

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122418\
 Data File : VX006783.D
 Acq On : 24 Dec 2018 09:59
 Operator : JC/MD
 Sample : VX1224MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224MBL01

Quant Time: Dec 25 01:16:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	680045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1034163	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	943824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	453994	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	350096	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
35) Dibromofluoromethane	5.51	113	316007	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
50) Toluene-d8	8.71	98	1219212	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	11.13	95	429028	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	

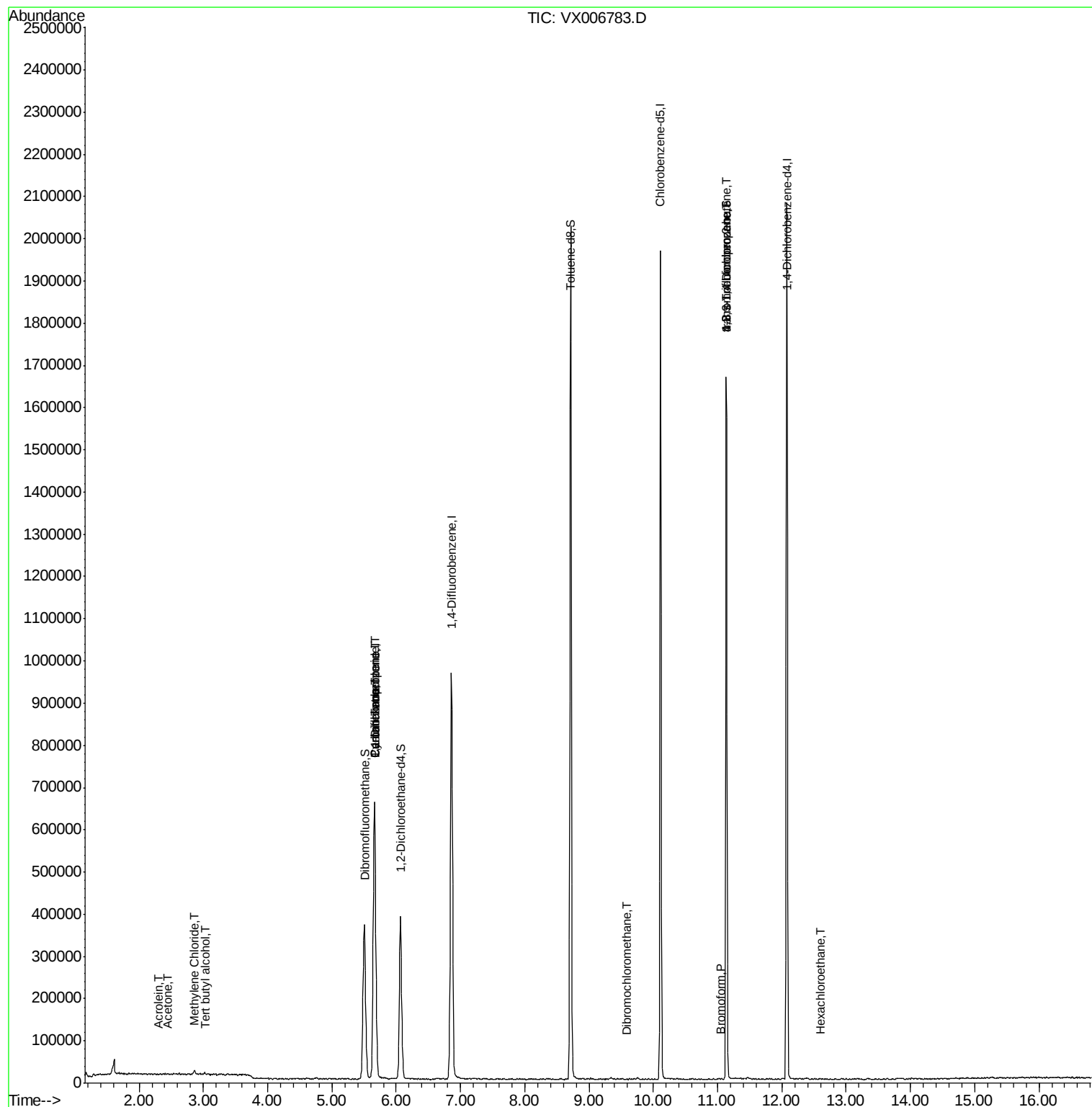
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	495	Below Cal		98
11) Tert butyl alcohol	3.03	59	3498	2.139	ug/l #	87
13) Acrolein	2.30	56	466	0.422	ug/l	86
16) Acetone	2.44	43	779	0.231	ug/l #	68
20) Methylene Chloride	2.87	84	4677	0.672	ug/l #	91
28) Bromochloromethane	5.03	49	236	Below Cal	#	4
31) Cyclohexane	5.67	56	11187	1.102	ug/l #	20
36) 1,1-Dichloropropene	5.66	75	44045	5.142	ug/l #	48
38) Carbon Tetrachloride	5.67	117	61326	7.367	ug/l #	16
49) 1,4-Dioxane	7.76	88	112	Below Cal	#	1
60) Dibromochloromethane	9.58	129	57	2.332	ug/l	85
71) Bromoform	11.05	173	152	4.485	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	204891	24.285	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	204891	71.881	ug/l #	10
90) Hexachloroethane	12.60	117	196	3.336	ug/l #	6

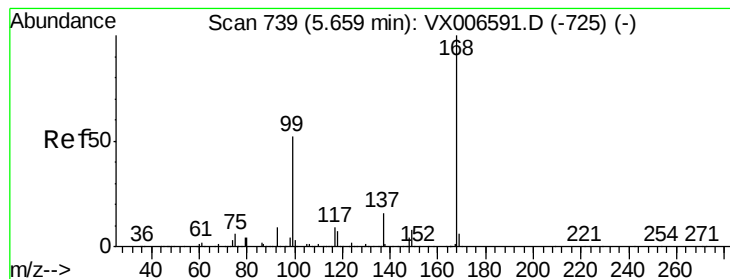
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006783.D

Acq: 24 Dec 2018 09:59

Instrument :

MSVOA_X

ClientSampleId :

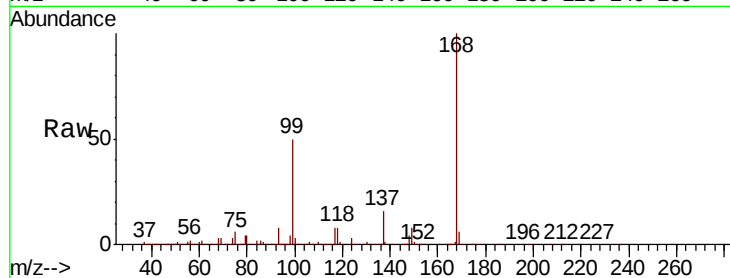
VX1224MBL01

Tot Ion:168 Resp: 680045

Ion Ratio Lower Upper

168 100

99 50.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

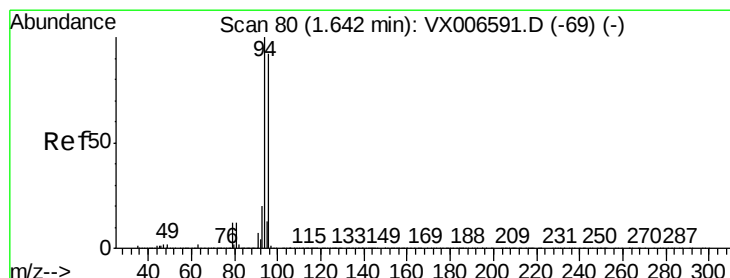
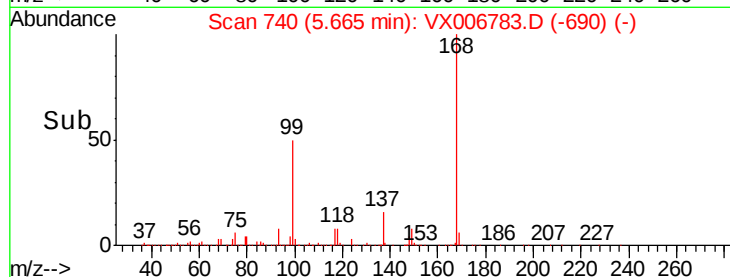
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006783.D

