

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121118\
 Data File : VX006426.D
 Acq On : 11 Dec 2018 17:44
 Operator : JC/MD
 Sample : J6324-02DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 12 04:37:58 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	5.66	168	745862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1142794	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1013742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	487501	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	371774	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
35) Dibromofluoromethane	5.50	113	349363	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	
50) Toluene-d8	8.71	98	1324007	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.14	95	471323	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	

Target Compounds

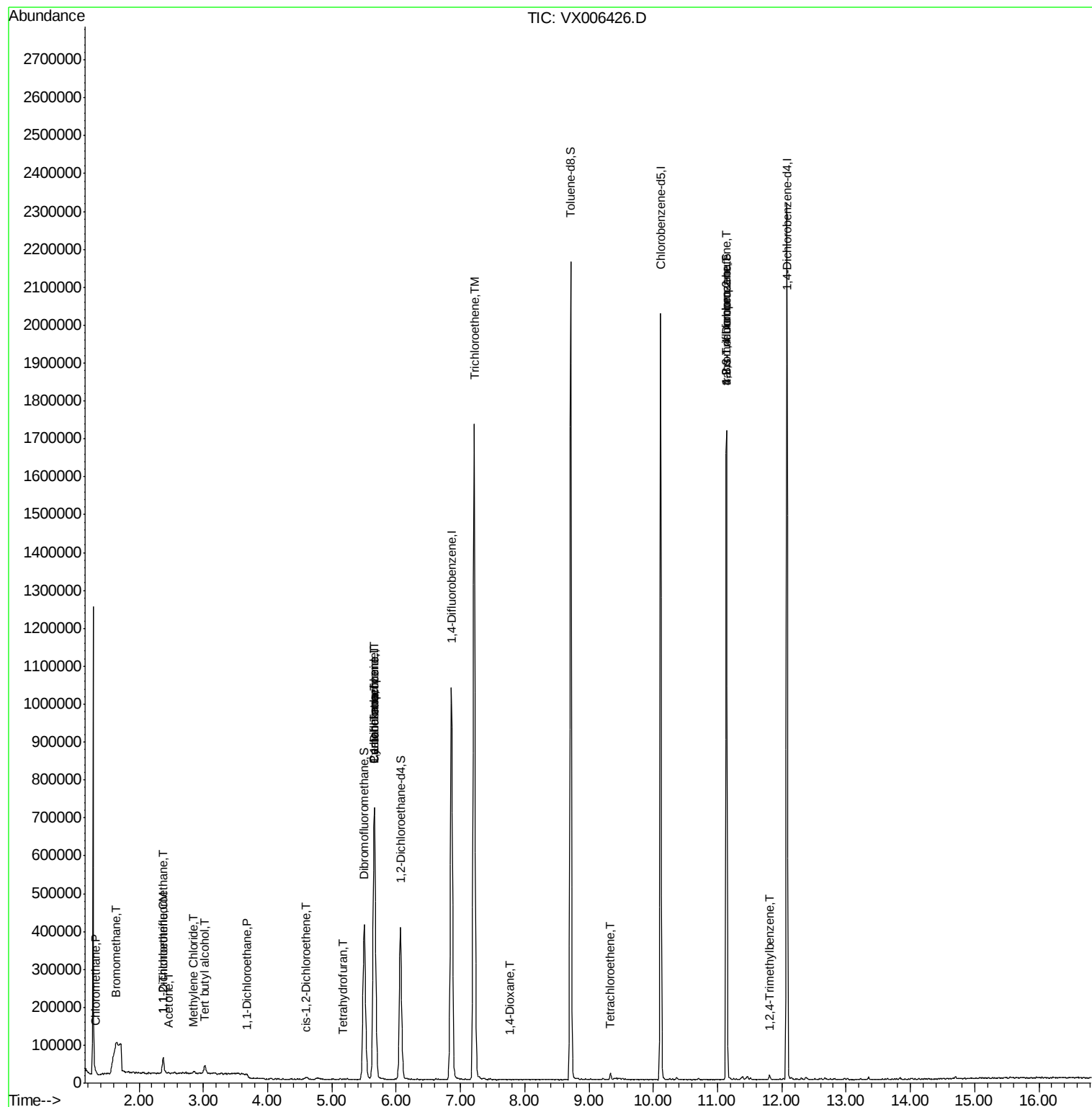
						Qvalue
3) Chloromethane	1.32	50	1823	0.243	ug/l #	85
5) Bromomethane	1.64	94	5881	1.051	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.38	101	11626	1.649	ug/l	97
11) Tert butyl alcohol	3.03	59	13625	6.543	ug/l #	78
12) 1,1-Dichloroethene	2.37	96	6345	0.940	ug/l	88
16) Acetone	2.46	43	2206	0.617	ug/l	100
20) Methylene Chloride	2.85	84	3395	0.446	ug/l #	67
24) 1,1-Dichloroethane	3.69	63	2623	0.220	ug/l #	84
27) cis-1,2-Dichloroethene	4.59	96	2951	0.368	ug/l	89
29) Tetrahydrofuran	5.17	42	1420	0.401	ug/l #	81
31) Cyclohexane	5.66	56	11911	1.083	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	47774	4.964	ug/l #	49
38) Carbon Tetrachloride	5.67	117	68615	6.061	ug/l #	16
44) Trichloroethene	7.21	130	709311	81.233	ug/l	97
49) 1,4-Dioxane	7.77	88	679	3.152	ug/l #	72
64) Tetrachloroethene	9.34	164	2763	0.362	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	214157	22.760	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	214157	53.410	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.80	105	5895	0.204	ug/l	98

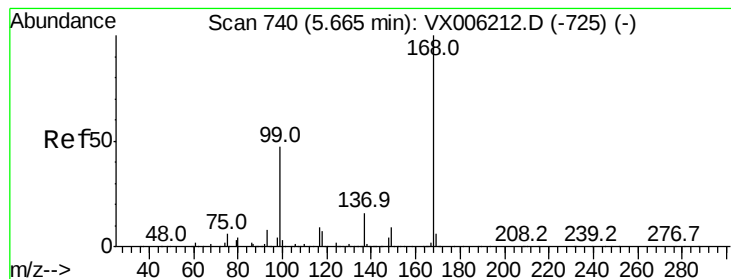
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX006426.D

Acq: 11 Dec 2018 17:44

Instrument :

MSVOA_X

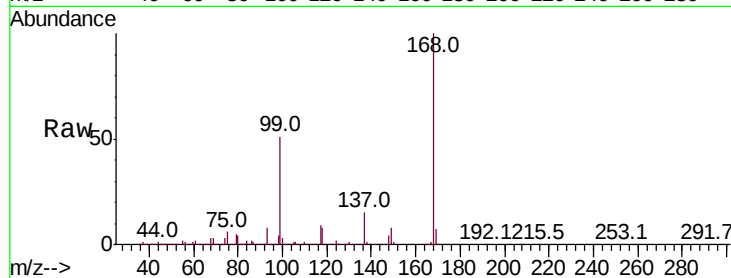
ClientSampleId :

Tot Ion:168 Resp: 745862

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

5.66

250000

200000

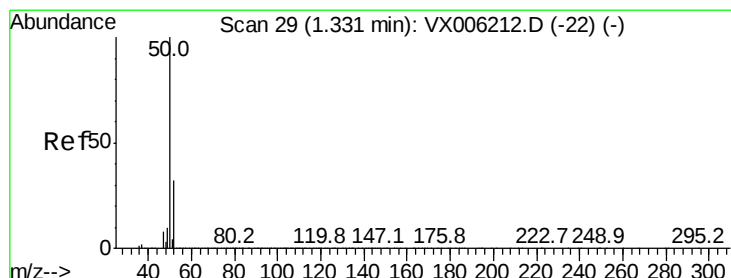
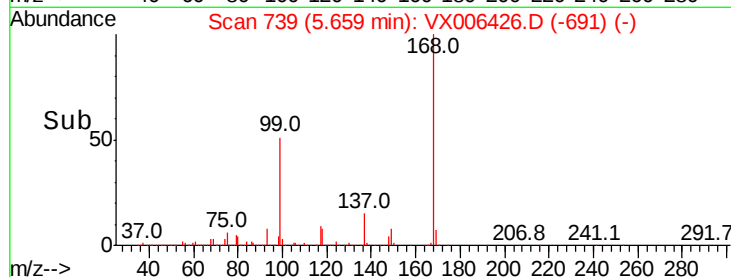
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.243 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX006426.D

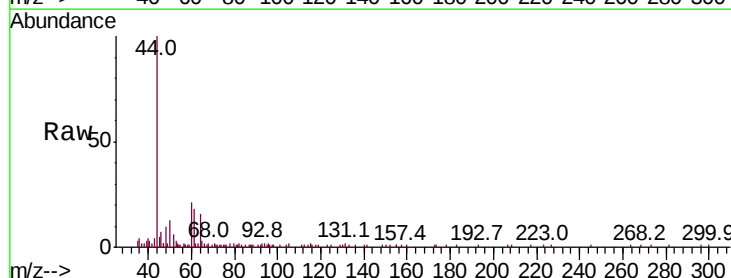
Acq: 11 Dec 2018 17:44

Tgt Ion: 50 Resp: 1823

Ion Ratio Lower Upper

50 100

52 39.7 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

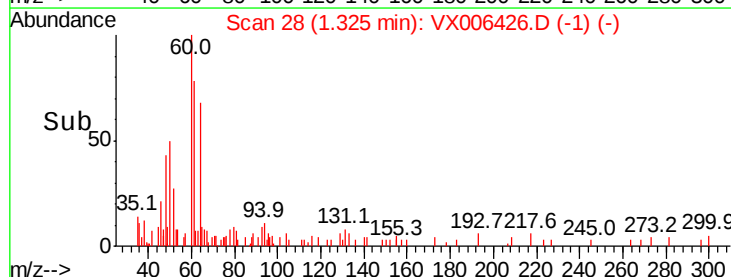
1500

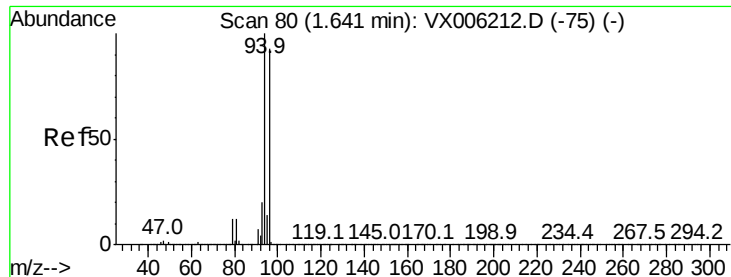
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.051 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006426.D

