

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120518\
 Data File : VX006297.D
 Acq On : 05 Dec 2018 13:44
 Operator : JC/MD
 Sample : J6214-33
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-4

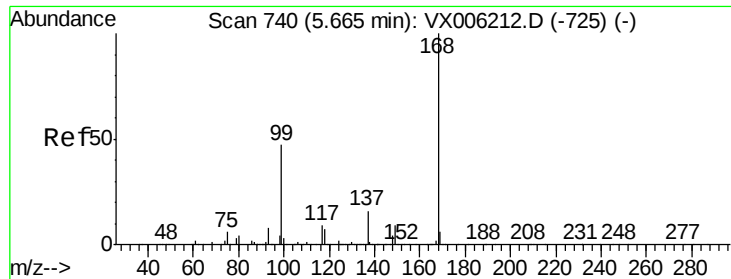
Quant Time: Dec 06 00:16:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	841342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1265711	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1141269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	554103	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	411462	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
35) Dibromofluoromethane	5.51	113	397709	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
50) Toluene-d8	8.71	98	1476629	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.14	95	540861	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.67	64	3039	0.544	ug/l #	43
13) Acrolein	2.30	56	420	0.327	ug/l #	13
15) Acrylonitrile	3.16	53	1150	0.235	ug/l #	59
16) Acetone	2.44	43	3638	0.903	ug/l	99
30) Chloroform	5.22	83	18480	1.310	ug/l	87
36) 1,1-Dichloropropene	5.66	75	51307	4.814	ug/l #	44
38) Carbon Tetrachloride	5.66	117	77041	6.144	ug/l #	17
44) Trichloroethene	7.22	130	2031	0.210	ug/l	70
49) 1,4-Dioxane	7.74	88	343	1.437	ug/l #	15
60) Dibromochloromethane	9.33	129	17548	1.668	ug/l #	11
64) Tetrachloroethene	9.33	164	20625	2.400	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	246197	23.020	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	246197	54.021	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006297.D

Acq: 05 Dec 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

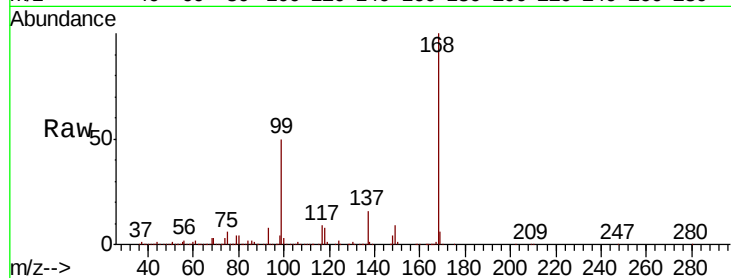
TW-4

Tot Ion:168 Resp: 841342

Ion Ratio Lower Upper

168 100

99 50.3 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

300000

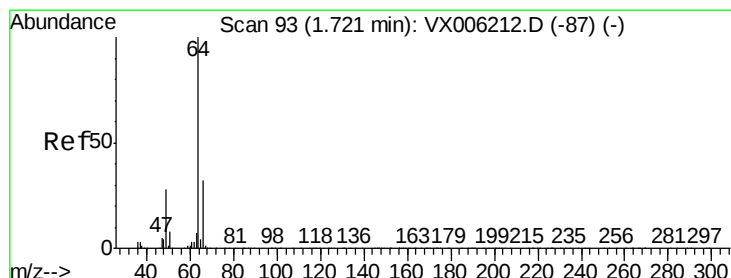
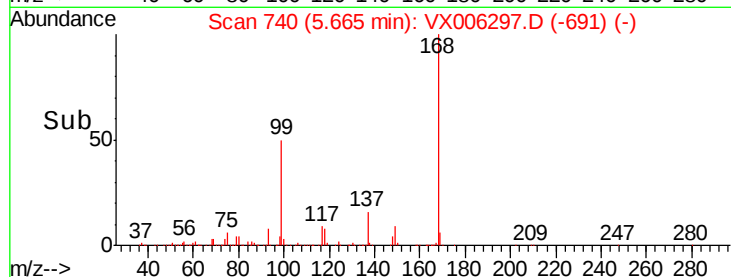
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.544 ug/l

RT: 1.67 min Scan# 84

Delta R.T. -0.06 min

Lab File: VX006297.D

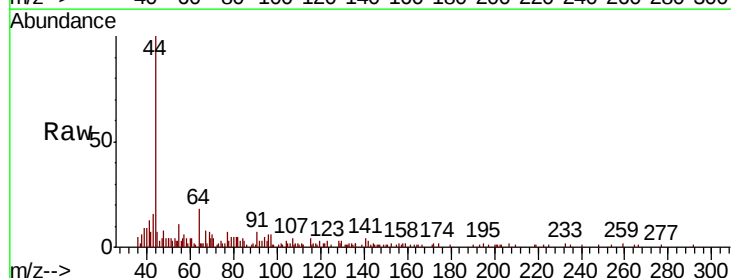
Acq: 05 Dec 2018 13:44

Tgt Ion: 64 Resp: 3039

Ion Ratio Lower Upper

64 100

66 0.5 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.67

1500

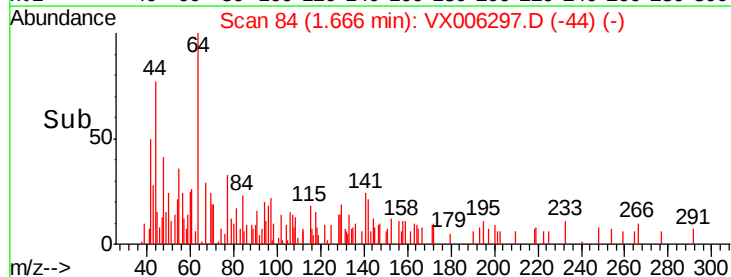
1000

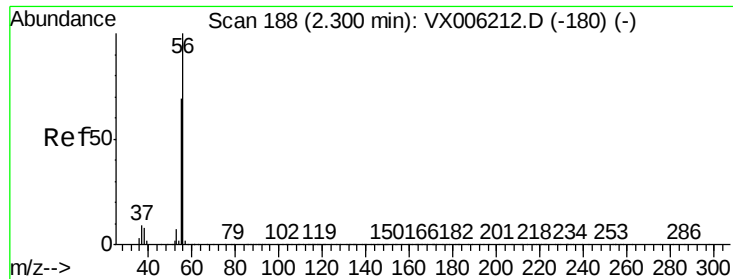
500

0

Time-->

1.55 1.60 1.65 1.70





#13

Acrolein

Concen: 0.327 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX006297.D

Acq: 05 Dec 2018 13:44

Instrument :

MSVOA_X

ClientSampled :

