

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122118\
 Data File : VX006714.D
 Acq On : 21 Dec 2018 10:58
 Operator : JC/MD
 Sample : VX1221WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1221WBL01

Quant Time: Dec 22 04:00:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	678329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1030205	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	940033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	448984	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	348614	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
35) Dibromofluoromethane	5.50	113	302547	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
50) Toluene-d8	8.71	98	1209547	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
62) 4-Bromofluorobenzene	11.13	95	433757	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	

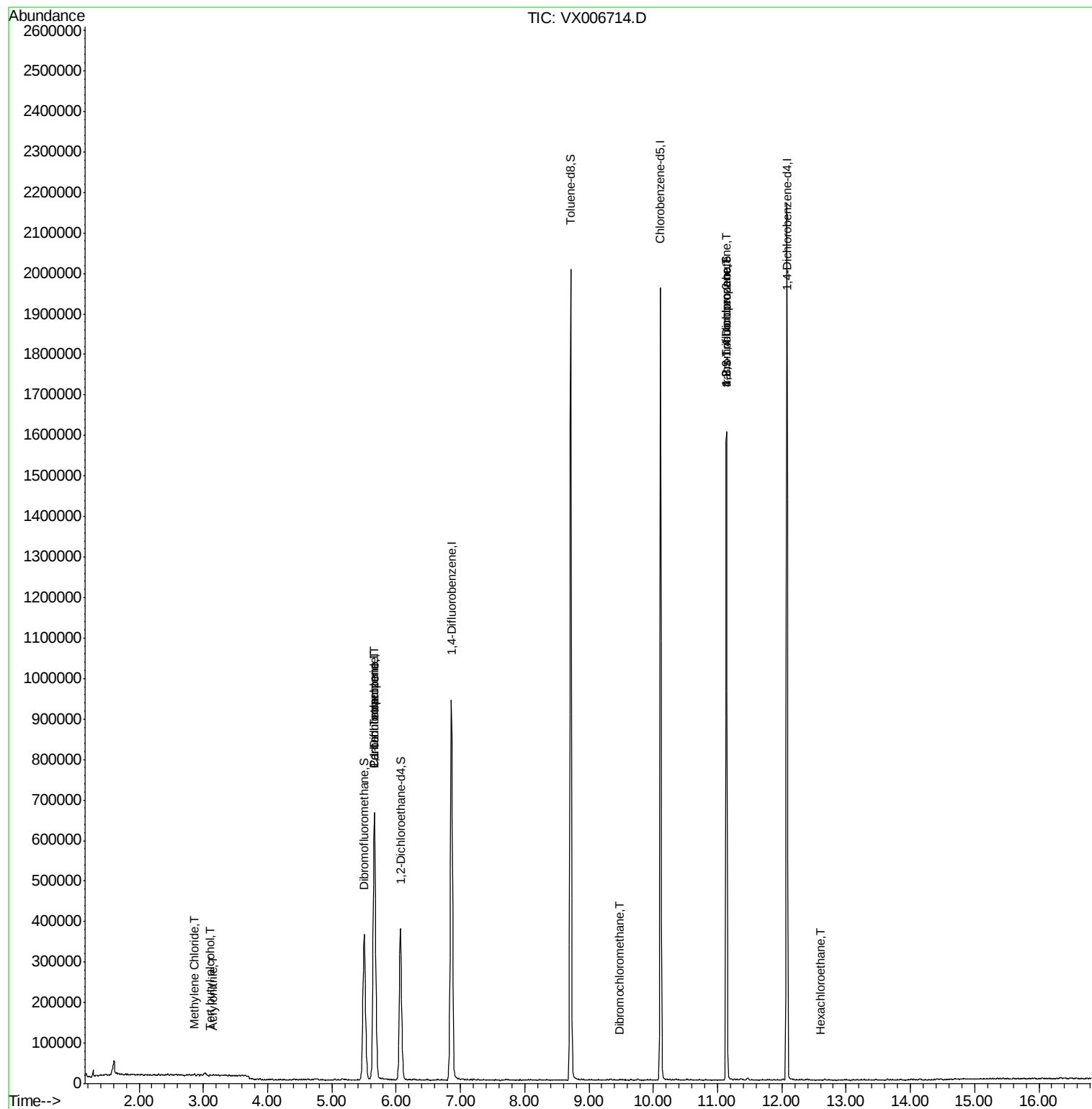
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1806	Below Cal	#	75
11) Tert butyl alcohol	3.09	59	492	0.302	ug/l #	1
15) Acrylonitrile	3.14	53	889	0.245	ug/l #	60
20) Methylene Chloride	2.85	84	2297	0.331	ug/l #	56
28) Bromochloromethane	5.02	49	241	Below Cal	#	10
36) 1,1-Dichloropropene	5.66	75	41235	4.833	ug/l #	48
38) Carbon Tetrachloride	5.67	117	61685	7.439	ug/l #	14
49) 1,4-Dioxane	7.76	88	45	Below Cal	#	1
60) Dibromochloromethane	9.48	129	31	2.328	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	205975	24.685	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	205975	72.998	ug/l #	10
90) Hexachloroethane	12.61	117	90	3.313	ug/l #	6

