

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121718\
 Data File : VX006572.D
 Acq On : 17 Dec 2018 14:59
 Operator : JC/MD
 Sample : J6405-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 18 00:39:44 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	683457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1081583	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	982832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	469861	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	376458	53.96	ug/l	0.00
Spiked Amount			Recovery	=	107.92%	
35) Dibromofluoromethane	5.50	113	329270	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
50) Toluene-d8	8.71	98	1292167	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	11.13	95	471092	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	

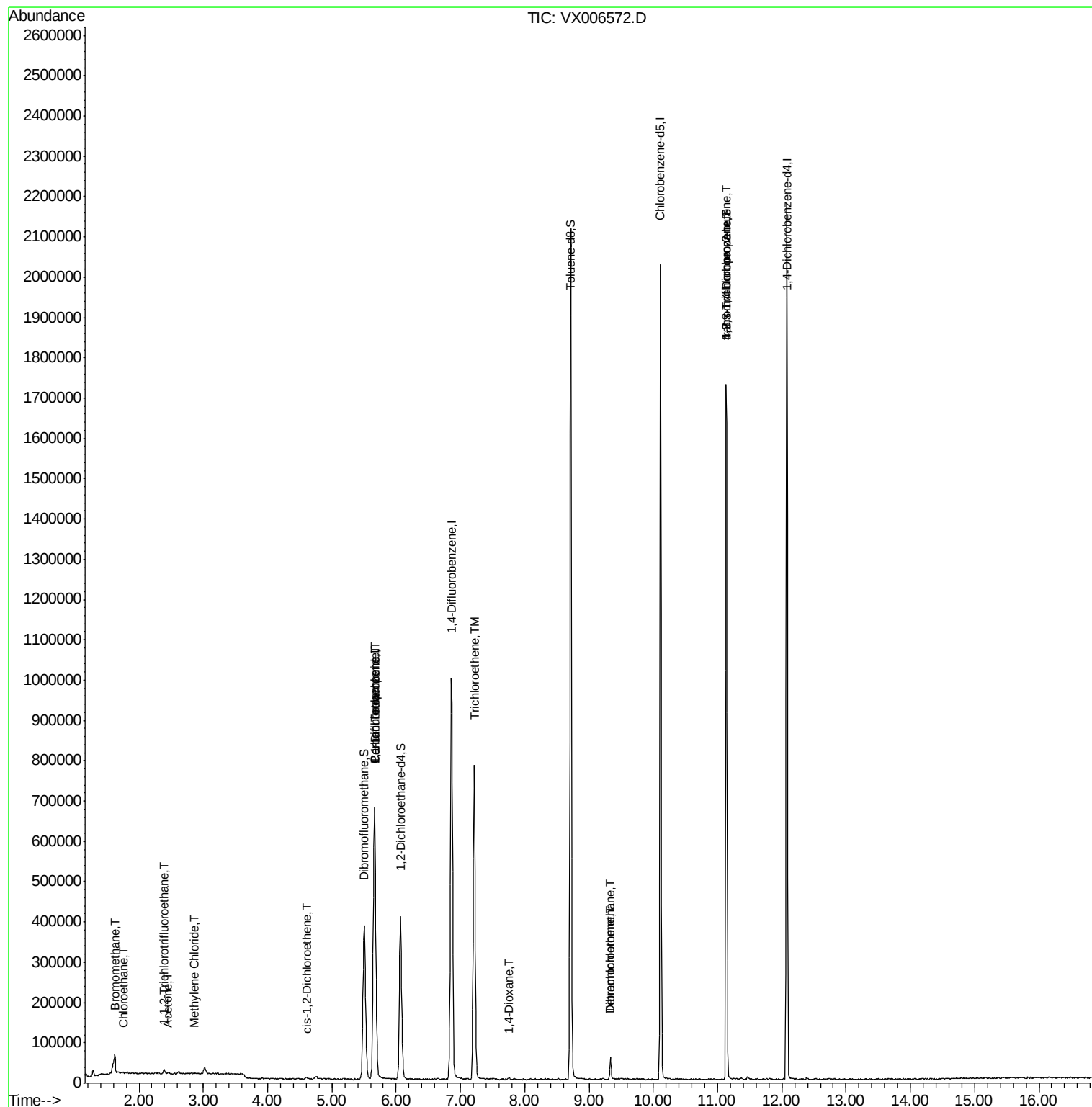
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	1574	0.307	ug/l #	47
6) Chloroethane	1.75	64	1002	0.221	ug/l #	43
9) 1,1,2-Trichlorotrifluoroet	2.39	101	3538	0.548	ug/l	85
16) Acetone	2.44	43	2466	0.753	ug/l #	59
20) Methylene Chloride	2.86	84	1779	0.255	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	2526	0.344	ug/l	73
36) 1,1-Dichloropropene	5.66	75	44711	4.909	ug/l #	48
38) Carbon Tetrachloride	5.67	117	64613	6.030	ug/l #	17
44) Trichloroethene	7.21	130	315260	38.148	ug/l	97
49) 1,4-Dioxane	7.76	88	2818	13.820	ug/l #	70
60) Dibromochloromethane	9.34	129	10017	1.114	ug/l #	11
64) Tetrachloroethene	9.34	164	10898	1.472	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	218552	24.099	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	218552	56.553	ug/l #	15

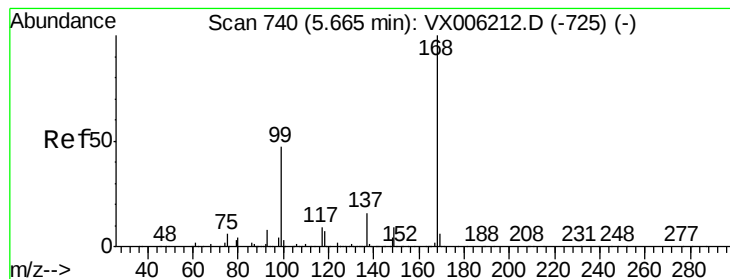
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006572.D

Acq: 17 Dec 2018 14:59

Instrument :

MSVOA_X

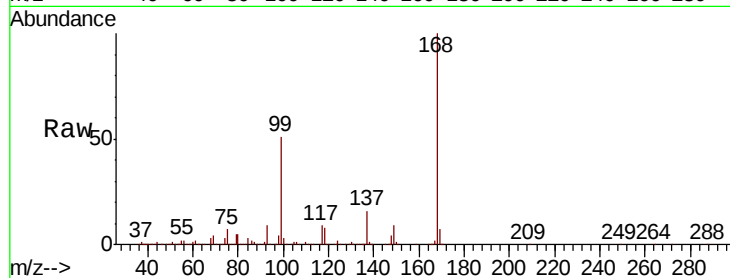
ClientSampleId :