Acq: 11 Dec 2018 17:44

Instrument :

MSVOA_X

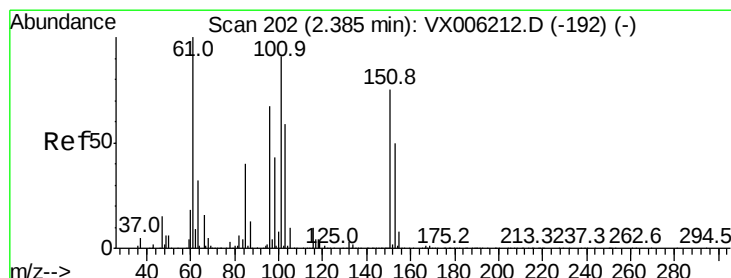
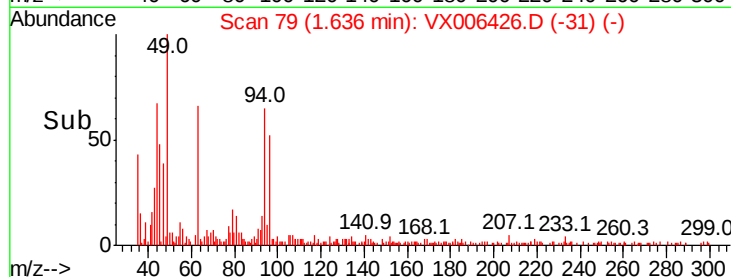
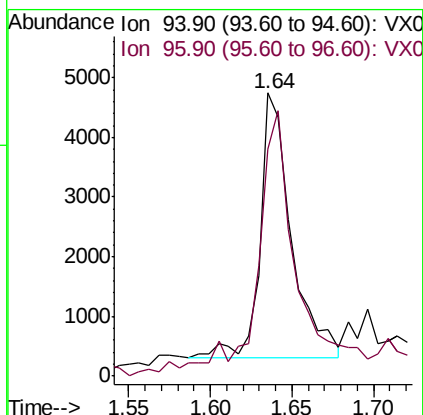
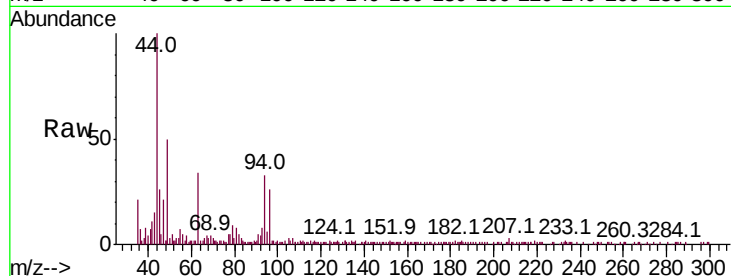
ClientSampled :

Tot Ion: 94 Resp: 5881

Ion Ratio Lower Upper

94 100

96 81.1 74.5 111.7



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.649 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX006426.D

Acq: 11 Dec 2018 17:44

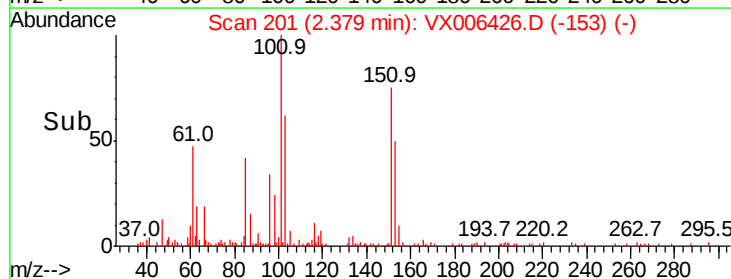
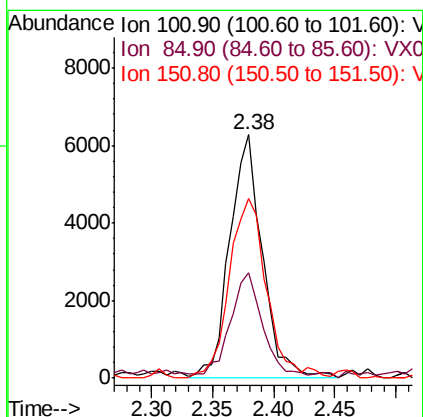
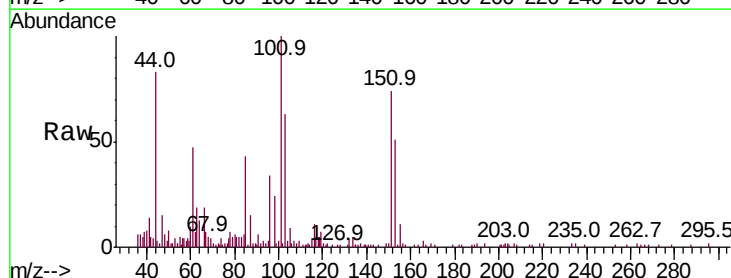
Tgt Ion: 101 Resp: 11626

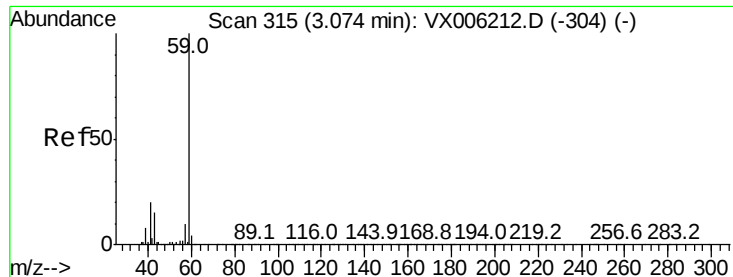
Ion Ratio Lower Upper

101 100

85 39.8 35.5 53.3

151 84.3 68.6 103.0



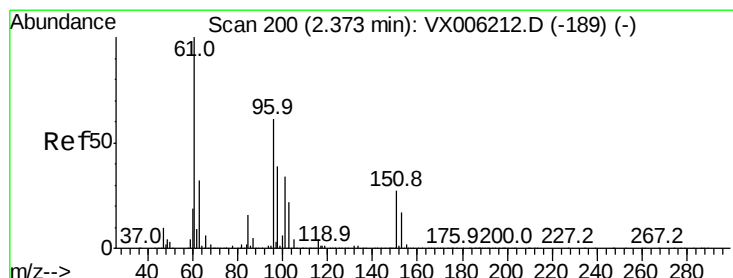
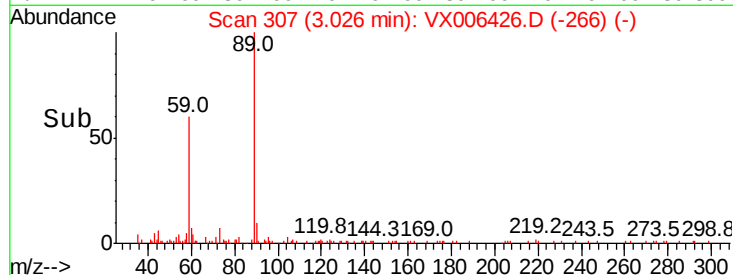
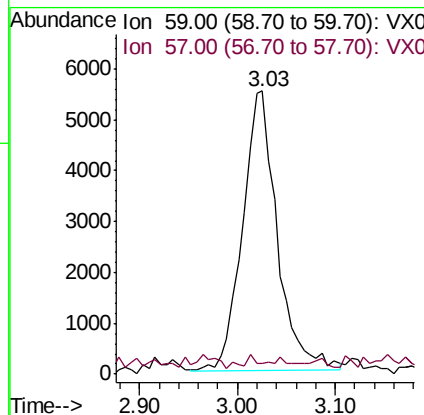
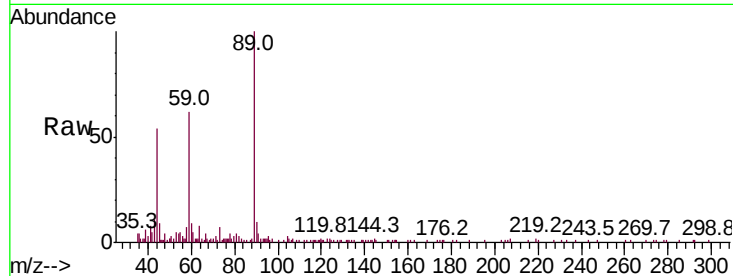


#11

Tert butyl alcohol
Concen: 6.543 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX006426.D
Acq: 11 Dec 2018 17:44

Instrument :
MSVOA_X
ClientSampleId :

