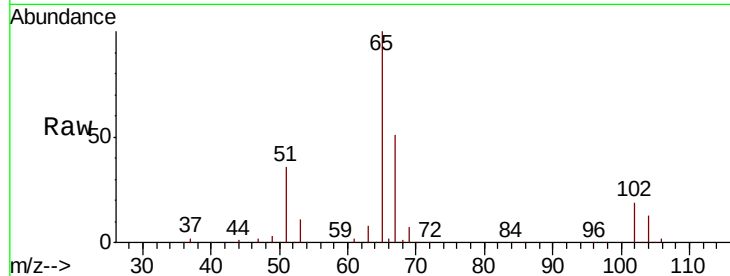




#33
 1,2-Dichloroethane-d4
 Concen: 49.97 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004600.D
 Acq: 15 Sep 2018 23:06

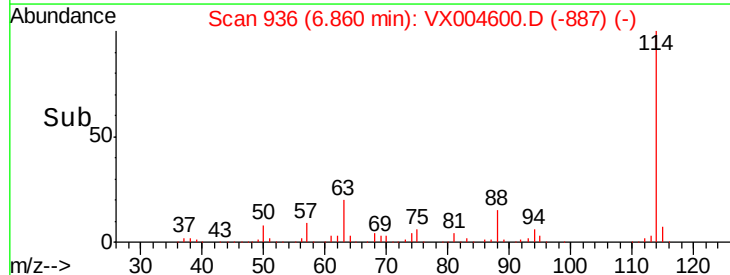
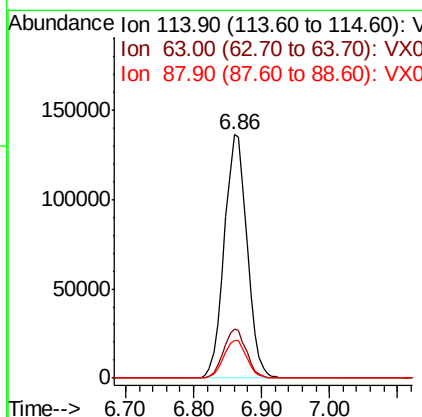
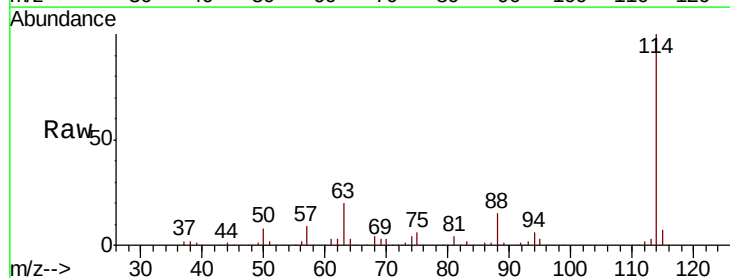
Instrument :
 MSVOA_X
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 VX0915WBL02

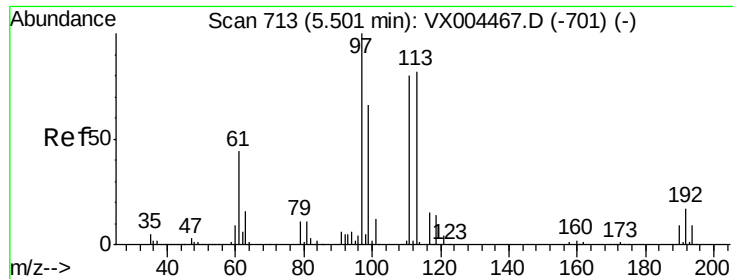
Tot Ion: 65 Resp: 155318
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004600.D
 Acq: 15 Sep 2018 23:06

Tgt Ion: 114 Resp: 318201
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.0
 88 15.2 0.0 30.4

