

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121718\
 Data File : VX006566.D
 Acq On : 17 Dec 2018 12:19
 Operator : JC/MD
 Sample : J6405-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 18 00:38:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	686787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1068584	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	969517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	457063	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	369992	52.77	ug/l	0.00
Spiked Amount			Recovery	=	105.54%	
35) Dibromofluoromethane	5.51	113	329792	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	
50) Toluene-d8	8.71	98	1281391	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	11.14	95	465392	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	

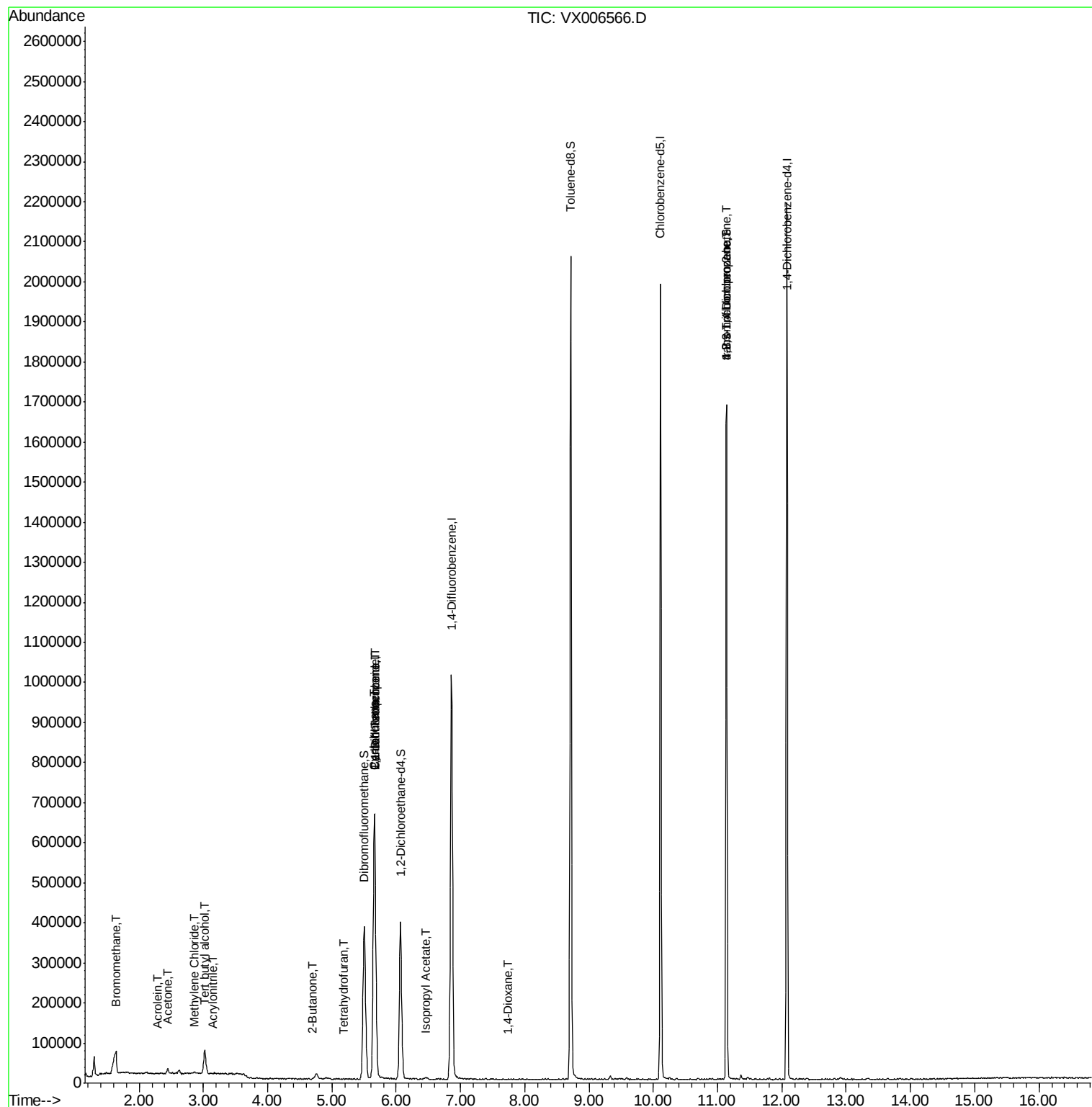
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2282	0.443	ug/l	81
11) Tert butyl alcohol	3.02	59	35764	18.653	ug/l #	76
13) Acrolein	2.28	56	486	0.464	ug/l #	78
15) Acrylonitrile	3.15	53	879	0.220	ug/l #	45
16) Acetone	2.45	43	13835	4.205	ug/l	98
20) Methylene Chloride	2.86	84	2077	0.297	ug/l #	71
25) 2-Butanone	4.69	43	1221	0.260	ug/l	90
29) Tetrahydrofuran	5.18	42	733	0.225	ug/l #	58
31) Cyclohexane	5.65	56	11617	1.147	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	44837	4.983	ug/l #	49
38) Carbon Tetrachloride	5.67	117	64795	6.121	ug/l #	16
43) Isopropyl Acetate	6.46	43	5407	0.322	ug/l #	88
49) 1,4-Dioxane	7.75	88	78	0.387	ug/l #	27
76) 1,2,3-Trichloropropane	11.13	75	213284	24.176	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	213284	56.735	ug/l #	15

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006566.D

Acq: 17 Dec 2018 12:19

Instrument :

MSVOA_X

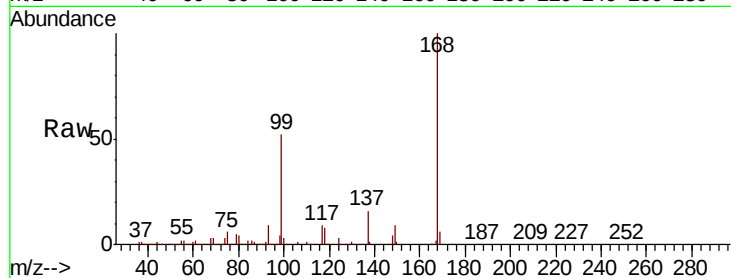
ClientSampleId :

Tot Ion:168 Resp: 686787

Ion Ratio Lower Upper

168 100

99 51.6 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

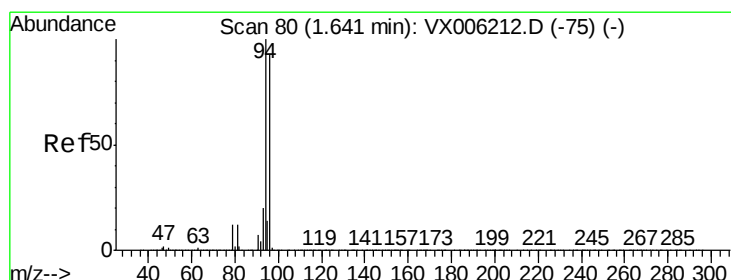
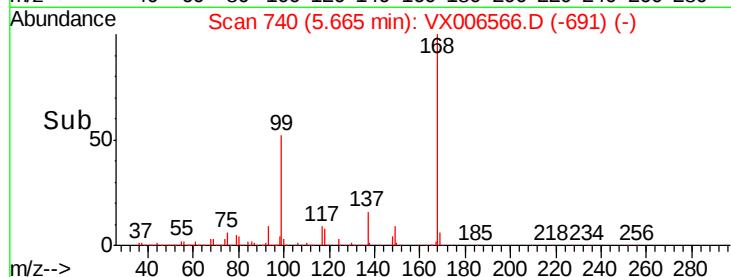
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.443 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006566.D