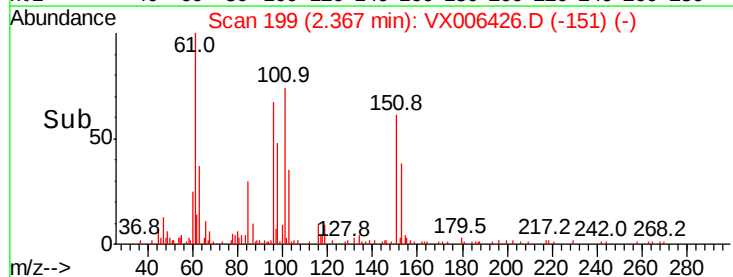
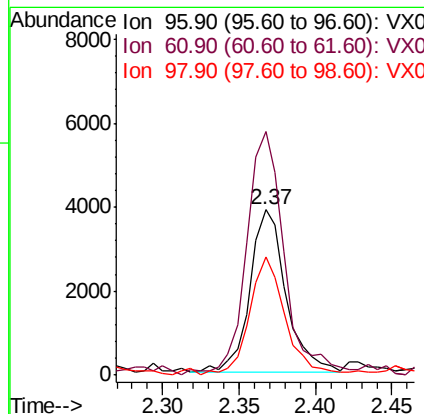
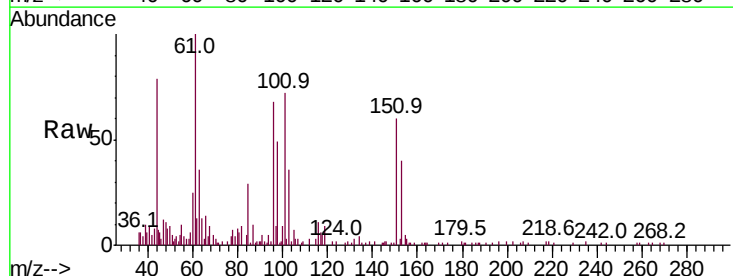
Tot Ion: 59 Resp: 13625
Ion Ratio Lower Upper
59 100
57 1.9 8.2 12.2#

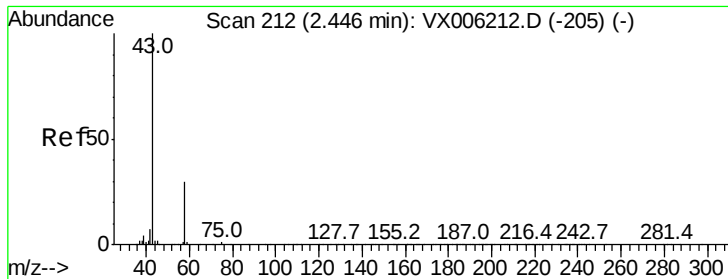


#12

1,1-Dichloroethene
Concen: 0.940 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX006426.D
Acq: 11 Dec 2018 17:44

Tgt Ion: 96 Resp: 6345
Ion Ratio Lower Upper
96 100
61 146.6 131.7 197.5
98 71.4 51.8 77.6

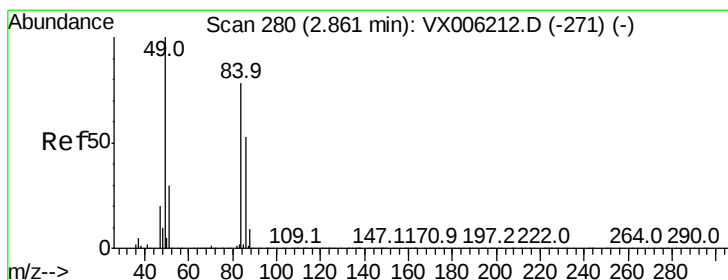
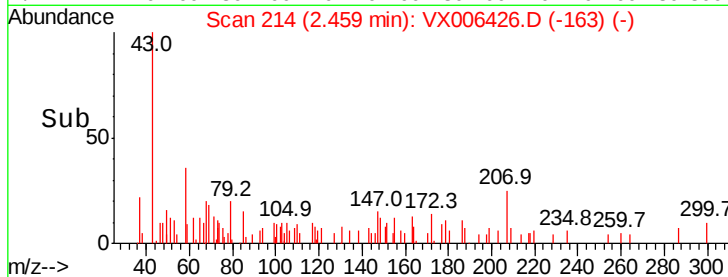
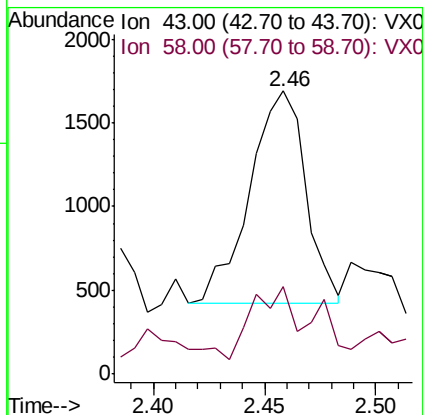
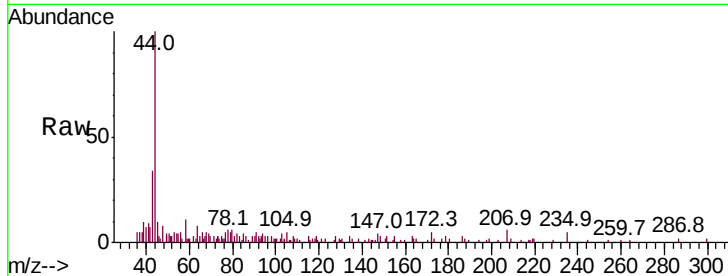




#16
Acetone
Concen: 0.617 ug/l
RT: 2.46 min Scan# 214
Delta R.T. 0.01 min
Lab File: VX006426.D
Acq: 11 Dec 2018 17:44

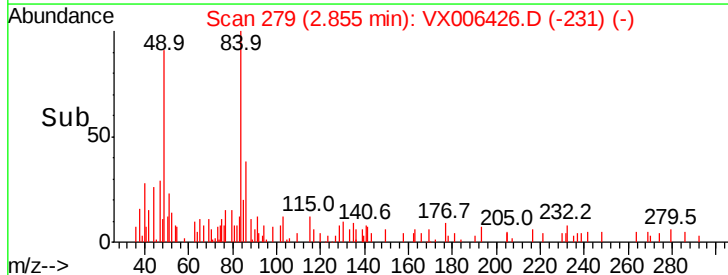
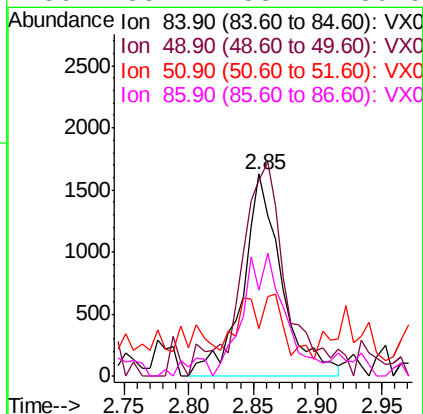
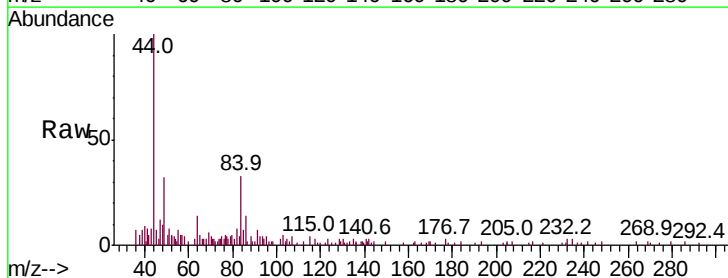
Instrument :
MSVOA_X
ClientSampleId :

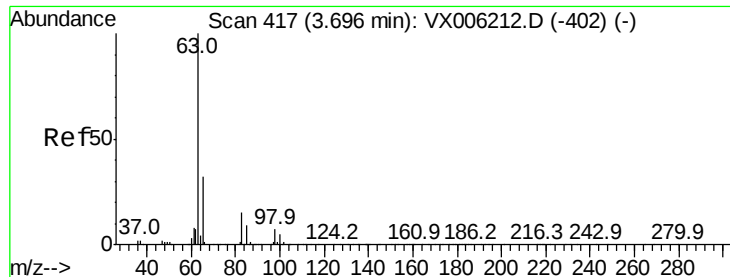
Tot Ion: 43 Resp: 2206
Ion Ratio Lower Upper
43 100
58 29.8 24.0 36.0



#20
Methylene Chloride
Concen: 0.446 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006426.D
Acq: 11 Dec 2018 17:44

Tgt Ion: 84 Resp: 3395
Ion Ratio Lower Upper
84 100
49 96.7 102.2 153.4#
51 9.7 31.1 46.7#
86 38.4 53.7 80.5#





#24

1,1-Dichloroethane

Concen: 0.220 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX006426.D

Acq: 11 Dec 2018 17:44

Instrument :
MSVOA_X
ClientSampleId :

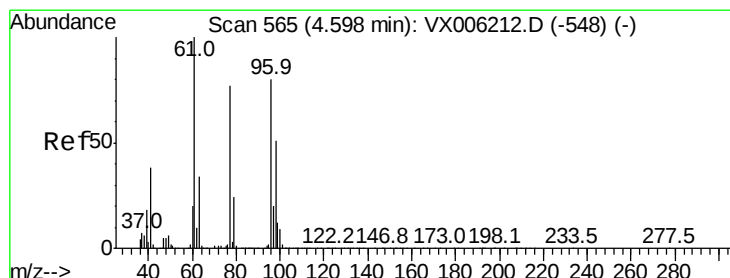
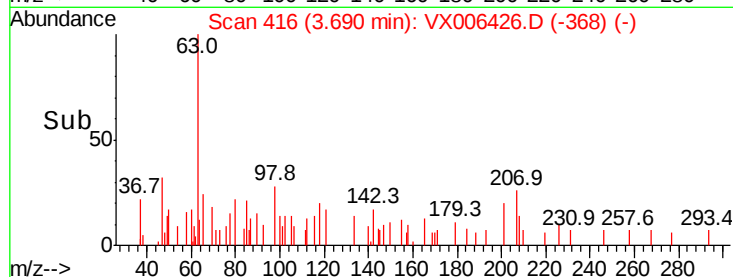
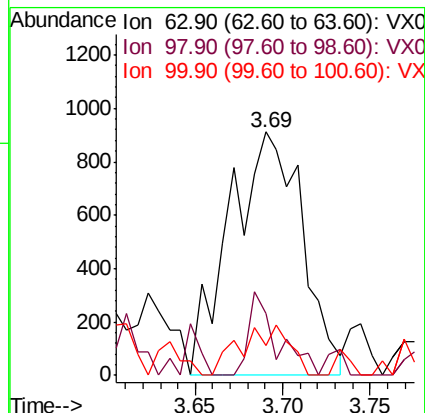
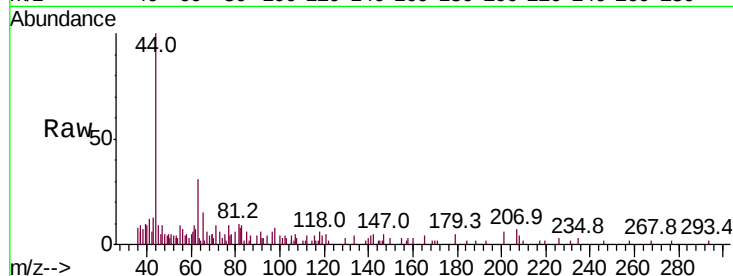
Tot Ion: 63 Resp: 2623