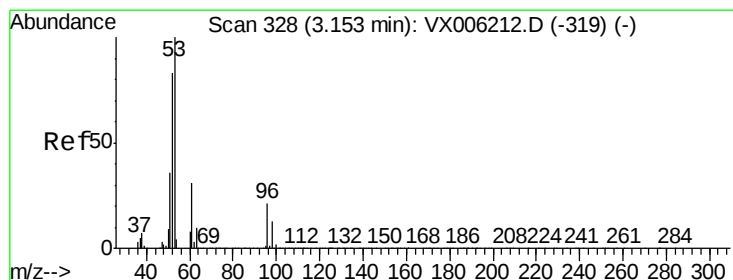
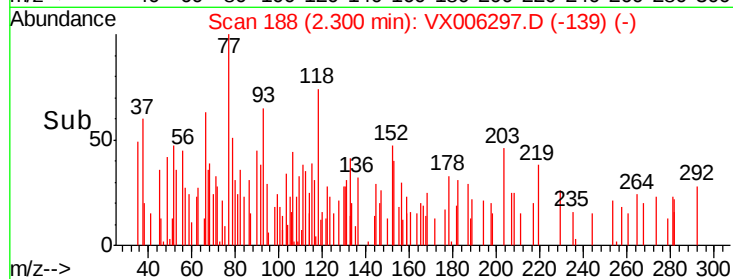
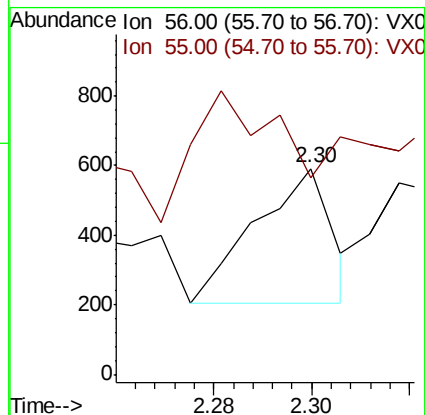
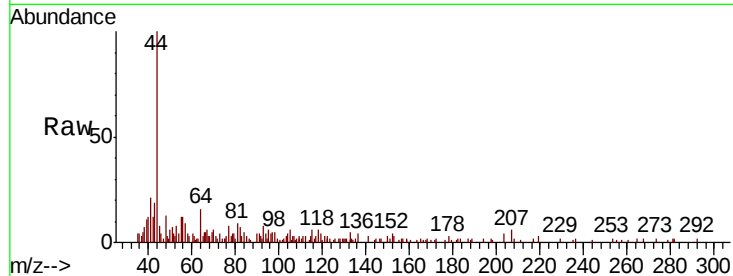
TW-4

Tot Ion: 56 Resp: 420

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.6#



#15

Acrylonitrile

Concen: 0.235 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX006297.D

Acq: 05 Dec 2018 13:44

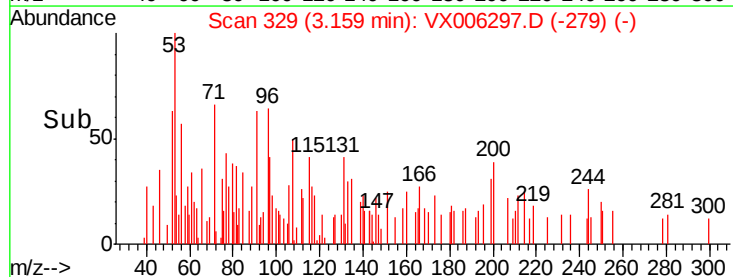
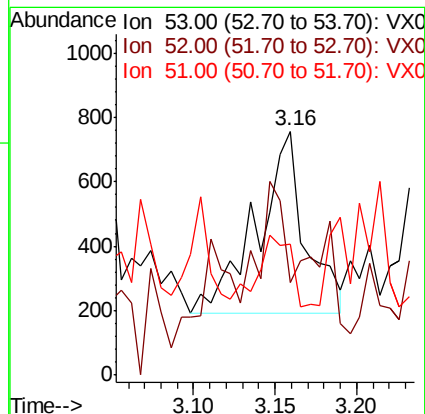
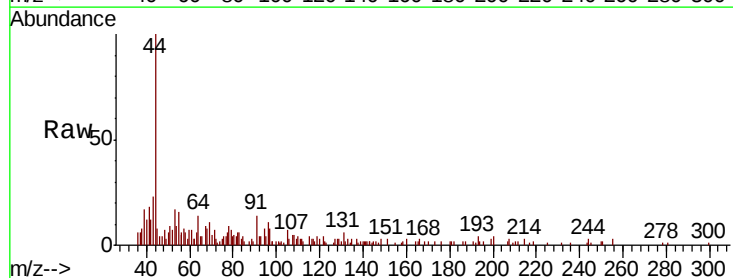
Tgt Ion: 53 Resp: 1150

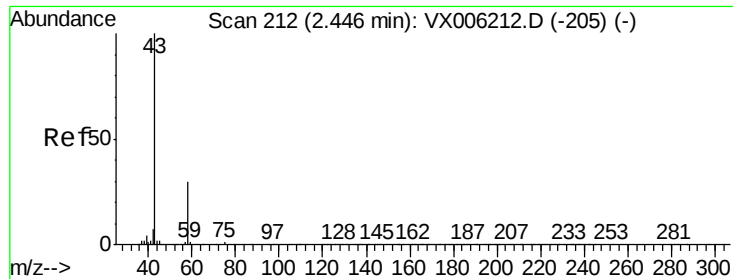
Ion Ratio Lower Upper

53 100

52 36.3 66.2 99.4#

51 26.3 28.7 43.1#





#16

Acetone

Concen: 0.903 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006297.D

Acq: 05 Dec 2018 13:44

Instrument :

MSVOA_X

ClientSampled :

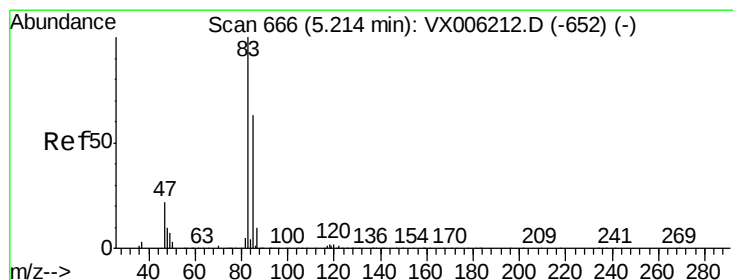
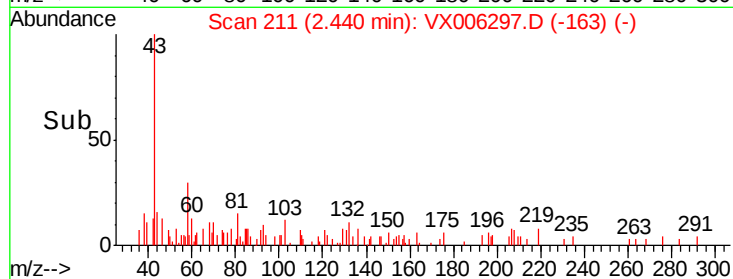
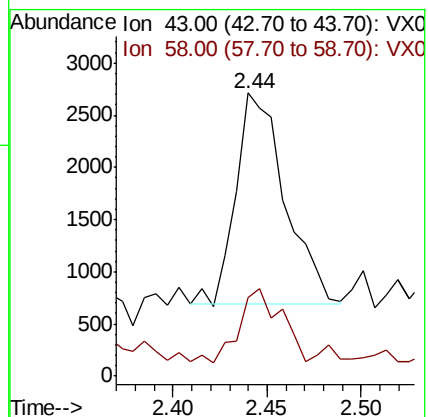
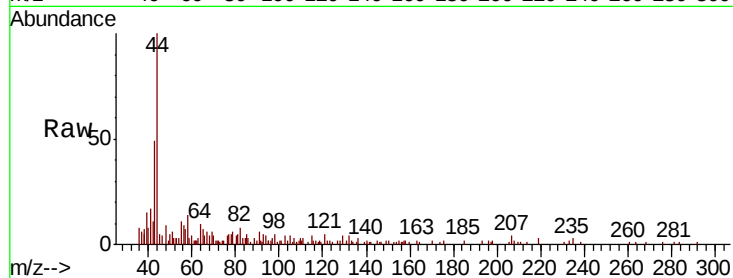
TW-4