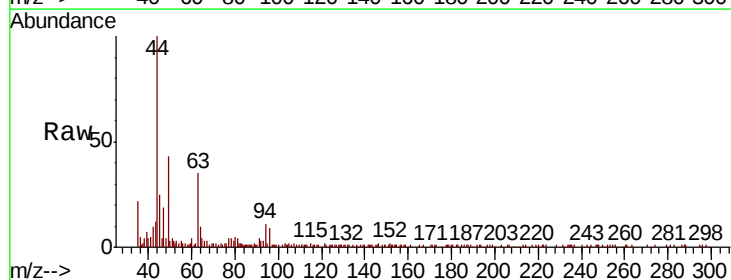
Acq: 17 Dec 2018 12:19

Tgt Ion: 94 Resp: 2282

Ion Ratio Lower Upper

94 100

96 74.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1500

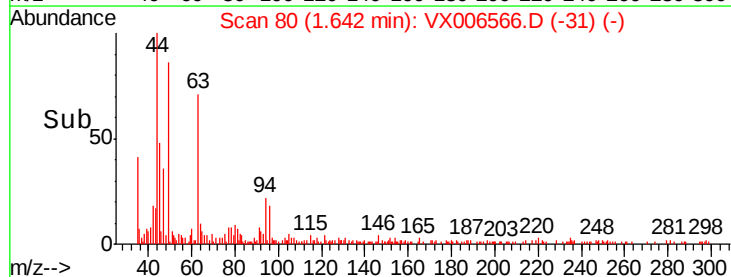
1000

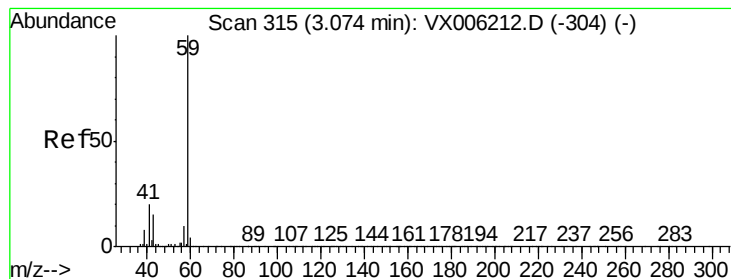
500

0

1.60 1.65 1.70

Time-->



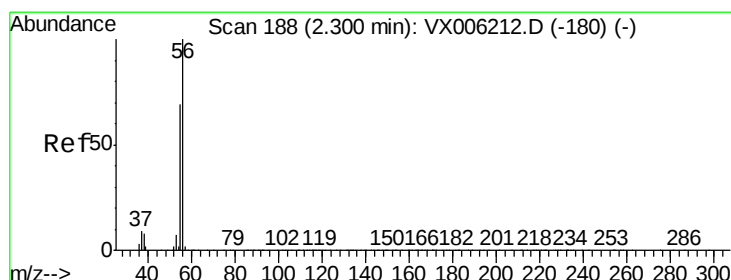
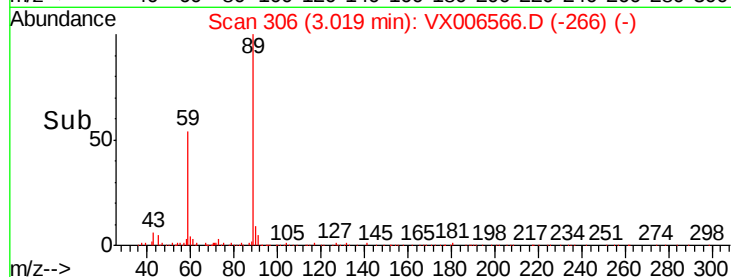
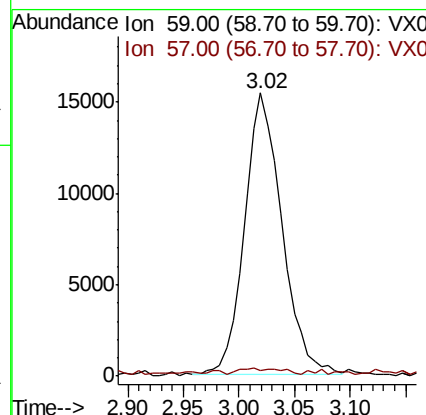
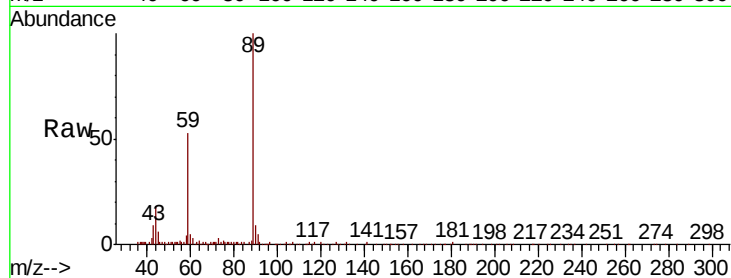


#11

Tert butyl alcohol
 Concen: 18.653 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.05 min
 Lab File: VX006566.D
 Acq: 17 Dec 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :

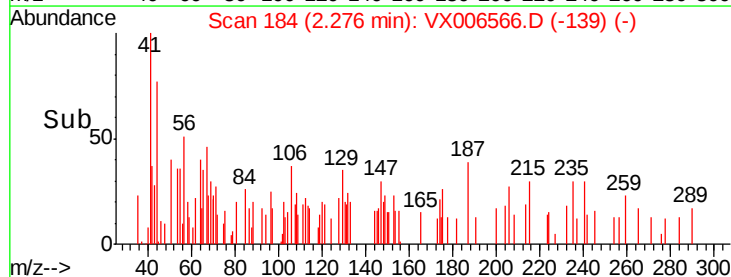
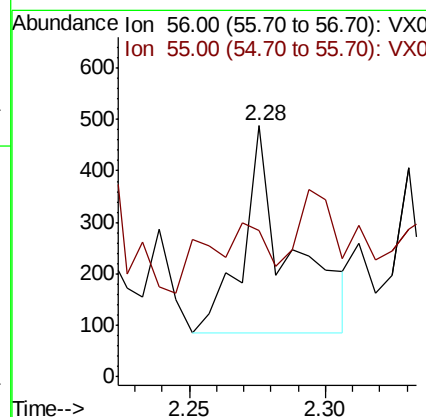
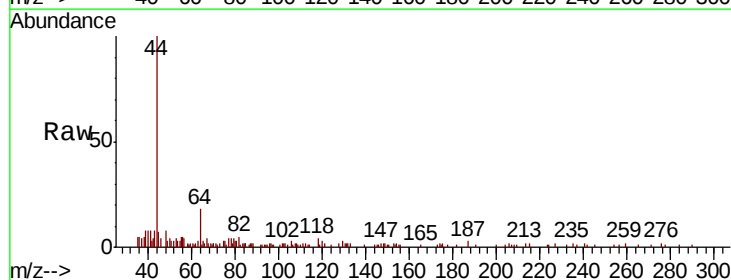
Tot Ion: 59 Resp: 35764
 Ion Ratio Lower Upper
 59 100
 57 1.4 8.2 12.2#

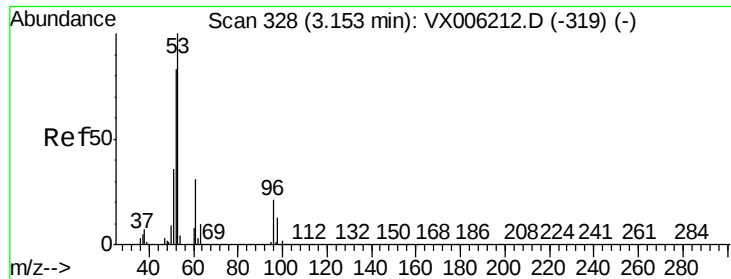


#13

Acrolein
 Concen: 0.464 ug/l
 RT: 2.28 min Scan# 184
 Delta R.T. -0.02 min
 Lab File: VX006566.D
 Acq: 17 Dec 2018 12:19

Tgt Ion: 56 Resp: 486
 Ion Ratio Lower Upper
 56 100
 55 54.1 57.8 86.6#





#15

Acrylonitrile

Concen: 0.220 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX006566.D

Acq: 17 Dec 2018 12:19

Instrument :
MSVOA_X
ClientSampled :