Tot Ion:168 Resp: 683457

Ion Ratio Lower Upper

168 100

99 51.4 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

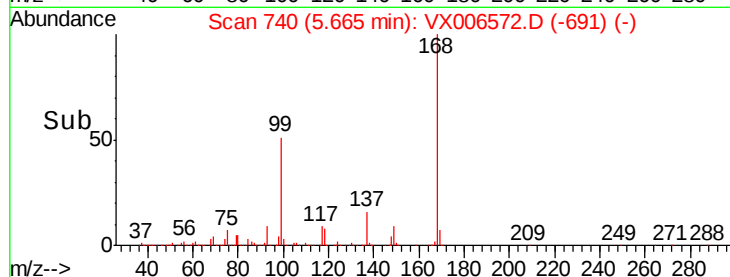
100000

50000

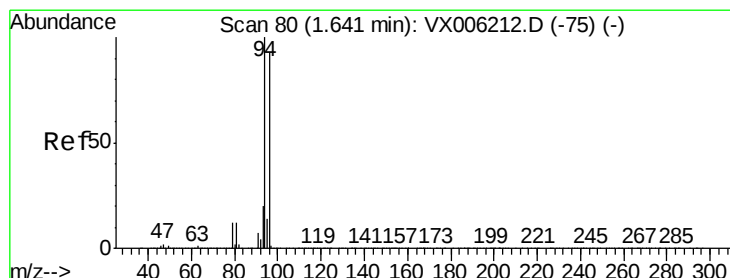
0

5.67

5.60 5.70 5.80



Time-->



#5

Bromomethane

Concen: 0.307 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX006572.D

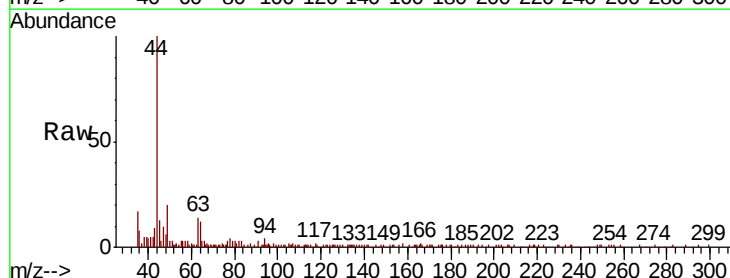
Acq: 17 Dec 2018 14:59

Tgt Ion: 94 Resp: 1574

Ion Ratio Lower Upper

94 100

96 42.0 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

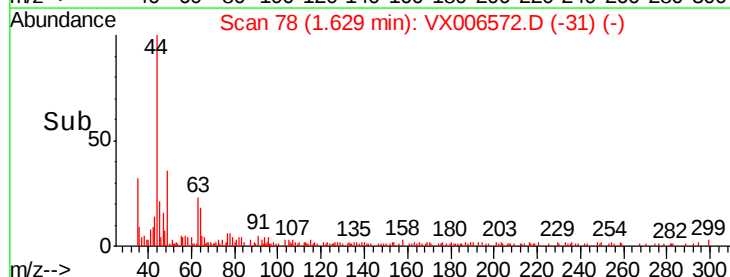
200

100

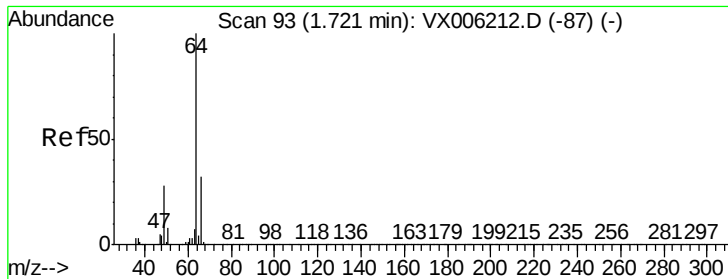
0

1.63

1.55 1.60 1.65



Time-->



#6

Chloroethane

Concen: 0.221 ug/l

RT: 1.75 min Scan# 98

Delta R.T. 0.03 min

Lab File: VX006572.D

Acq: 17 Dec 2018 14:59

Instrument :

MSVOA_X

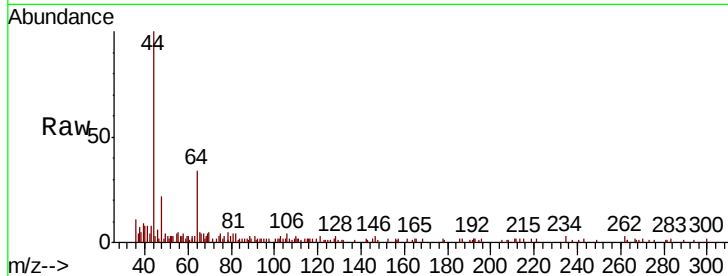
ClientSampleId :

Tot Ion: 64 Resp: 1002

Ion Ratio Lower Upper

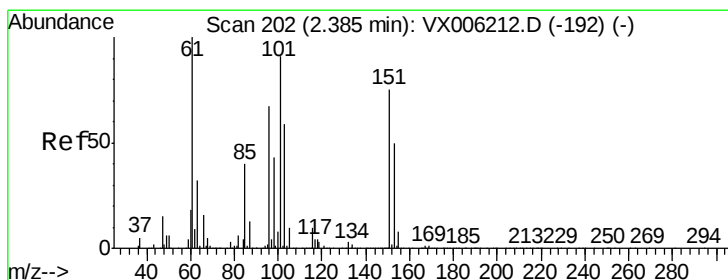
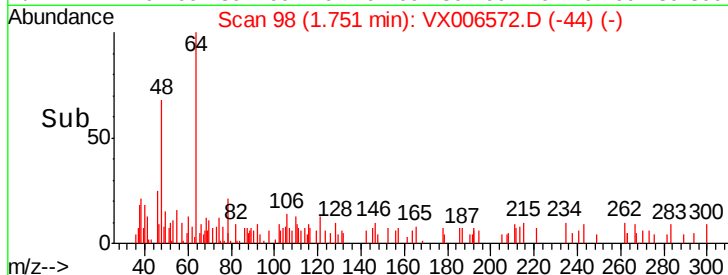
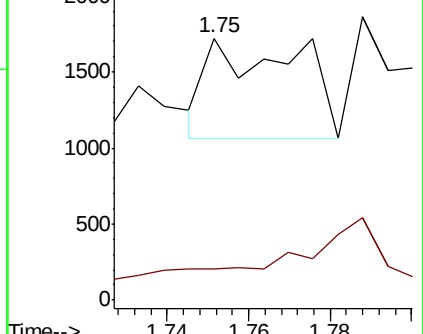
64 100

66 0.6 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.548 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX006572.D

Acq: 17 Dec 2018 14:59

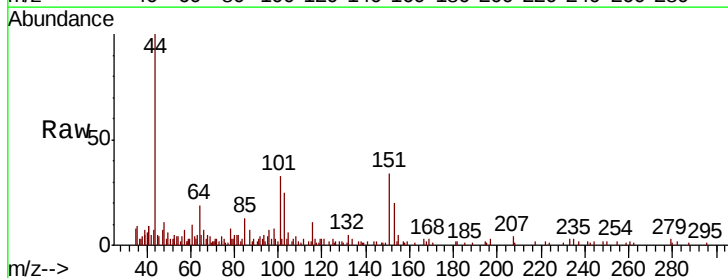
Tgt Ion:101 Resp: 3538

Ion Ratio Lower Upper

101 100

85 49.9 35.5 53.3

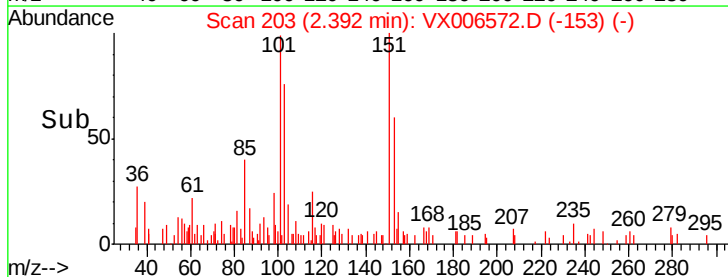
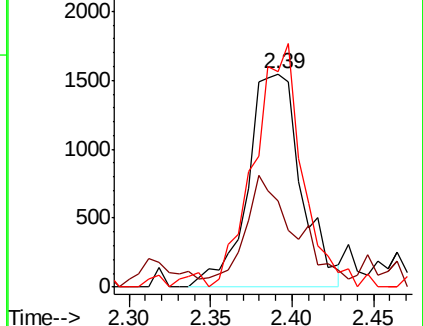
151 102.2 68.6 103.0