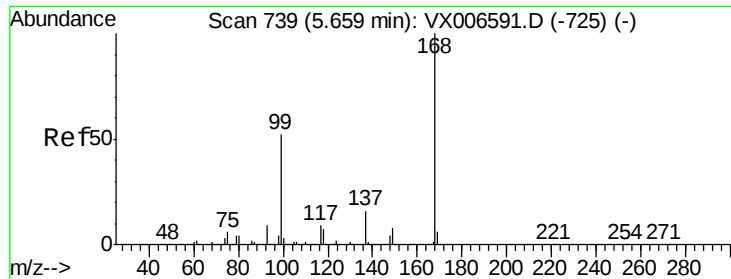
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX006714.D

Acq: 21 Dec 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

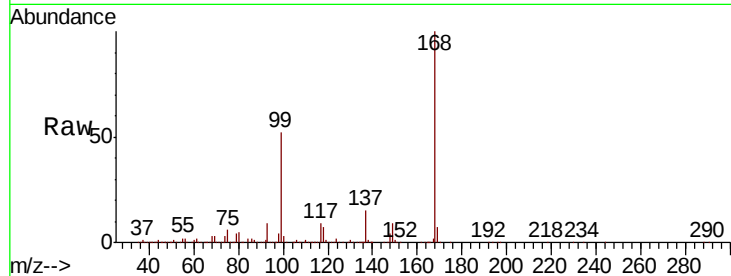
VX1221WBL01

Tot Ion:168 Resp: 678329

Ion Ratio Lower Upper

168 100

99 52.2 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): VX006714.D (-690) (-)

Ion 98.90 (98.60 to 99.60): VX006714.D (-690) (-)

5.66

250000

200000

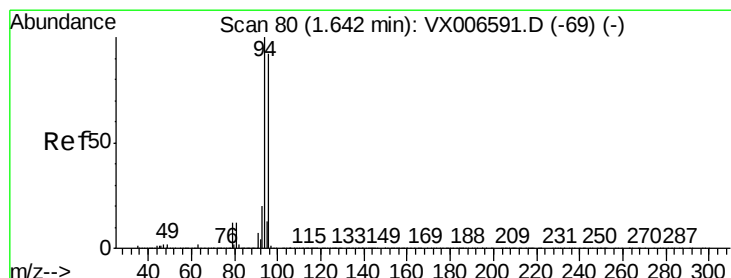
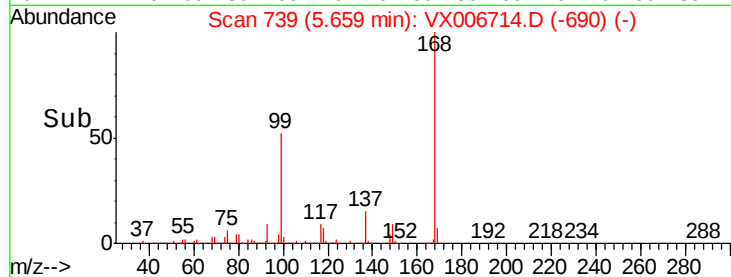
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006714.D

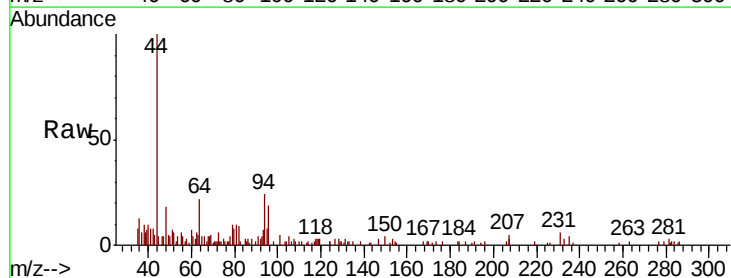
Acq: 21 Dec 2018 10:58

Tgt Ion: 94 Resp: 1806

Ion Ratio Lower Upper

94 100

96 67.5 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX006714.D (-31) (-)

Ion 95.90 (95.60 to 96.60): VX006714.D (-31) (-)