Tot Ion: 43 Resp: 3638

Ion Ratio Lower Upper

43 100

58 30.6 24.0 36.0



#30

Chloroform

Concen: 1.310 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX006297.D

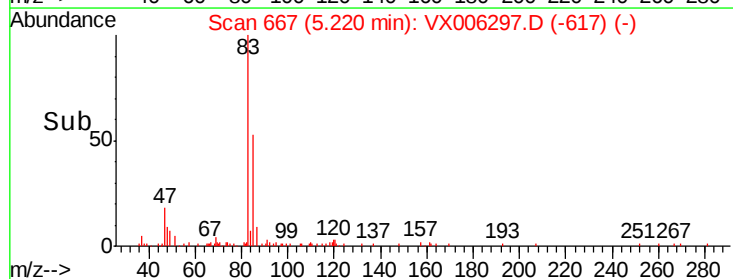
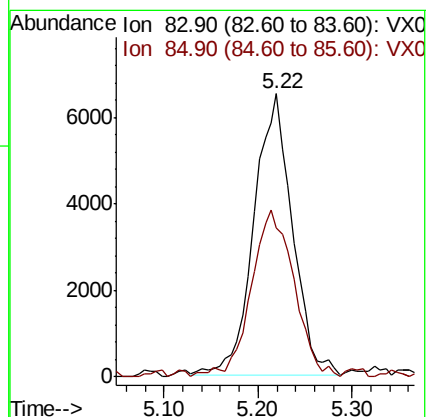
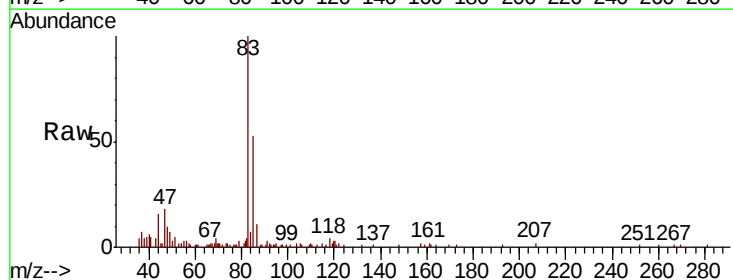
Acq: 05 Dec 2018 13:44

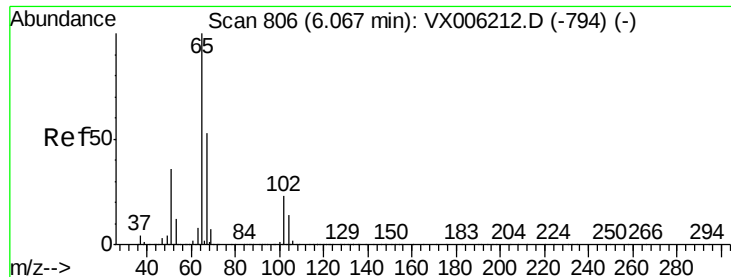
Tgt Ion: 83 Resp: 18480

Ion Ratio Lower Upper

83 100

85 53.2 50.3 75.5





#33

1,2-Dichloroethane-d4

Concen: 47.907 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006297.D

Acq: 05 Dec 2018 13:44

Instrument :

MSVOA_X

ClientSampled :

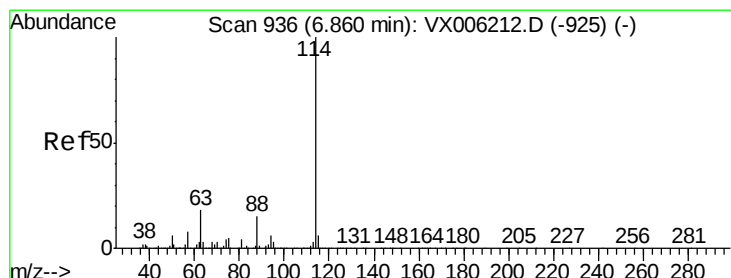
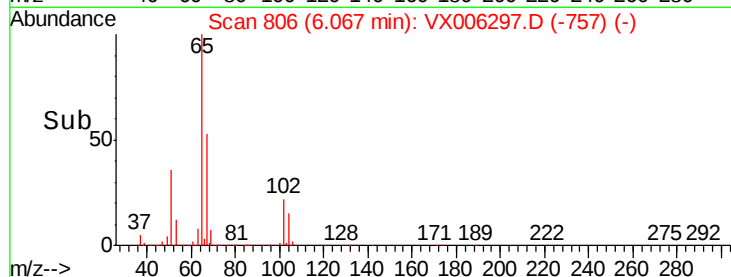
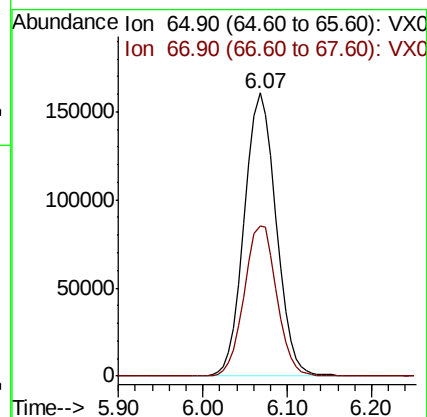
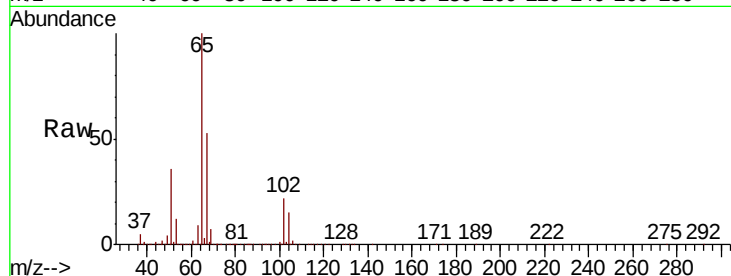
TW-4