Ion Ratio Lower Upper

63 100

98 15.7 3.8 11.4#

100 6.8 2.5 7.4



#27

cis-1,2-Dichloroethene

Concen: 0.368 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.01 min

Lab File: VX006426.D

Acq: 11 Dec 2018 17:44

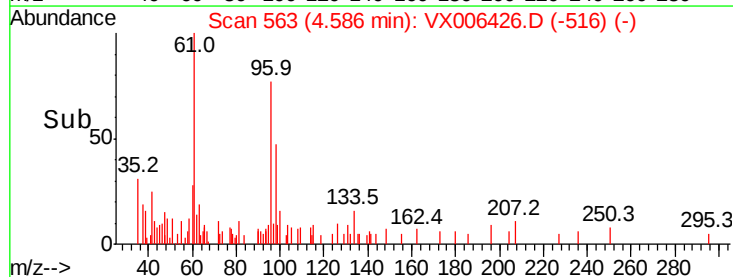
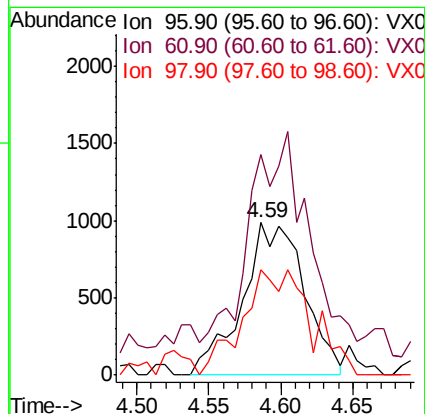
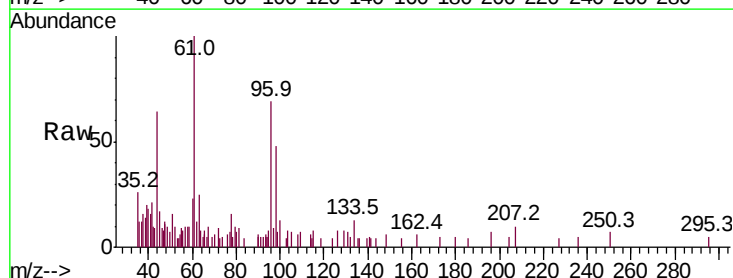
Tgt Ion: 96 Resp: 2951

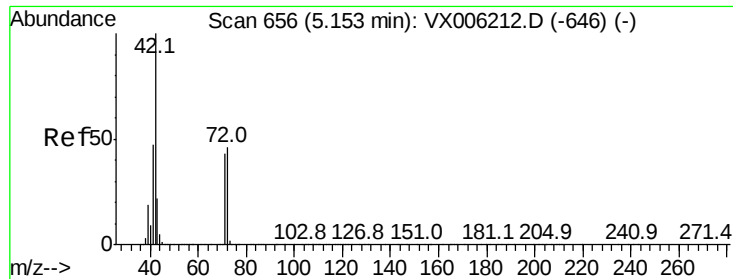
Ion Ratio Lower Upper

96 100

61 130.6 0.0 265.0

98 41.8 0.0 130.2

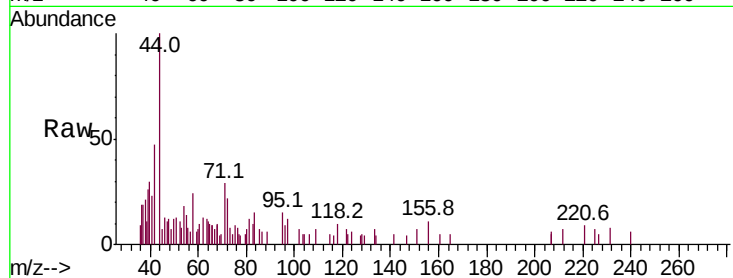




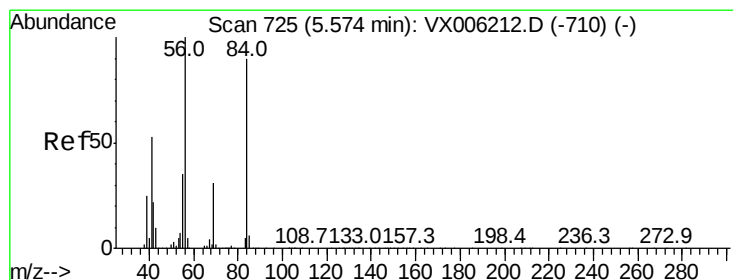
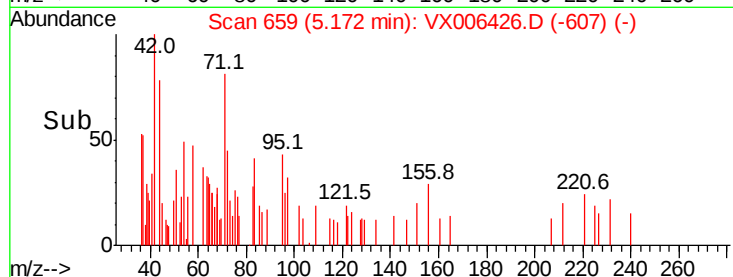
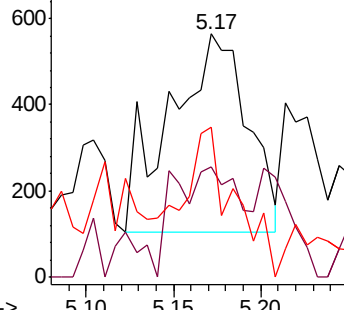
#29
Tetrahydrofuran
Concen: 0.401 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX006426.D
Acq: 11 Dec 2018 17:44

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 42 Resp: 1420
Ion Ratio Lower Upper
42 100
72 28.2 37.8 56.8#
71 50.0 35.2 52.8

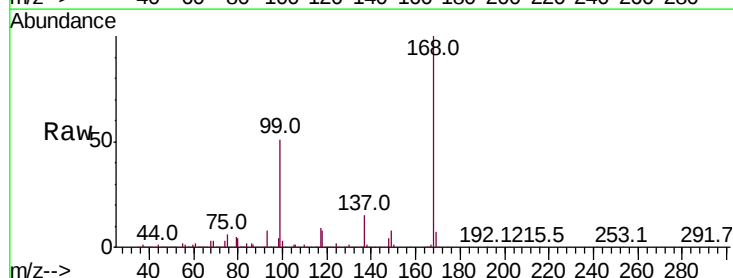


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

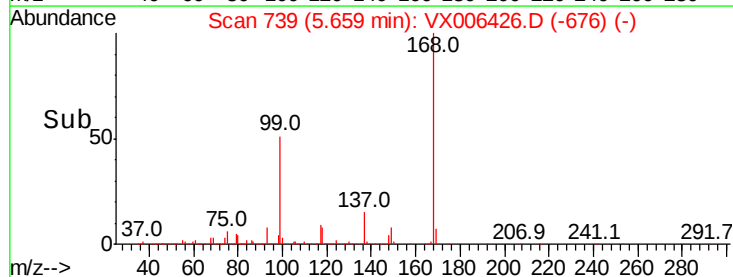
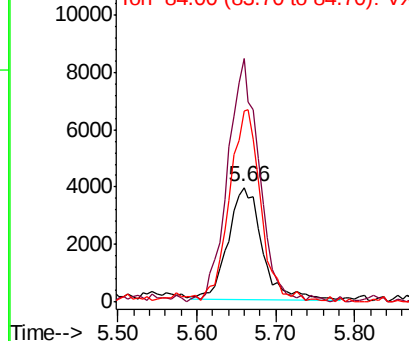


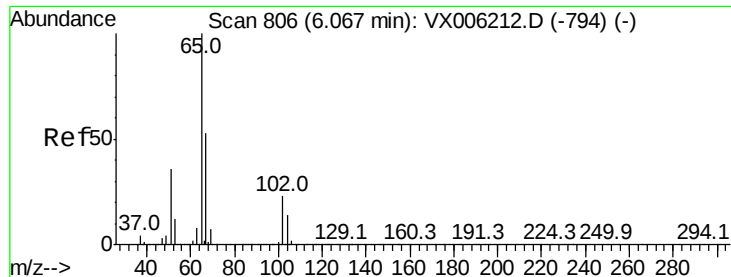
#31
Cyclohexane
Concen: 1.083 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX006426.D
Acq: 11 Dec 2018 17:44

Tgt Ion: 56 Resp: 11911
Ion Ratio Lower Upper
56 100
69 215.2 24.5 36.7#
84 167.7 71.8 107.6#