1.64

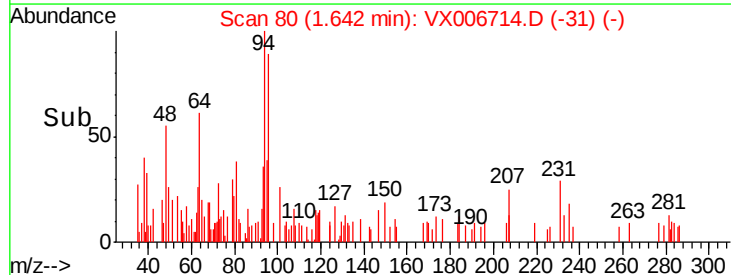
1500

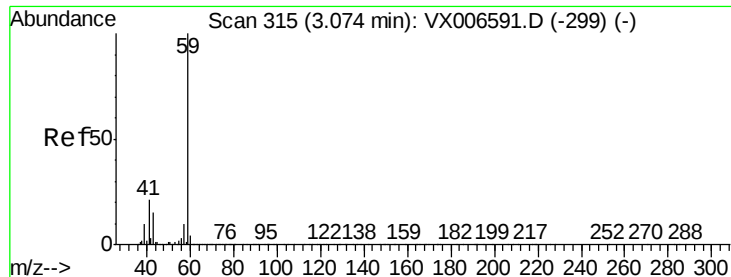
1000

500

0

Time-->



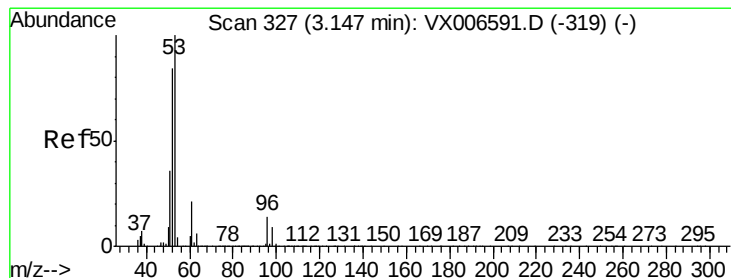
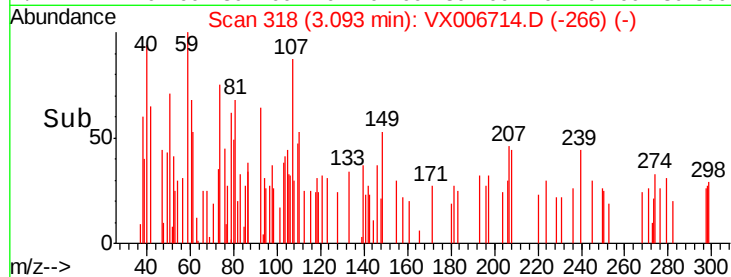
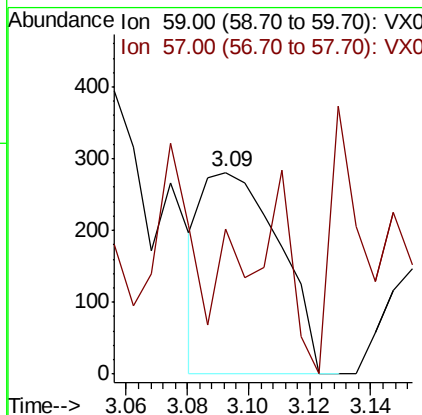
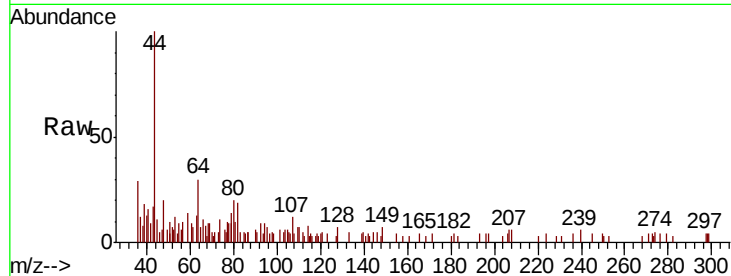


#11

Tert butyl alcohol
Concen: 0.302 ug/l
RT: 3.09 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX006714.D
Acq: 21 Dec 2018 10:58