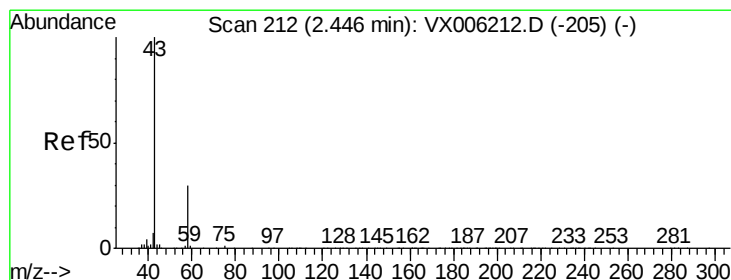
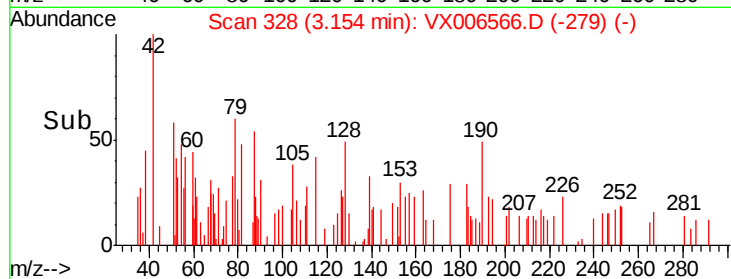
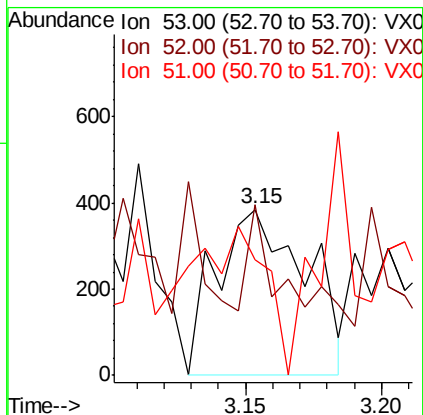
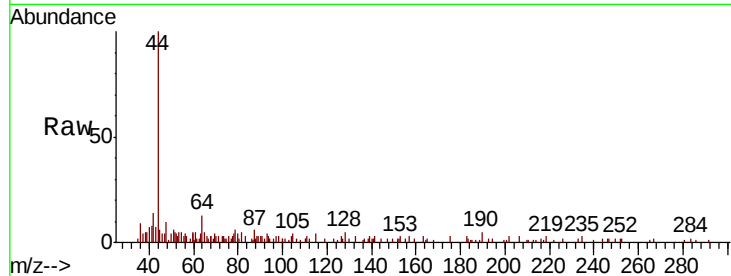
Tot Ion: 53 Resp: 879

Ion Ratio Lower Upper

53 100

52 33.3 66.2 99.4#

51 68.1 28.7 43.1#



#16

Acetone

Concen: 4.205 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006566.D

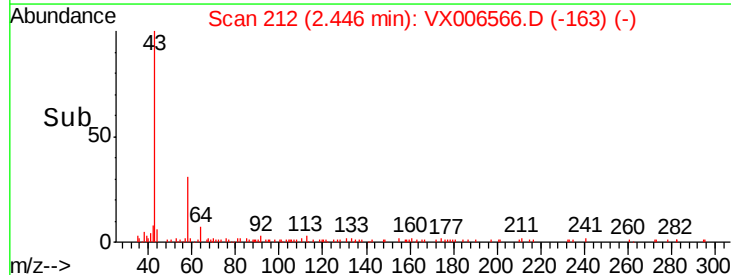
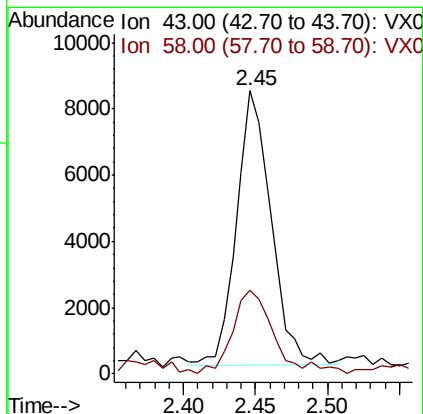
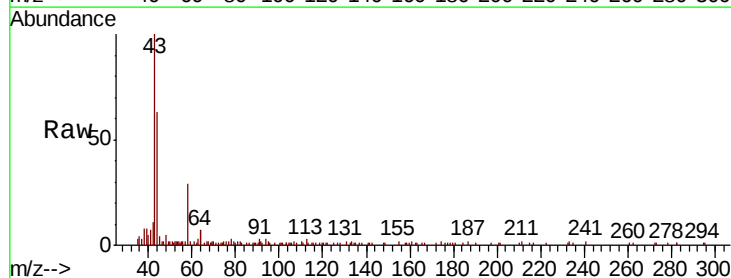
Acq: 17 Dec 2018 12:19

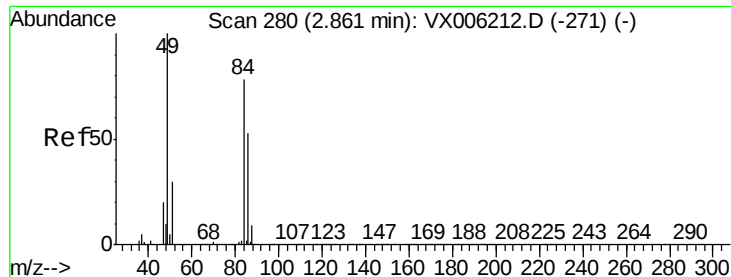
Tgt Ion: 43 Resp: 13835

Ion Ratio Lower Upper

43 100

58 29.0 24.0 36.0

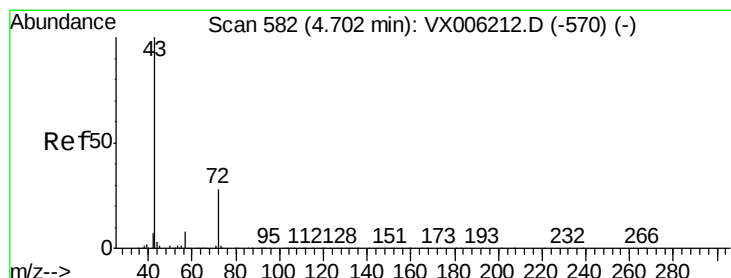
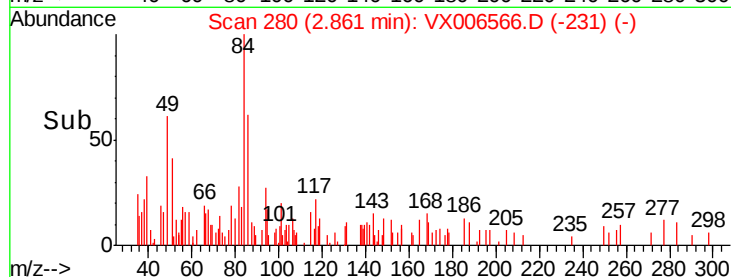
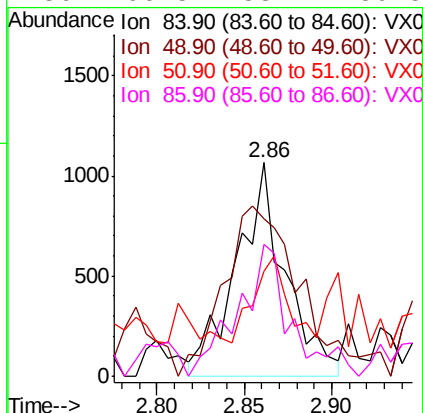
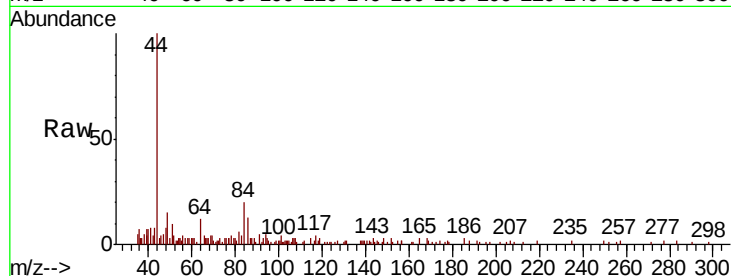




#20
Methvlene Chloride
Concen: 0.297 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006566.D
Acq: 17 Dec 2018 12:19