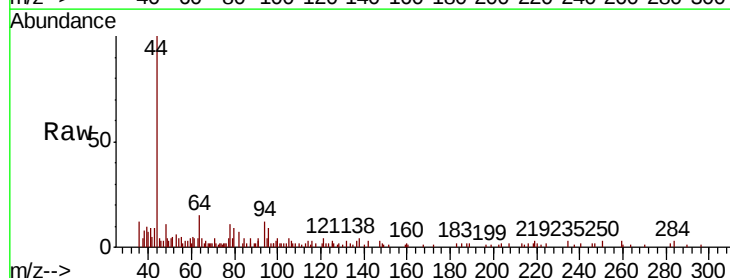
Acq: 24 Dec 2018 09:59

Tgt Ion: 94 Resp: 495

Ion Ratio Lower Upper

94 100

96 93.6 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

600

500

400

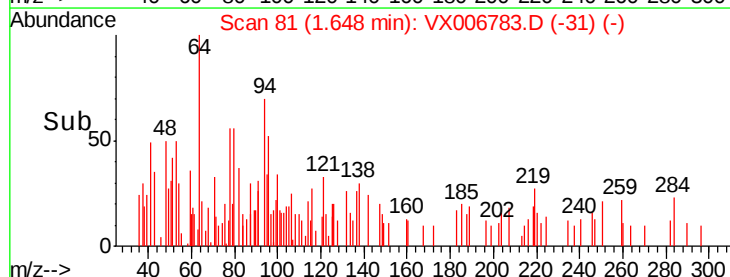
300

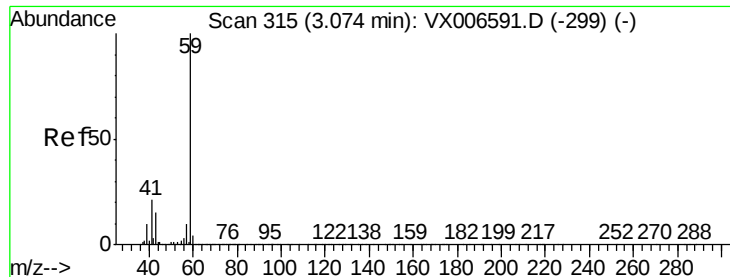
200

100

0

Time--> 1.62 1.64 1.66 1.68



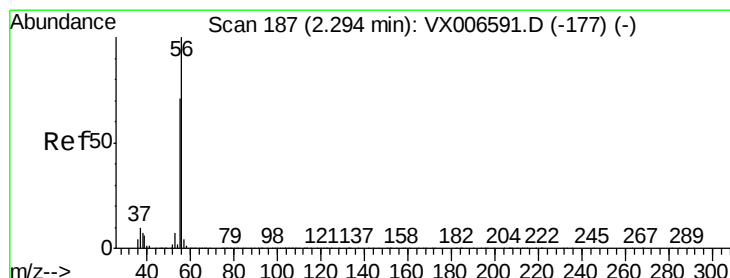
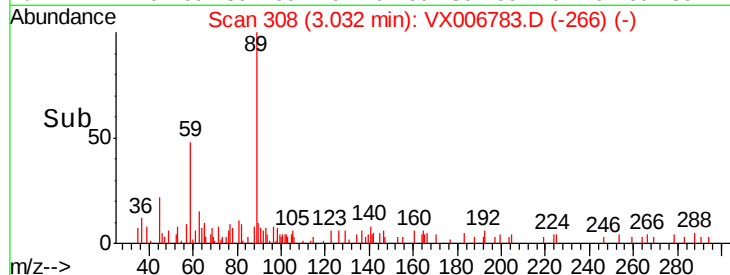
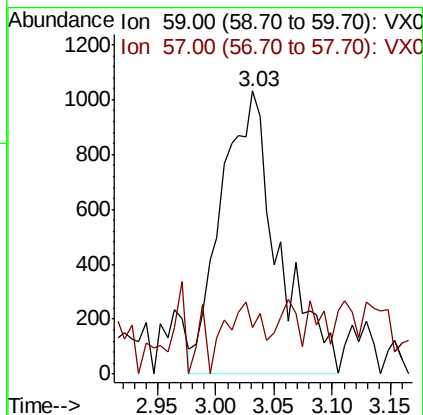
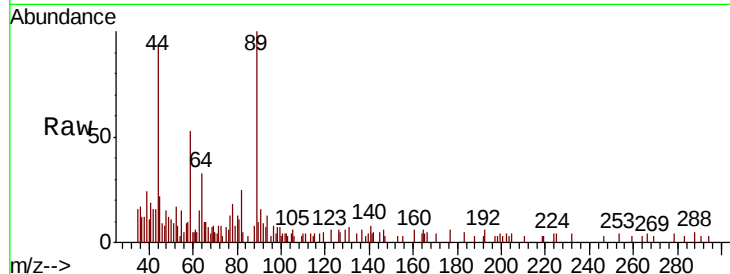


#11

Tert butyl alcohol
Concen: 2.139 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.04 min
Lab File: VX006783.D
Acq: 24 Dec 2018 09:59

Instrument :
MSVOA_X
ClientSampled :
VX1224MBL01

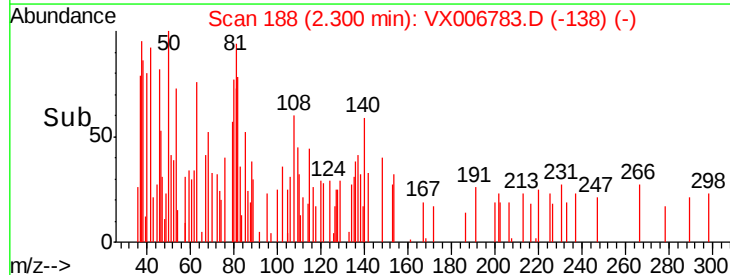
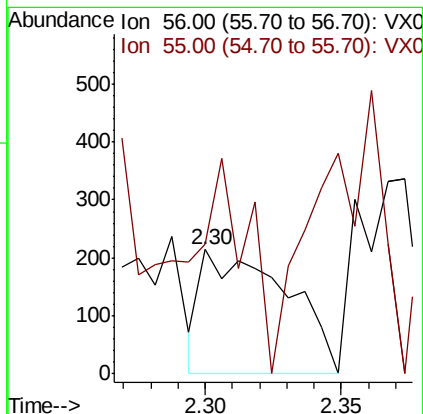
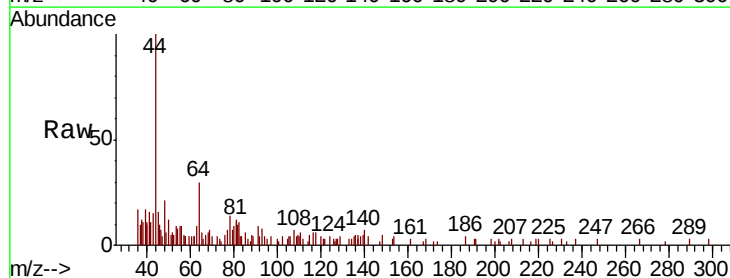
Tot Ion: 59 Resp: 3498
Ion Ratio Lower Upper
59 100
57 15.6 8.5 12.7#

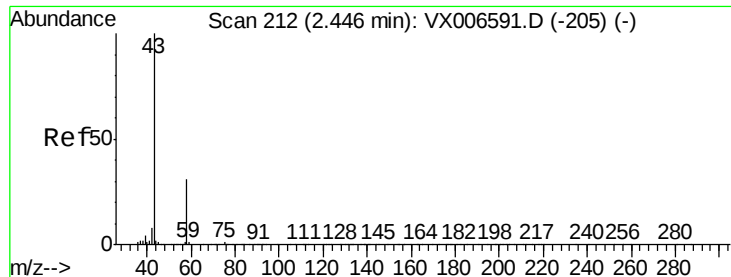


#13

Acrolein
Concen: 0.422 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX006783.D
Acq: 24 Dec 2018 09:59

