

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091218\
 Data File : VX004486.D
 Acq On : 12 Sep 2018 11:26
 Operator : JC/MD
 Sample : VX0912MBL01
 Misc : 5.00µL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBL01

Quant Time: Sep 13 00:58:21 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	5.67	168	196829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	309252	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	300166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	163070	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	140888	55.51	ug/l	0.00
Spiked Amount			Recovery	=	111.02%	
35) Dibromofluoromethane	5.50	113	124249	43.91	ug/l	0.00
Spiked Amount			Recovery	=	87.82%	
50) Toluene-d8	8.72	98	451436	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
62) 4-Bromofluorobenzene	11.14	95	154446	45.59	ug/l	0.00
Spiked Amount			Recovery	=	91.18%	

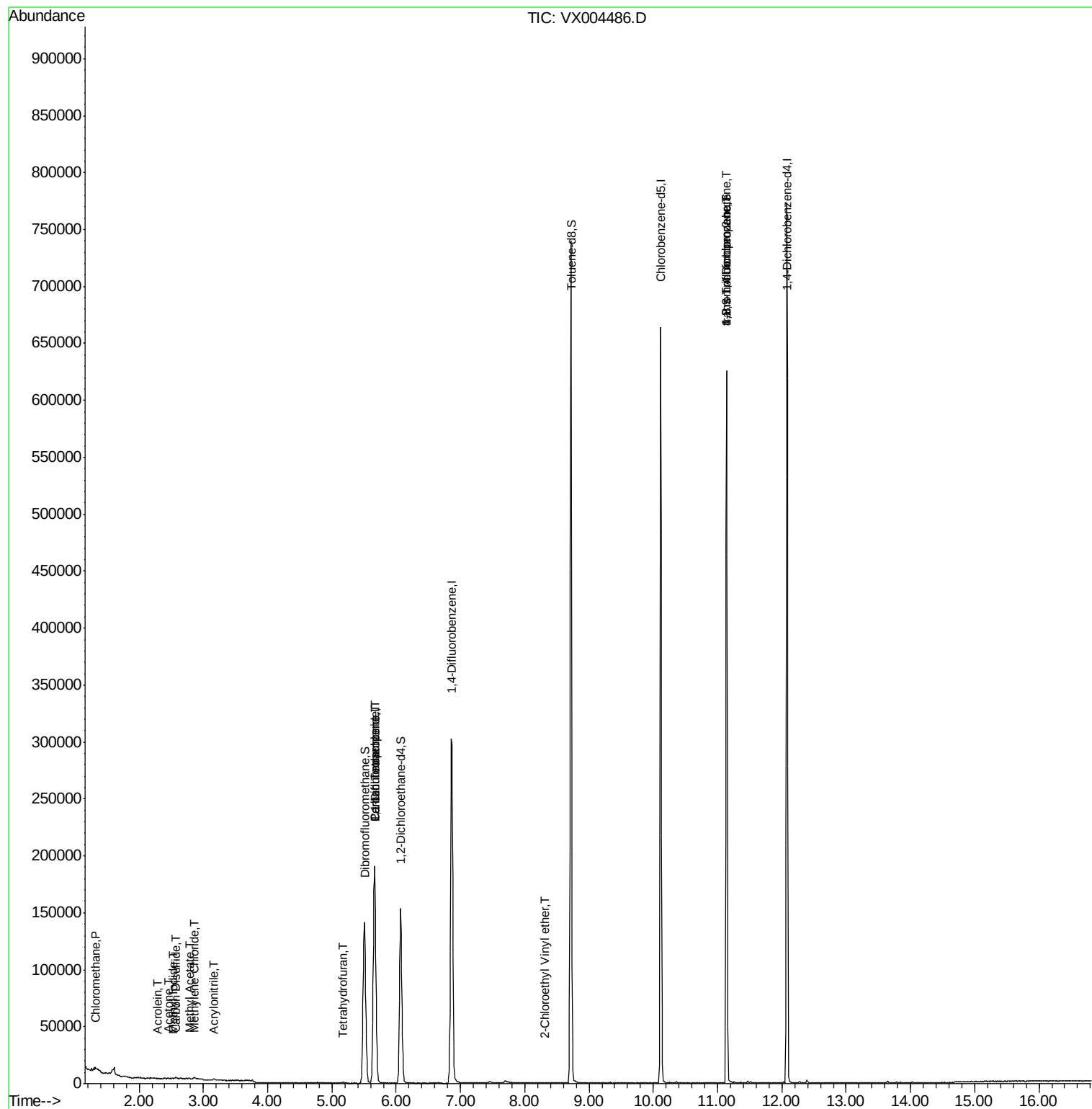
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	685	0.27	ug/l	# 73
5) Bromomethane	1.64	94	973	Below	Cal	97
10) Methyl Iodide	2.52	142	485	4.43	ug/l	# 88
13) Acrolein	2.29	56	204	0.85	ug/l	# 19
15) Acrylonitrile	3.16	53	322	0.22	ug/l	# 24
16) Acetone	2.45	43	400	0.32	ug/l	# 18
17) Carbon Disulfide	2.56	76	1565	0.26	ug/l	# 90
18) Methyl Acetate	2.78	43	781	0.22	ug/l	# 85
20) Methylene Chloride	2.86	84	546	0.21	ug/l	# 71
29) Tetrahydrofuran	5.17	42	780	0.66	ug/l	# 79
36) 1,1-Dichloropropene	5.67	75	13602	3.62	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	17159	4.68	ug/l	# 16
58) 2-Chloroethyl Vinyl ether	8.32	63	19	7.28	ug/l	# 45
76) 1,2,3-Trichloropropane	11.14	75	74611	22.74	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.14	75	74611	72.49	ug/l	# 10

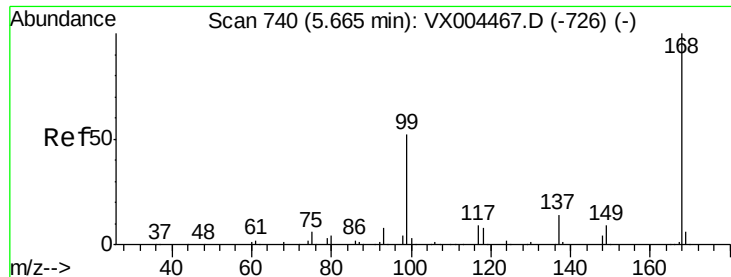
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004486.D

Acq: 12 Sep 2018 11:26

Instrument :

MSVOA_X

ClientSampleId :

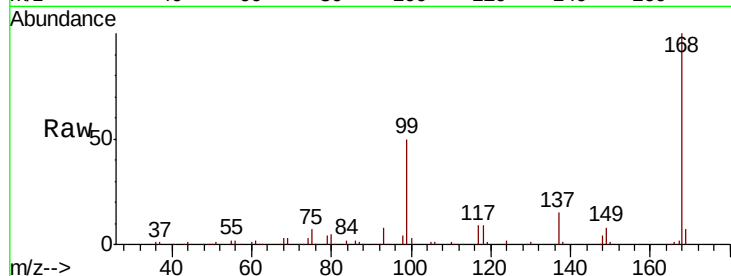
VX0912MBL01

Tot Ion:168 Resp: 196829

Ion Ratio Lower Upper

168 100

99 50.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

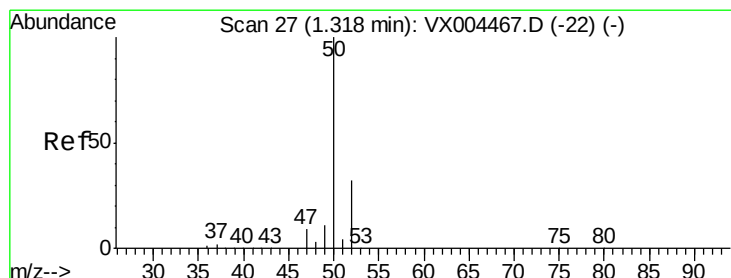
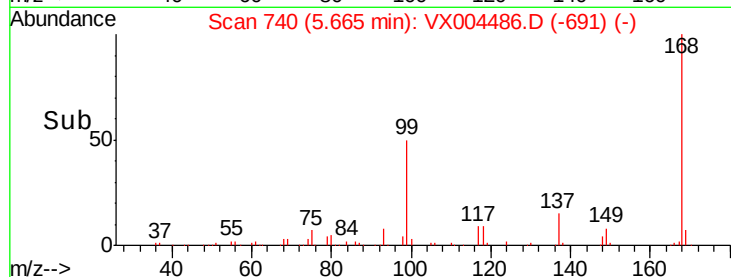
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.27 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004486.D