Tot Ion: 65 Resp: 411462

Ion Ratio Lower Upper

65 100

67 53.9 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: VX006297.D

Acq: 05 Dec 2018 13:44

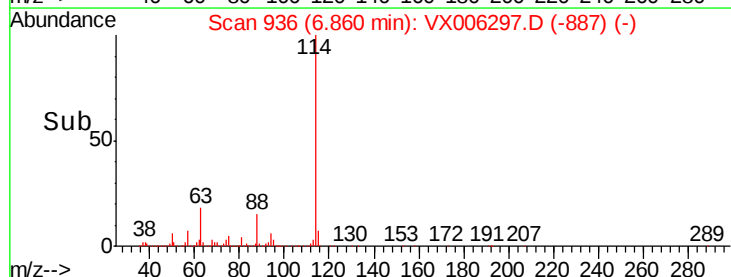
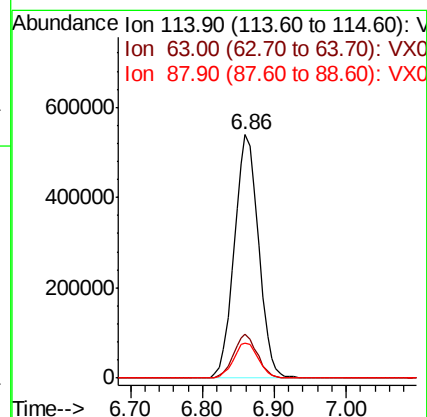
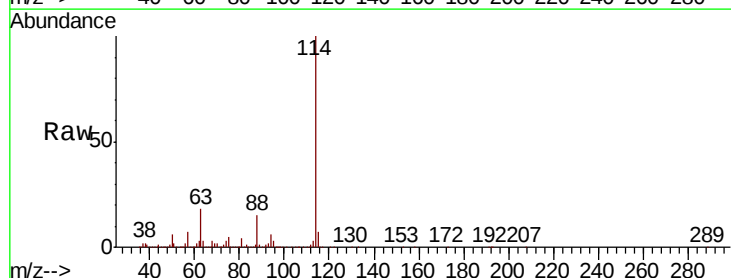
Tgt Ion: 114 Resp: 1265711

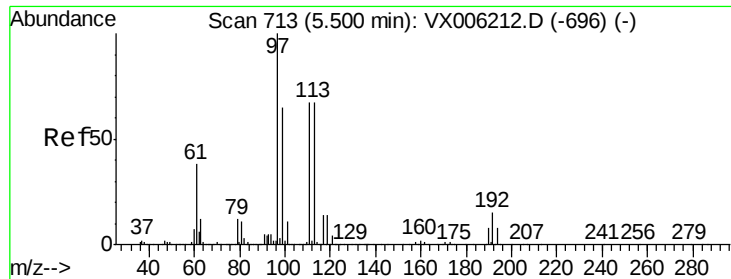
Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.6

88 14.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 48.531 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006297.D

Acq: 05 Dec 2018 13:44

Instrument :
MSVOA_X
ClientSampleId :
TW-4

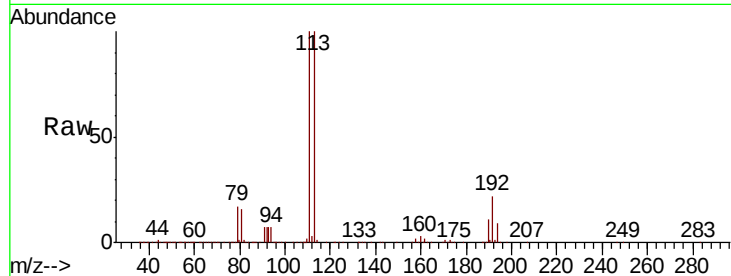
Tot Ion:113 Resp: 397709

Ion Ratio Lower Upper

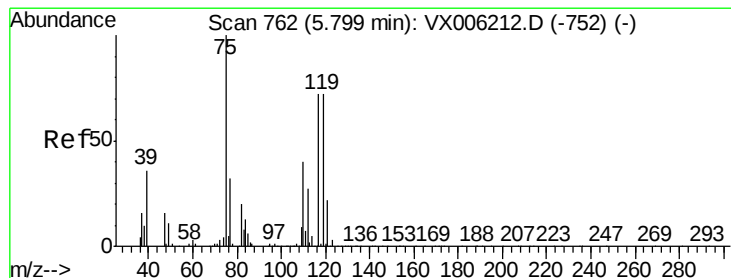
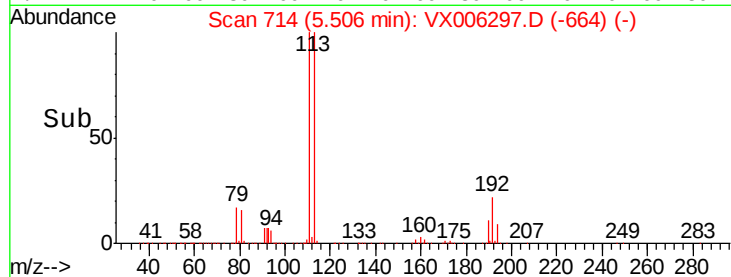
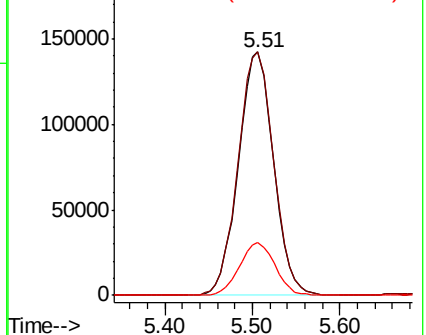
113 100

111 101.6 81.1 121.7

192 22.0 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: 4.814 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006297.D

Acq: 05 Dec 2018 13:44

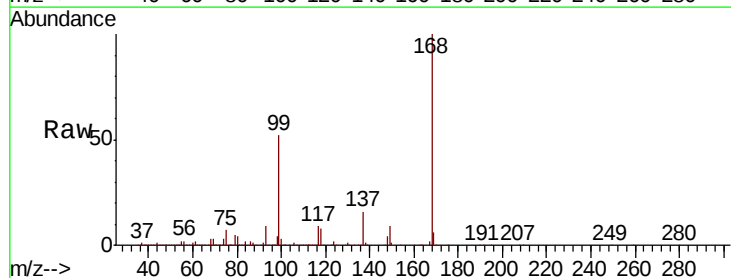
Tgt Ion: 75 Resp: 51307

Ion Ratio Lower Upper

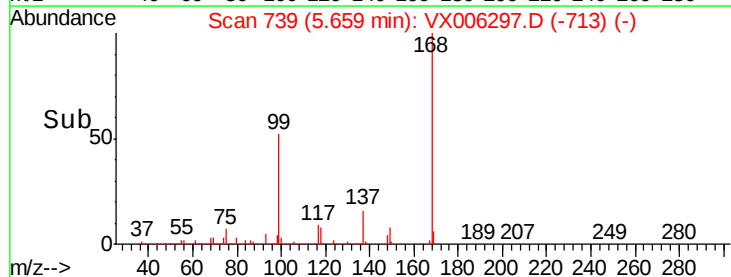
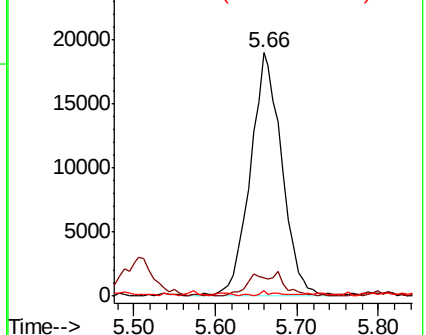
75 100