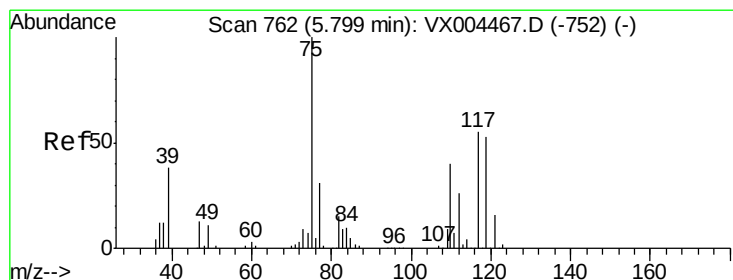
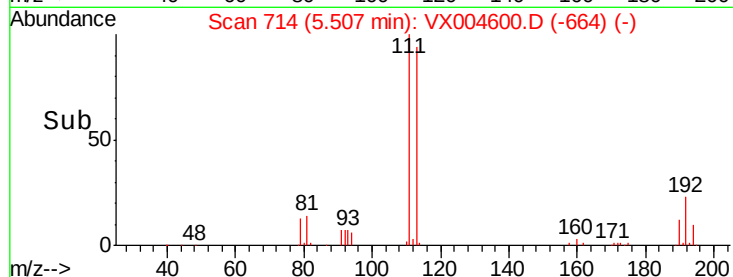
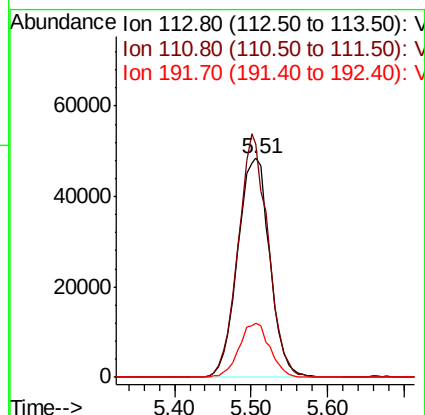
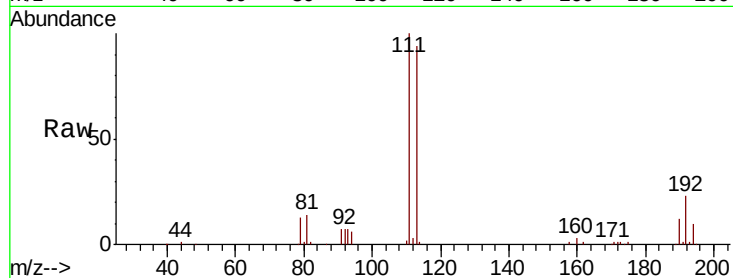




#35
 Dibromofluoromethane
 Concen: 48.53 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004600.D
 Acq: 15 Sep 2018 23:06

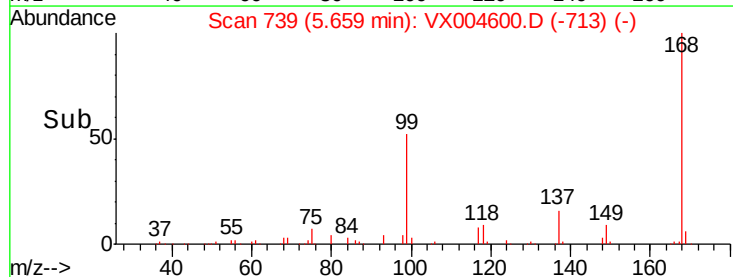
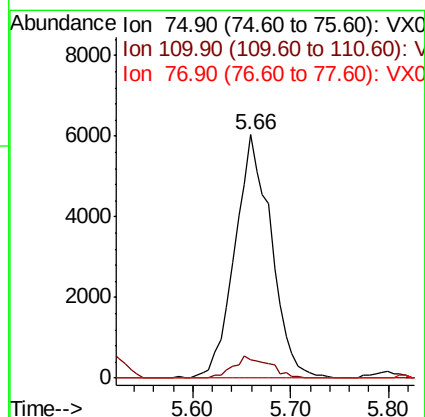
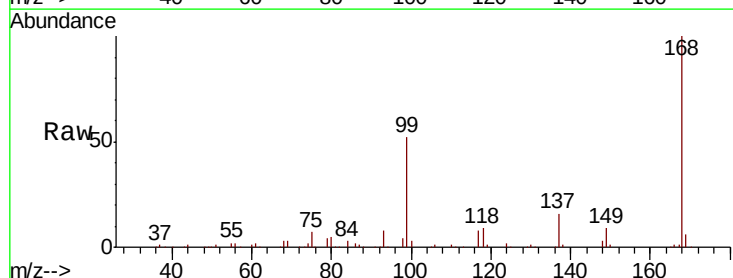
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBL02