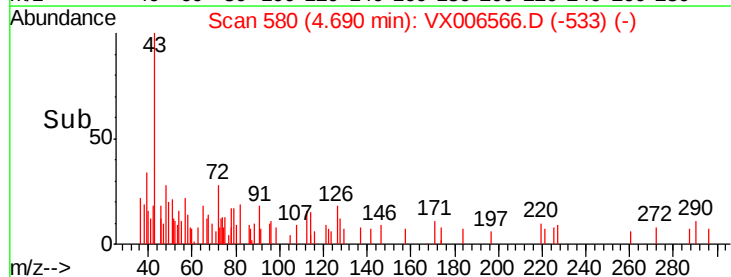
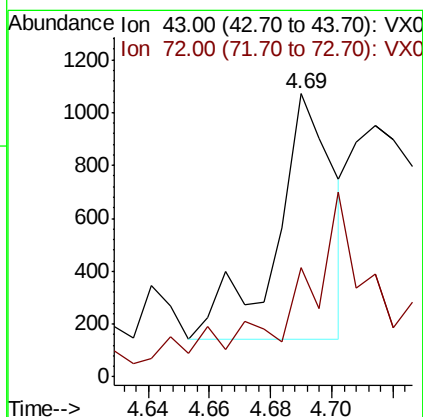
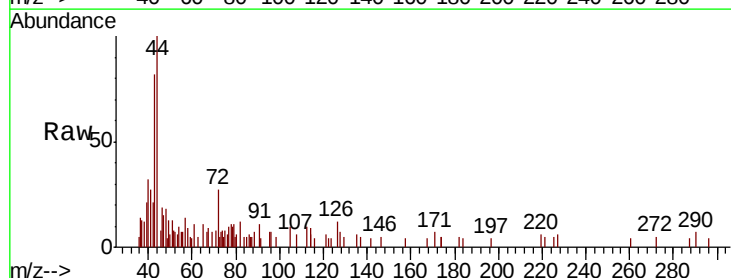
Instrument :
MSVOA_X
ClientSampleId :

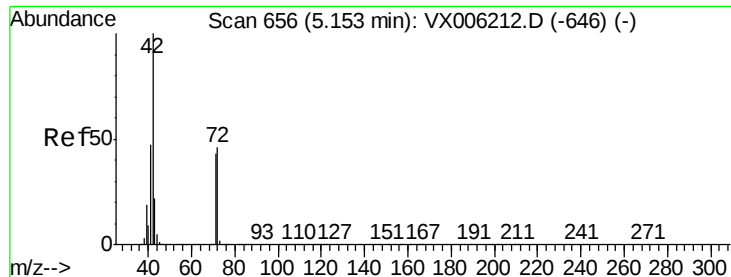
Tot Ion: 84 Resp: 2077
Ion Ratio Lower Upper
84 100
49 68.2 102.2 153.4#
51 42.5 31.1 46.7
86 66.5 53.7 80.5



#25
2-Butanone
Concen: 0.260 ug/l
RT: 4.69 min Scan# 580
Delta R.T. -0.01 min
Lab File: VX006566.D
Acq: 17 Dec 2018 12:19

Tgt Ion: 43 Resp: 1221
Ion Ratio Lower Upper
43 100
72 23.1 22.6 33.8

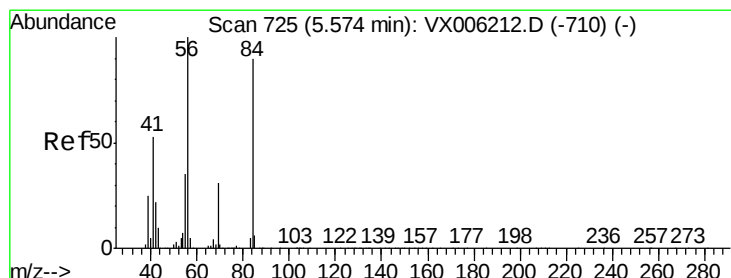
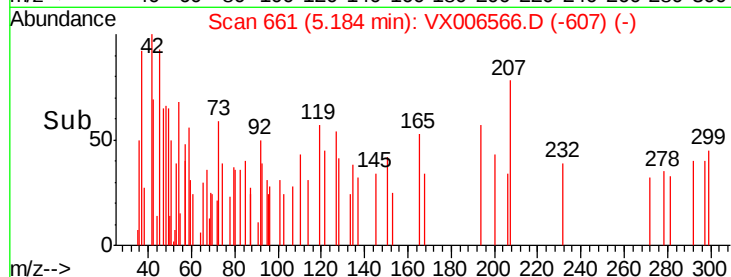
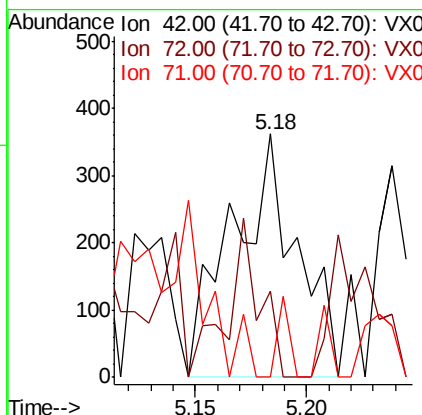
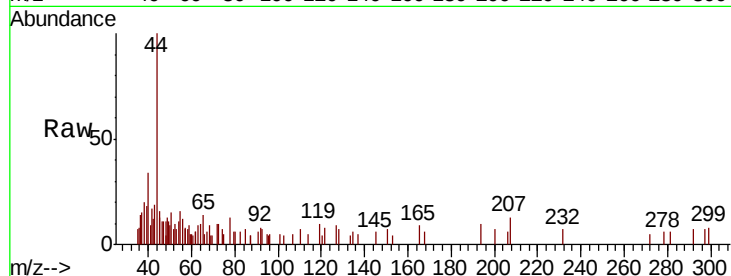




#29
Tetrahydrofuran
Concen: 0.225 ug/l
RT: 5.18 min Scan# 661
Delta R.T. 0.03 min
Lab File: VX006566.D
Acq: 17 Dec 2018 12:19

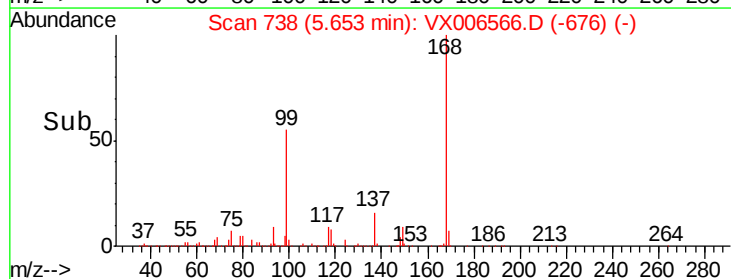
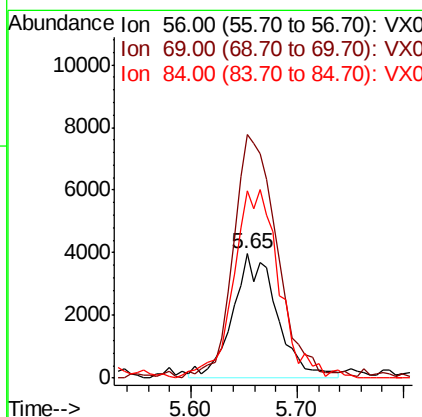
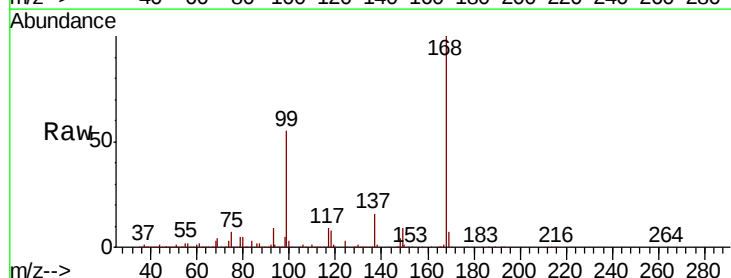
Instrument :
MSVOA_X
ClientSampleId :

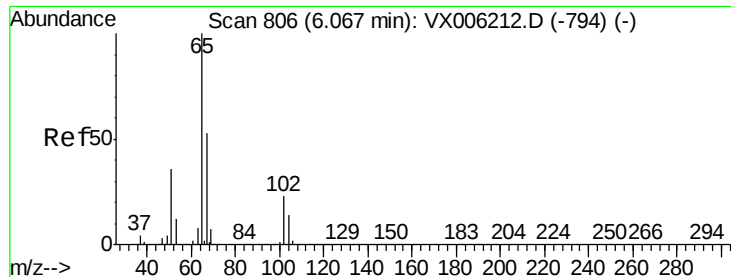
Tot Ion: 42 Resp: 733
Ion Ratio Lower Upper
42 100
72 29.1 37.8 56.8#
71 6.0 35.2 52.8#



#31
Cyclohexane
Concen: 1.147 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX006566.D
Acq: 17 Dec 2018 12:19

Tgt Ion: 56 Resp: 11617
Ion Ratio Lower Upper
56 100
69 199.0 24.5 36.7#
84 150.1 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 52.773 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006566.D