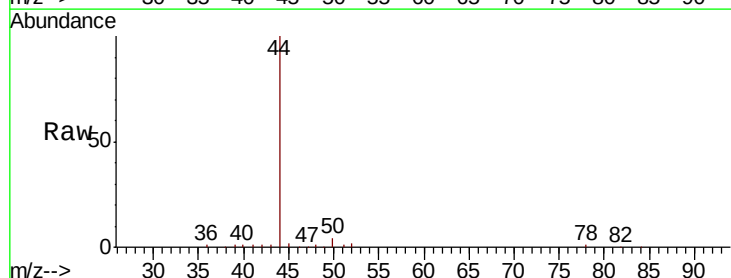
Acq: 12 Sep 2018 11:26

Tgt Ion: 50 Resp: 685

Ion Ratio Lower Upper

50 100

52 48.2 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

600

500

400

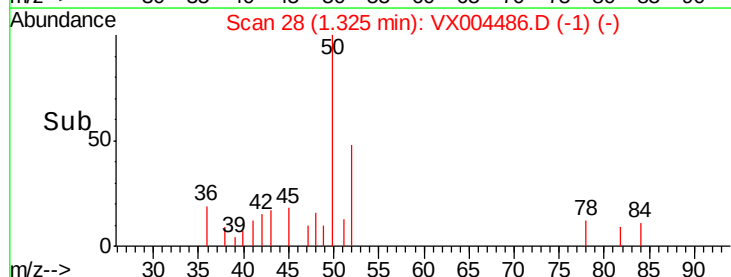
300

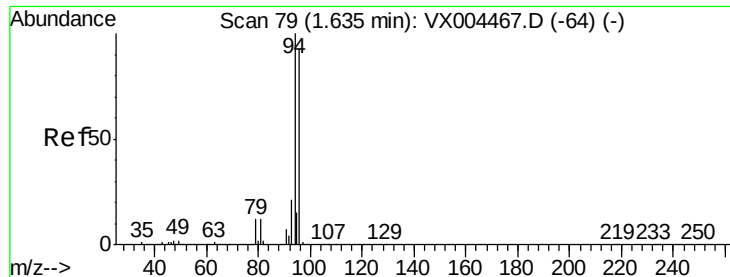
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004486.D

Acq: 12 Sep 2018 11:26

Instrument :

MSVOA_X

ClientSampled :

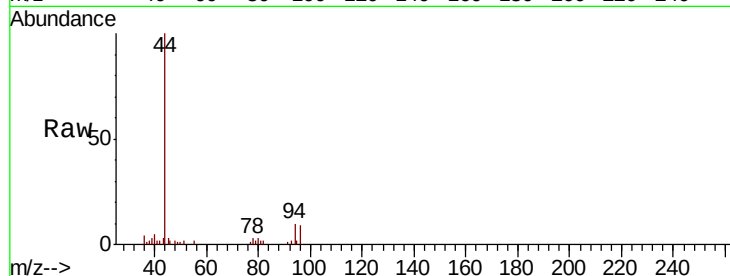
VX0912MBL01

Tot Ion: 94 Resp: 973

Ion Ratio Lower Upper

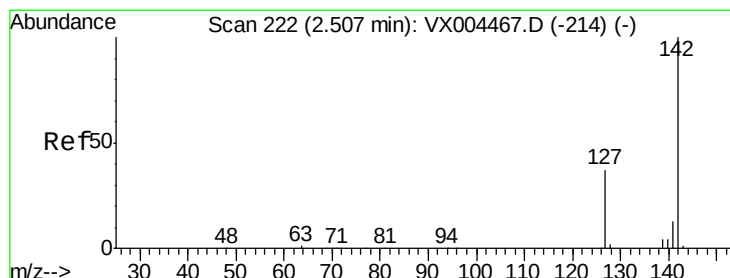
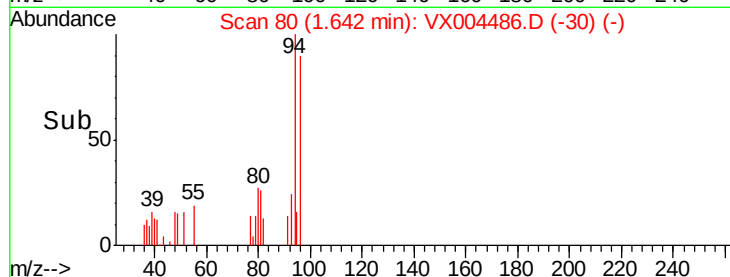
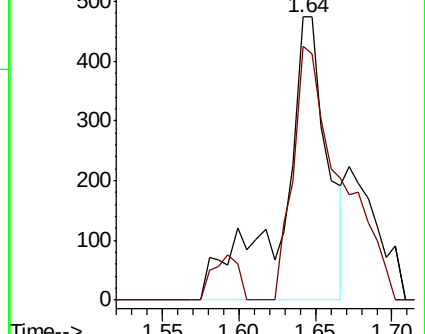
94 100

96 89.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.43 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX004486.D

Acq: 12 Sep 2018 11:26

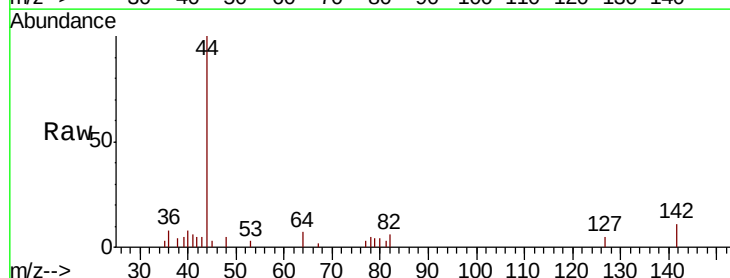
Tgt Ion: 142 Resp: 485

Ion Ratio Lower Upper

142 100

127 39.8 33.8 50.6

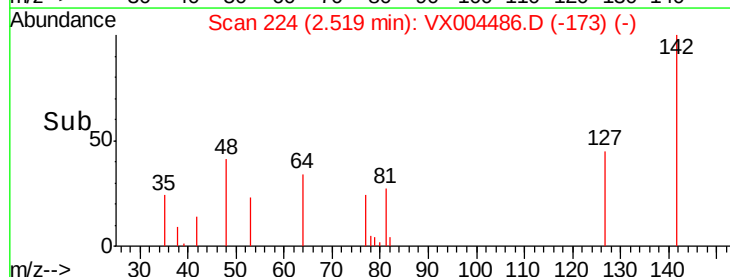
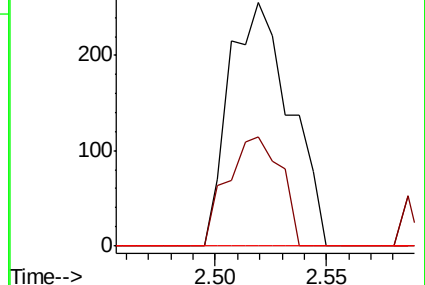
141 0.0 11.4 17.0#

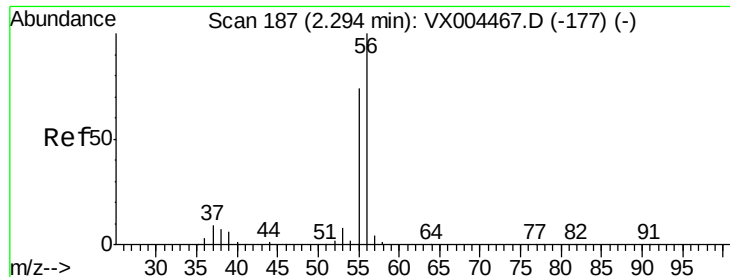


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.85 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004486.D

Acq: 12 Sep 2018 11:26

Instrument :

MSVOA_X

ClientSampleId :