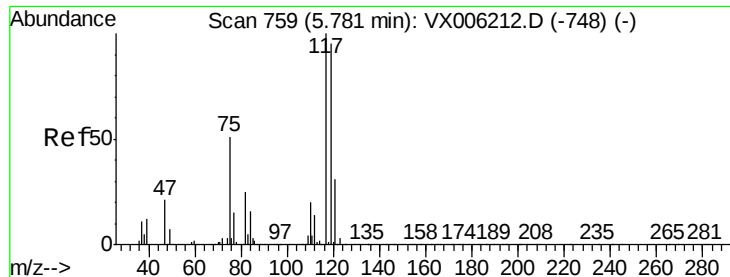
110 6.0 20.4 61.3#

77 0.7 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: 6.144 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006297.D

Acq: 05 Dec 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

TW-4

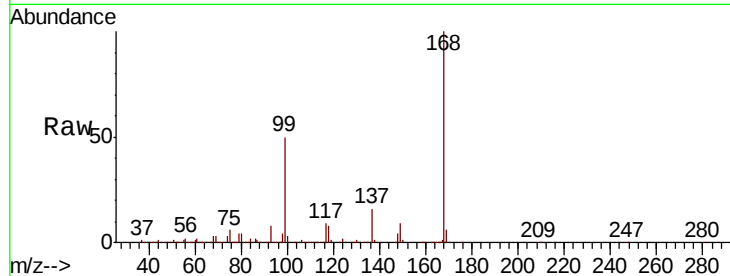
Tot Ion:117 Resp: 77041

Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.8#

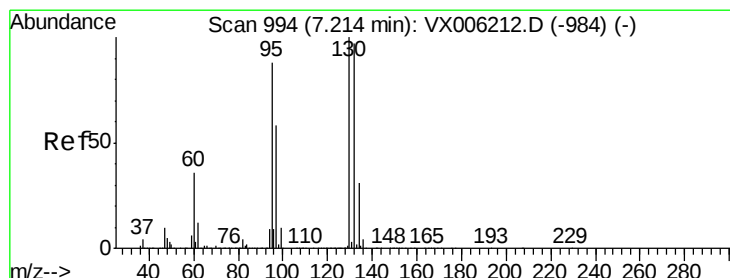
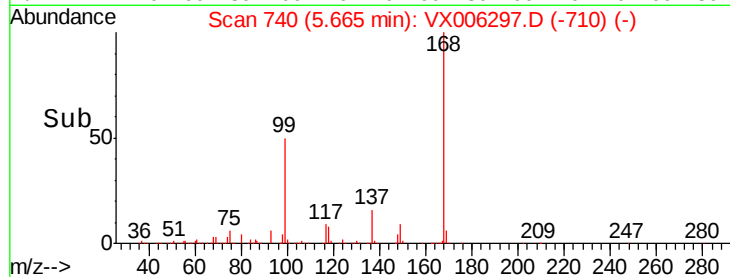
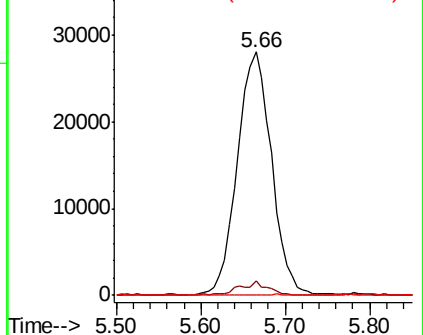
121 0.0 24.6 37.0#



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: 0.210 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX006297.D

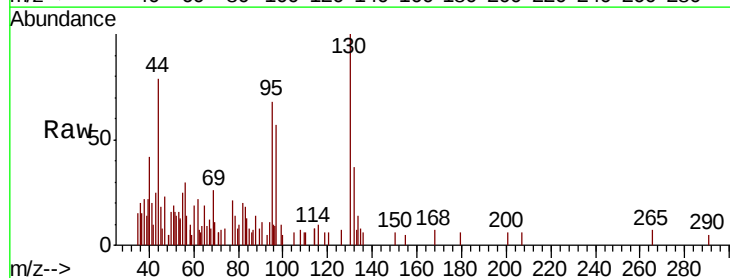
Acq: 05 Dec 2018 13:44

Tgt Ion:130 Resp: 2031

Ion Ratio Lower Upper

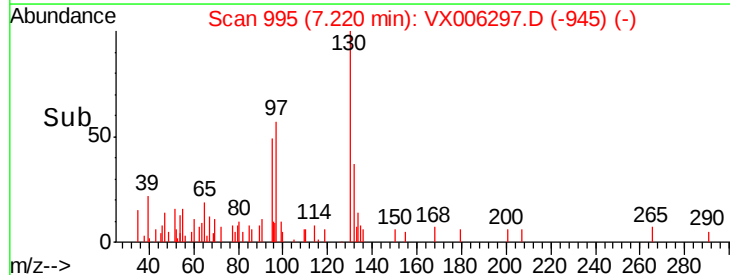
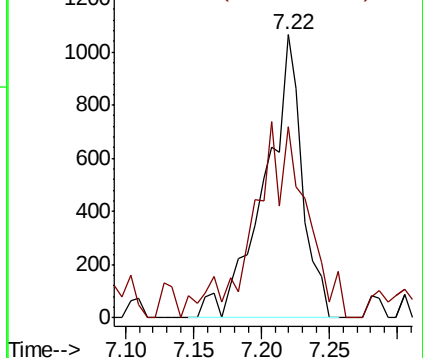
130 100

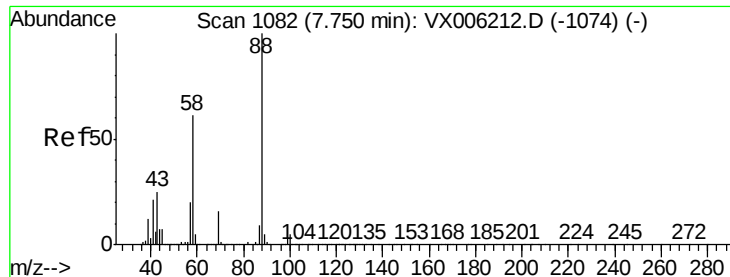
95 59.7 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 1.437 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX006297.D

Acq: 05 Dec 2018 13:44

Instrument :

MSVOA_X

ClientSampled :