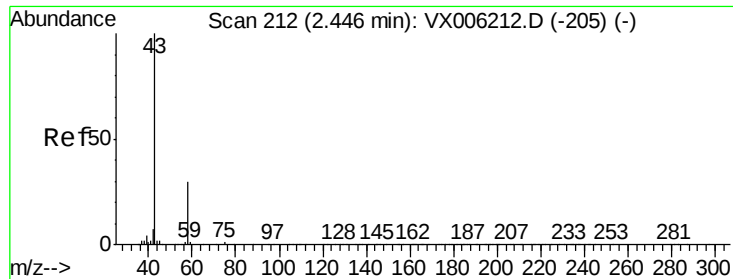


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

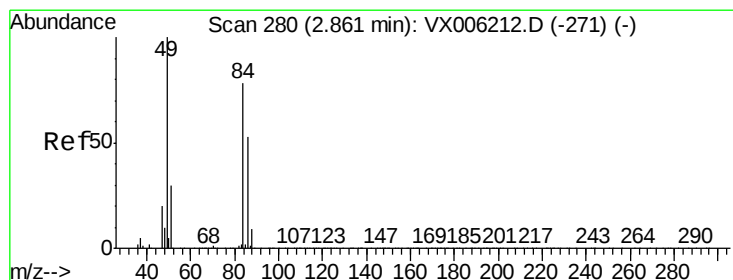
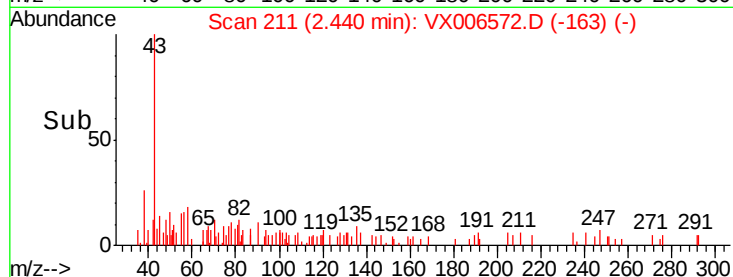
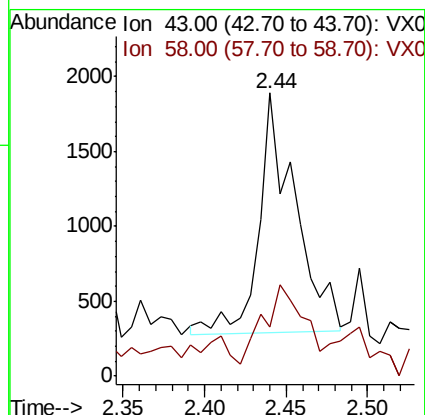
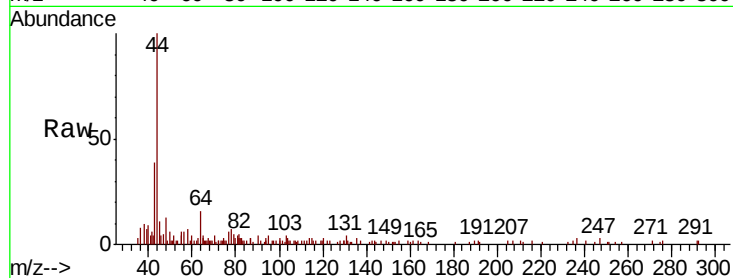




#16
Acetone
Concen: 0.753 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX006572.D
Acq: 17 Dec 2018 14:59

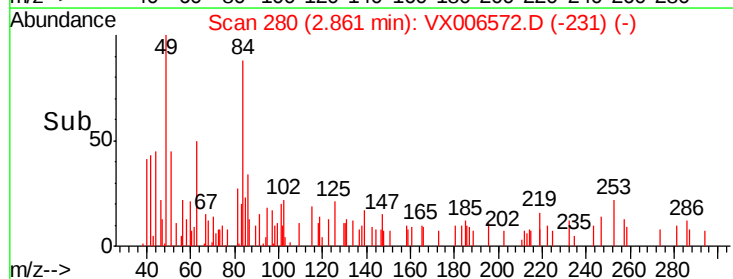
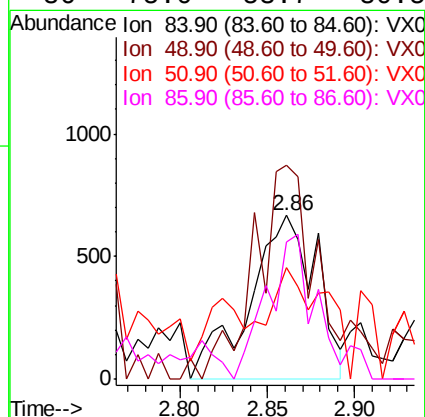
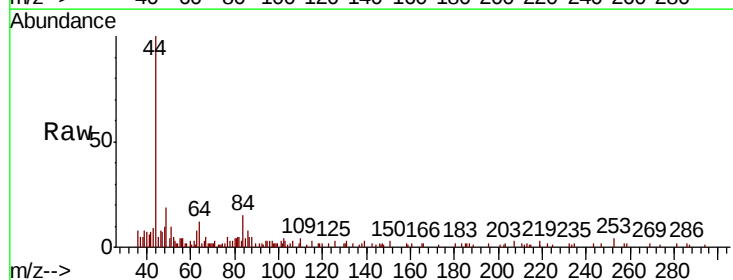
Instrument :
MSVOA_X
ClientSampleId :

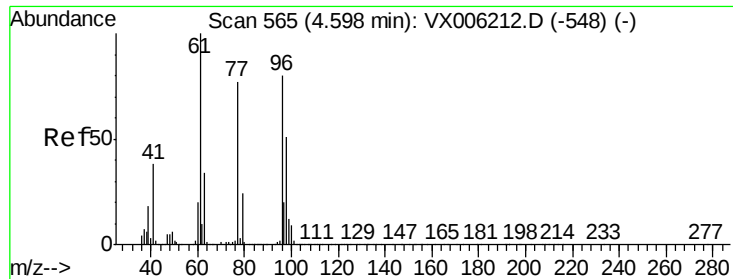
Tot Ion: 43 Resp: 2466
Ion Ratio Lower Upper
43 100
58 7.6 24.0 36.0#



#20
Methylene Chloride
Concen: 0.255 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006572.D
Acq: 17 Dec 2018 14:59

Tgt Ion: 84 Resp: 1779
Ion Ratio Lower Upper
84 100
49 118.3 102.2 153.4
51 43.1 31.1 46.7
86 75.0 53.7 80.5



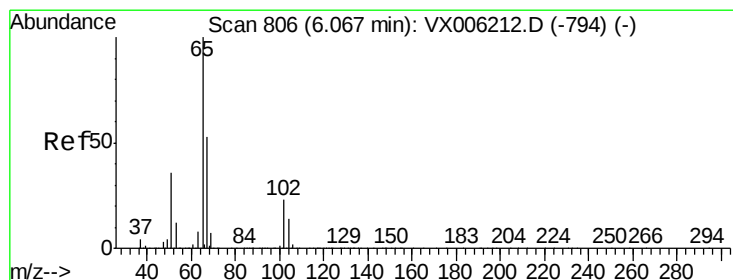
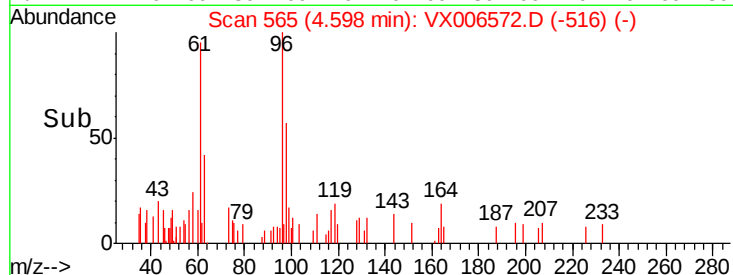
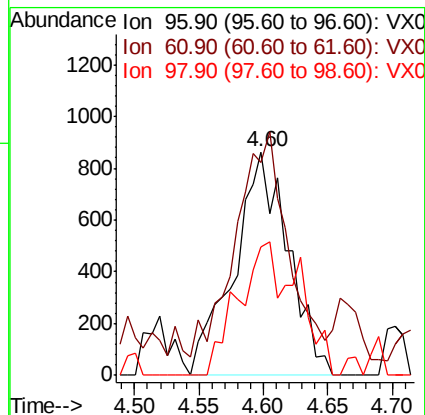
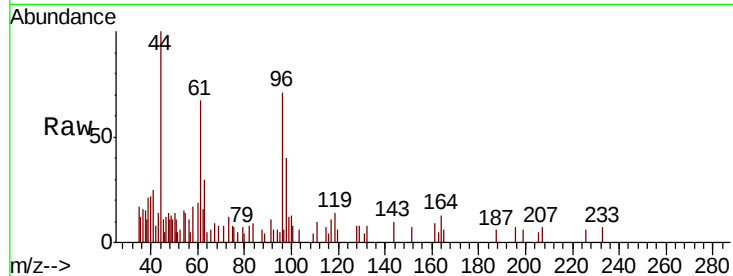