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: 48.827 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006426.D

Acq: 11 Dec 2018 17:44

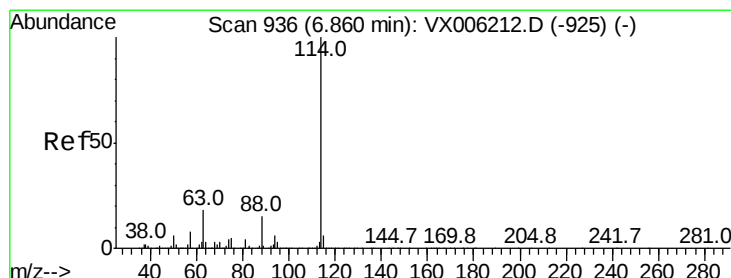
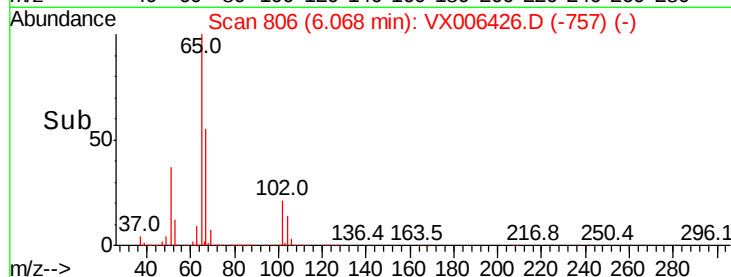
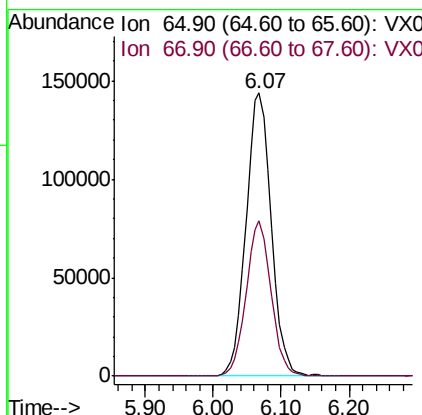
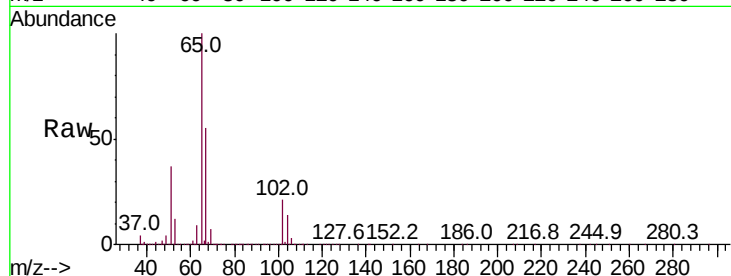
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 65 Resp: 371774

Ion Ratio Lower Upper

65 100

67 54.0 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: VX006426.D

Acq: 11 Dec 2018 17:44

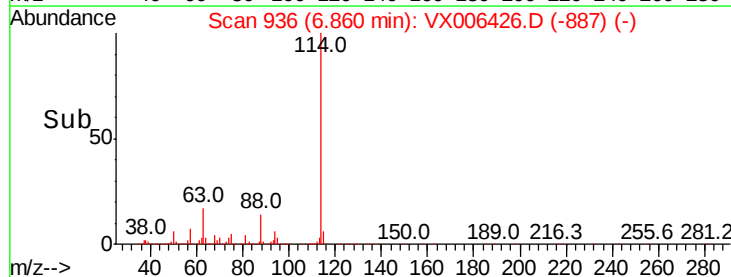
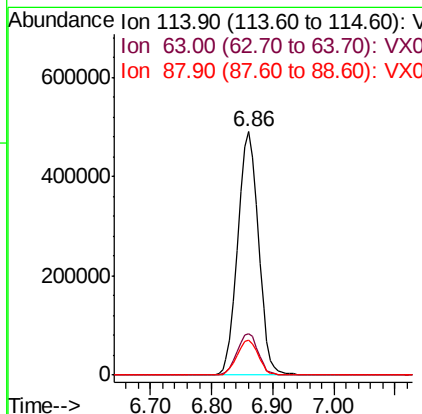
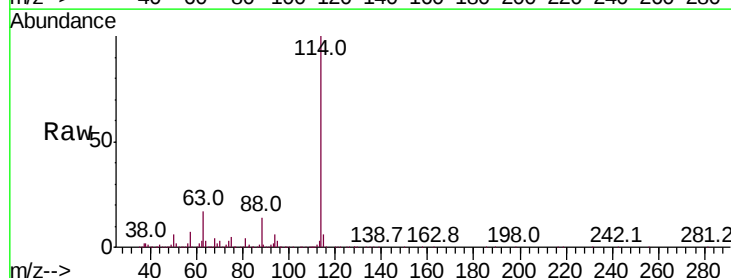
Tgt Ion: 114 Resp: 1142794

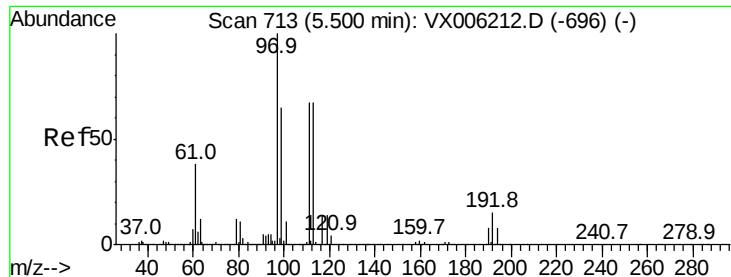
Ion Ratio Lower Upper

114 100

63 17.2 0.0 36.6

88 14.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 47.217 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006426.D

Acq: 11 Dec 2018 17:44

Instrument :
MSVOA_X
ClientSampleId :

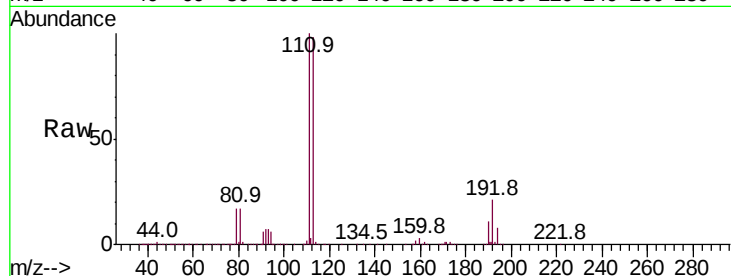
Tot Ion:113 Resp: 349363

Ion Ratio Lower Upper

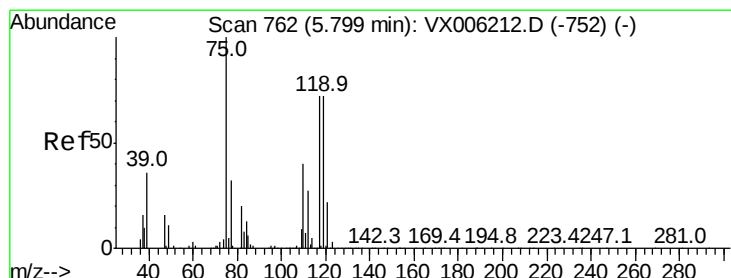
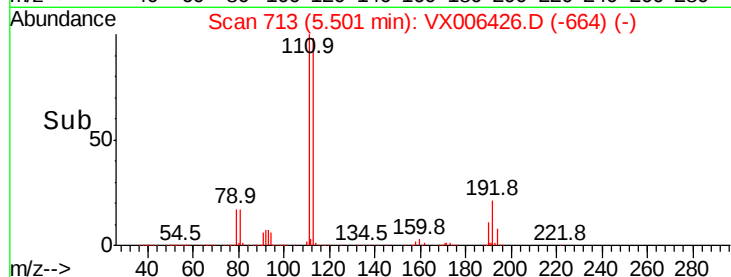
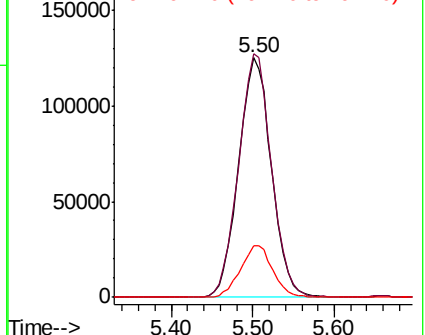
113 100

111 101.9 81.1 121.7

192 21.3 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: 4.964 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006426.D

Acq: 11 Dec 2018 17:44

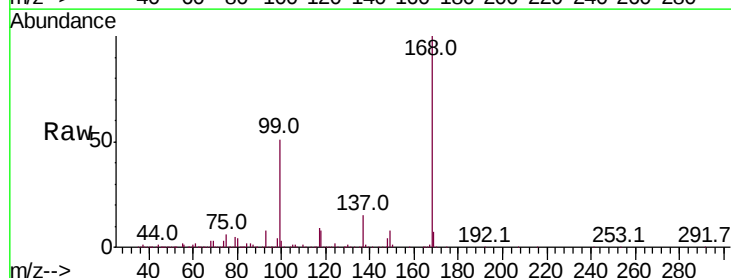
Tgt Ion: 75 Resp: 47774

Ion Ratio Lower Upper

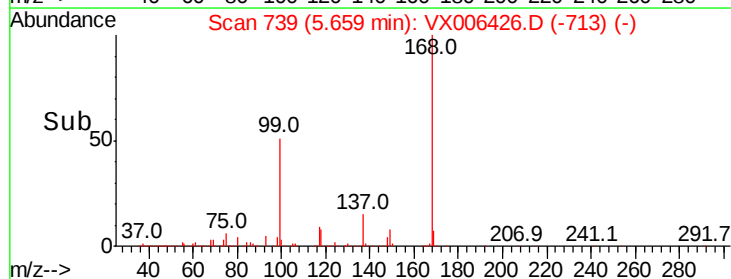
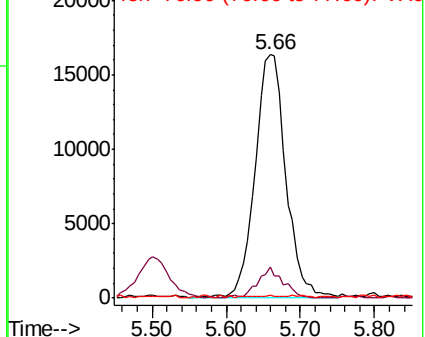
75 100