Tgt Ion: 56 Resp: 466
Ion Ratio Lower Upper
56 100
55 84.3 58.2 87.4

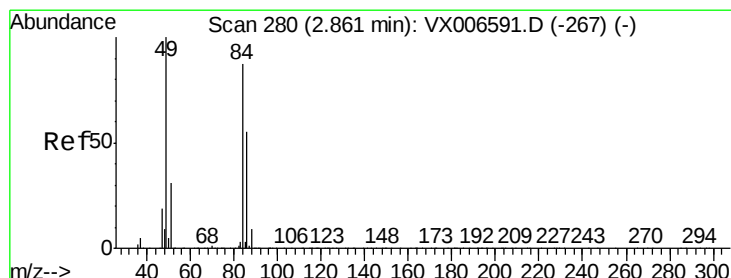
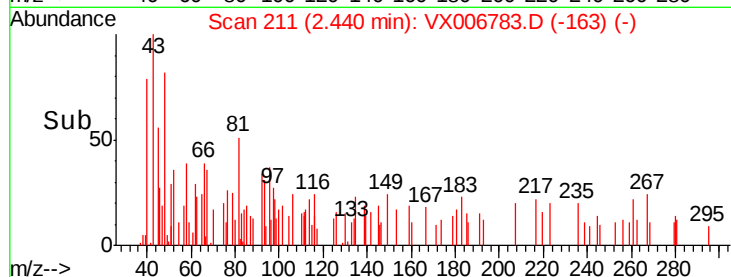
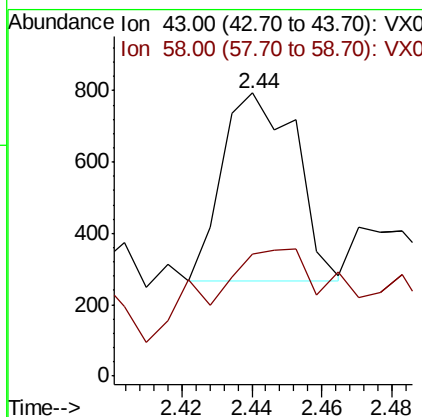
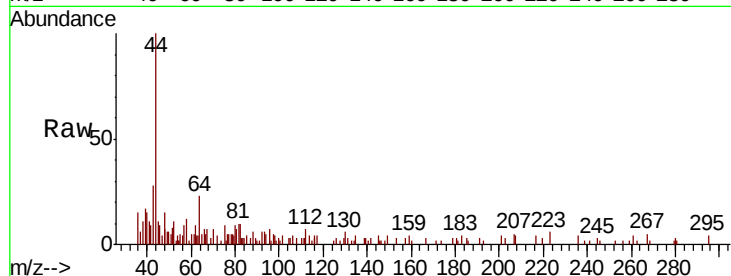




#16
Acetone
Concen: 0.231 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX006783.D
Acq: 24 Dec 2018 09:59

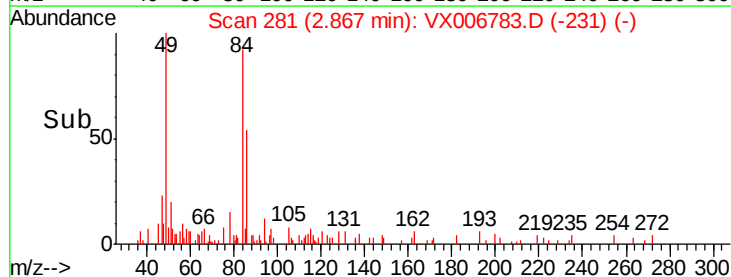
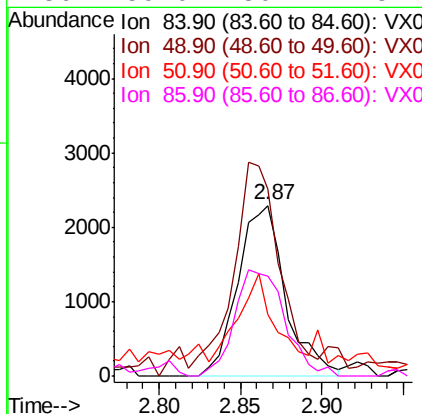
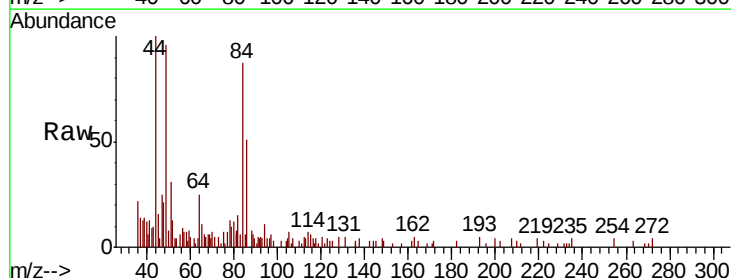
Instrument :
MSVOA_X
ClientSampleId :
VX1224MBL01

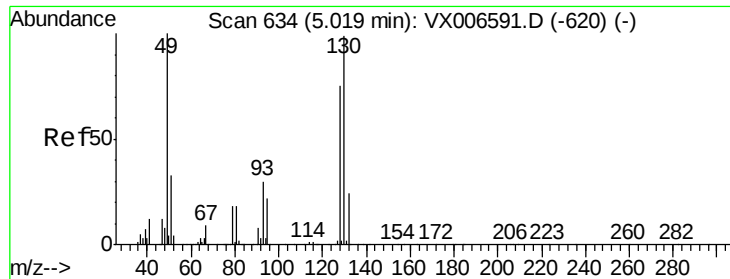
Tot Ion: 43 Resp: 779
Ion Ratio Lower Upper
43 100
58 13.8 25.0 37.6#



#20
Methylene Chloride
Concen: 0.672 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX006783.D
Acq: 24 Dec 2018 09:59

Tgt Ion: 84 Resp: 4677
Ion Ratio Lower Upper
84 100
49 105.6 91.8 137.6
51 23.9 28.5 42.7#
86 59.0 50.2 75.2





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

Lab File: VX006783.D

Acq: 24 Dec 2018 09:59

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBL01

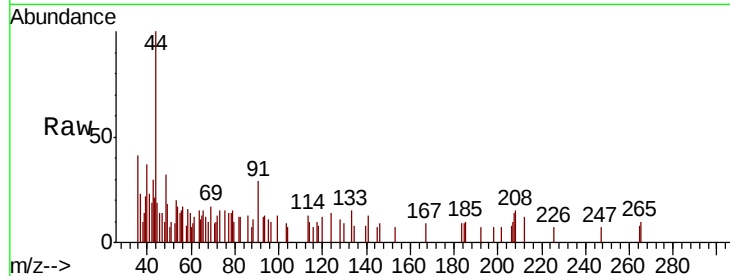
Tot Ion: 49 Resp: 236

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

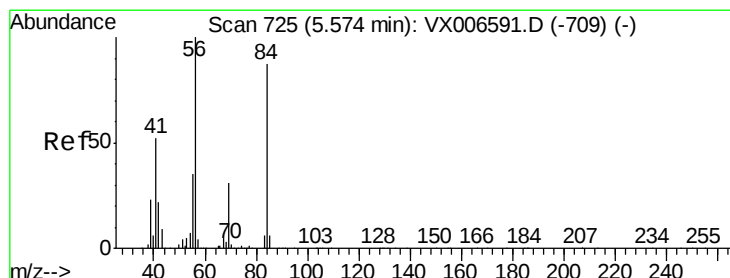
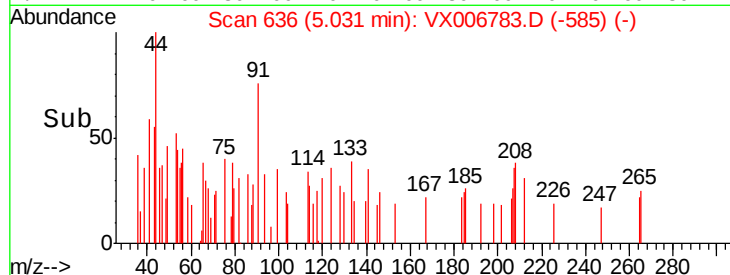
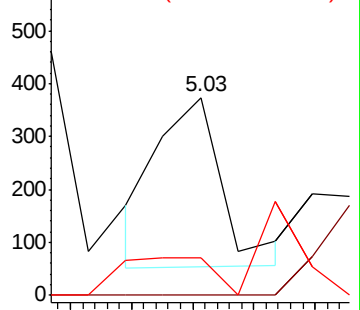
130 0.0 77.7 116.5#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.102 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX006783.D