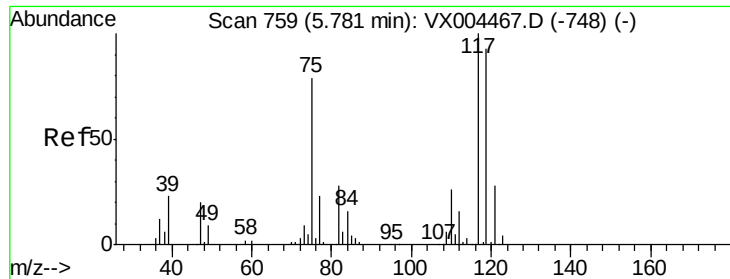
Tot Ion:113 Resp: 141307
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.4 123.6
 192 23.7 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 4.02 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004600.D
 Acq: 15 Sep 2018 23:06

Tgt Ion: 75 Resp: 15546
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.0 54.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.52 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004600.D

Acq: 15 Sep 2018 23:06

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBL02

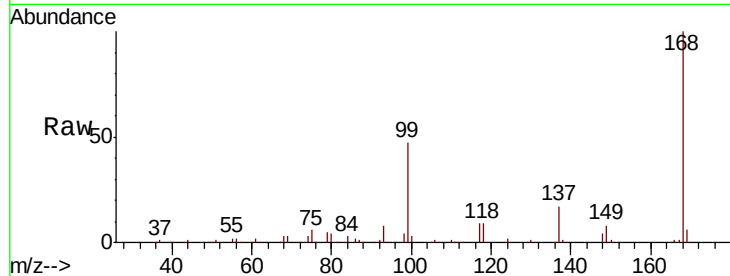
Tot Ion:117 Resp: 20823

Ion Ratio Lower Upper

117 100

119 5.6 78.8 118.2#

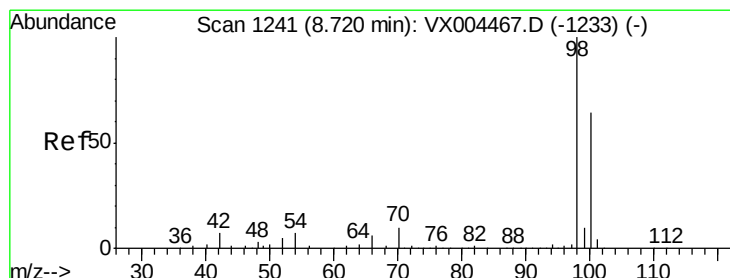
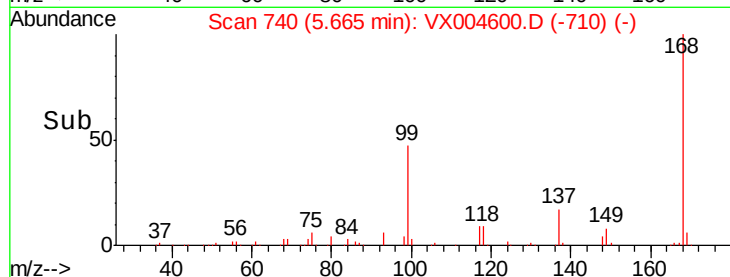
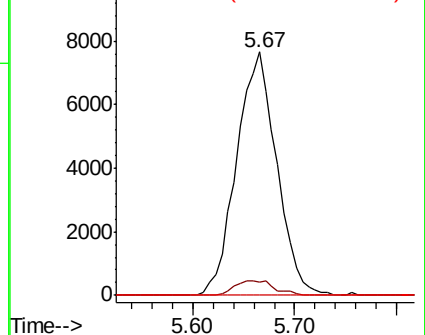
121 0.0 24.9 37.3#



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: 46.43 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004600.D