#27

cis-1,2-Dichloroethene
Concen: 0.344 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006572.D
Acq: 17 Dec 2018 14:59

Instrument :
MSVOA_X
ClientSampled :

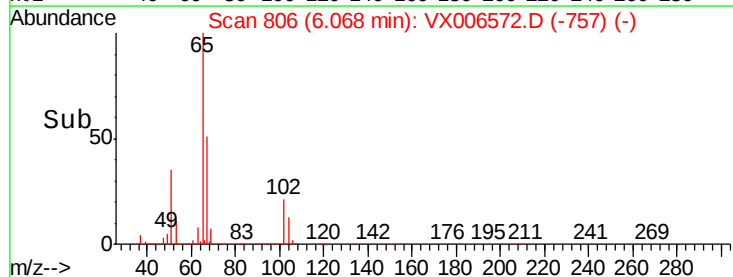
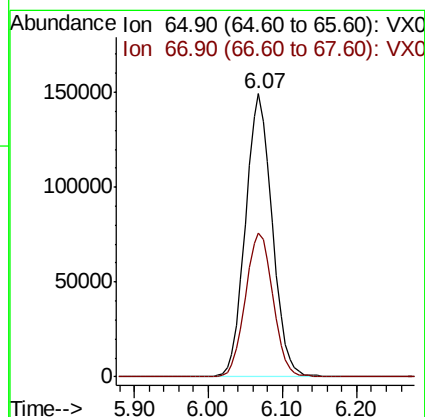
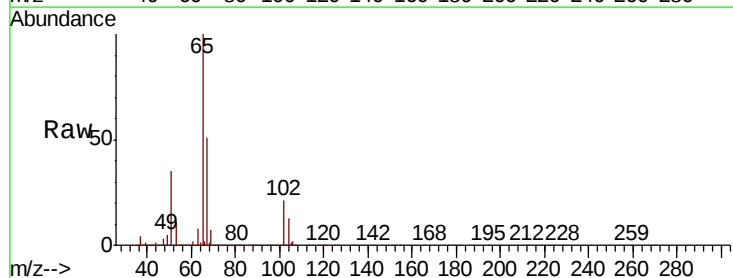
Tot Ion: 96 Resp: 2526
Ion Ratio Lower Upper
96 100
61 98.5 0.0 265.0
98 46.5 0.0 130.2

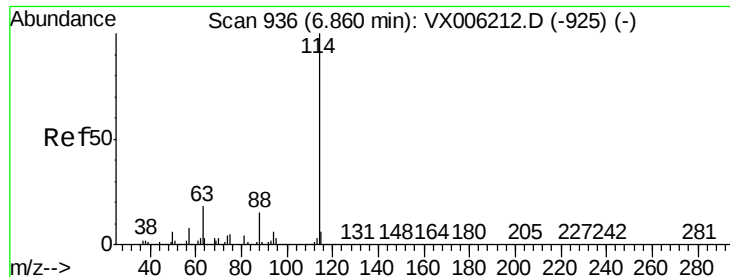


#33

1,2-Dichloroethane-d4
Concen: 53.957 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006572.D
Acq: 17 Dec 2018 14:59

Tgt Ion: 65 Resp: 376458
Ion Ratio Lower Upper
65 100
67 52.7 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006572.D

Acq: 17 Dec 2018 14:59

Instrument :

MSVOA_X

ClientSampleId :

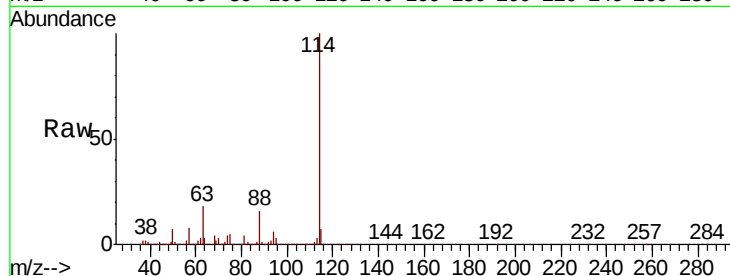
Tot Ion:114 Resp: 1081583

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.6

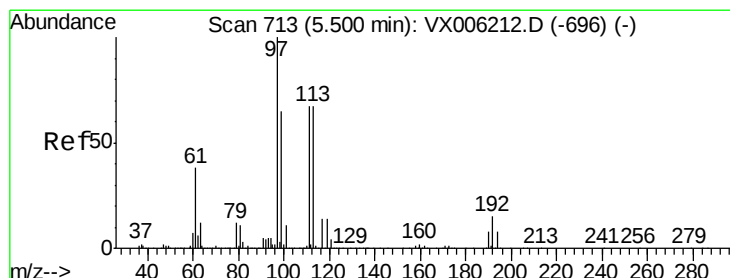
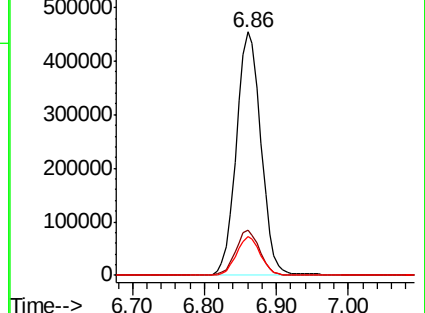
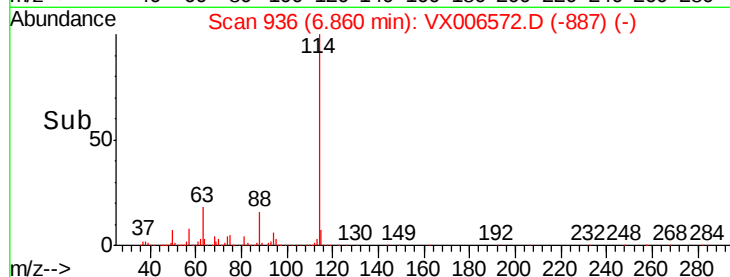
88 15.9 0.0 29.0



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: 47.020 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006572.D

Acq: 17 Dec 2018 14:59

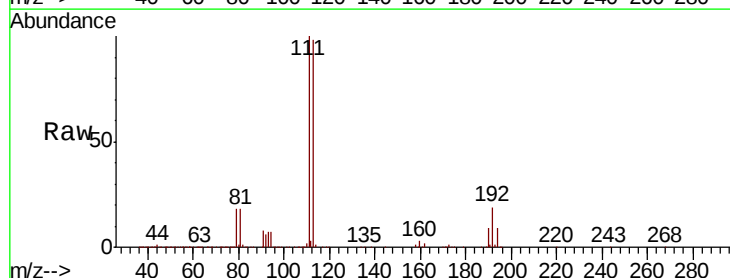
Tgt Ion:113 Resp: 329270

Ion Ratio Lower Upper

113 100

111 101.9 81.1 121.7

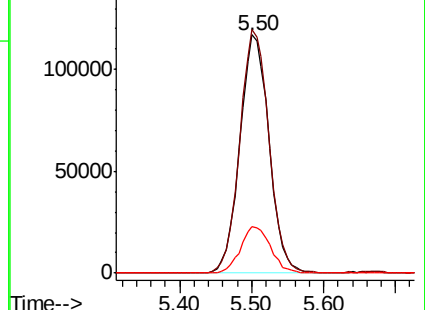
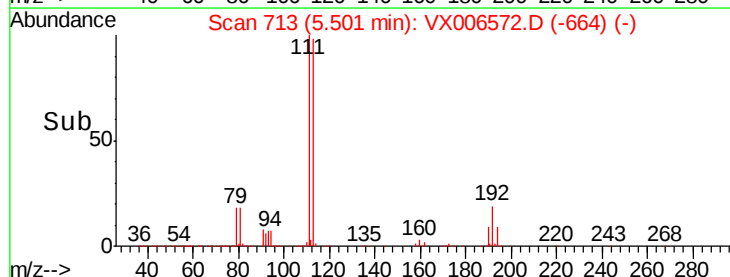
192 20.0 18.2 27.2