Acq: 24 Dec 2018 09:59

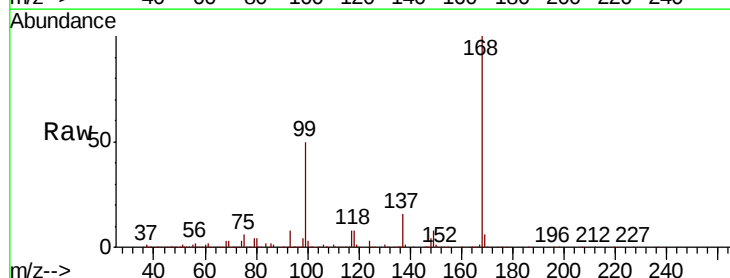
Tgt Ion: 56 Resp: 11187

Ion Ratio Lower Upper

56 100

69 157.4 24.4 36.6#

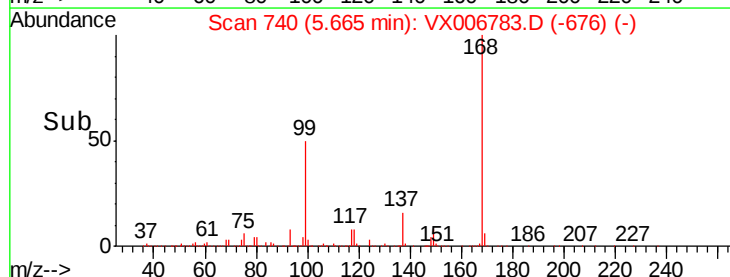
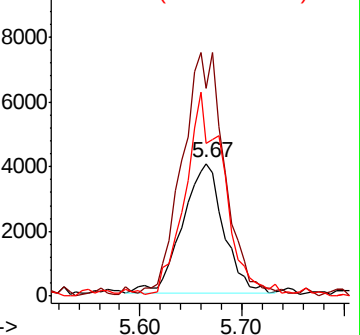
84 112.4 70.0 105.0#

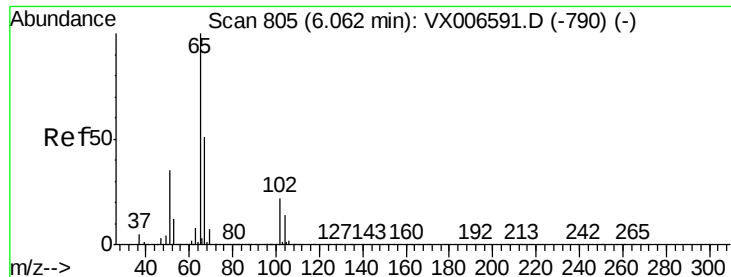


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.767 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006783.D

Acq: 24 Dec 2018 09:59

Instrument :

MSVOA_X

ClientSampleId :

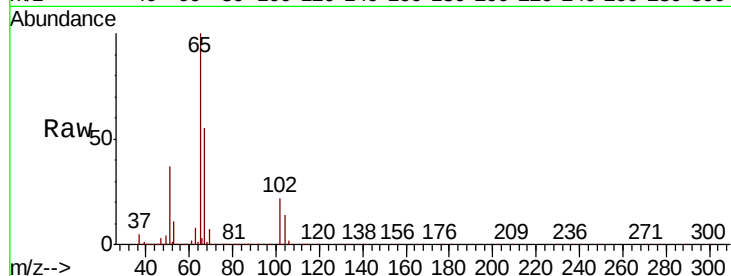
VX1224MBL01

Tot Ion: 65 Resp: 350096

Ion Ratio Lower Upper

65 100

67 54.0 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

150000

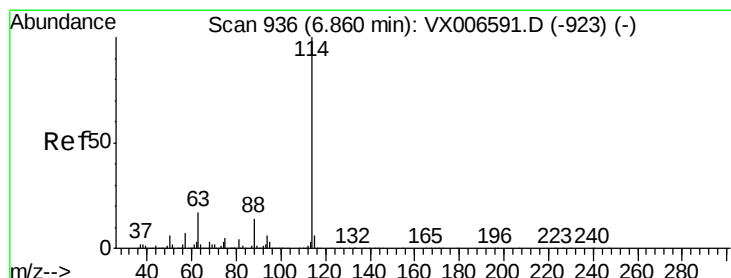
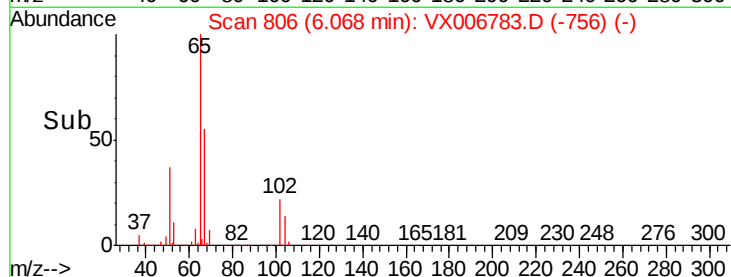
100000

50000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006783.D

Acq: 24 Dec 2018 09:59

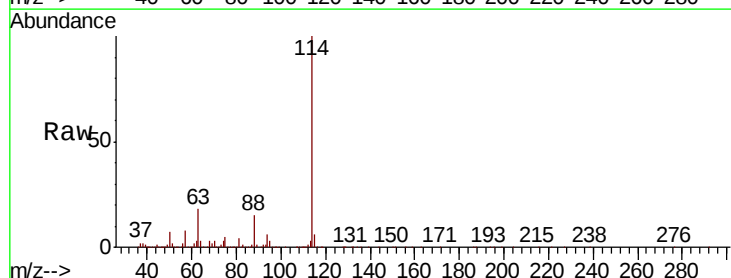
Tgt Ion: 114 Resp: 1034163

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.8

88 15.2 0.0 28.8



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

600000

500000

400000

300000

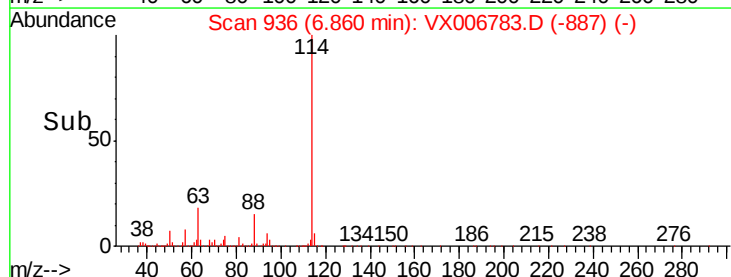
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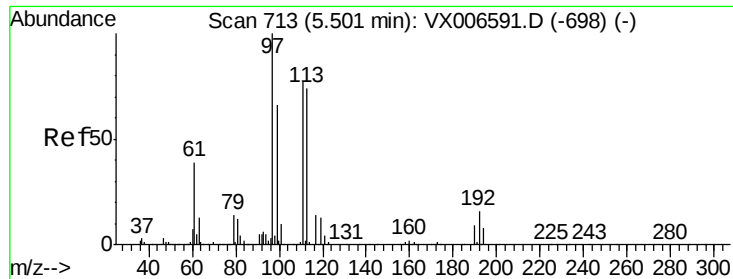
100000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 48.320 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006783.D