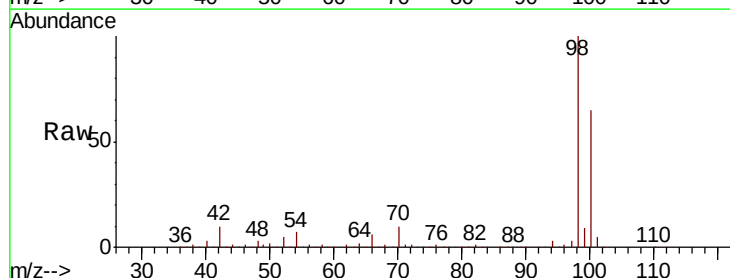
Acq: 15 Sep 2018 23:06

Tgt Ion: 98 Resp: 453388

Ion Ratio Lower Upper

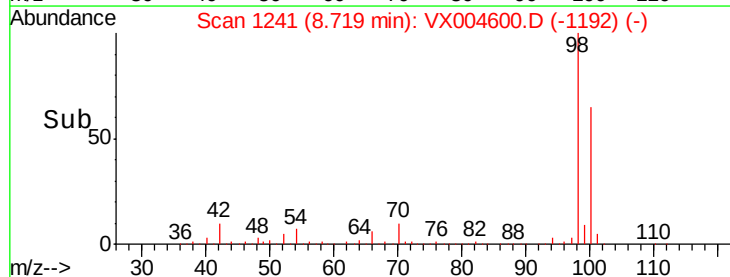
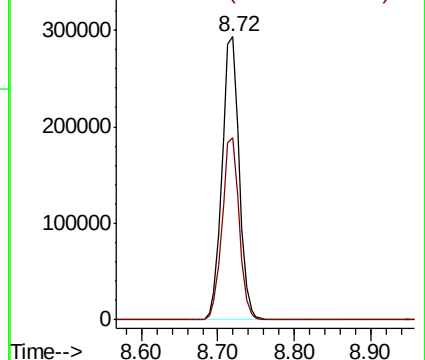
98 100

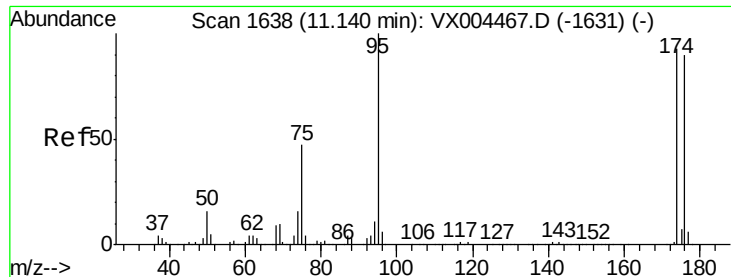
100 64.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

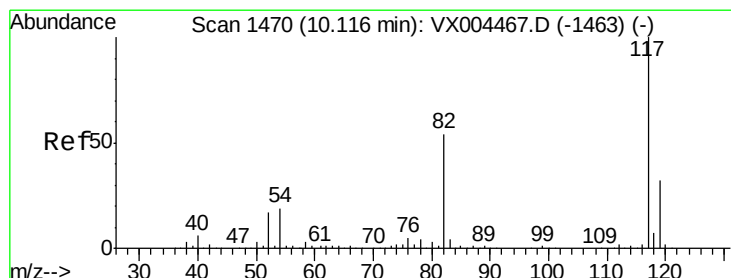
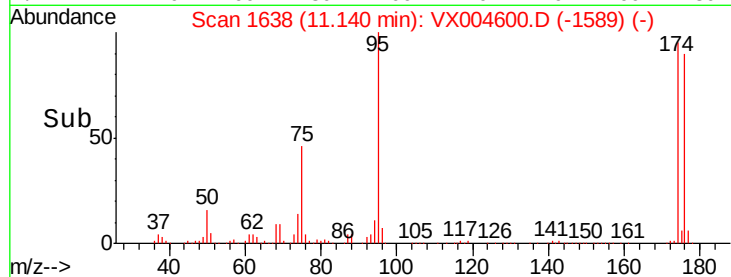
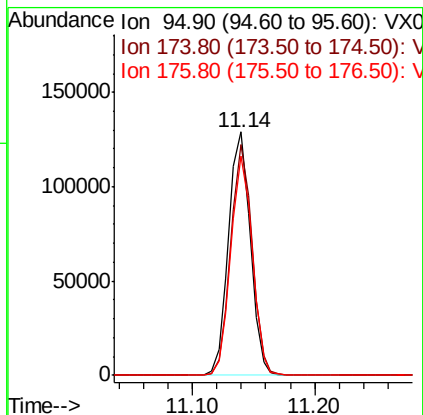
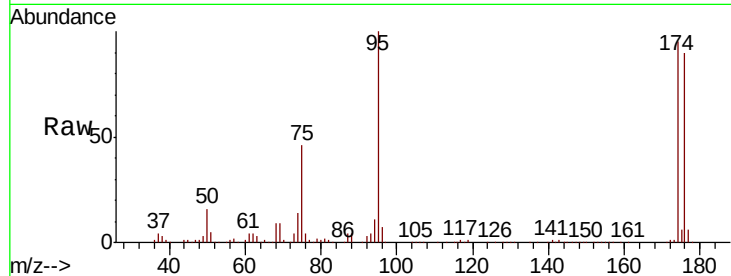