TW-4

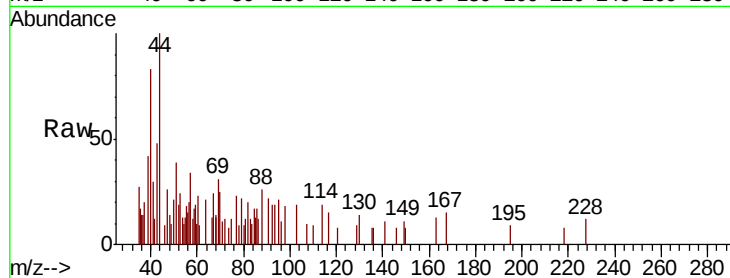
Tot Ion: 88 Resp: 343

Ion Ratio Lower Upper

88 100

43 0.0 23.2 34.8#

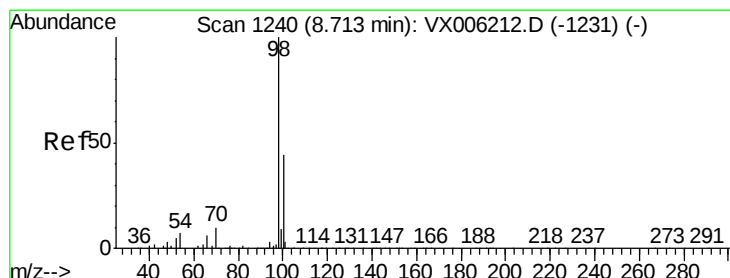
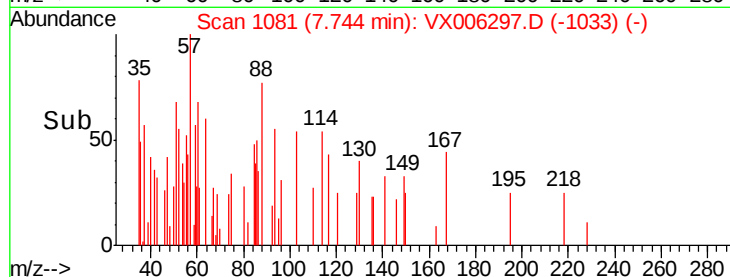
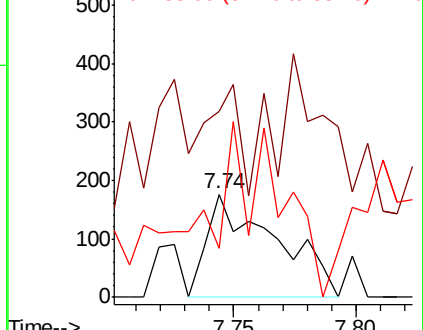
58 142.0 51.4 77.0#



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



#50

Toluene-d8

Concen: 49.537 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006297.D

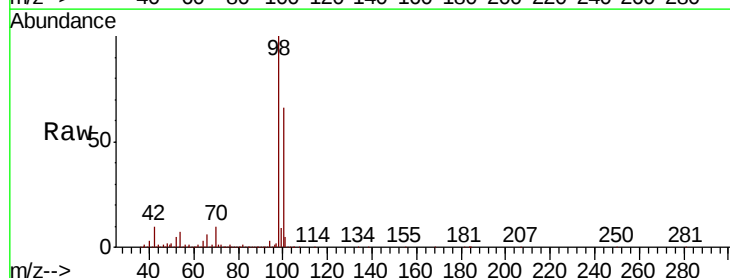
Acq: 05 Dec 2018 13:44

Tgt Ion: 98 Resp: 1476629

Ion Ratio Lower Upper

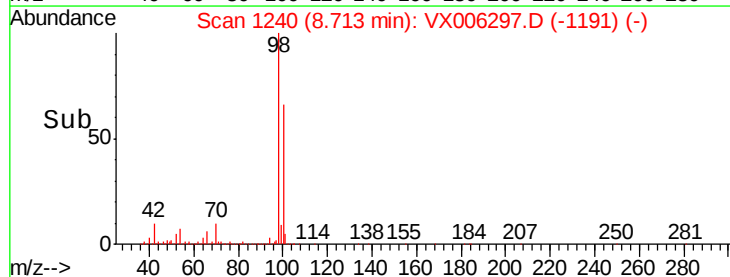
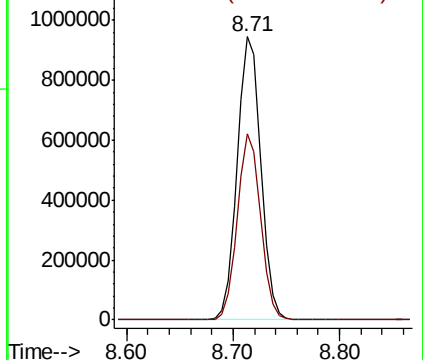
98 100

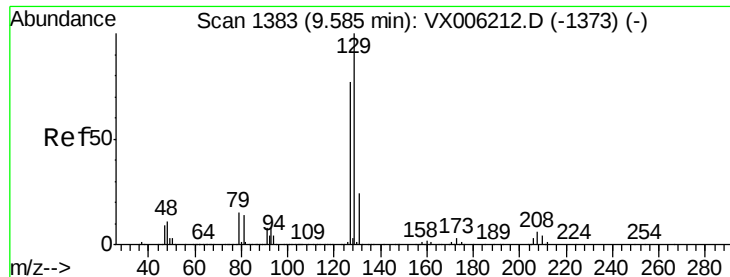
100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 1.668 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.25 min

Lab File: VX006297.D

Acq: 05 Dec 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

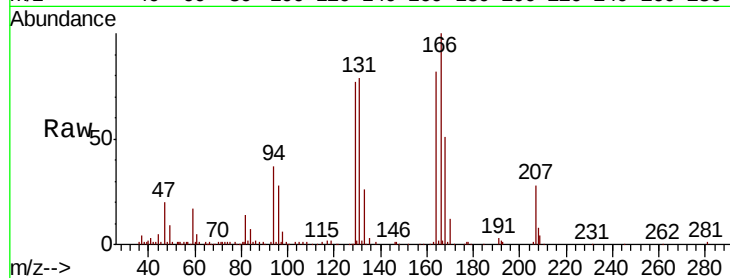
TW-4

Tot Ion:129 Resp: 17548

Ion Ratio Lower Upper

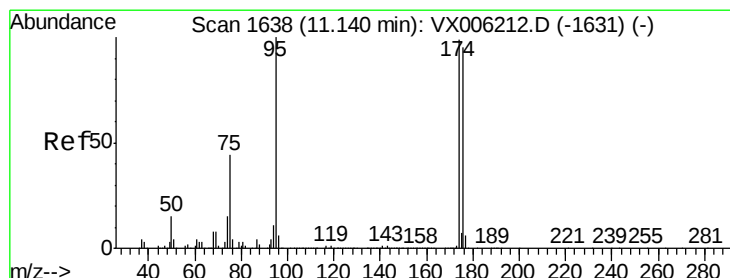
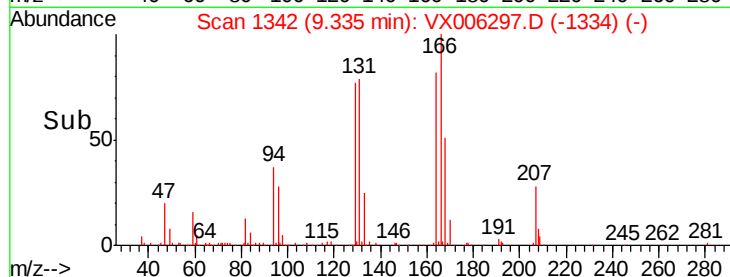
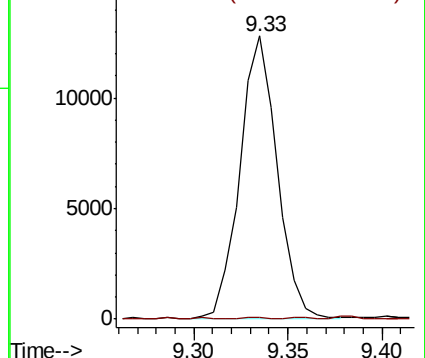
129 100

127 0.3 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 48.150 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006297.D