Acq: 24 Dec 2018 09:59

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBL01

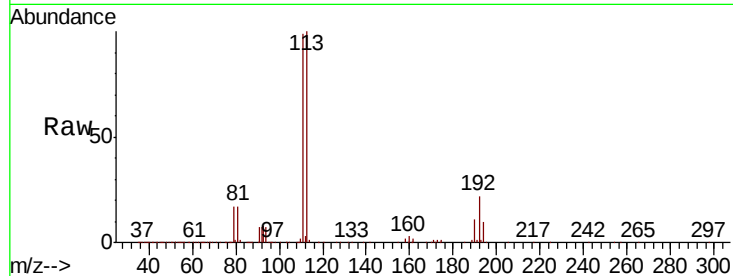
Tot Ion:113 Resp: 316007

Ion Ratio Lower Upper

113 100

111 101.1 81.6 122.4

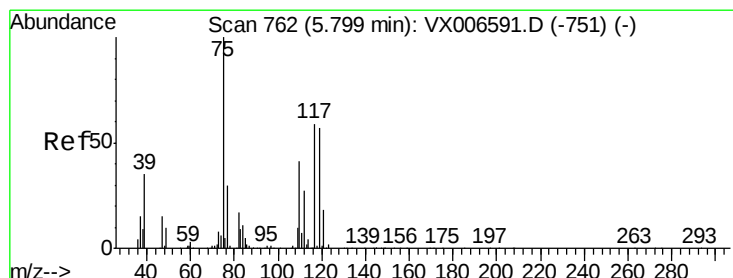
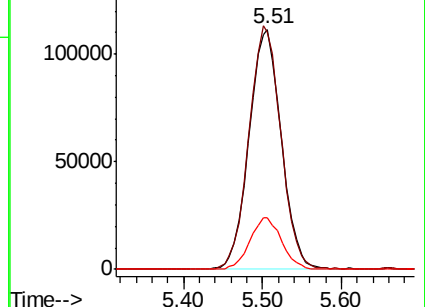
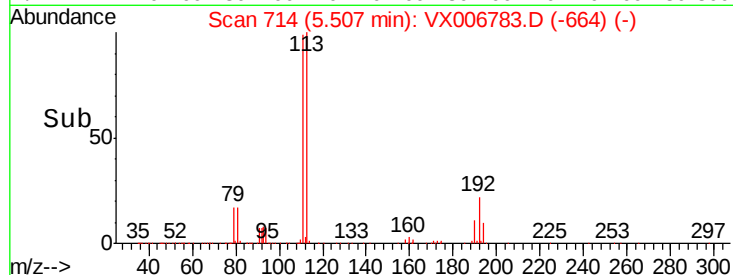
192 21.4 16.7 25.1



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: 5.142 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006783.D

Acq: 24 Dec 2018 09:59

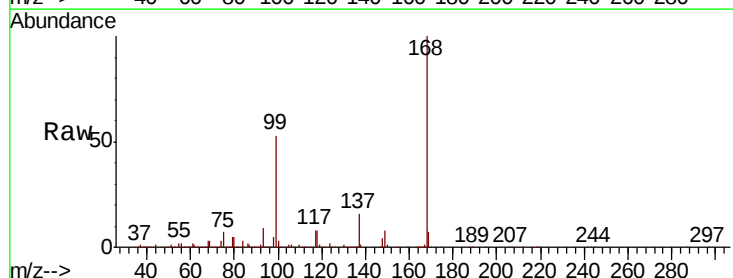
Tgt Ion: 75 Resp: 44045

Ion Ratio Lower Upper

75 100

110 9.5 20.2 60.5#

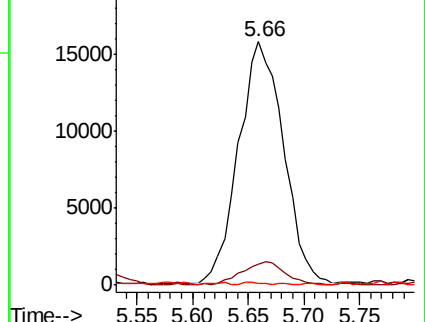
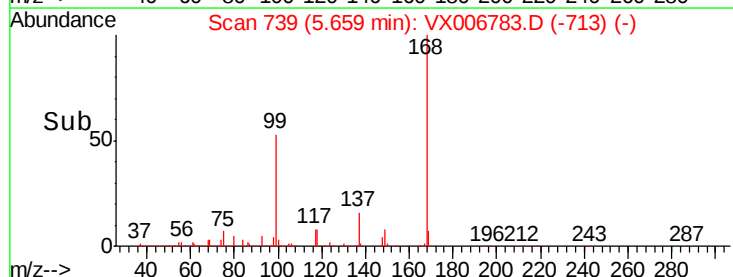
77 0.2 24.8 37.2#

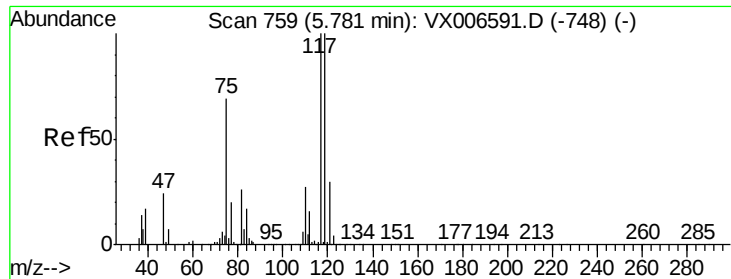


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.367 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006783.D

Acq: 24 Dec 2018 09:59

Instrument :

MSVOA_X

ClientSampled :

VX1224MBL01

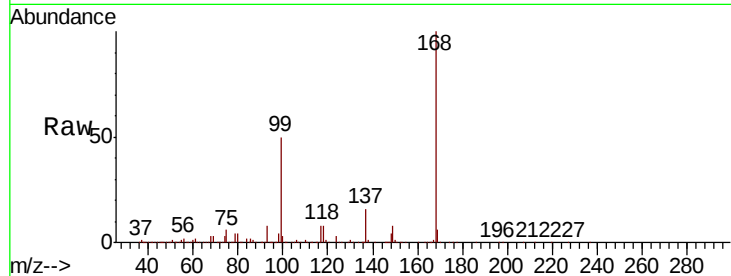
Tot Ion:117 Resp: 61326

Ion Ratio Lower Upper

117 100

119 6.4 79.4 119.2#

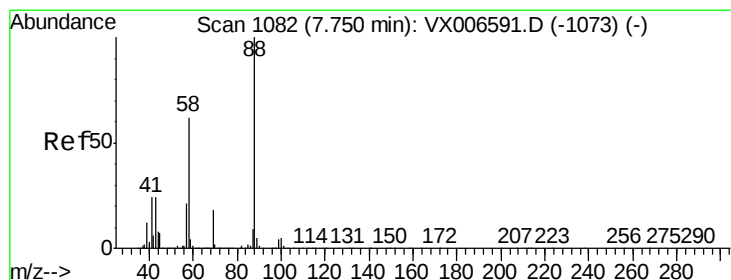
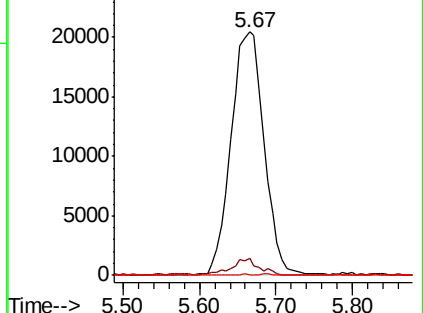
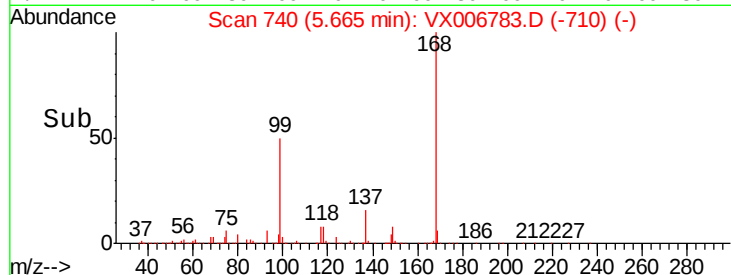
121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006783.D