#62
4-Bromofluorobenzene
Concen: 45.53 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004600.D
Acq: 15 Sep 2018 23:06

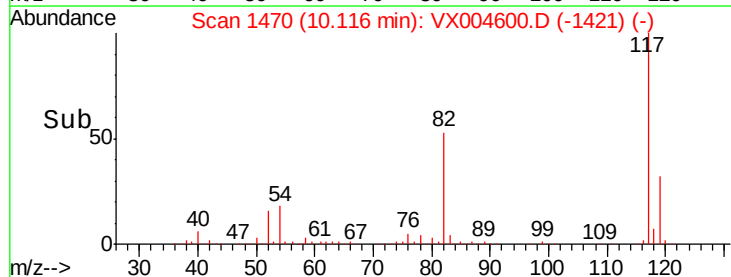
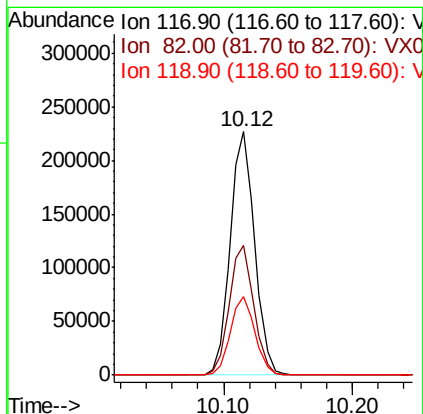
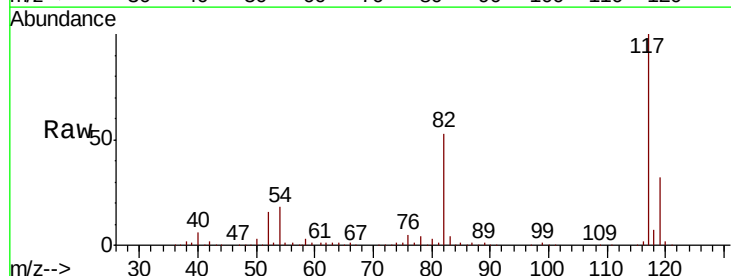
Instrument :
MSVOA_X
ClientSampleId :
VX0915WBL02

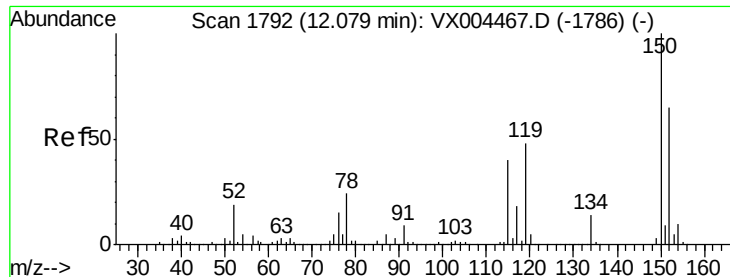
Tot Ion: 95 Resp: 158701
Ion Ratio Lower Upper
95 100
174 93.2 0.0 185.2
176 88.9 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004600.D
Acq: 15 Sep 2018 23:06

Tgt Ion: 117 Resp: 302001
Ion Ratio Lower Upper
117 100
82 53.4 47.8 71.6
119 32.4 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004600.D