Acq: 05 Dec 2018 13:44

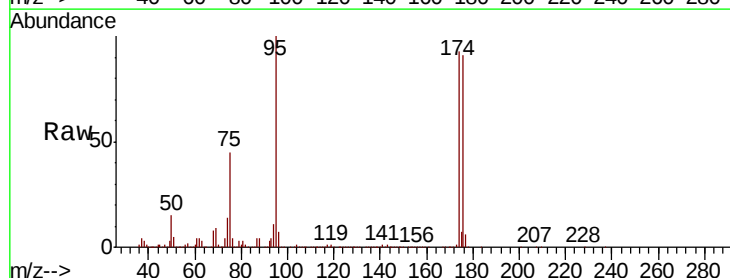
Tgt Ion: 95 Resp: 540861

Ion Ratio Lower Upper

95 100

174 89.4 0.0 187.0

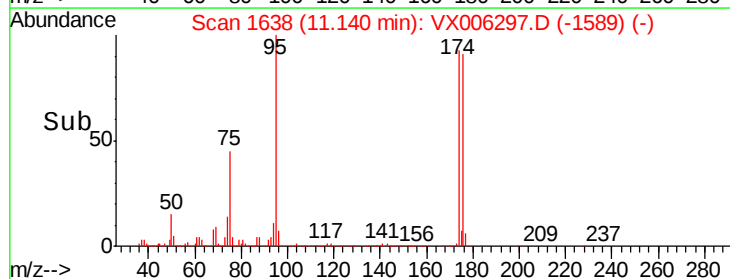
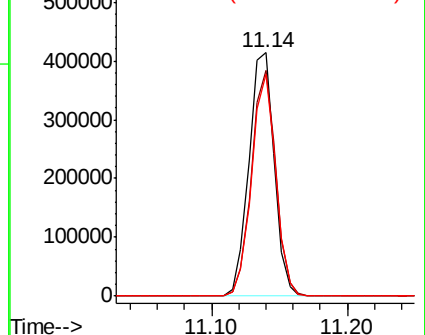
176 87.2 0.0 181.8

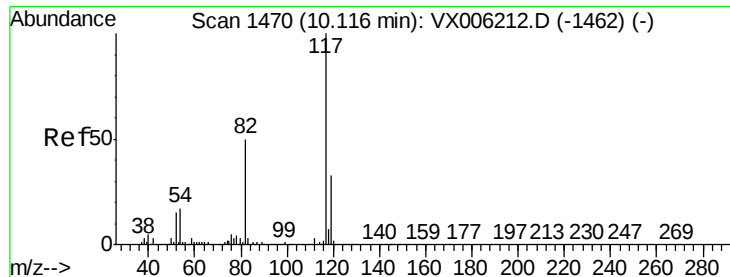


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

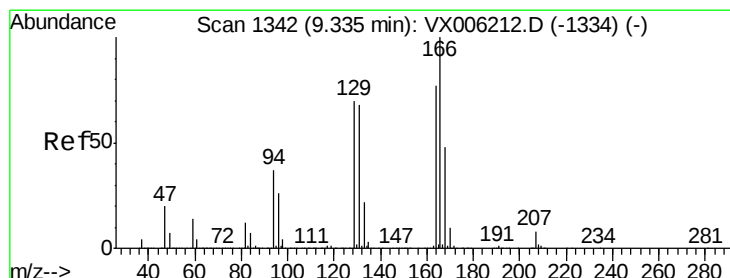
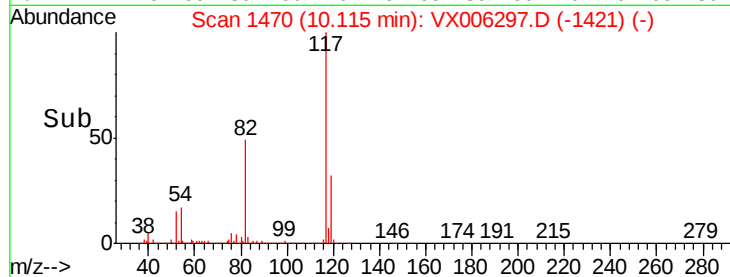
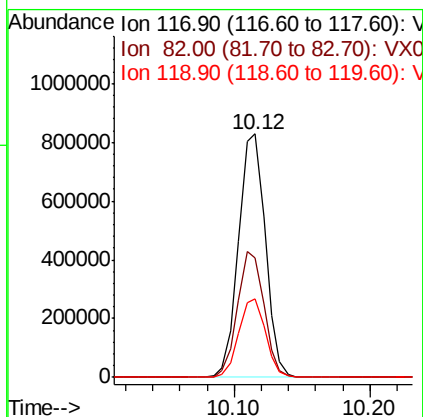
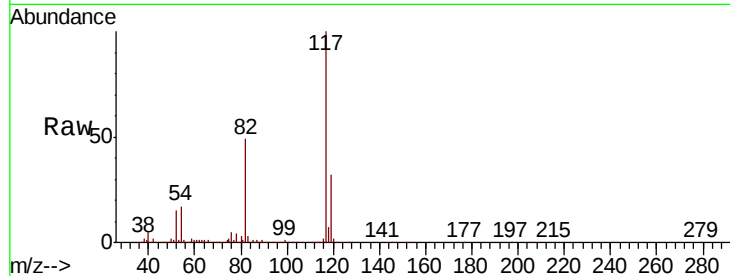




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006297.D
Acq: 05 Dec 2018 13:44

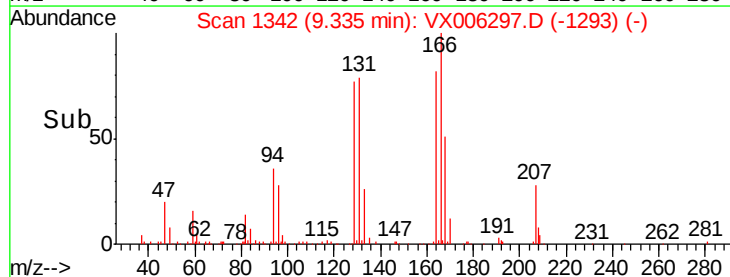
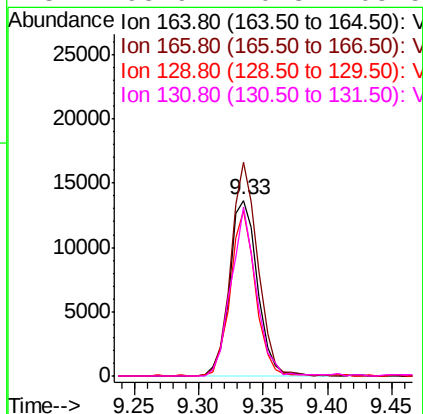
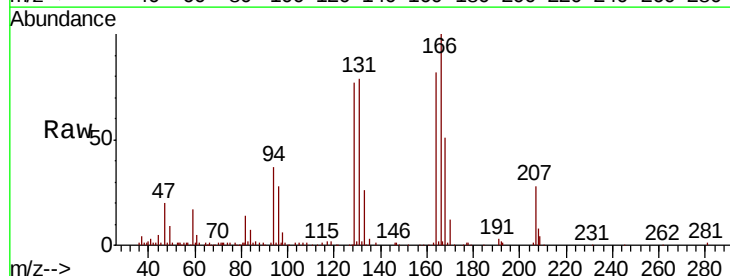
Instrument :
MSVOA_X
ClientSampled :
TW-4