Acq: 24 Dec 2018 09:59

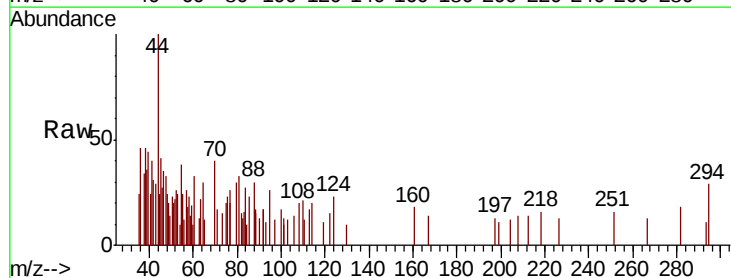
Tgt Ion: 88 Resp: 112

Ion Ratio Lower Upper

88 100

43 280.4 22.2 33.4#

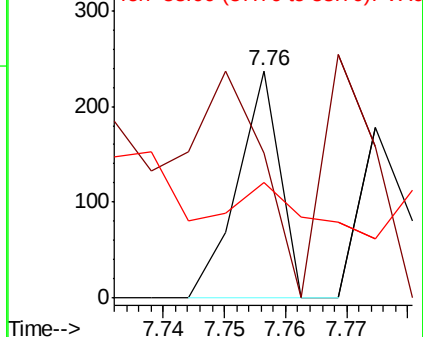
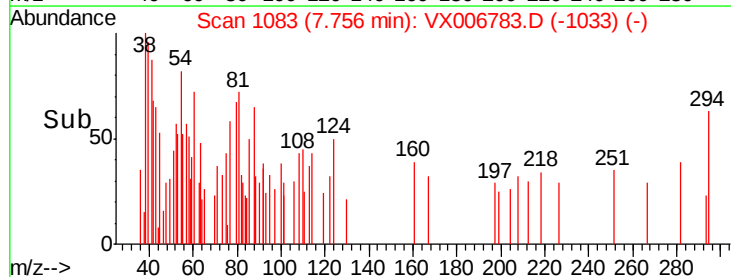
58 0.0 51.0 76.4#

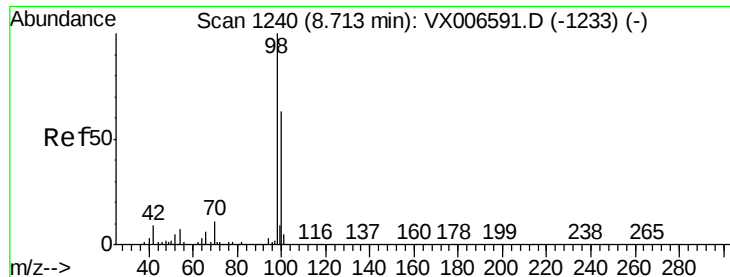


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.450 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006783.D

Acq: 24 Dec 2018 09:59

Instrument :

MSVOA_X

ClientSampleId :

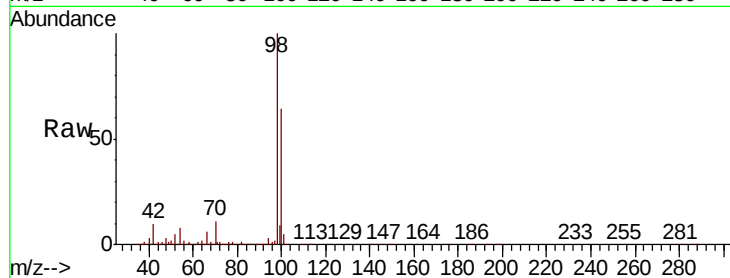
VX1224MBL01

Tot Ion: 98 Resp: 1219212

Ion Ratio Lower Upper

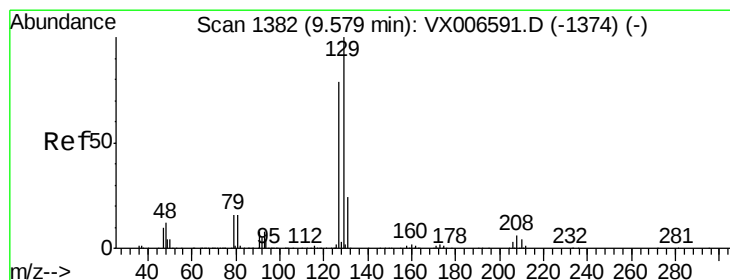
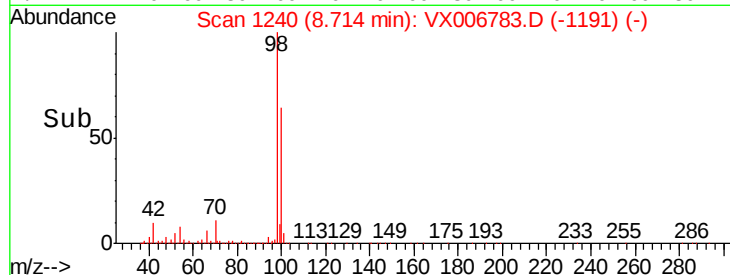
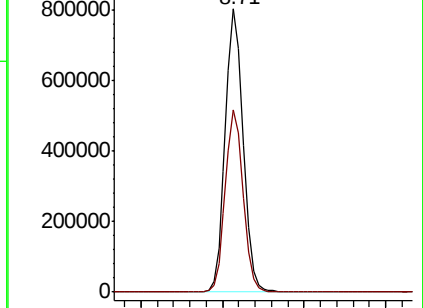
98 100

100 64.2 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#60

Dibromochloromethane

Concen: 2.332 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX006783.D

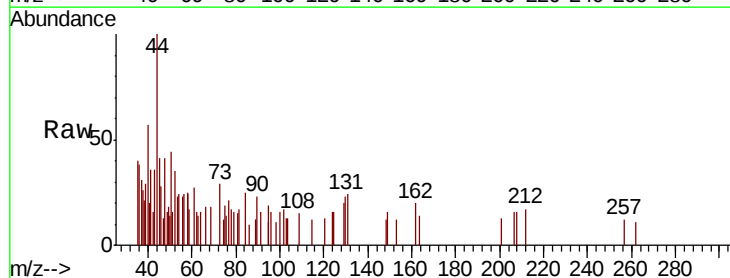
Acq: 24 Dec 2018 09:59

Tgt Ion:129 Resp: 57

Ion Ratio Lower Upper

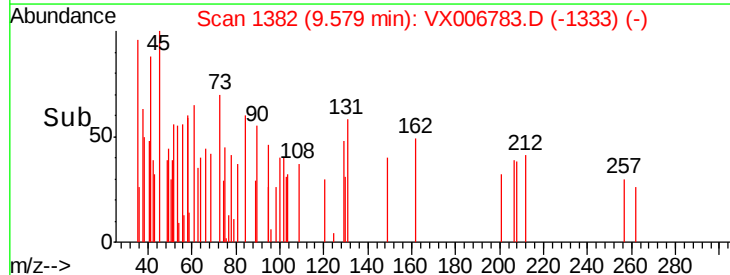
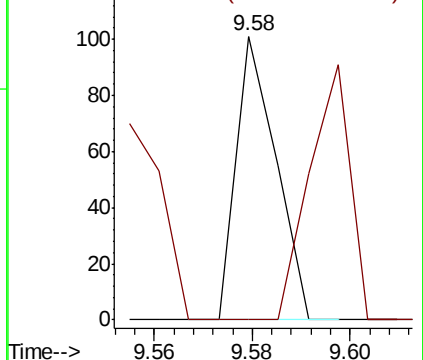
129 100

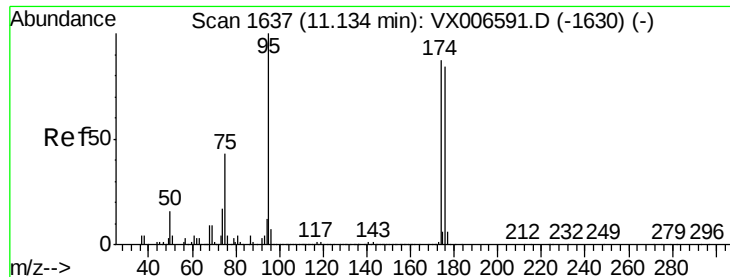
127 91.2 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