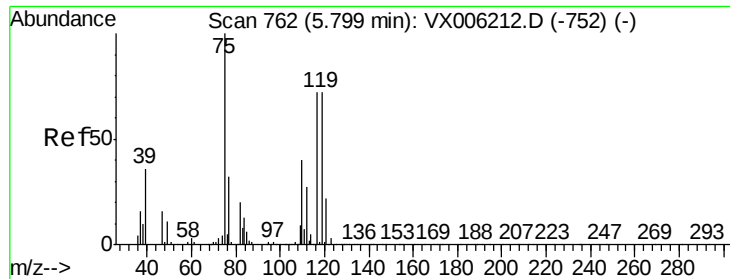


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.909 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006572.D

Acq: 17 Dec 2018 14:59

Instrument :

MSVOA_X

ClientSampleId :

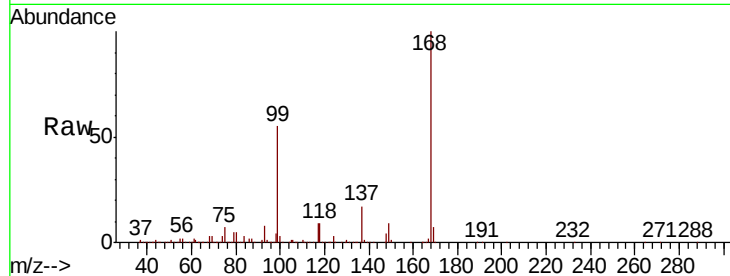
Tot Ion: 75 Resp: 44711

Ion Ratio Lower Upper

75 100

110 10.5 20.4 61.3#

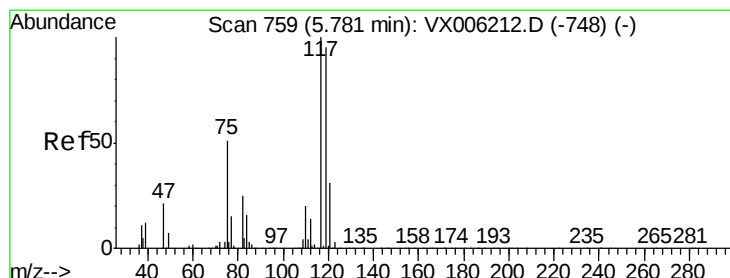
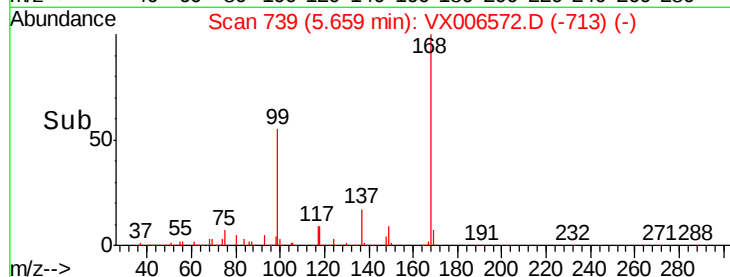
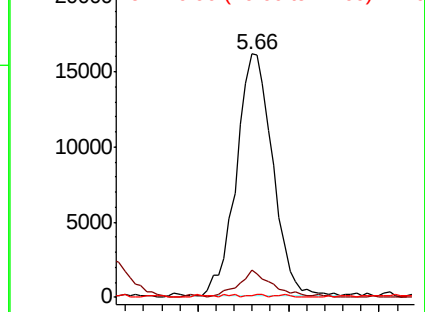
77 0.5 24.9 37.3#



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: 6.030 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.11 min

Lab File: VX006572.D

Acq: 17 Dec 2018 14:59

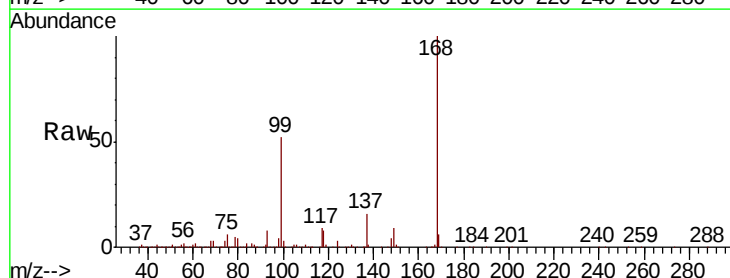
Tgt Ion: 117 Resp: 64613

Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.8#

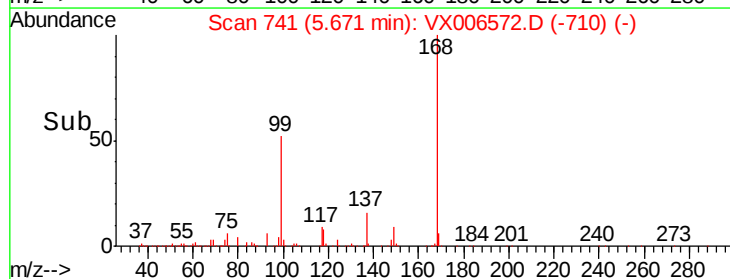
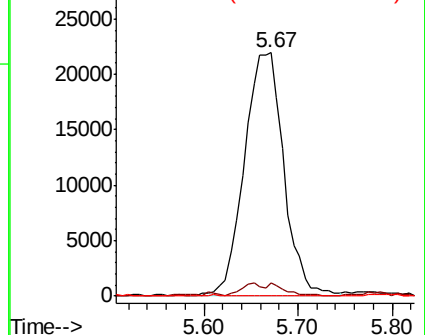
121 0.0 24.6 37.0#

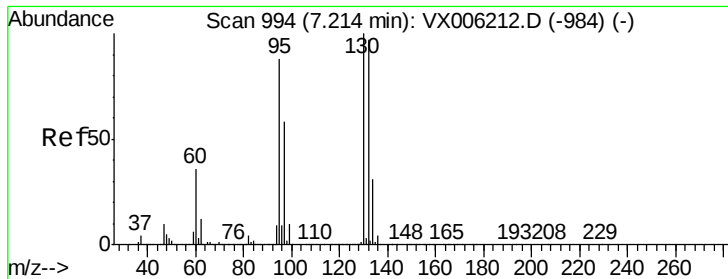


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 38.148 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006572.D

Acq: 17 Dec 2018 14:59

Instrument :

MSVOA_X

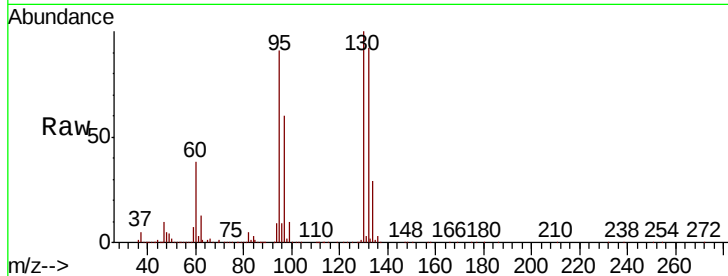
ClientSampleId :