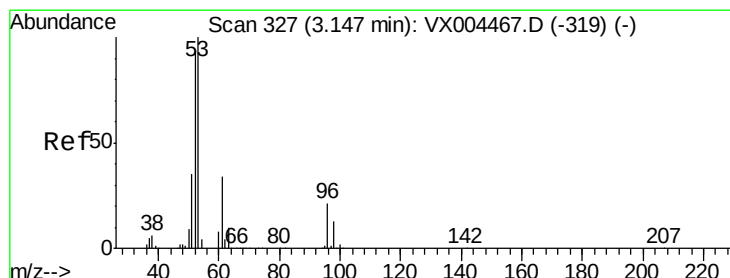
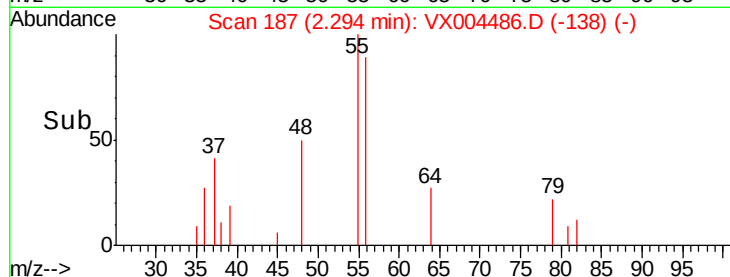
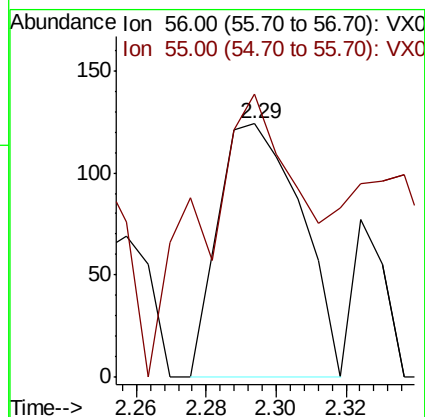
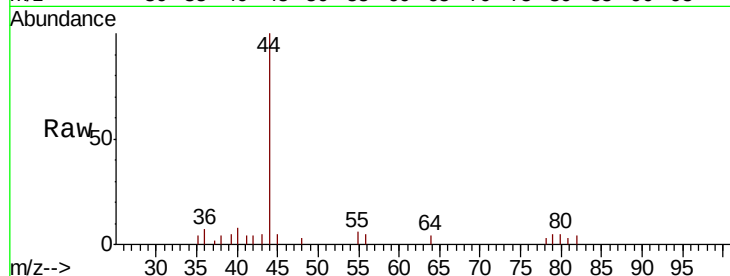
VX0912MBL01

Tot Ion: 56 Resp: 204

Ion Ratio Lower Upper

56 100

55 133.8 54.7 82.1#



#15

Acrylonitrile

Concen: 0.22 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX004486.D

Acq: 12 Sep 2018 11:26

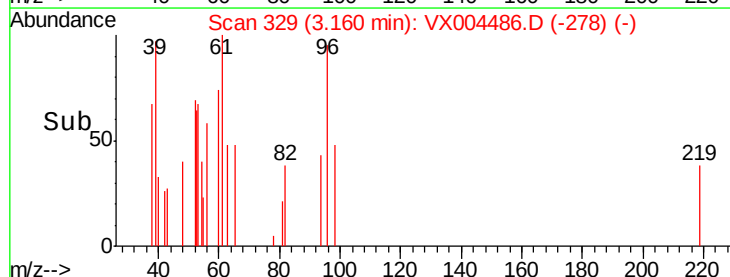
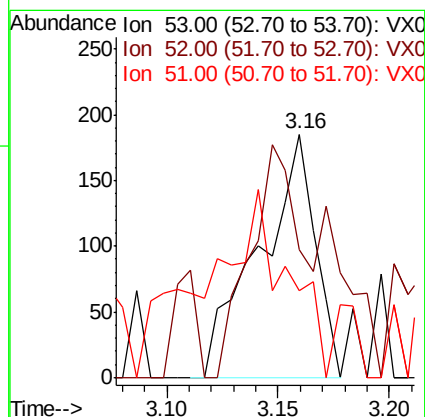
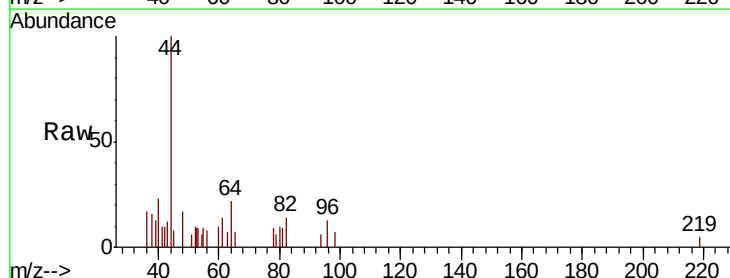
Tgt Ion: 53 Resp: 322

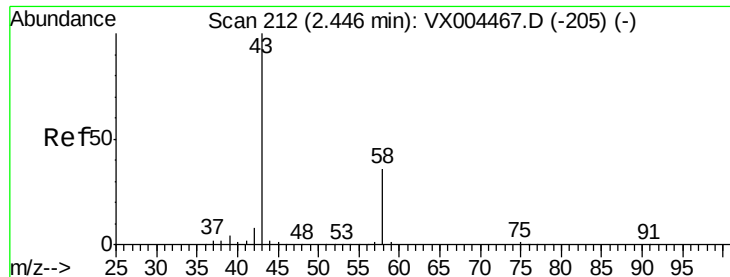
Ion Ratio Lower Upper

53 100

52 0.0 65.2 97.8#

51 12.4 28.2 42.2#





#16

Acetone

Concen: 0.32 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX004486.D

Acq: 12 Sep 2018 11:26

Instrument :

MSVOA_X

ClientSampled :

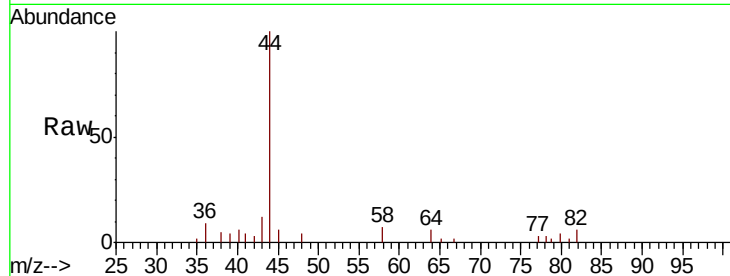
VX0912MBL01

Tot Ion: 43 Resp: 400

Ion Ratio Lower Upper

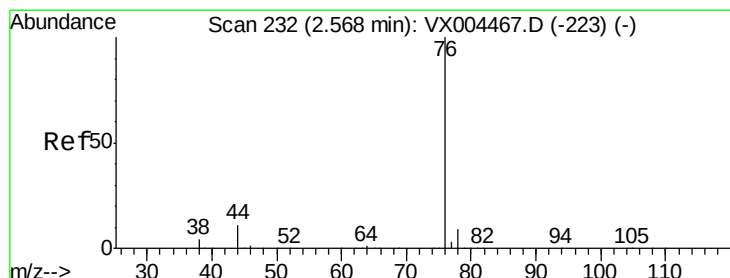
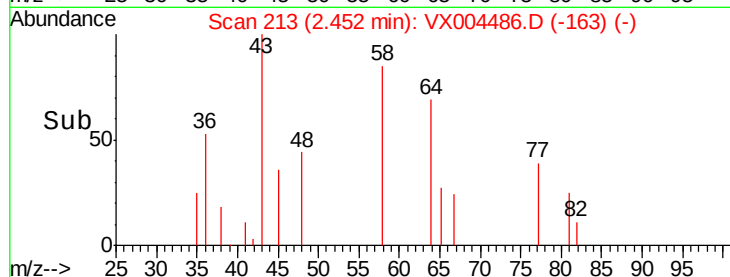
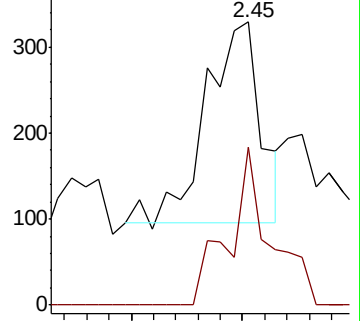
43 100

58 79.0 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.26 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX004486.D