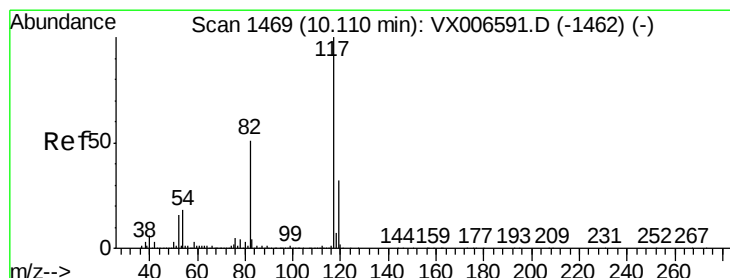
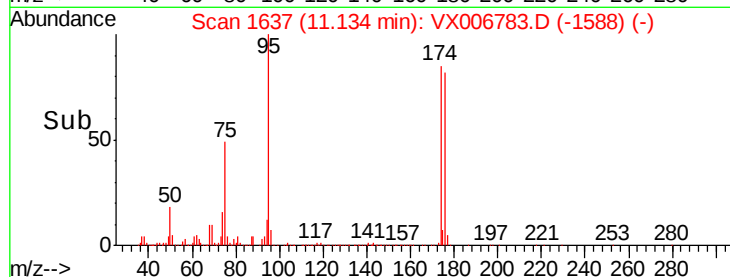
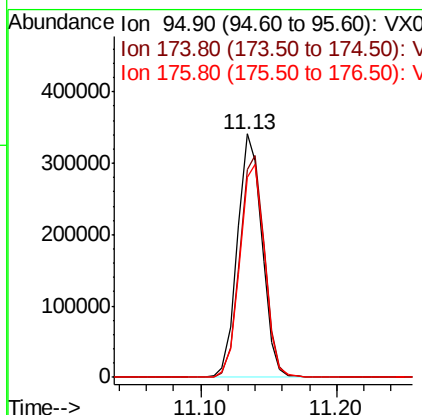
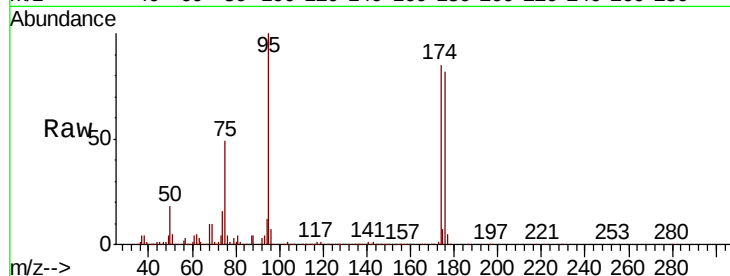




#62
4-Bromofluorobenzene
Concen: 47.512 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX006783.D
Acq: 24 Dec 2018 09:59

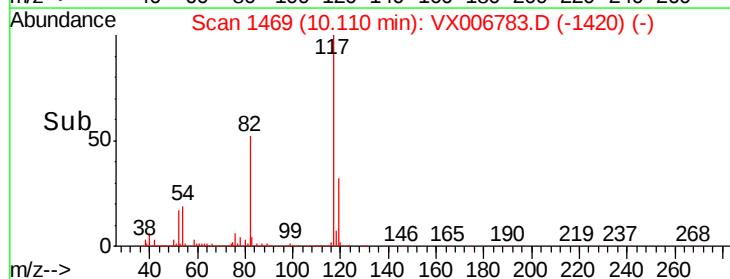
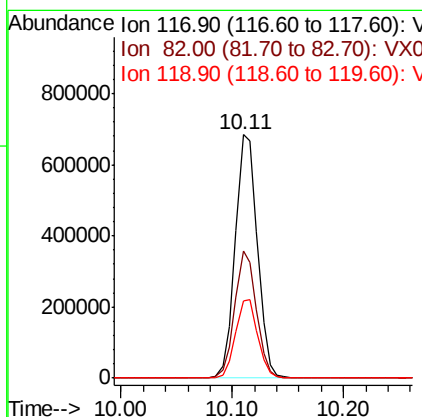
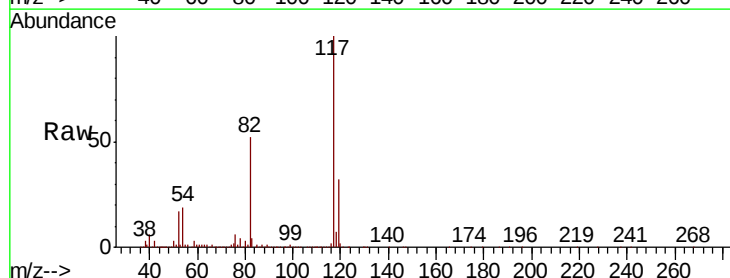
Instrument :
MSVOA_X
ClientSampleId :
VX1224MBL01

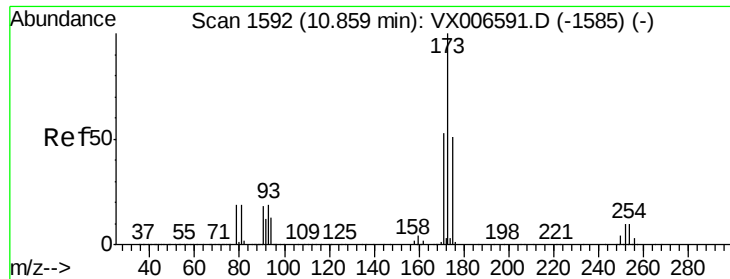
Tot Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	182.2
176	88.6	0.0	178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX006783.D
Acq: 24 Dec 2018 09:59

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.0	61.6
119	31.6	25.4	38.0





#71

Bromoform

Concen: 4.485 ug/l

RT: 11.05 min Scan# 1624

Delta R.T. 0.20 min

Lab File: VX006783.D

Acq: 24 Dec 2018 09:59

Instrument :

MSVOA_X

ClientSampled :

VX1224MBL01

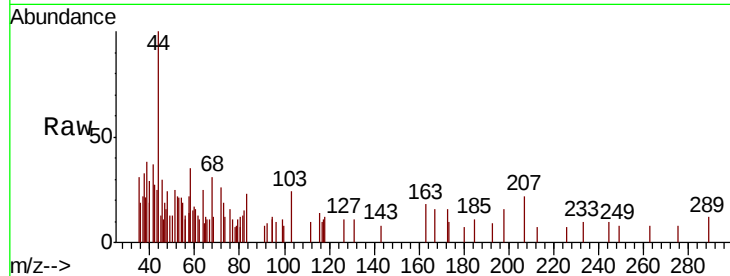
Tot Ion:173 Resp: 152

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

250

200

150

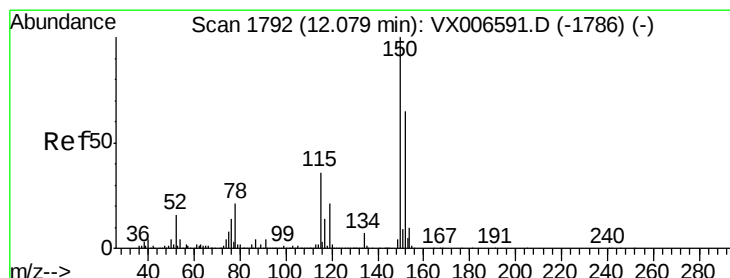
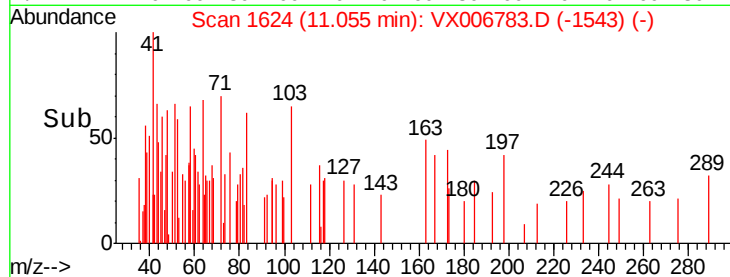
100