Tot Ion:130 Resp: 315260

Ion Ratio Lower Upper

130 100

95 90.7 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

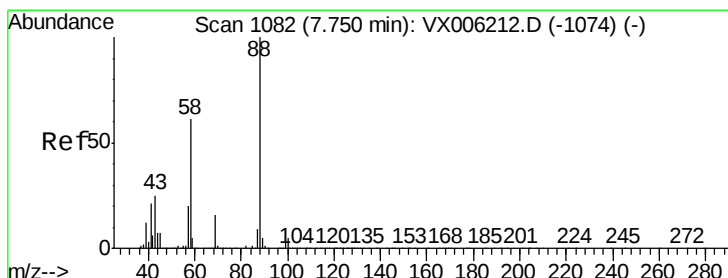
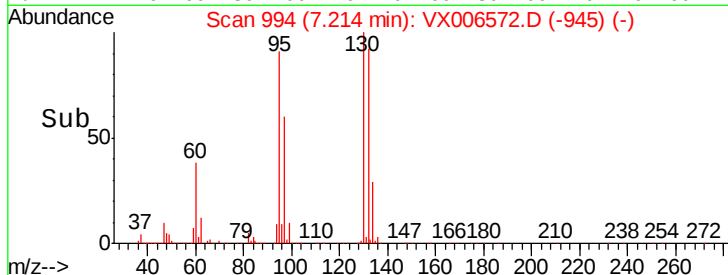
150000

100000

50000

0

Time-->



#49

1,4-Dioxane

Concen: 13.820 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006572.D

Acq: 17 Dec 2018 14:59

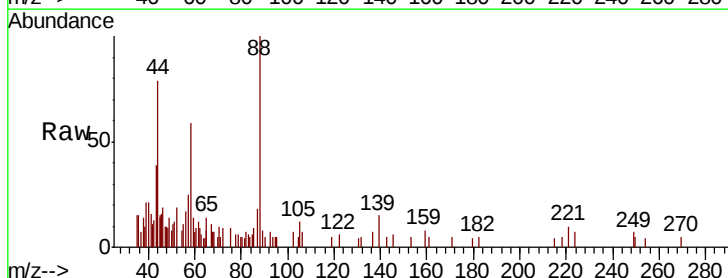
Tgt Ion: 88 Resp: 2818

Ion Ratio Lower Upper

88 100

43 57.8 23.2 34.8#

58 49.6 51.4 77.0#



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

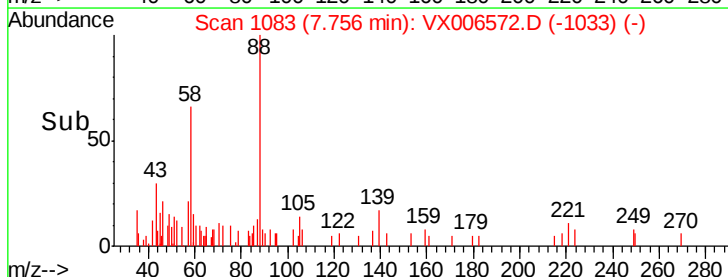
1500

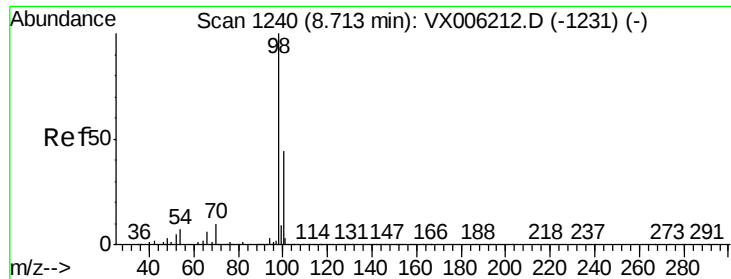
1000

500

0

Time-->





#50

Toluene-d8

Concen: 50.728 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006572.D

Acq: 17 Dec 2018 14:59

Instrument :

MSVOA_X

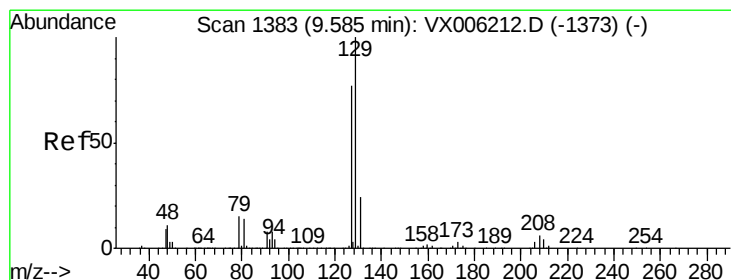
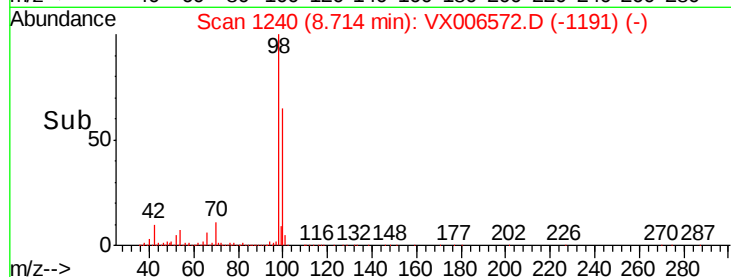
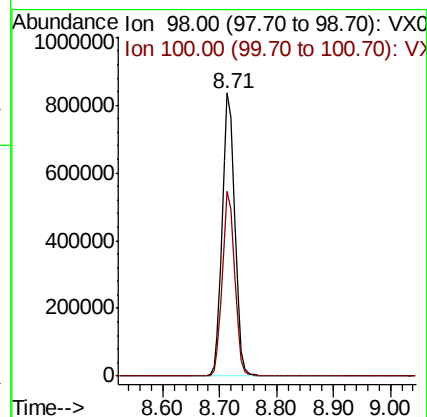
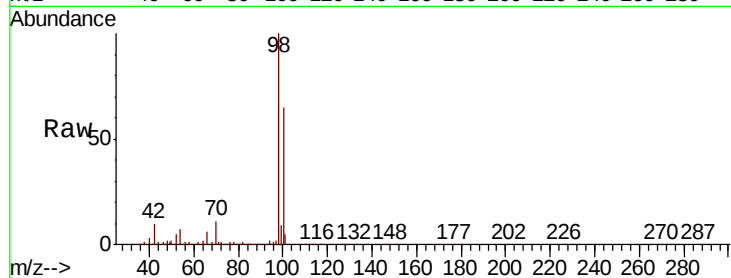
ClientSampleId :

Tot Ion: 98 Resp: 1292167

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.2



#60

Dibromochloromethane

Concen: 1.114 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.25 min

Lab File: VX006572.D

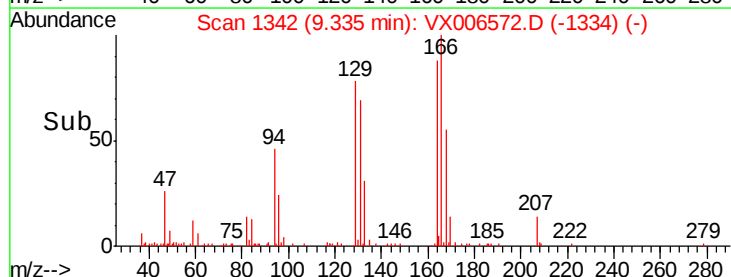
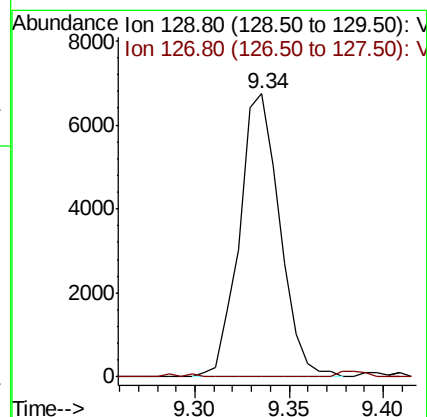
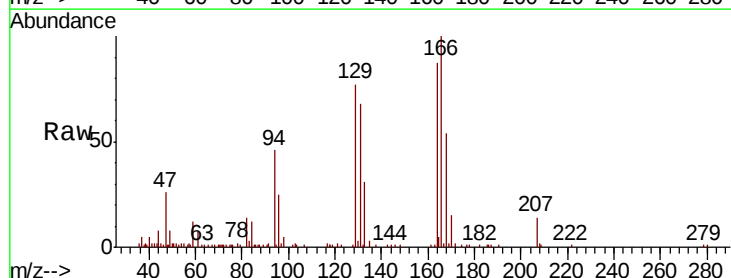
Acq: 17 Dec 2018 14:59