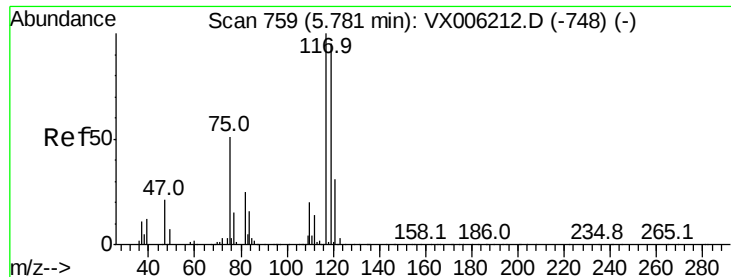
110 10.6 20.4 61.3#

77 0.6 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: 6.061 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006426.D

Acq: 11 Dec 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

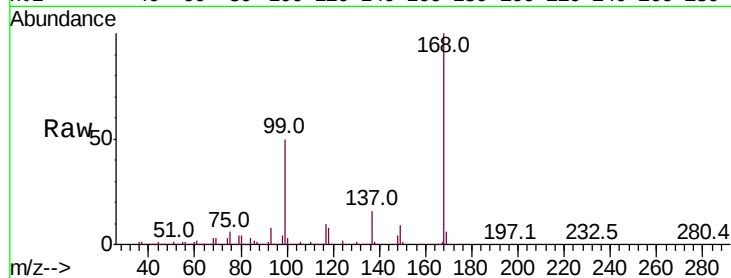
Tot Ion:117 Resp: 68615

Ion Ratio Lower Upper

117 100

119 4.0 75.8 113.8#

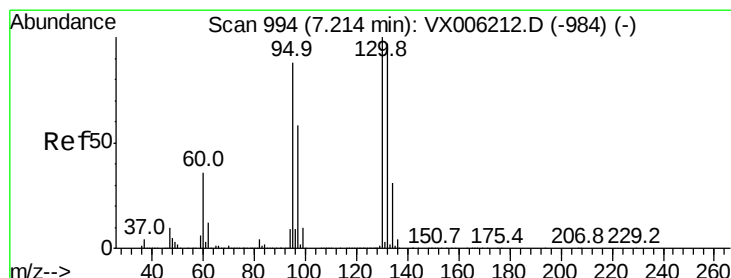
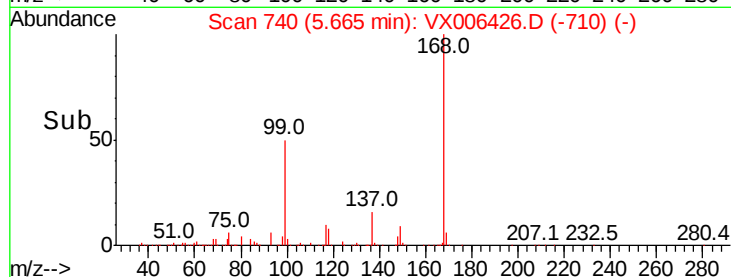
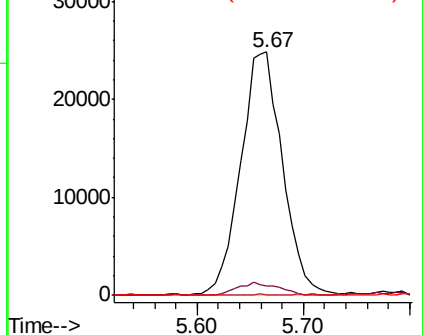
121 0.0 24.6 37.0#



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: 81.233 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006426.D

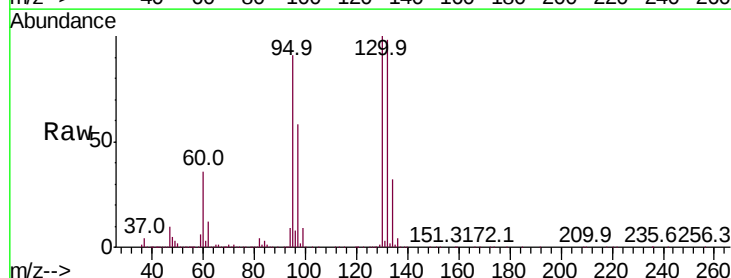
Acq: 11 Dec 2018 17:44

Tgt Ion:130 Resp: 709311

Ion Ratio Lower Upper

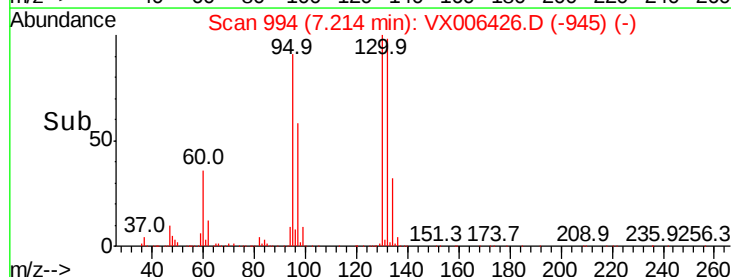
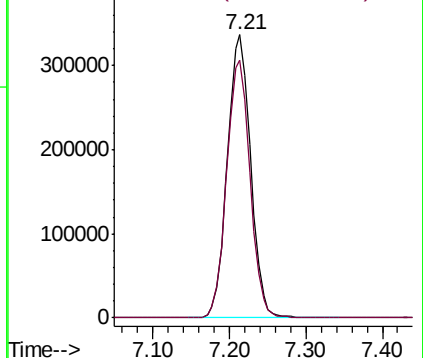
130 100

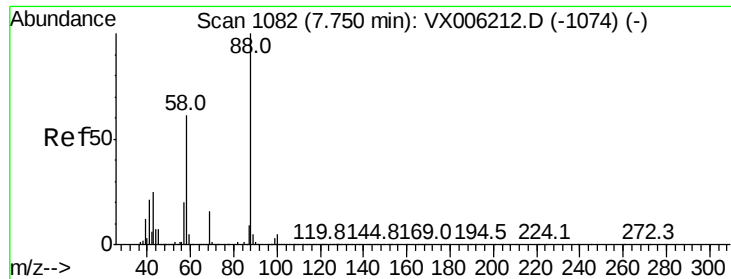
95 91.1 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 3.152 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.02 min

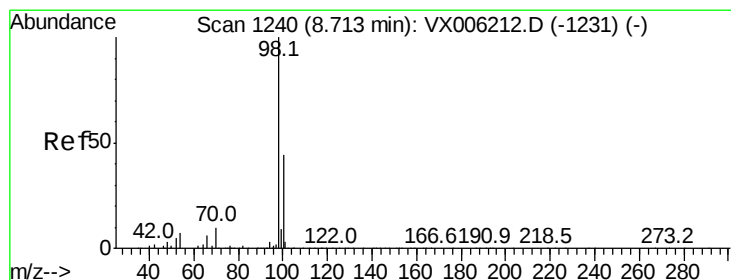
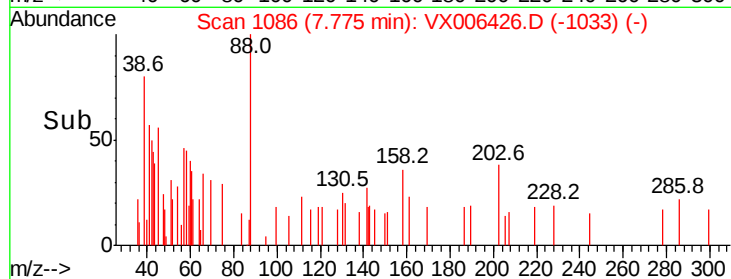
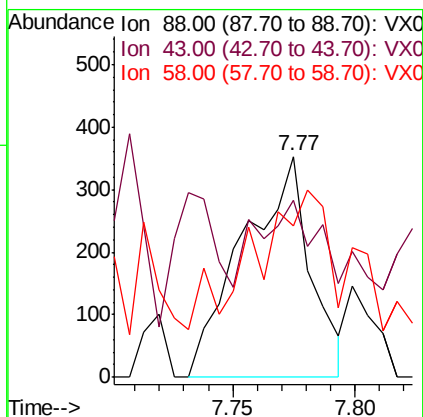
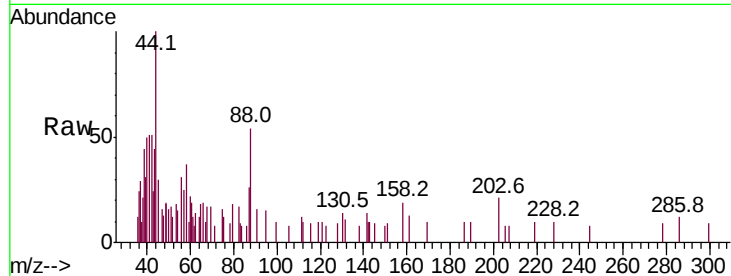
Lab File: VX006426.D