Acq: 17 Dec 2018 12:19

Instrument :

MSVOA_X

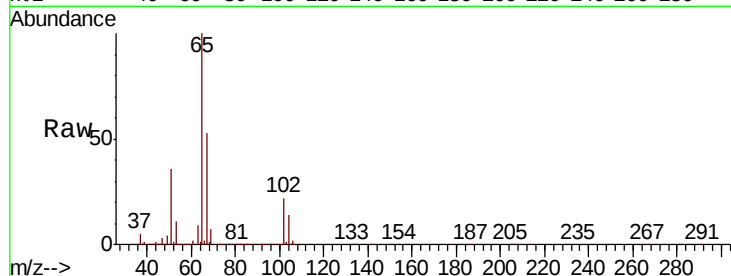
ClientSampleId :

Tot Ion: 65 Resp: 369992

Ion Ratio Lower Upper

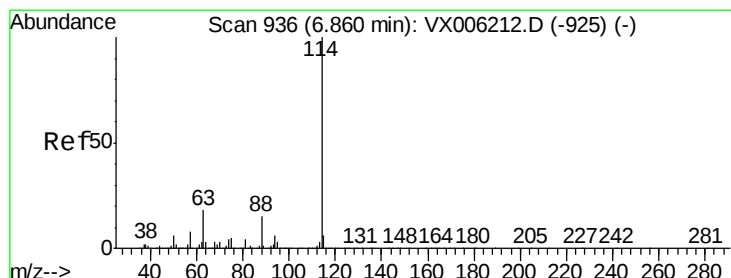
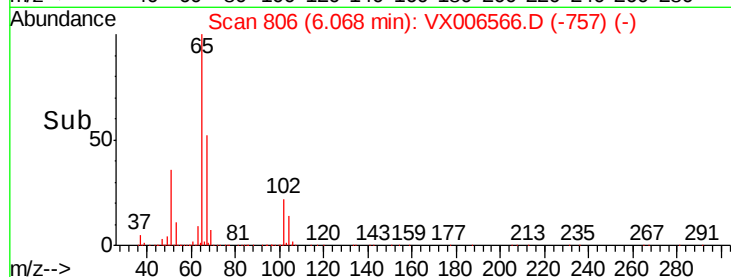
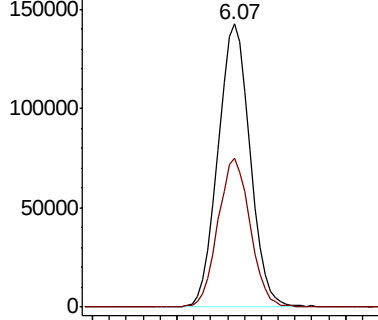
65 100

67 52.8 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006566.D

Acq: 17 Dec 2018 12:19

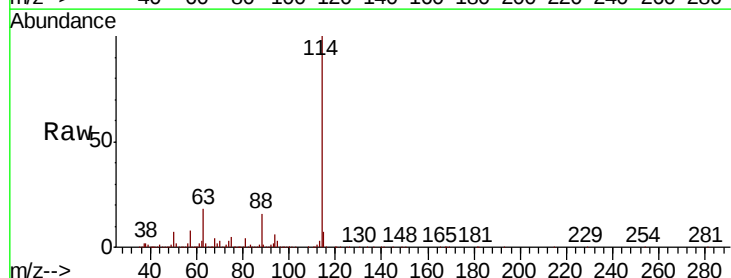
Tgt Ion: 114 Resp: 1068584

Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.6

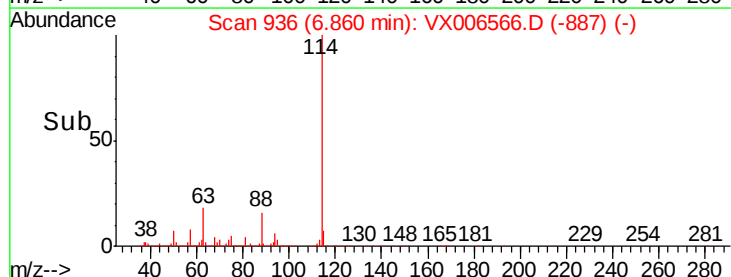
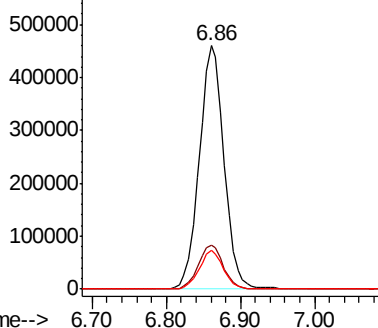
88 16.0 0.0 29.0

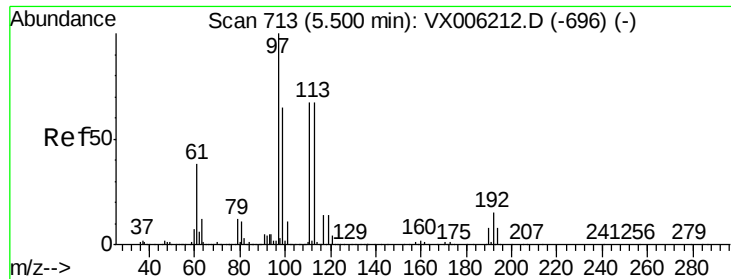


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.667 ug/l

RT: 5.51 min Scan# 714

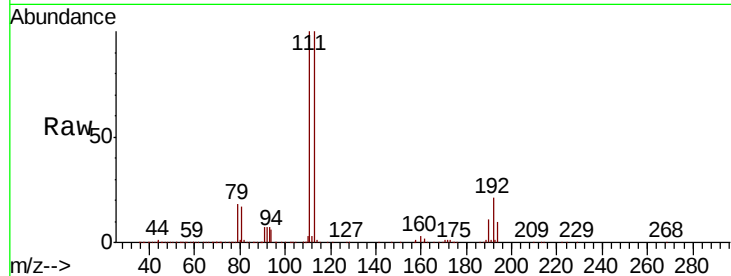
Delta R.T. 0.01 min

Lab File: VX006566.D

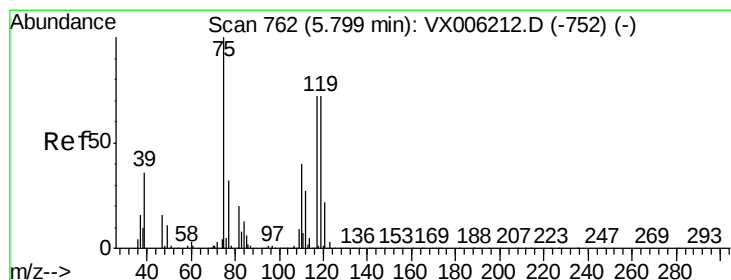
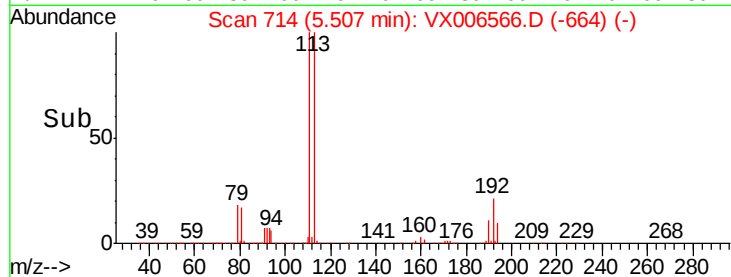
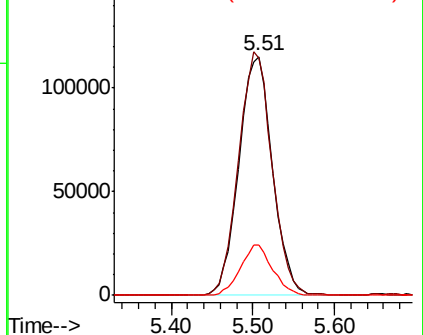
Acq: 17 Dec 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	113	Resp:	329792
Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.1	121.7
192	20.2	18.2	27.2