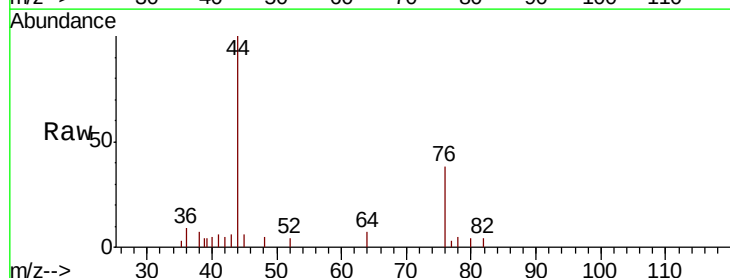
Acq: 12 Sep 2018 11:26

Tgt Ion: 76 Resp: 1565

Ion Ratio Lower Upper

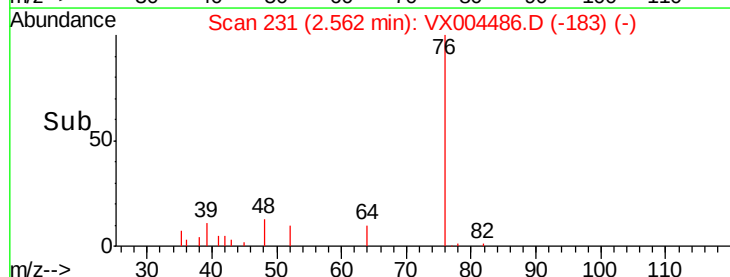
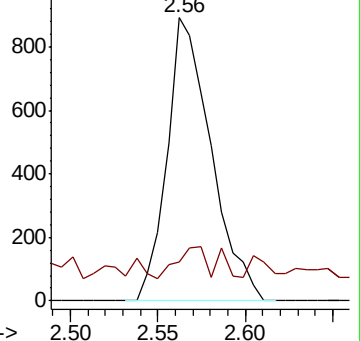
76 100

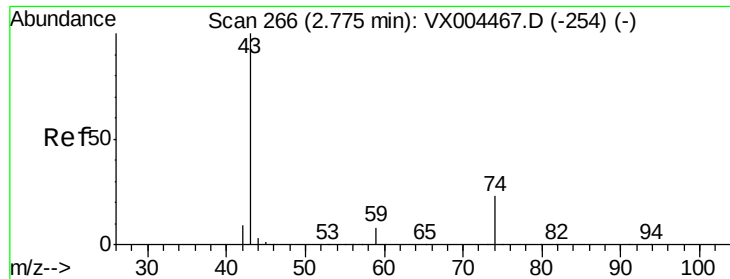
78 5.3 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

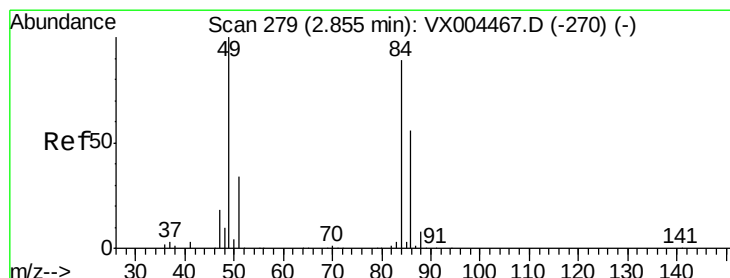
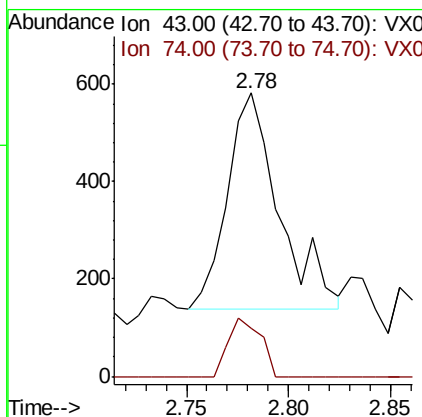
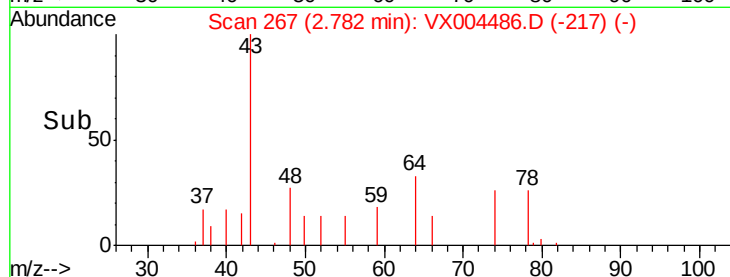
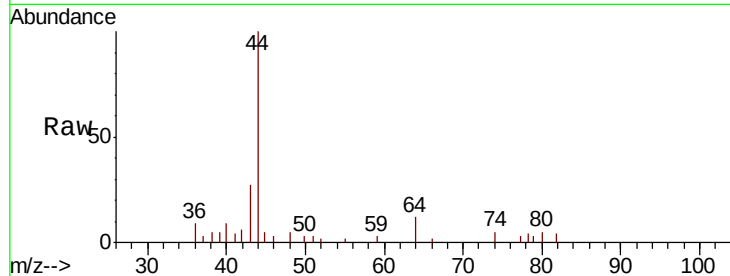




#18
Methyl Acetate
Concen: 0.22 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX004486.D
Acq: 12 Sep 2018 11:26

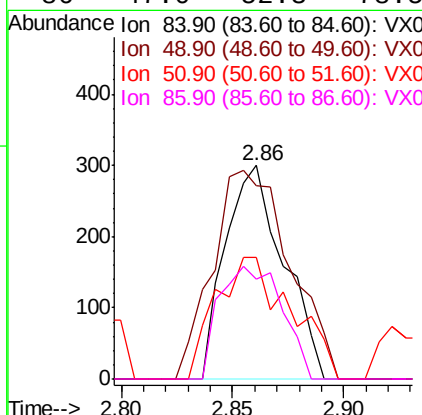
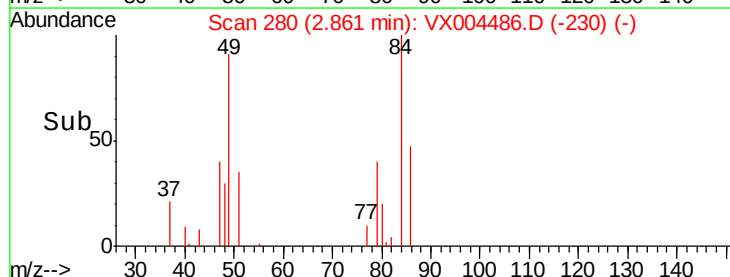
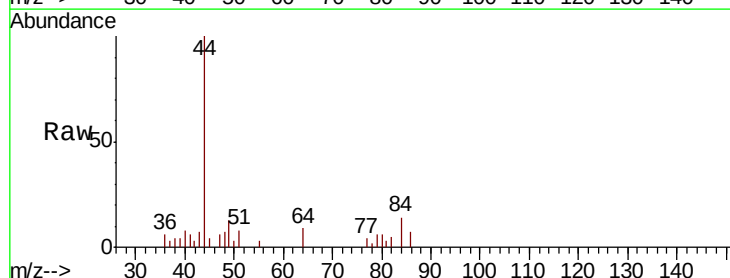
Instrument :
MSVOA_X
ClientSampleId :
VX0912MBL01

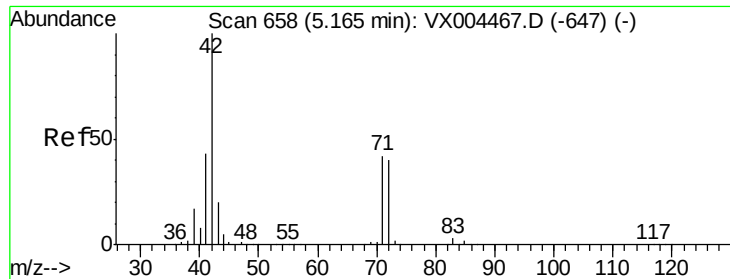
Tot Ion: 43 Resp: 781
Ion Ratio Lower Upper
43 100
74 16.9 19.4 29.2#



#20
Methylene Chloride
Concen: 0.21 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004486.D
Acq: 12 Sep 2018 11:26

Tgt Ion: 84 Resp: 546
Ion Ratio Lower Upper
84 100
49 90.7 101.2 151.8#
51 57.0 29.5 44.3#
86 47.0 52.3 78.5#