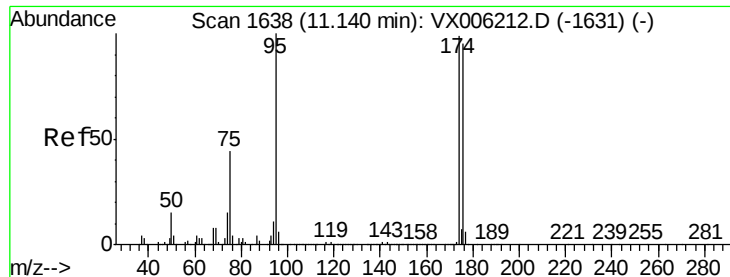
Tgt Ion:129 Resp: 10017

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#

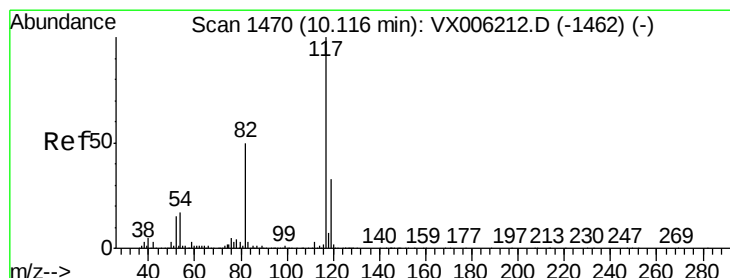
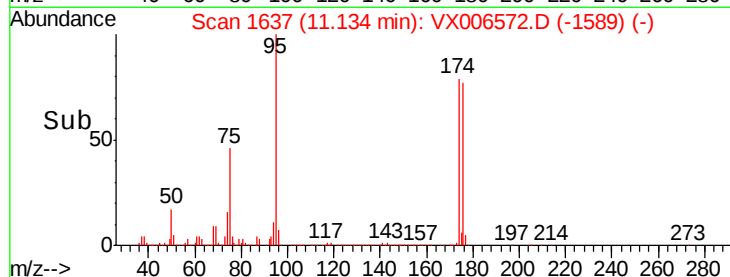
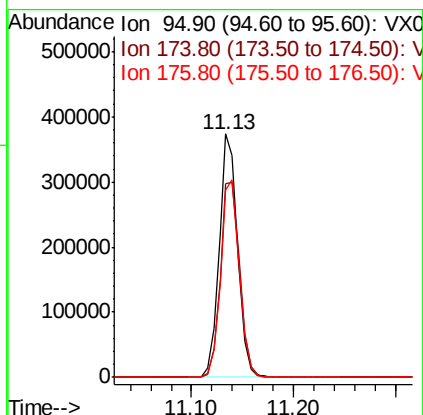
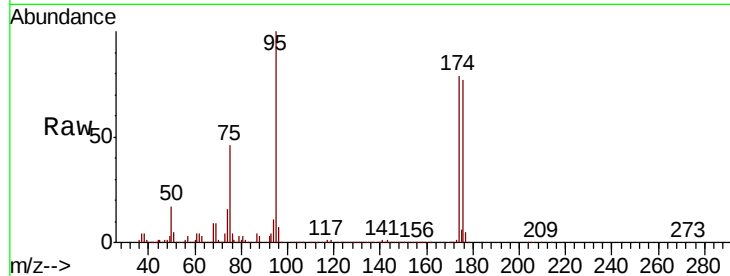




#62
4-Bromofluorobenzene
Concen: 49.079 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX006572.D
Acq: 17 Dec 2018 14:59

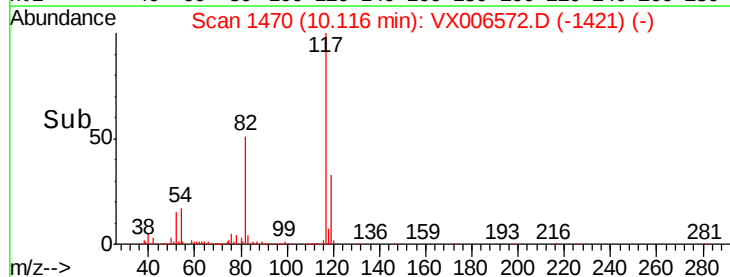
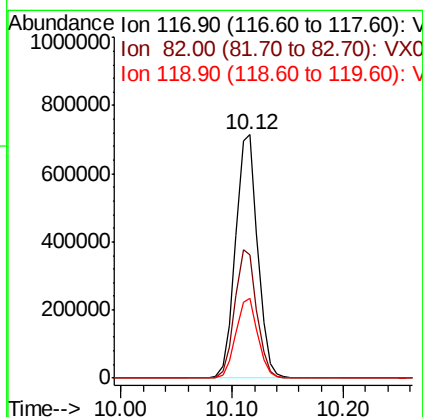
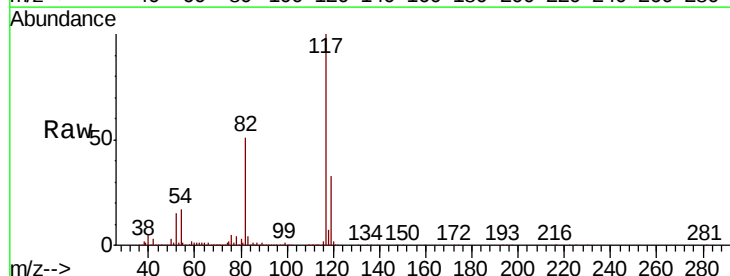
Instrument :
MSVOA_X
ClientSampled :

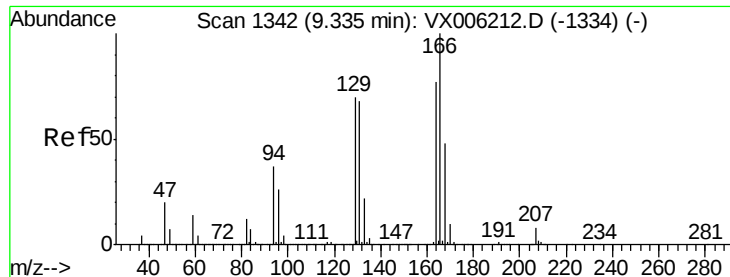
Tot Ion: 95 Resp: 471092
Ion Ratio Lower Upper
95 100
174 84.4 0.0 187.0
176 82.1 0.0 181.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006572.D
Acq: 17 Dec 2018 14:59

Tgt Ion: 117 Resp: 982832
Ion Ratio Lower Upper
117 100
82 50.7 39.6 59.4
119 32.7 26.3 39.5

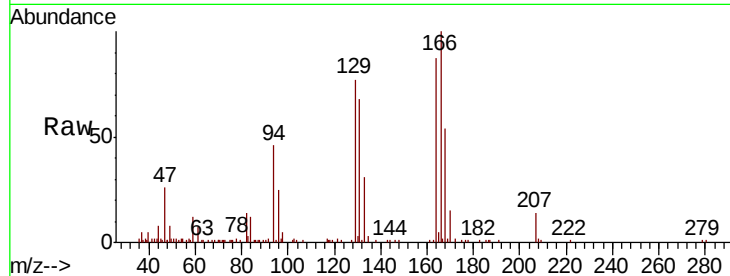




#64
Tetrachloroethene
Concen: 1.472 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006572.D
Acq: 17 Dec 2018 14:59