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: 4.983 ug/l

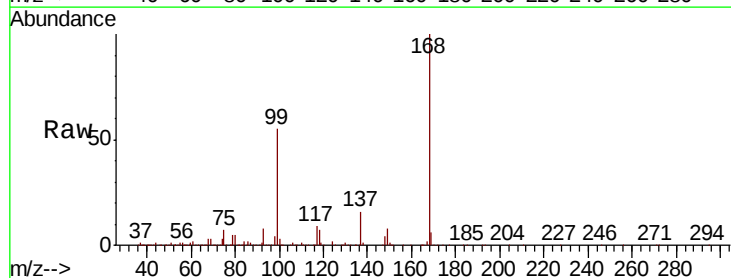
RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

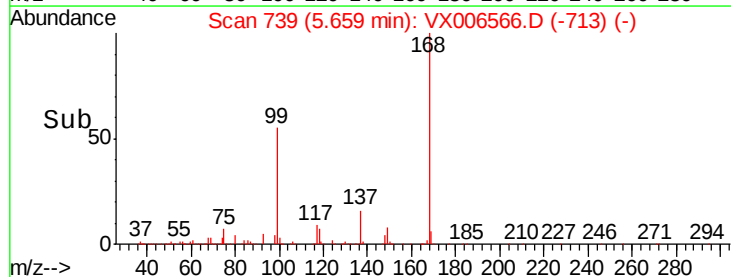
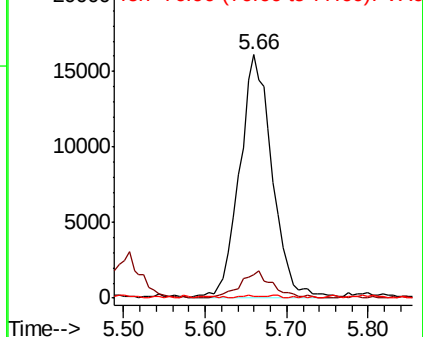
Lab File: VX006566.D

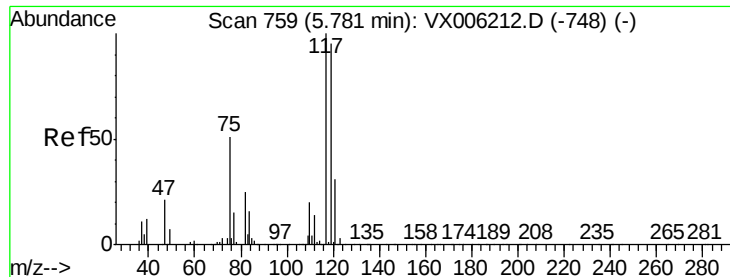
Acq: 17 Dec 2018 12:19

Tgt Ion:	75	Resp:	44837
Ion	Ratio	Lower	Upper
75	100		
110	10.8	20.4	61.3#
77	0.8	24.9	37.3#



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: 6.121 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006566.D

Acq: 17 Dec 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

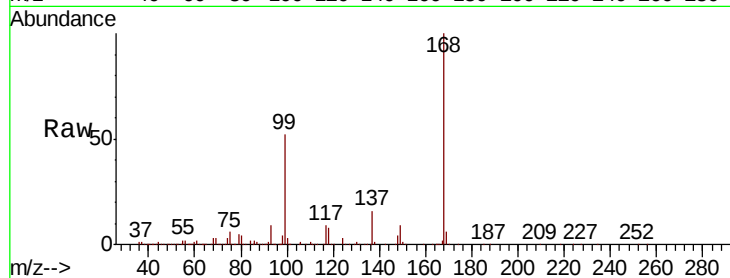
Tot Ion:117 Resp: 64795

Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.8#

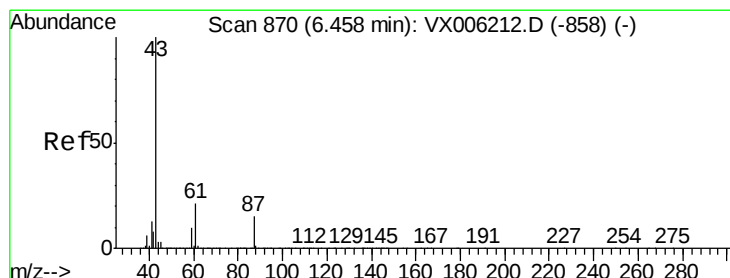
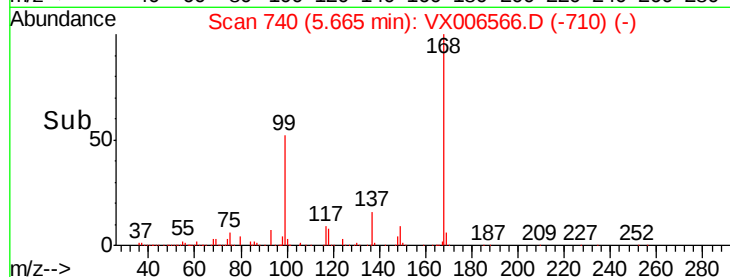
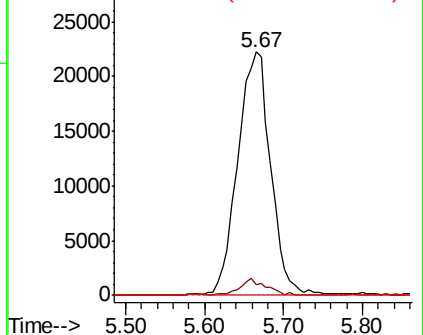
121 0.0 24.6 37.0#



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



#43

Isopropyl Acetate

Concen: 0.322 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX006566.D

Acq: 17 Dec 2018 12:19

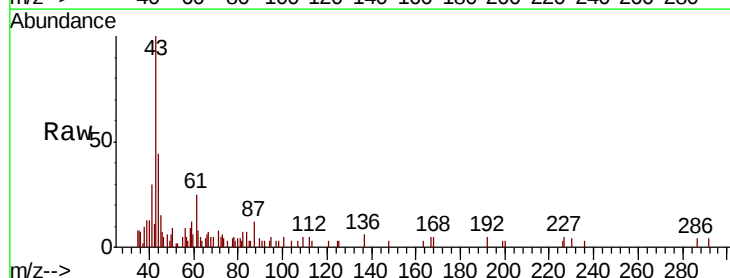
Tgt Ion: 43 Resp: 5407

Ion Ratio Lower Upper

43 100

61 25.7 16.8 25.2#

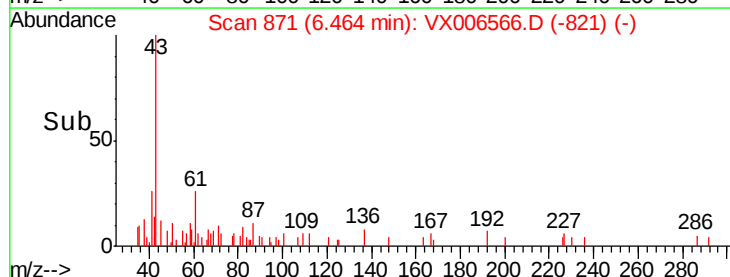
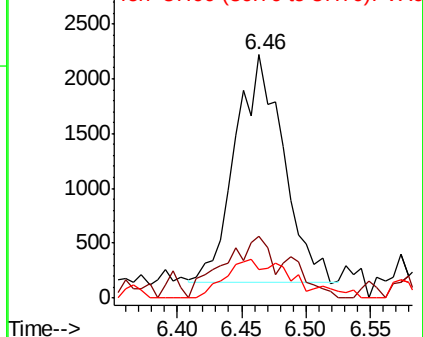
87 21.5 11.9 17.9#