Acq: 15 Sep 2018 23:06

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBL02

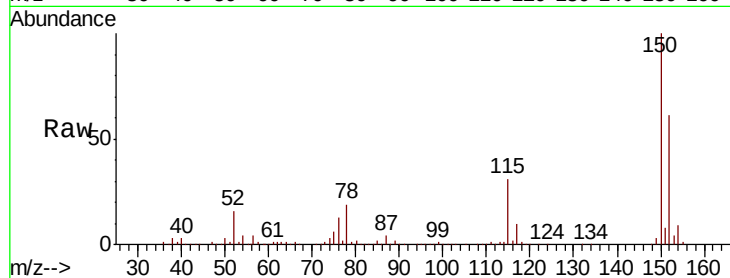
Tot Ion:152 Resp: 191045

Ion Ratio Lower Upper

152 100

115 55.7 39.0 117.0

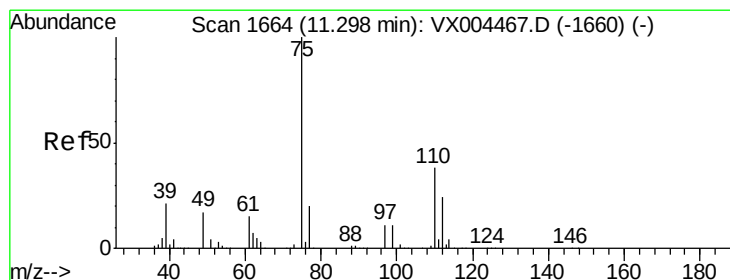
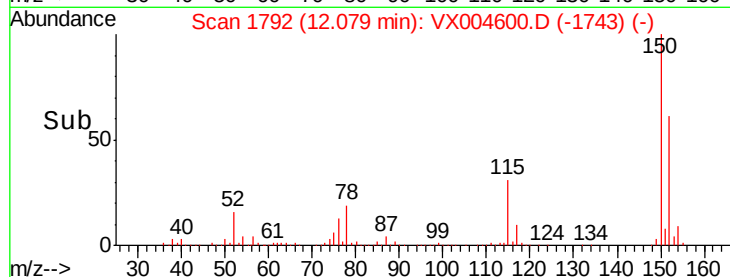
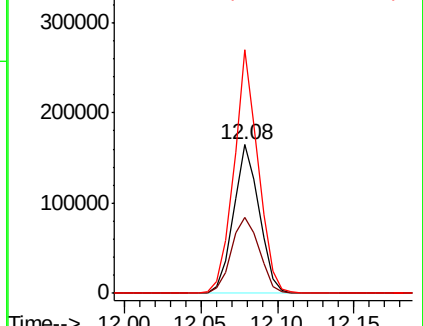
150 154.8 0.0 351.0



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: 19.28 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004600.D

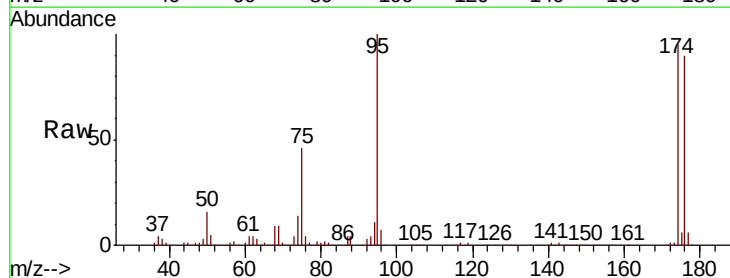
Acq: 15 Sep 2018 23:06

Tgt Ion: 75 Resp: 74093

Ion Ratio Lower Upper

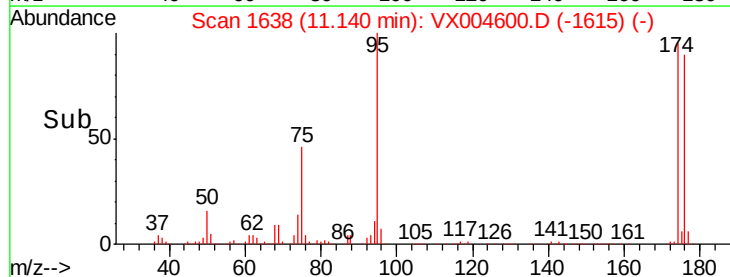
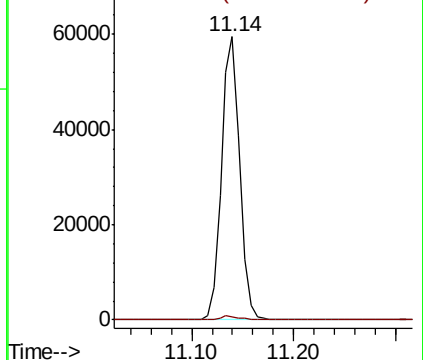
75 100