#29

Tetrahydrofuran

Concen: 0.66 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX004486.D

Acq: 12 Sep 2018 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBL01

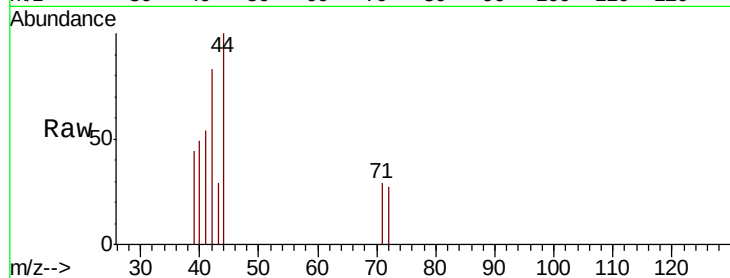
Tot Ion: 42 Resp: 780

Ion Ratio Lower Upper

42 100

72 32.3 37.4 56.0#

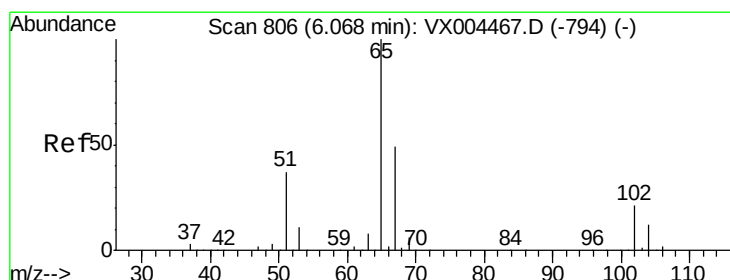
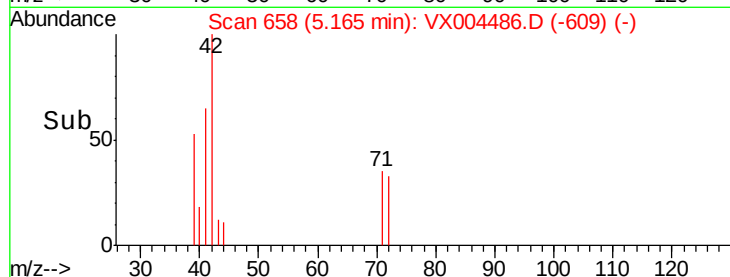
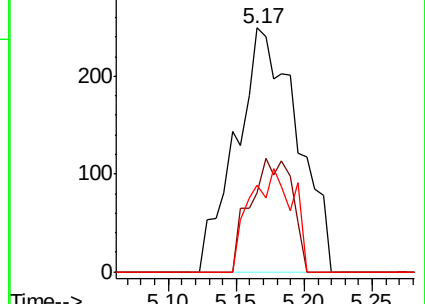
71 29.9 34.5 51.7#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 55.51 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004486.D

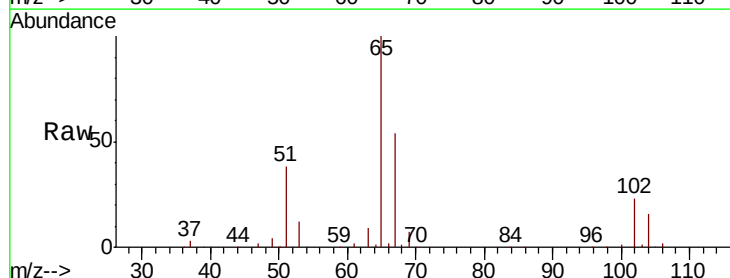
Acq: 12 Sep 2018 11:26

Tgt Ion: 65 Resp: 140888

Ion Ratio Lower Upper

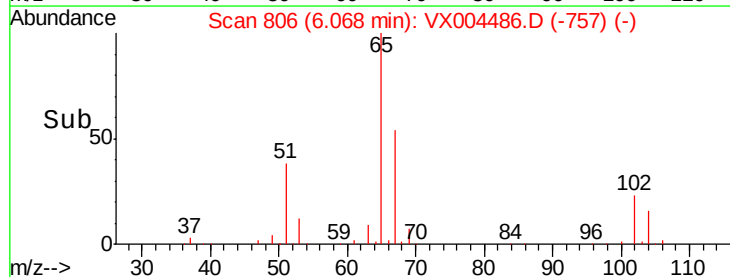
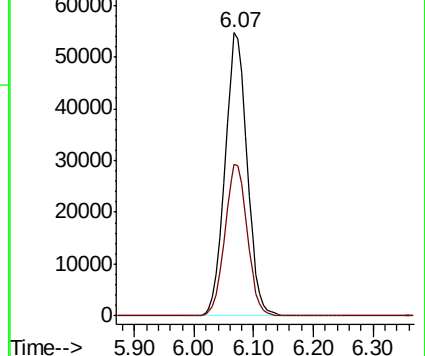
65 100

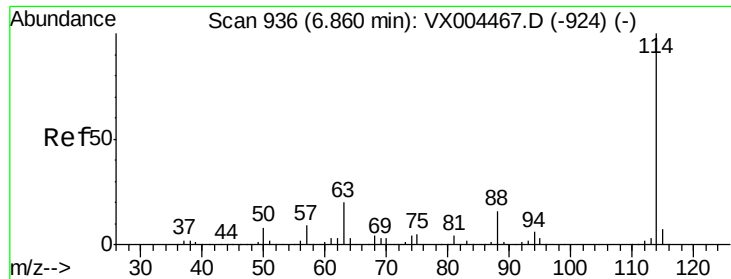
67 54.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

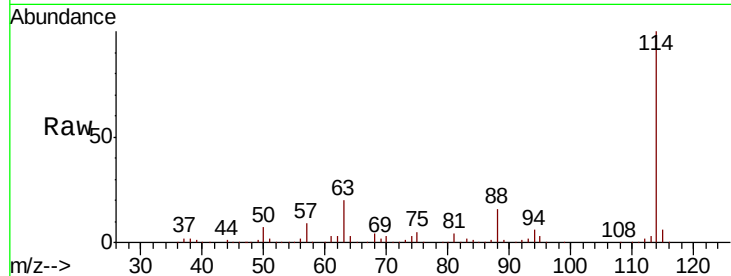




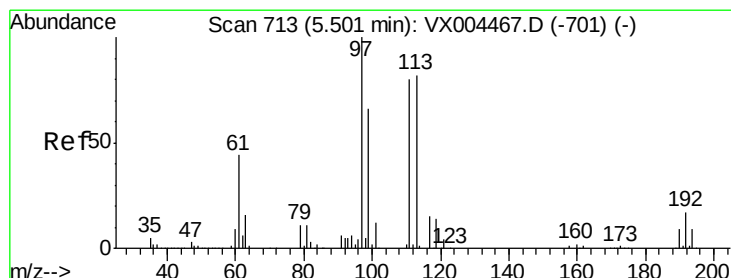
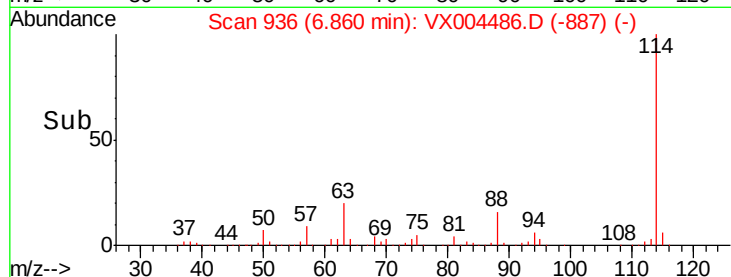
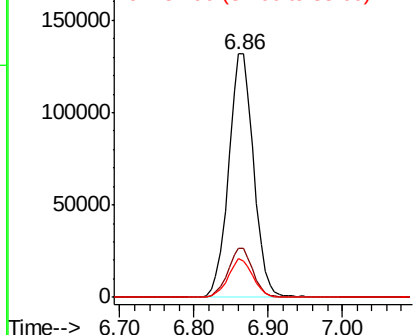
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004486.D
 Acq: 12 Sep 2018 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBL01

Tot Ion:114 Resp: 309252
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.0
 88 16.0 0.0 30.4