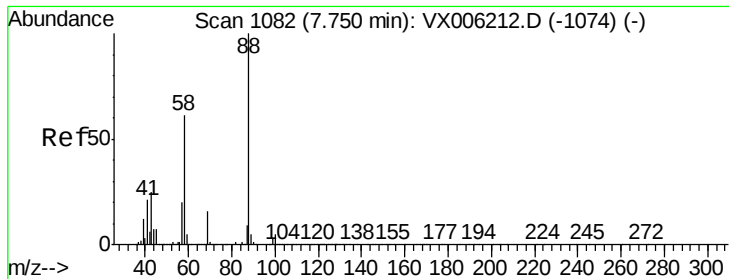


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

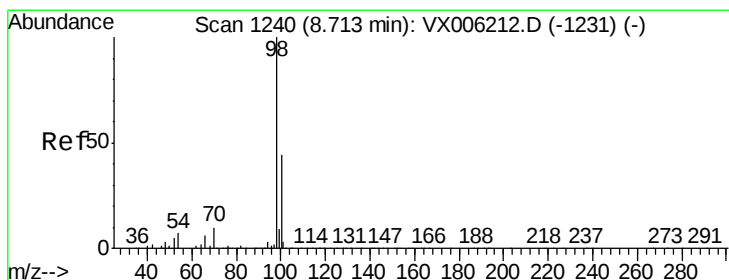
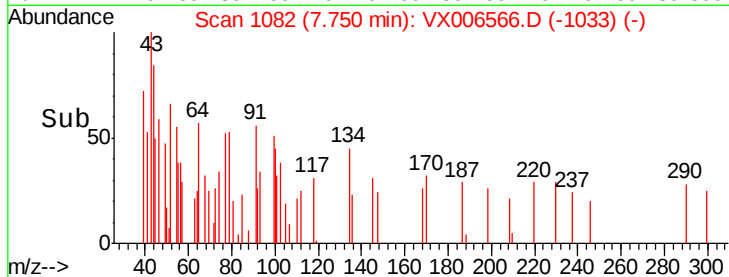
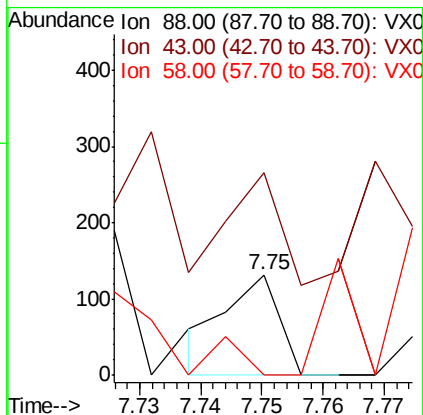
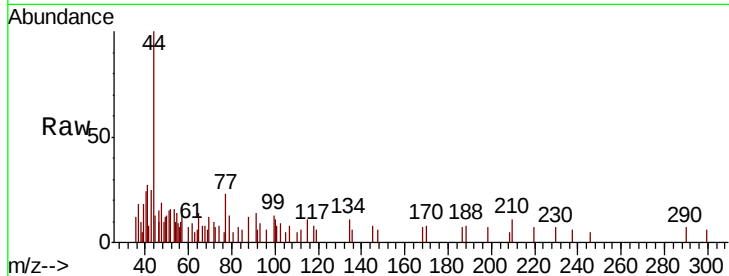




#49
1,4-Dioxane
Concen: 0.387 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006566.D
Acq: 17 Dec 2018 12:19

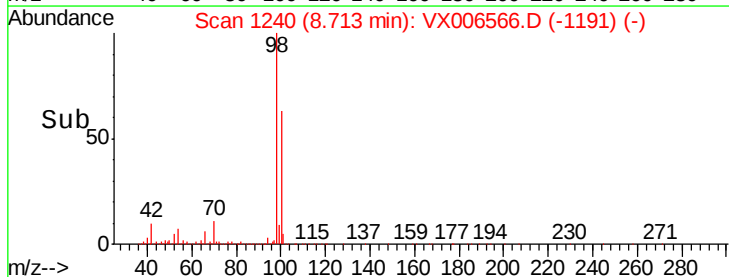
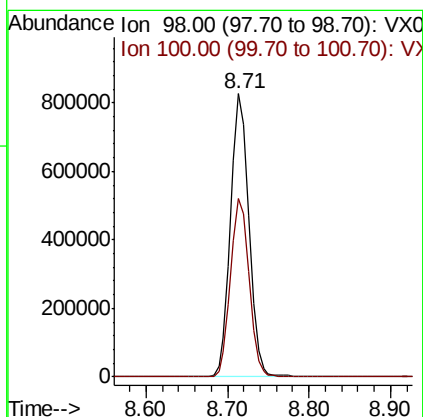
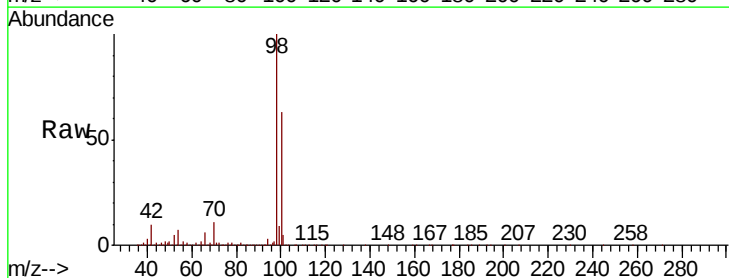
Instrument :
MSVOA_X
ClientSampleId :

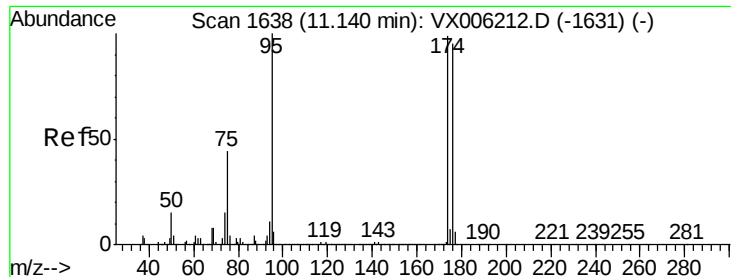
Tot Ion: 88 Resp: 78
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 0.0 51.4 77.0#



#50
Toluene-d8
Concen: 50.917 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006566.D
Acq: 17 Dec 2018 12:19

Tgt Ion: 98 Resp: 1281391
Ion Ratio Lower Upper
98 100
100 63.7 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 49.075 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX006566.D

Acq: 17 Dec 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

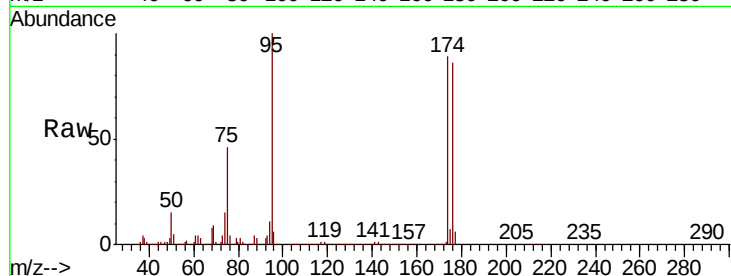
Tot Ion: 95 Resp: 465392

Ion Ratio Lower Upper

95 100

174 84.2 0.0 187.0

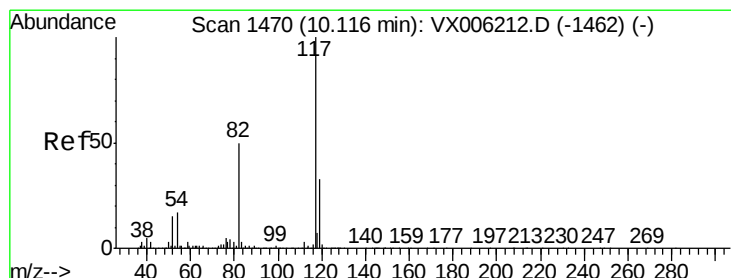
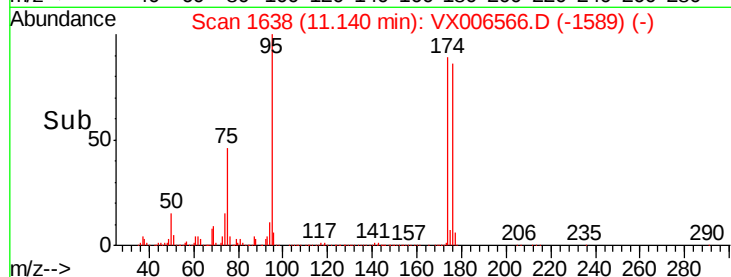
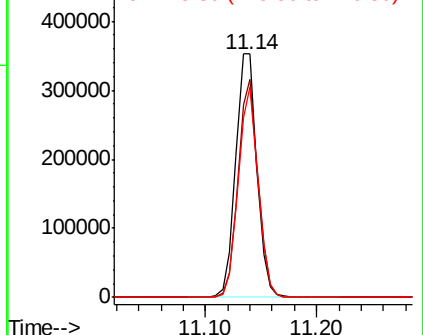
176 81.2 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX006566.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX006566.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX006566.D (-1589) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006566.D