Acq: 11 Dec 2018 17:44

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 679

Ion	Ratio	Lower	Upper
88	100		
43	38.0	23.2	34.8#
58	89.5	51.4	77.0#



#50

Toluene-d8

Concen: 49.194 ug/l

RT: 8.71 min Scan# 1240

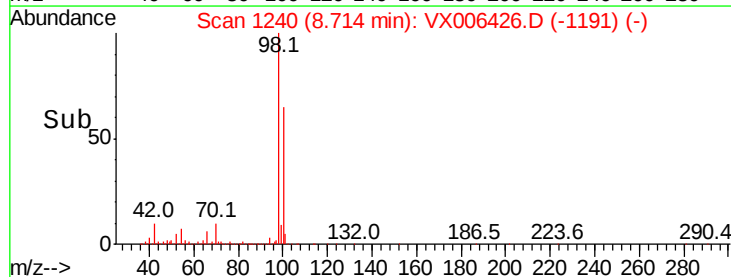
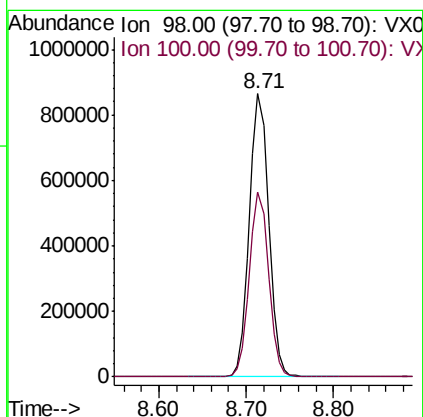
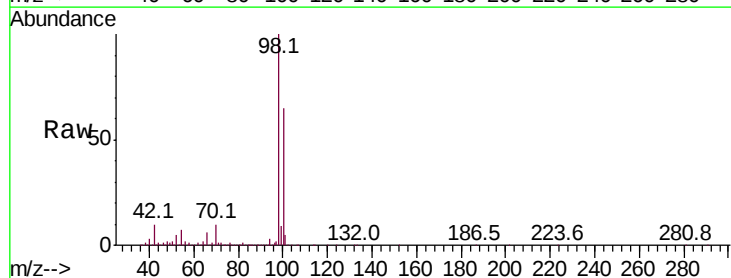
Delta R.T. 0.00 min

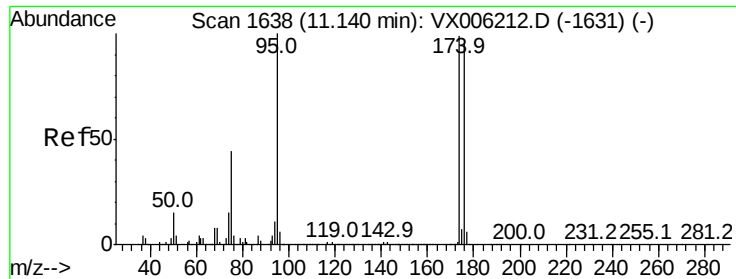
Lab File: VX006426.D

Acq: 11 Dec 2018 17:44

Tgt Ion: 98 Resp: 1324007

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.2

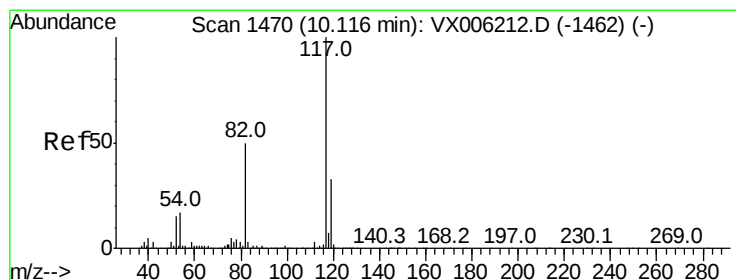
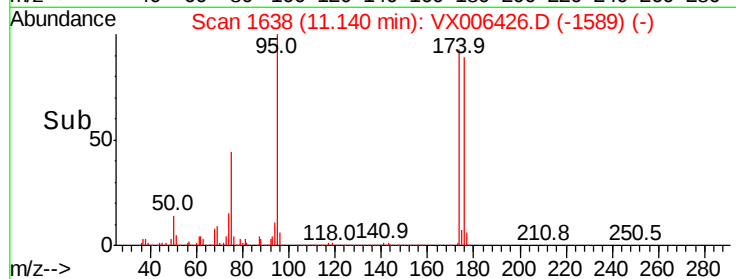
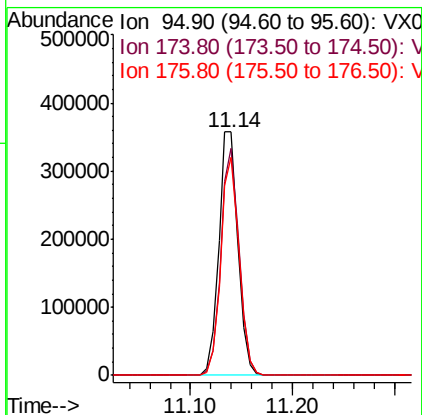
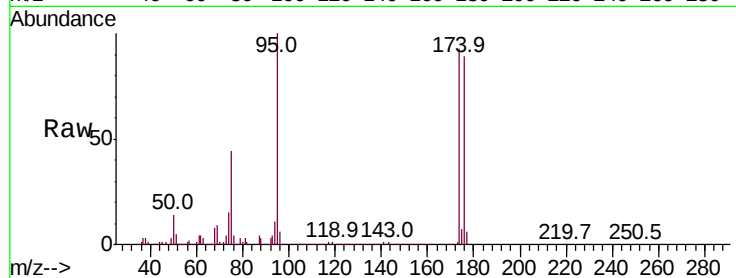




#62
4-Bromofluorobenzene
Concen: 46.473 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX006426.D
Acq: 11 Dec 2018 17:44

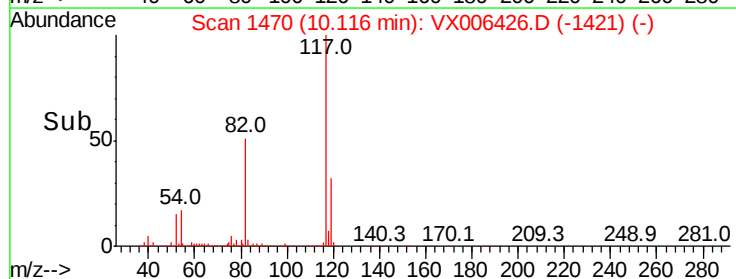
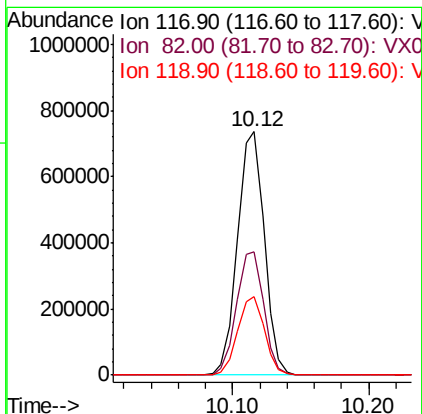
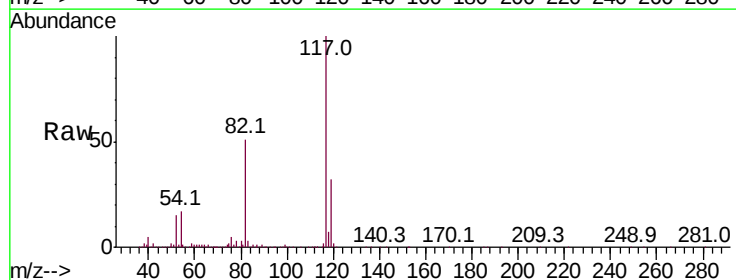
Instrument :
MSVOA_X
ClientSampleId :

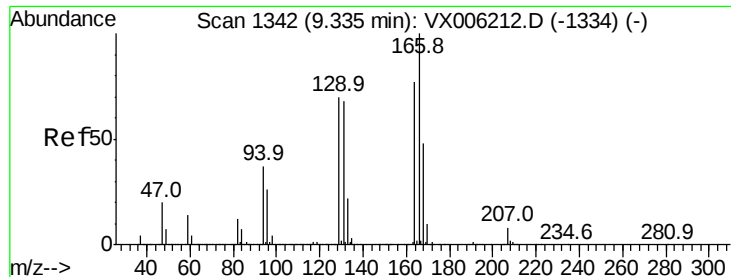
Tot Ion: 95 Resp: 471323
Ion Ratio Lower Upper
95 100
174 88.3 0.0 187.0
176 85.4 0.0 181.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006426.D
Acq: 11 Dec 2018 17:44

Tgt Ion: 117 Resp: 1013742
Ion Ratio Lower Upper
117 100
82 50.5 39.6 59.4
119 32.4 26.3 39.5





#64

Tetrachloroethene

Concen: 0.362 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX006426.D

Acq: 11 Dec 2018 17:44

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 2763

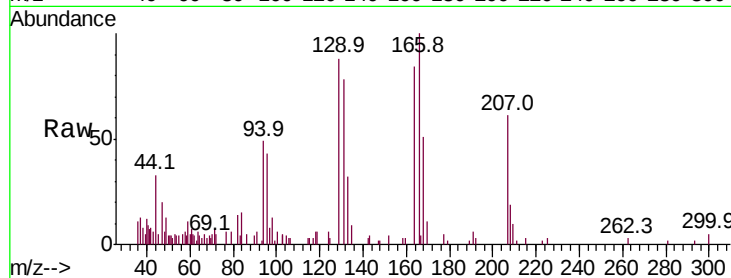
Ion Ratio Lower Upper

164 100

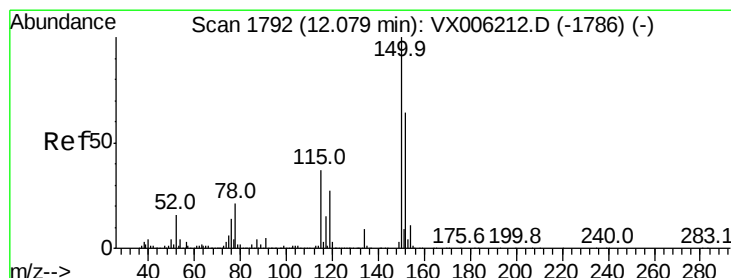
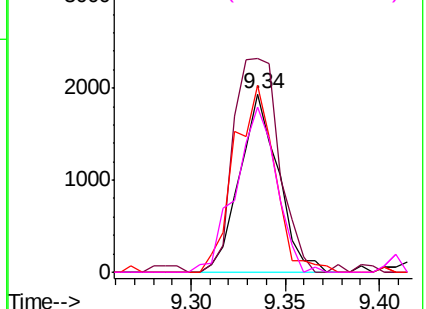
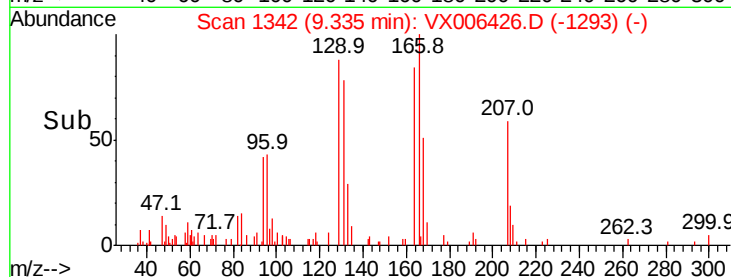
166 119.7 104.2 156.2