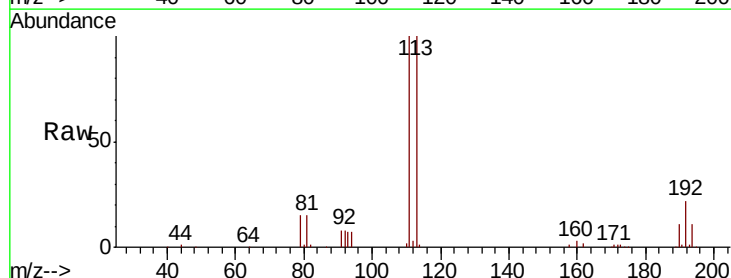


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

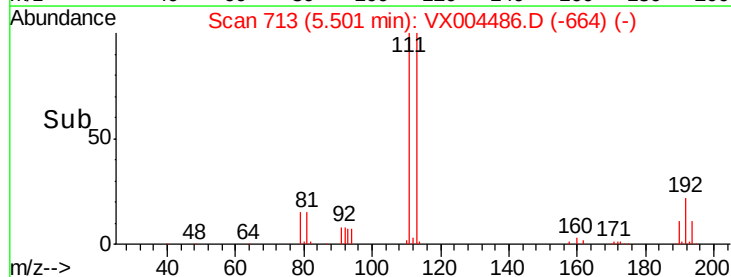
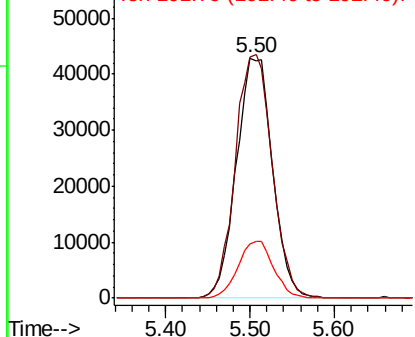


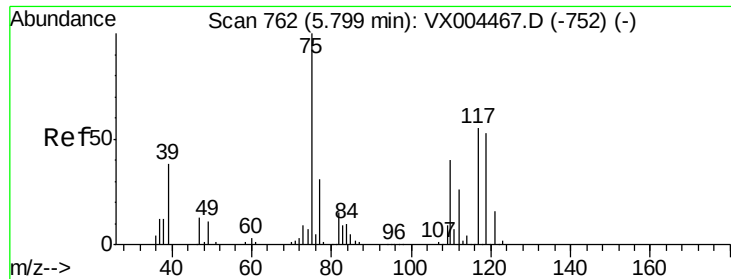
#35
 Dibromofluoromethane
 Concen: 43.91 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004486.D
 Acq: 12 Sep 2018 11:26

Tgt Ion:113 Resp: 124249
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.4 123.6
 192 23.3 19.4 29.2



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: 3.62 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX004486.D

Acq: 12 Sep 2018 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBL01

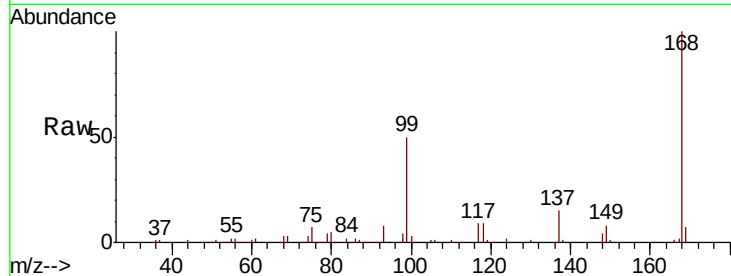
Tot Ion: 75 Resp: 13602

Ion Ratio Lower Upper

75 100

110 9.3 18.0 54.0#

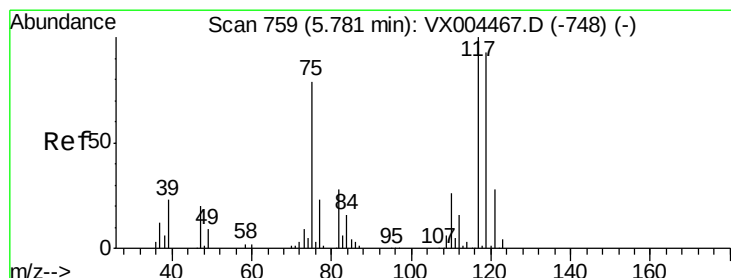
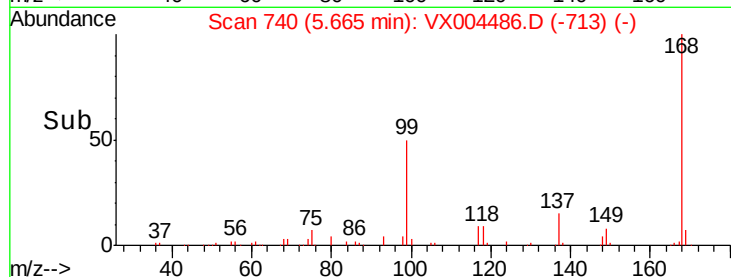
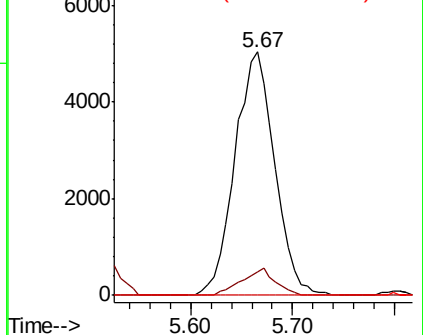
77 0.0 24.6 36.8#



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: 4.68 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004486.D

Acq: 12 Sep 2018 11:26

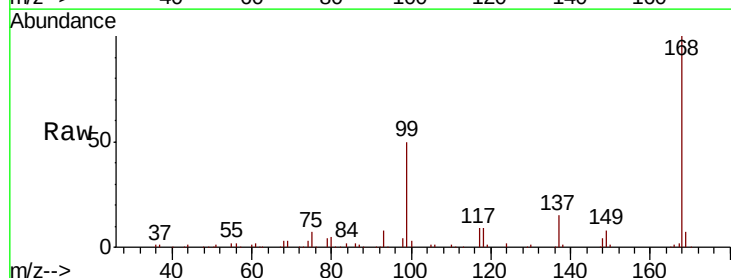
Tgt Ion: 117 Resp: 17159

Ion Ratio Lower Upper

117 100

119 7.1 78.8 118.2#

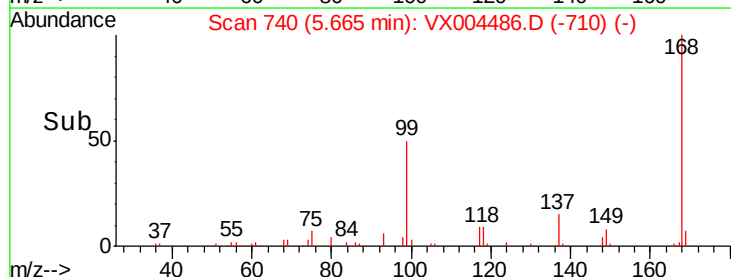
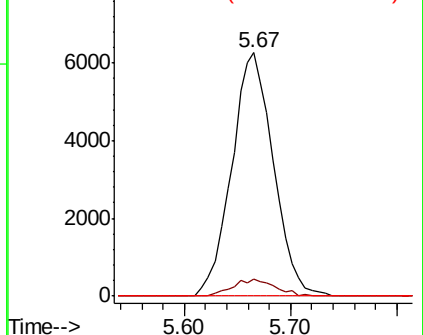
121 0.0 24.9 37.3#