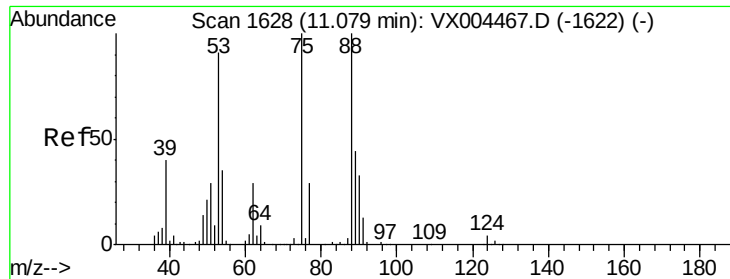
77 1.4 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

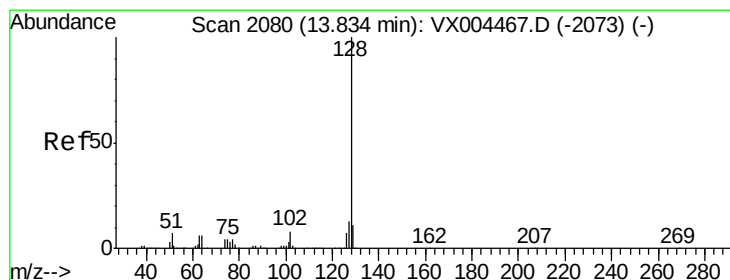
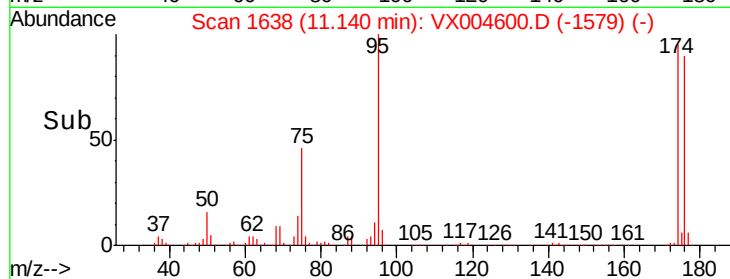
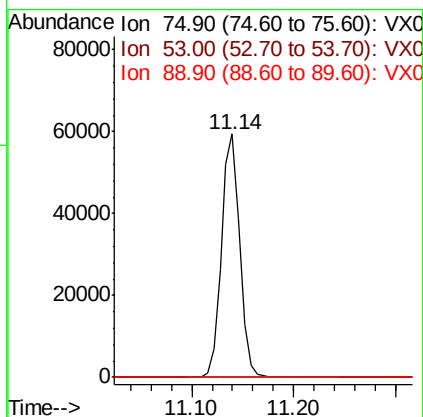
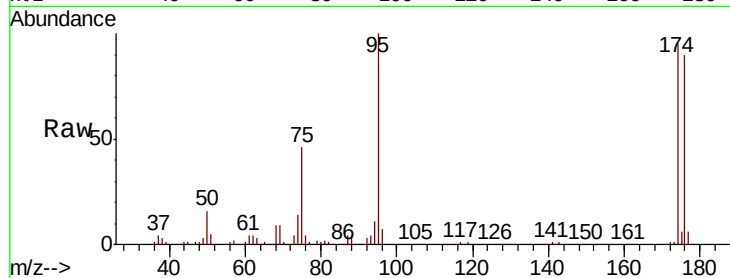




#81
trans-1,4-Dichloro-2-butene
Concen: 61.44 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX004600.D
Acq: 15 Sep 2018 23:06

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBL02

Tot Ion: 75 Resp: 74093
Ion Ratio Lower Upper
75 100
53 0.2 80.1 120.1#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.74 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004600.D
Acq: 15 Sep 2018 23:06

Tgt Ion: 128 Resp: 9613
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.2
129 9.5 8.6 12.8