129 104.9 72.6 108.8

131 92.8 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: VX006426.D

Acq: 11 Dec 2018 17:44

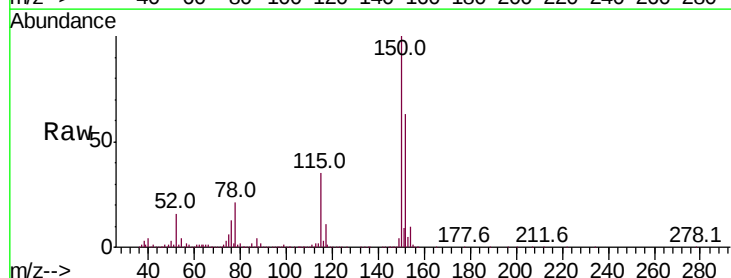
Tgt Ion:152 Resp: 487501

Ion Ratio Lower Upper

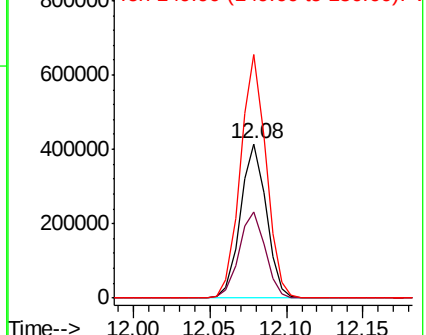
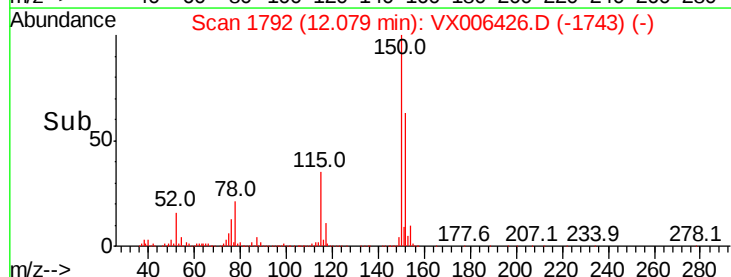
152 100

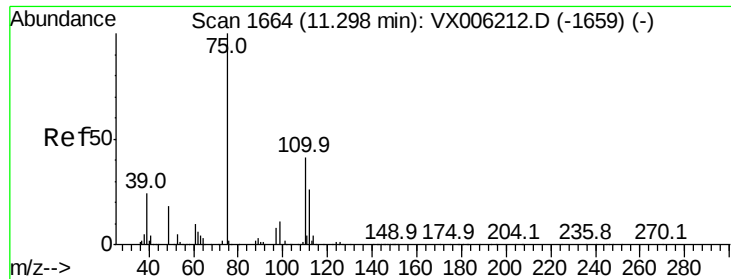
115 56.3 39.0 116.9

150 156.6 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: 22.760 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006426.D

Acq: 11 Dec 2018 17:44

Instrument :

MSVOA_X

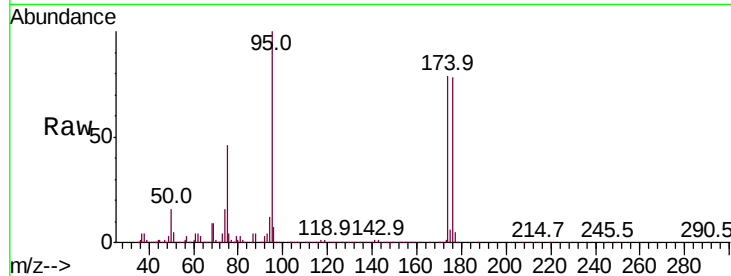
ClientSampleId :

Tot Ion: 75 Resp: 214157

Ion Ratio Lower Upper

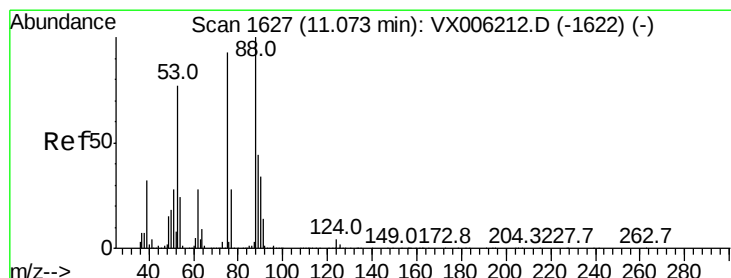
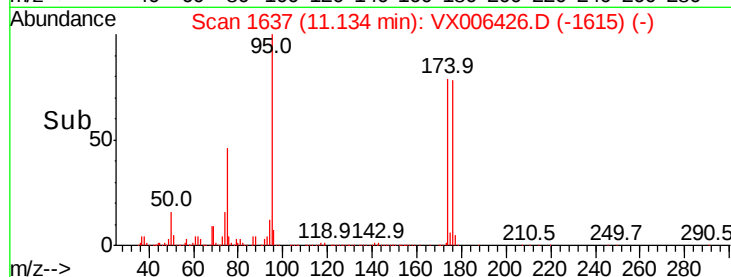
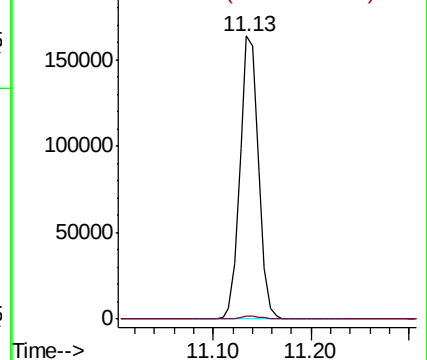
75 100

77 1.3 19.9 59.7#



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: 53.410 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006426.D

Acq: 11 Dec 2018 17:44

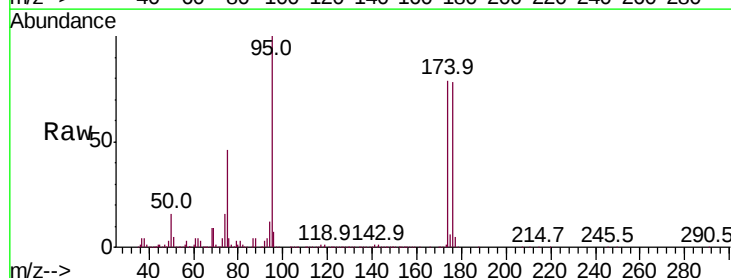
Tgt Ion: 75 Resp: 214157

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

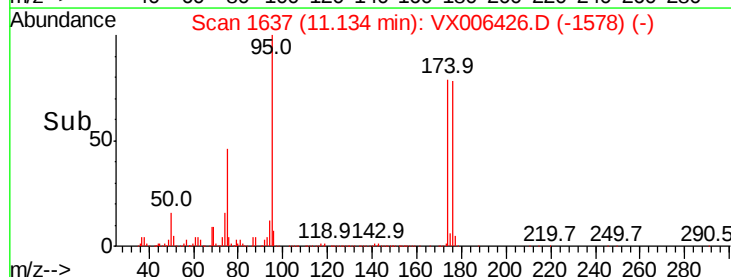
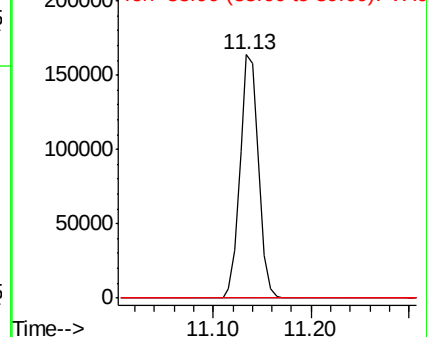
89 0.1 44.2 66.4#

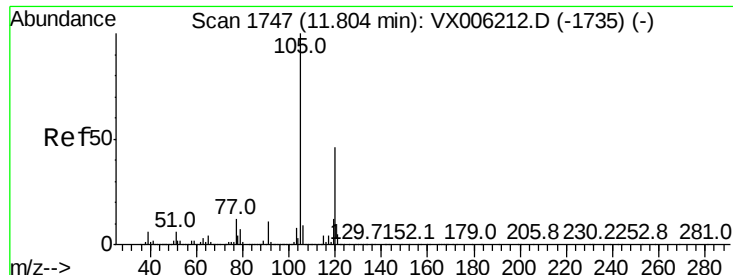


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#84

1,2,4-Trimethylbenzene

Concen: 0.204 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006426.D

Acq: 11 Dec 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:105 Resp: 5895

Ion Ratio Lower Upper

105 100

120 48.0 23.4 70.0