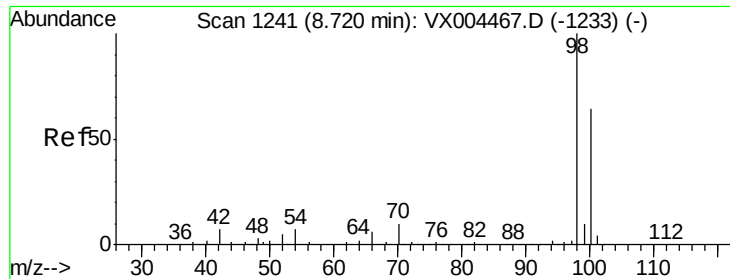


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

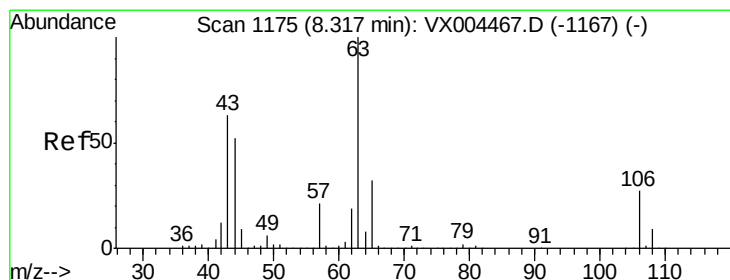
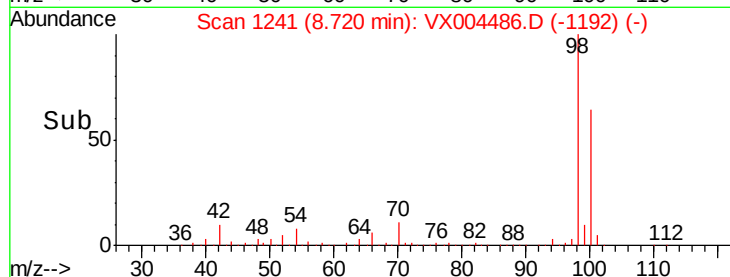
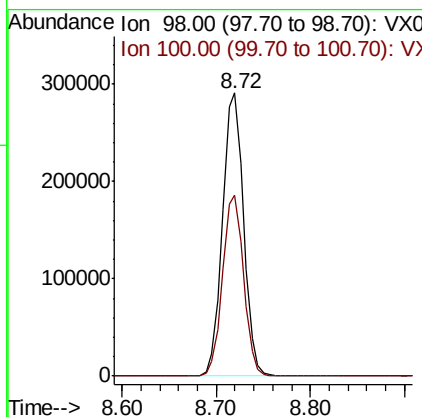
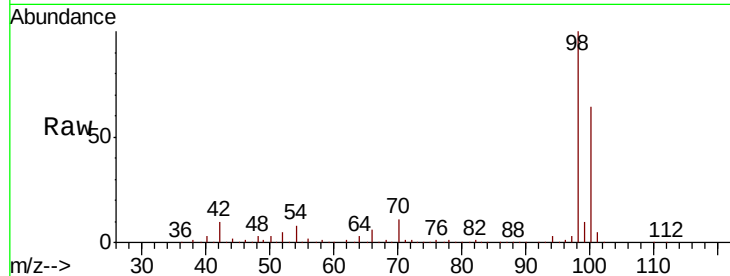




#50
Toluene-d8
Concen: 47.57 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004486.D
Acq: 12 Sep 2018 11:26

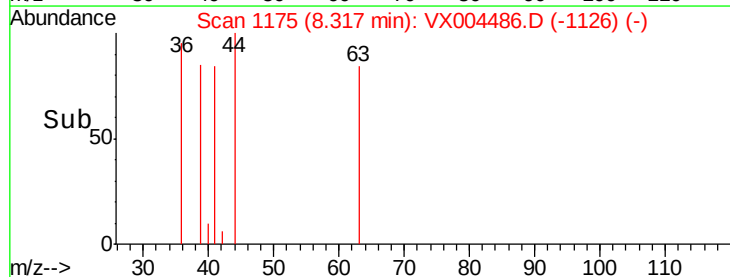
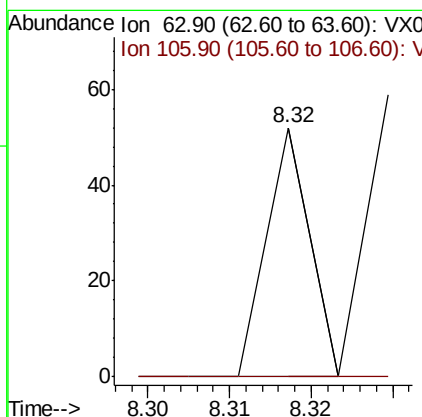
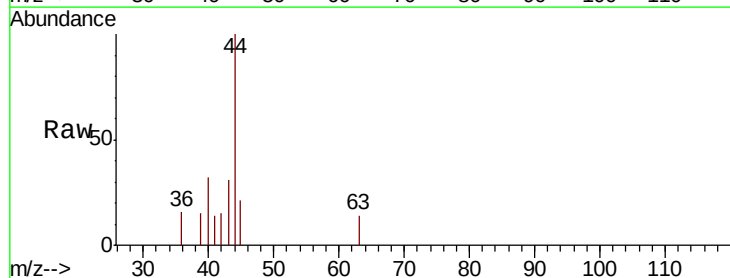
Instrument :
MSVOA_X
ClientSampleId :
VX0912MBL01

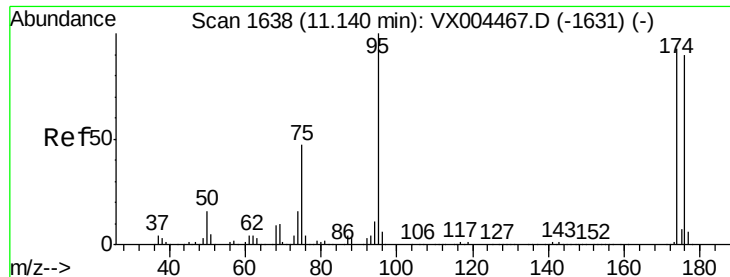
Tot Ion: 98 Resp: 451436
Ion Ratio Lower Upper
98 100
100 63.6 52.9 79.3



#58
2-Chloroethyl Vinyl ether
Concen: 7.28 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VX004486.D
Acq: 12 Sep 2018 11:26

Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

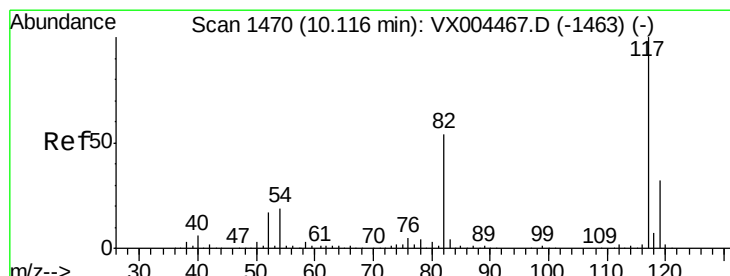
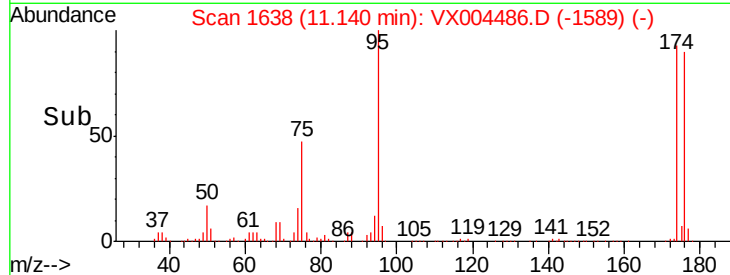
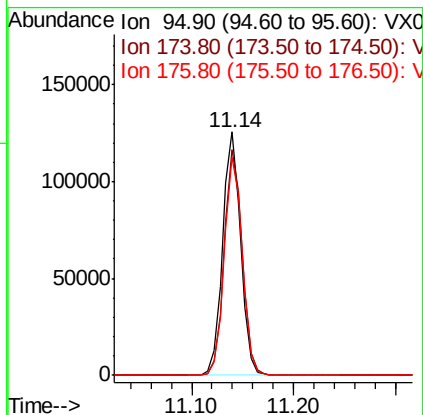
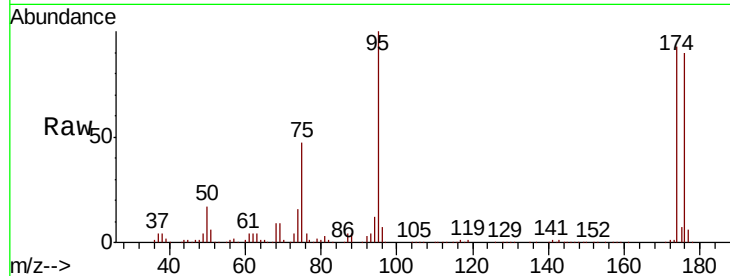




#62
4-Bromofluorobenzene
Concen: 45.59 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004486.D
Acq: 12 Sep 2018 11:26