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
166	115.0	104.2	156.2
129	88.5	72.6	108.8
131	77.9	70.3	105.5



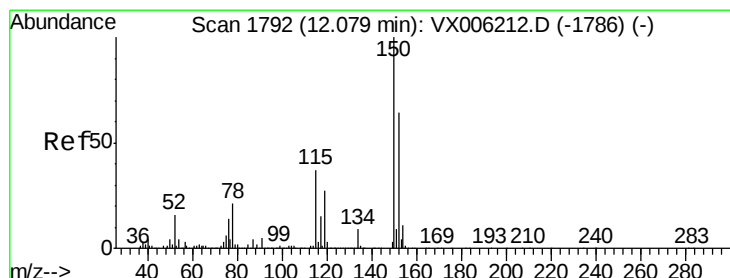
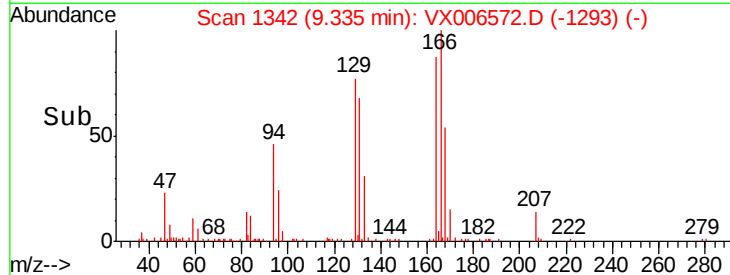
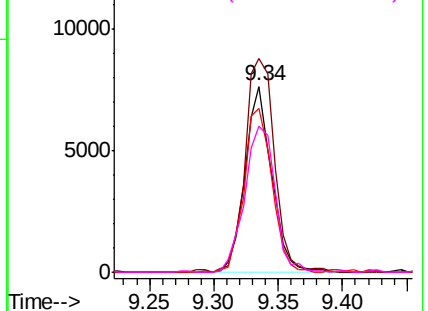
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

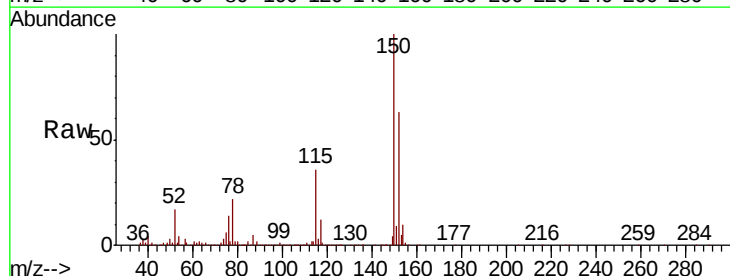
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006572.D
Acq: 17 Dec 2018 14:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	39.0	116.9
150	155.6	0.0	345.8

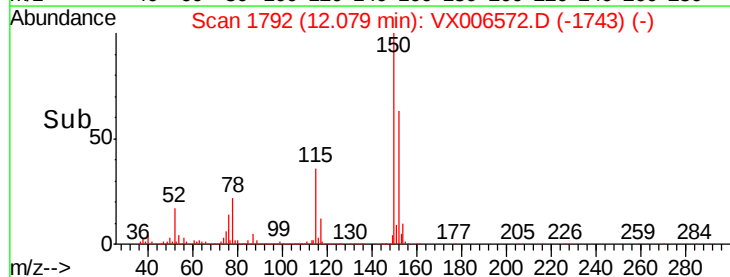
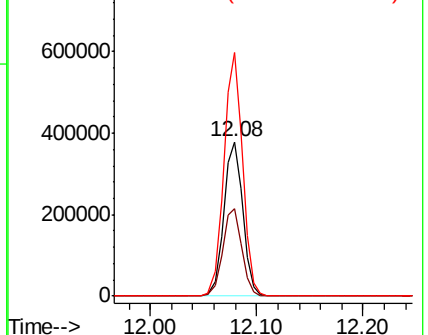


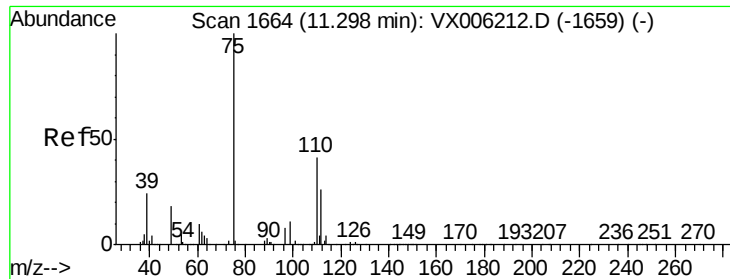
Abundance

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





#76

1,2,3-Trichloropropane

Concen: 24.099 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006572.D

Acq: 17 Dec 2018 14:59

Instrument :

MSVOA_X

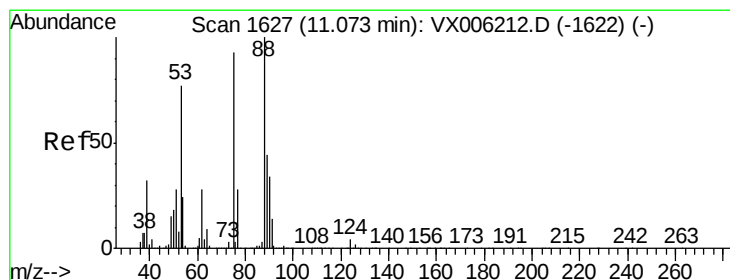
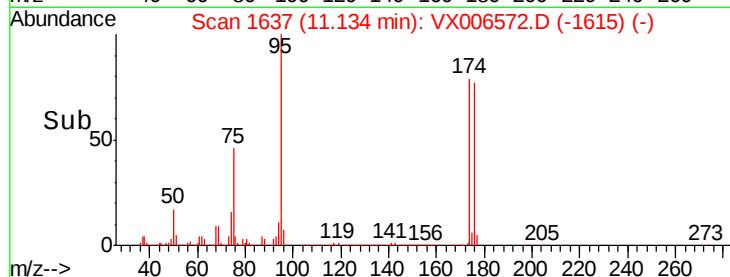
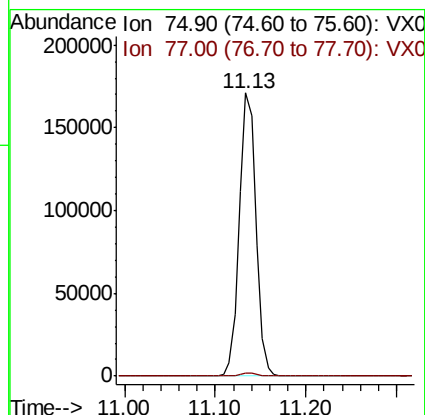
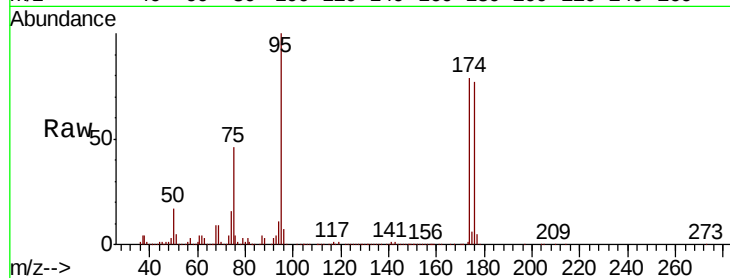
ClientSampleId :

Tot Ion: 75 Resp: 218552

Ion Ratio Lower Upper

75 100

77 1.4 19.9 59.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.553 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006572.D

Acq: 17 Dec 2018 14:59

Tgt Ion: 75 Resp: 218552

Ion Ratio Lower Upper

75 100

53 0.2 64.4 96.6#

89 0.1 44.2 66.4#