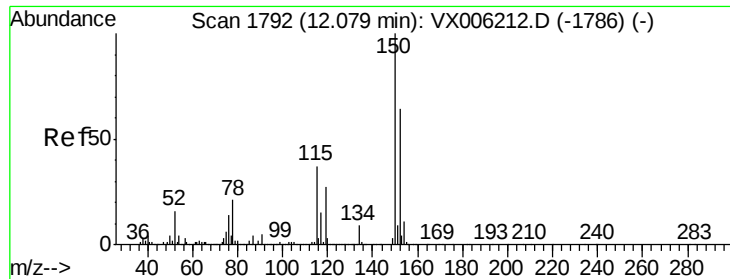
Tot Ion:117 Resp: 1141269
Ion Ratio Lower Upper
117 100
82 49.0 39.6 59.4
119 32.3 26.3 39.5



#64
Tetrachloroethene
Concen: 2.400 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006297.D
Acq: 05 Dec 2018 13:44

Tgt Ion:164 Resp: 20625
Ion Ratio Lower Upper
164 100
166 121.6 104.2 156.2
129 93.2 72.6 108.8
131 95.9 70.3 105.5



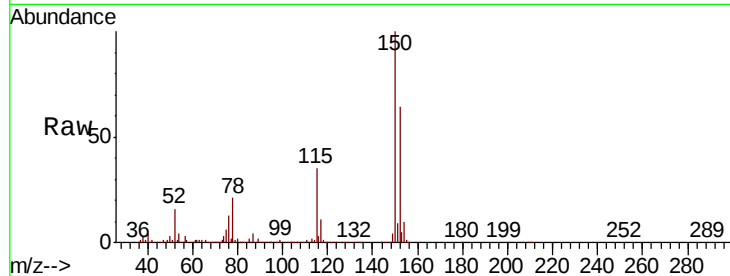


#72

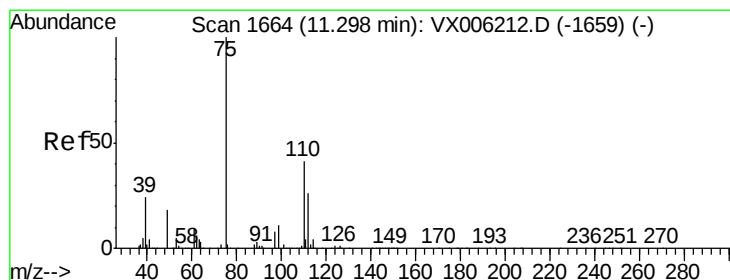
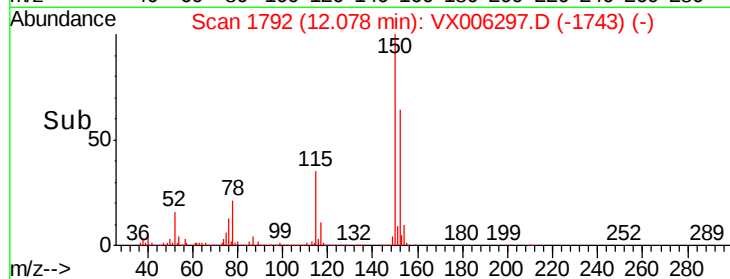
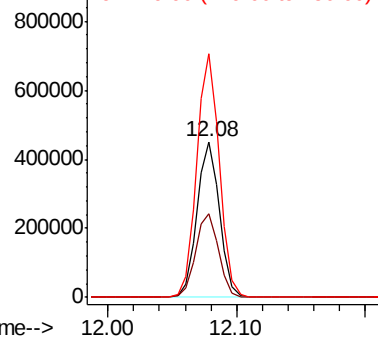
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006297.D
Acq: 05 Dec 2018 13:44

Instrument :
MSVOA_X
ClientSampled :
TW-4

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.5	39.0	116.9
150	157.5	0.0	345.8



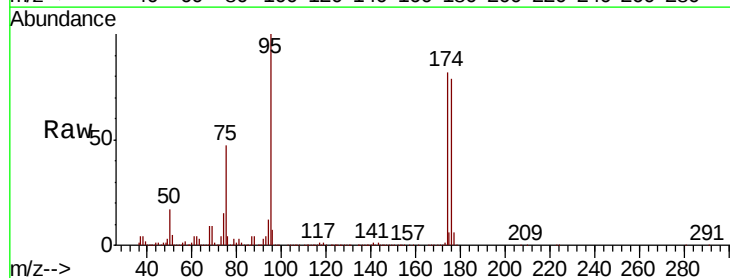
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



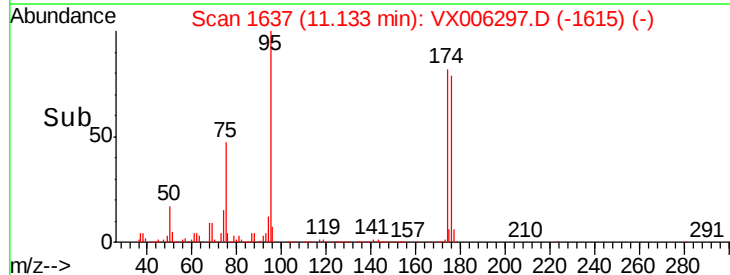
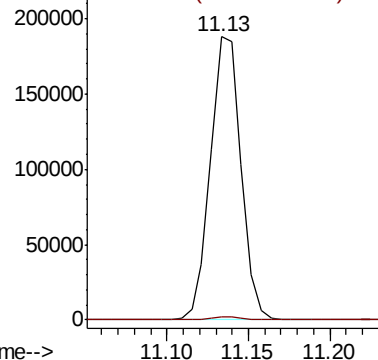
#76

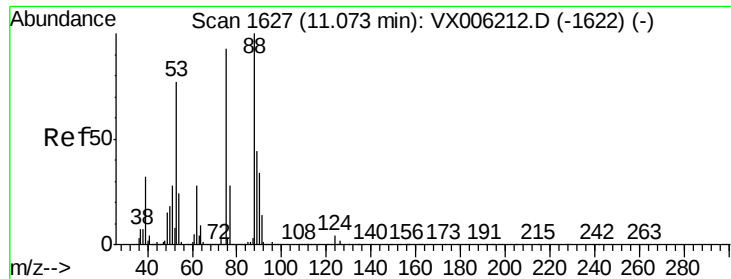
1,2,3-Trichloropropane
Concen: 23.020 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006297.D
Acq: 05 Dec 2018 13:44

Tgt 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: 54.021 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006297.D

Acq: 05 Dec 2018 13:44

Instrument :

MSVOA_X

ClientSampleId :

TW-4

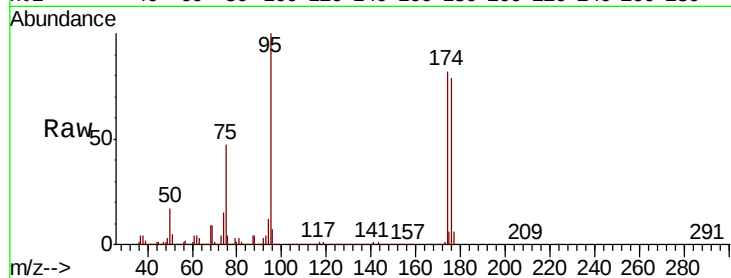
Tot Ion: 75 Resp: 246197

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