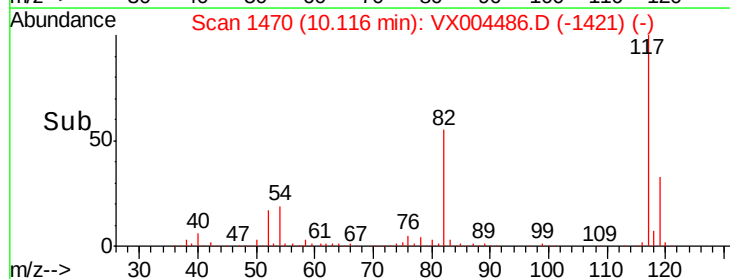
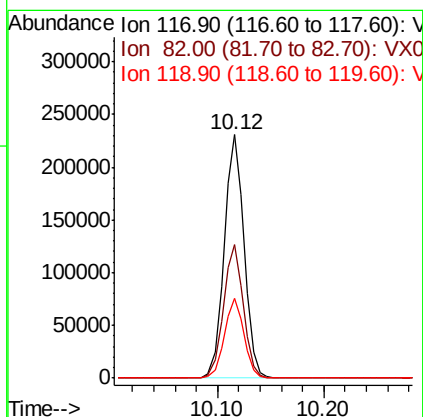
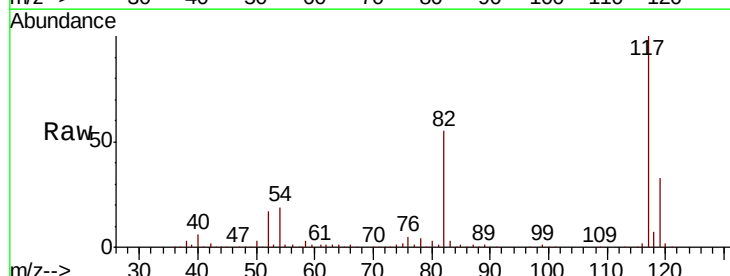
Instrument :
MSVOA_X
ClientSampleId :
VX0912MBL01

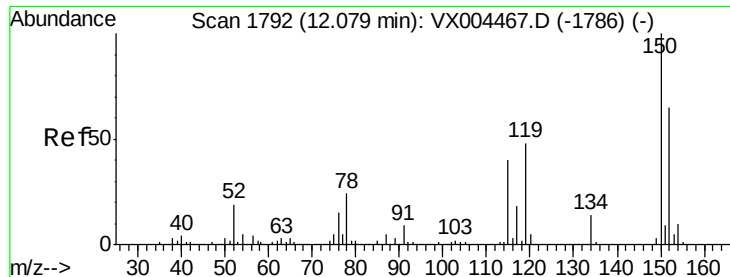
Tot Ion: 95 Resp: 154446
Ion Ratio Lower Upper
95 100
174 93.1 0.0 185.2
176 89.8 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004486.D
Acq: 12 Sep 2018 11:26

Tgt Ion: 117 Resp: 300166
Ion Ratio Lower Upper
117 100
82 54.6 47.8 71.6
119 32.9 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: VX004486.D

Acq: 12 Sep 2018 11:26

Instrument :

MSVOA_X

ClientSampled :

VX0912MBL01

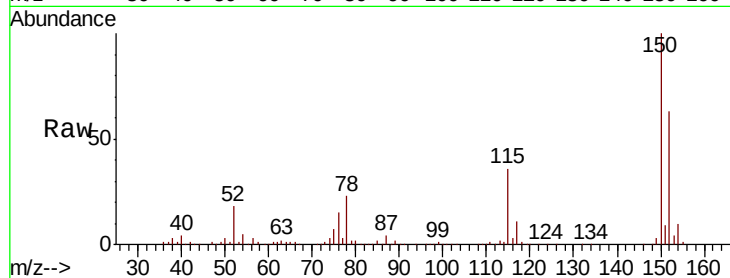
Tot Ion:152 Resp: 163070

Ion Ratio Lower Upper

152 100

115 55.2 39.0 117.0

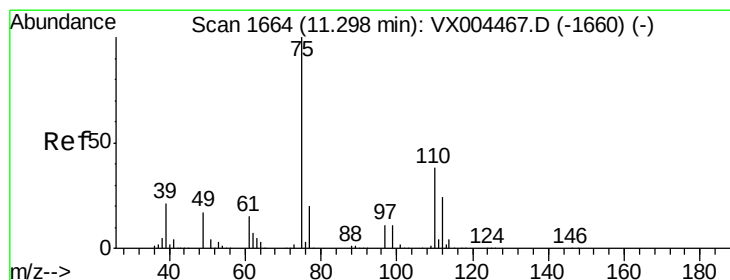
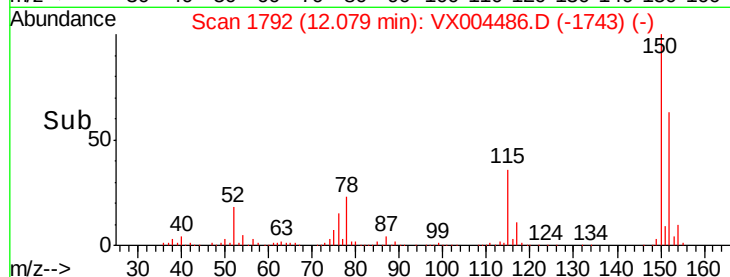
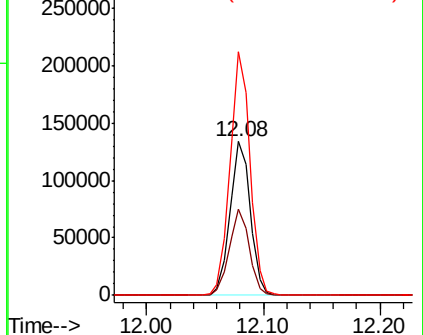
150 155.9 0.0 351.0



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: 22.74 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004486.D

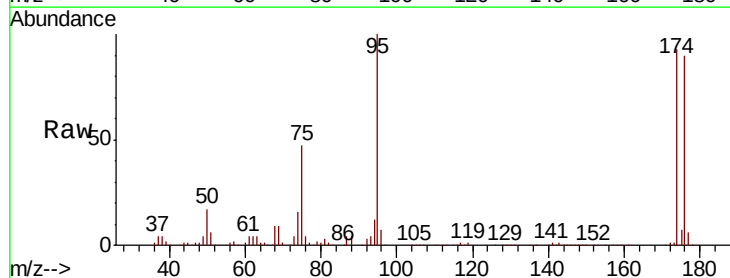
Acq: 12 Sep 2018 11:26

Tgt Ion: 75 Resp: 74611

Ion Ratio Lower Upper

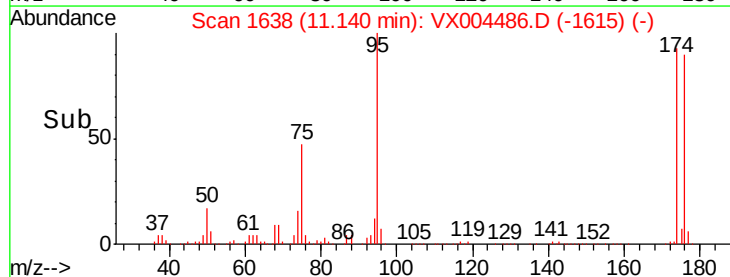
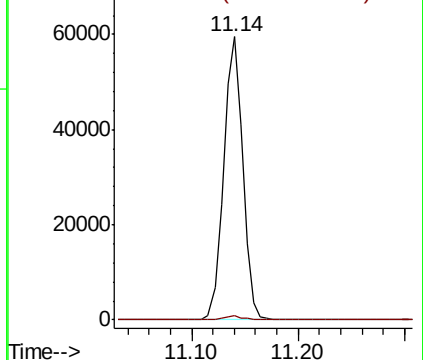
75 100

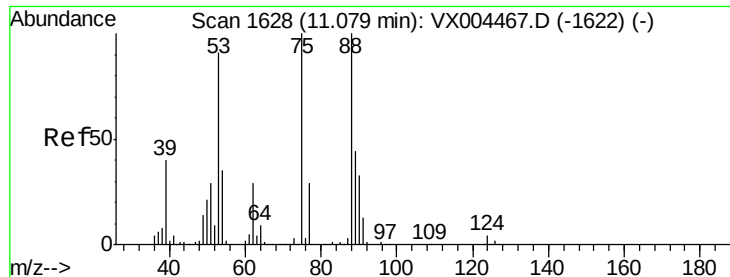
77 1.4 20.2 60.6#



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: 72.49 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004486.D

Acq: 12 Sep 2018 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBL01

Tot Ion: 75 Resp: 74611

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.0 37.2 55.8#