Acq: 17 Dec 2018 12:19

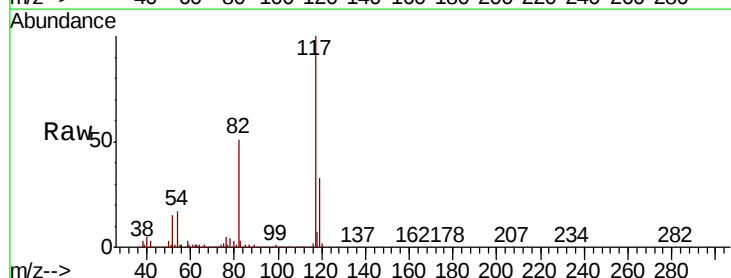
Tgt Ion: 117 Resp: 969517

Ion Ratio Lower Upper

117 100

82 51.0 39.6 59.4

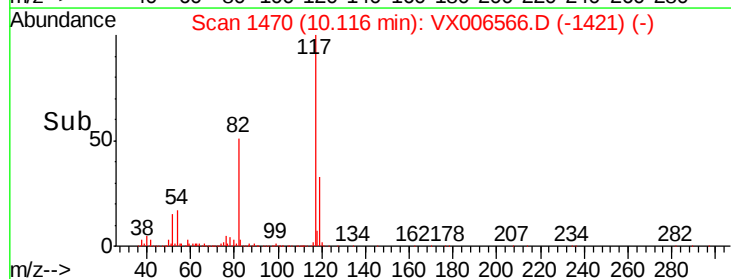
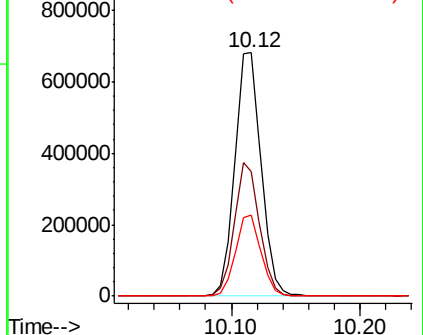
119 33.3 26.3 39.5

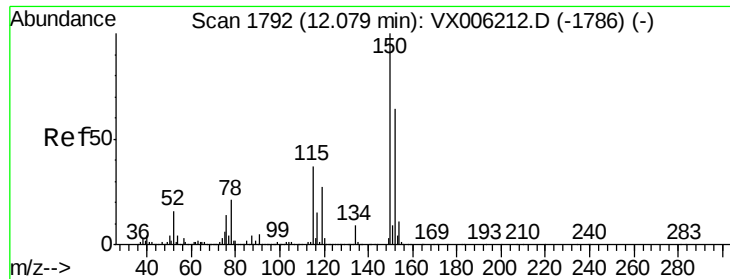


Abundance Ion 116.90 (116.60 to 117.60): VX006566.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX006566.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX006566.D (-1421) (-)



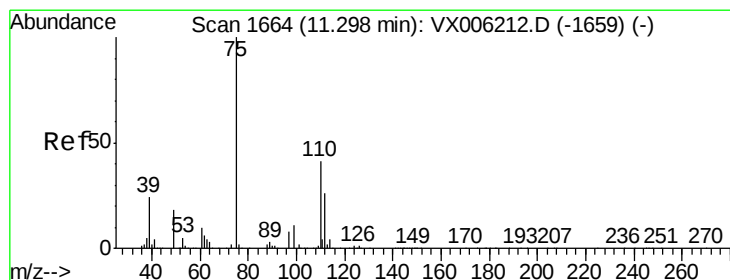
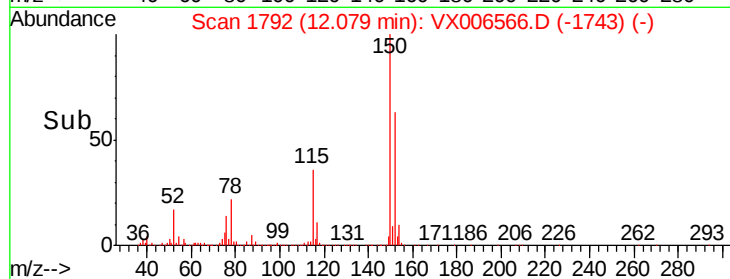
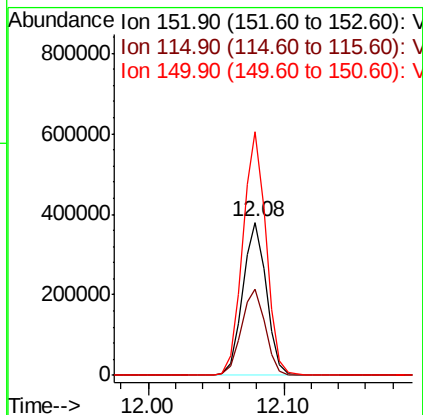
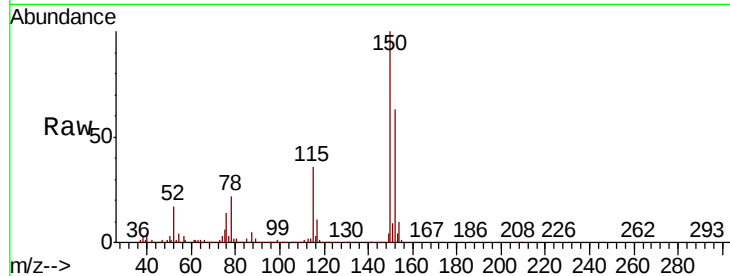


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006566.D
Acq: 17 Dec 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :

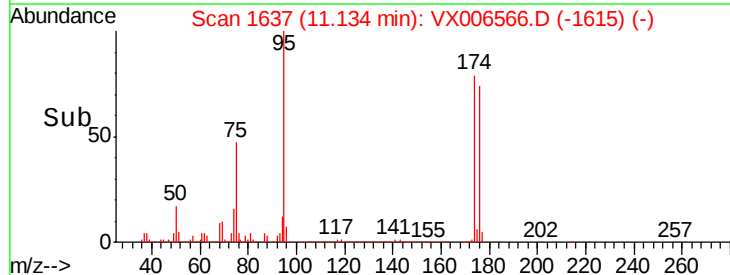
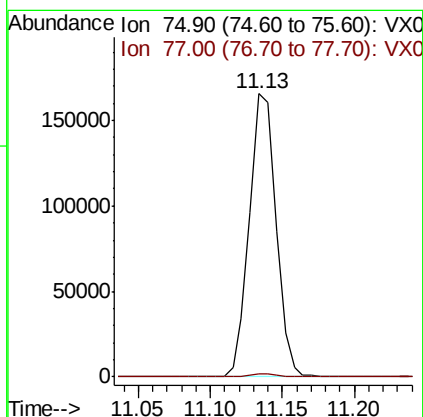
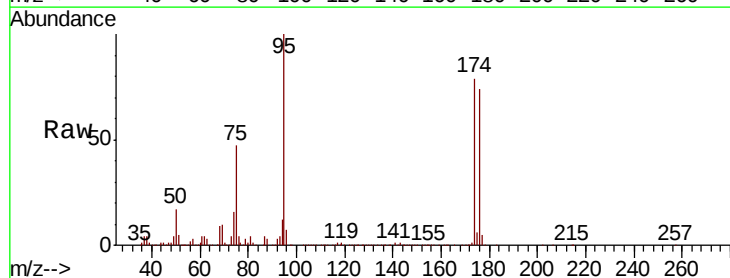
Tot Ion	Ratio	Lower	Upper
152	100		
115	57.5	39.0	116.9
150	156.9	0.0	345.8

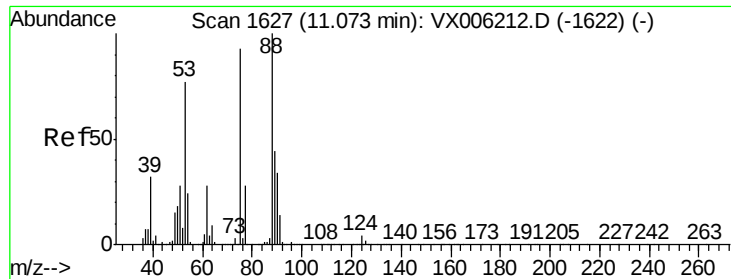


#76

1,2,3-Trichloropropane
Concen: 24.176 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006566.D
Acq: 17 Dec 2018 12:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	19.9	59.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 56.735 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX006566.D
Acq: 17 Dec 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 213284
Ion Ratio Lower Upper
75 100
53 0.0 64.4 96.6#
89 0.0 44.2 66.4#