50

0

11.04 11.05 11.06

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006783.D

Acq: 24 Dec 2018 09:59

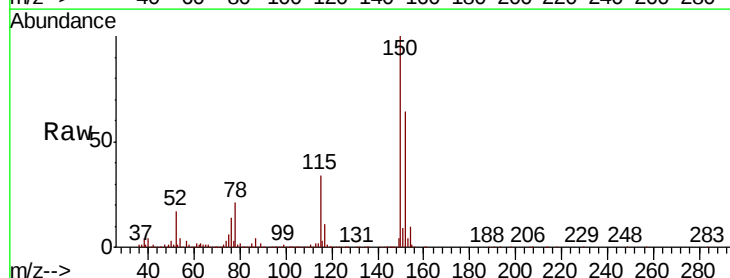
Tgt Ion:152 Resp: 453994

Ion Ratio Lower Upper

152 100

115 55.3 39.1 117.2

150 156.9 0.0 344.8



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

800000

600000

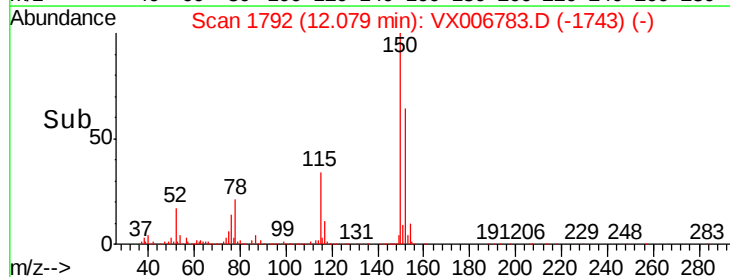
400000

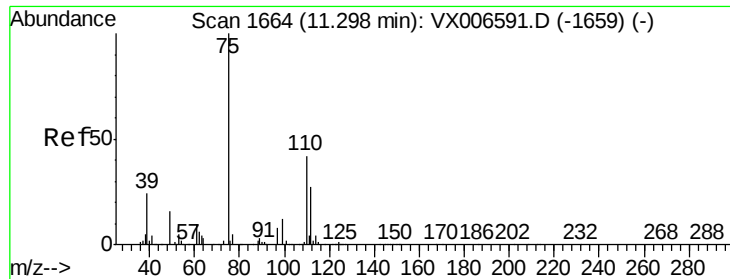
200000

0

12.00 12.08 12.20

Time-->





#76

1,2,3-Trichloropropane

Concen: 24.285 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006783.D

Acq: 24 Dec 2018 09:59

Instrument :

MSVOA_X

ClientSampleId :

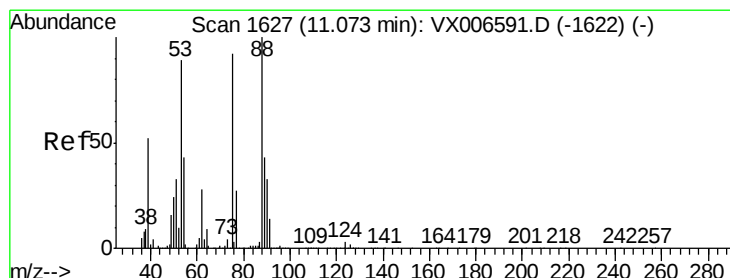
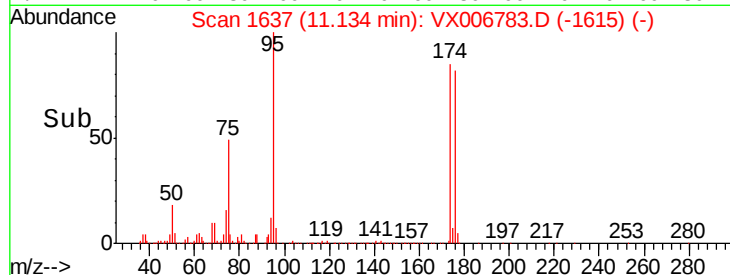
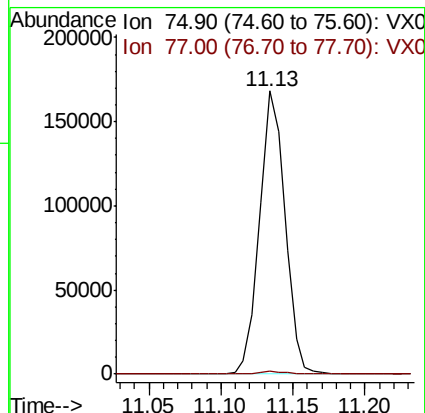
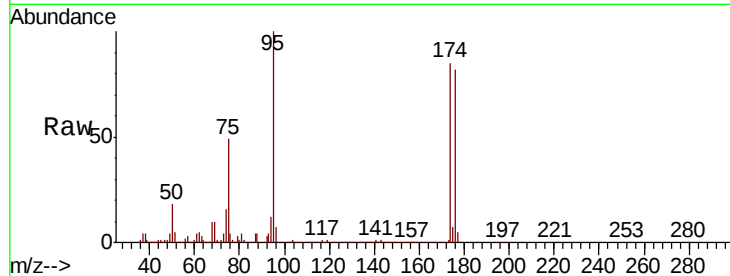
VX1224MBL01

Tot Ion: 75 Resp: 204891

Ion Ratio Lower Upper

75 100

77 1.3 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.881 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006783.D

Acq: 24 Dec 2018 09:59

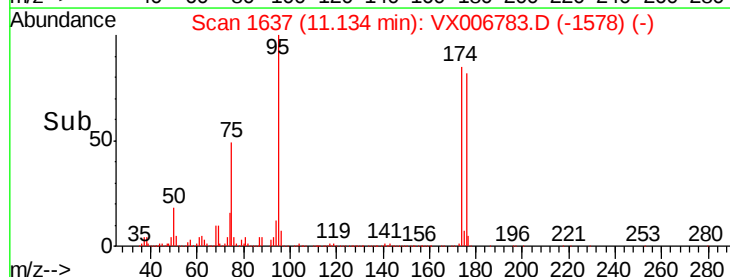
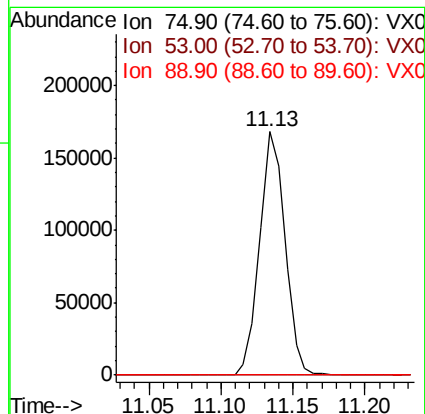
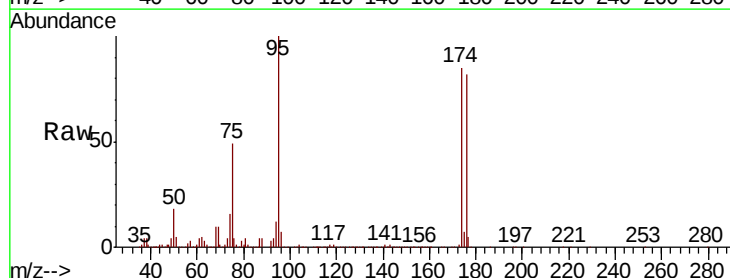
Tgt Ion: 75 Resp: 204891

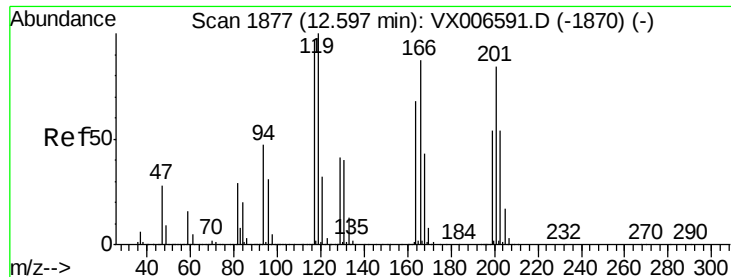
Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

89 0.0 38.0 57.0#





#90

Hexachloroethane

Concen: 3.336 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX006783.D

Acq: 24 Dec 2018 09:59

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBL01

Tot Ion:117 Resp: 196

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#