Instrument :
MSVOA_X
ClientSampleId :
VX1221WBL01

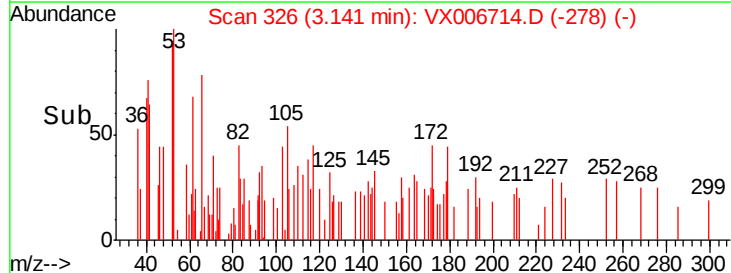
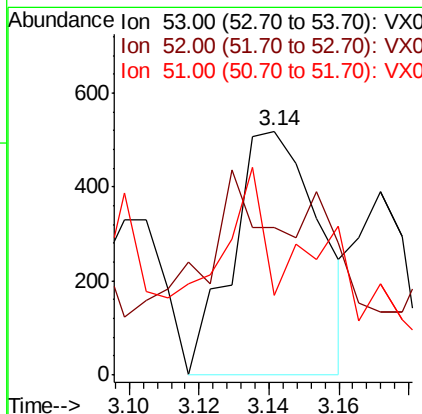
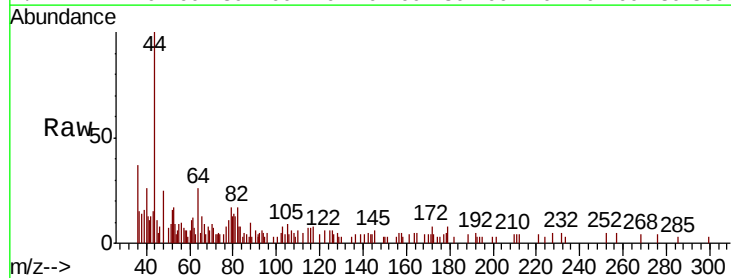
Tot Ion: 59 Resp: 492
Ion Ratio Lower Upper
59 100
57 61.2 8.5 12.7#

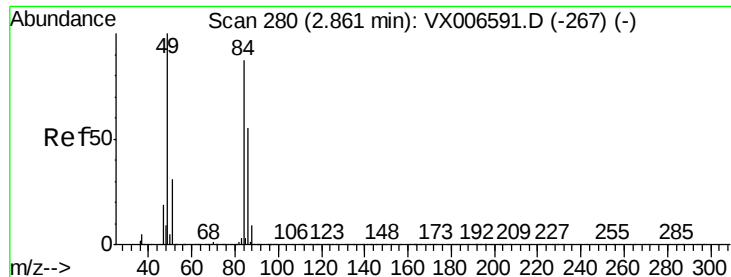


#15

Acrylonitrile
Concen: 0.245 ug/l
RT: 3.14 min Scan# 326
Delta R.T. -0.01 min
Lab File: VX006714.D
Acq: 21 Dec 2018 10:58

Tgt Ion: 53 Resp: 889
Ion Ratio Lower Upper
53 100
52 35.8 66.0 99.0#
51 28.3 28.6 42.8#





#20

Methvlene Chloride

Concen: 0.331 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX006714.D

Acq: 21 Dec 2018 10:58

Instrument :

MSVOA_X

ClientSampled :

VX1221WBL01

Tot Ion: 84 Resp: 2297

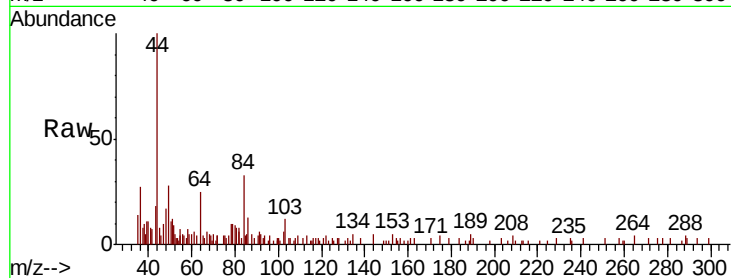
Ion Ratio Lower Upper

84 100

49 66.3 91.8 137.6#

51 14.6 28.5 42.7#

86 27.1 50.2 75.2#

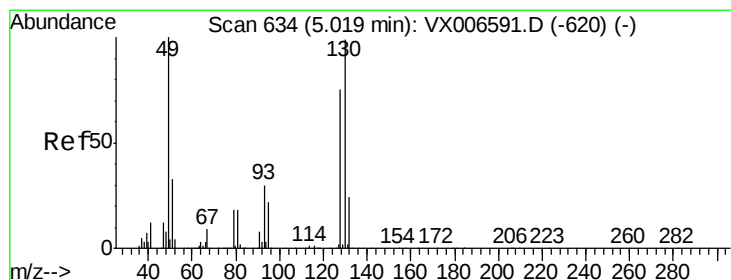
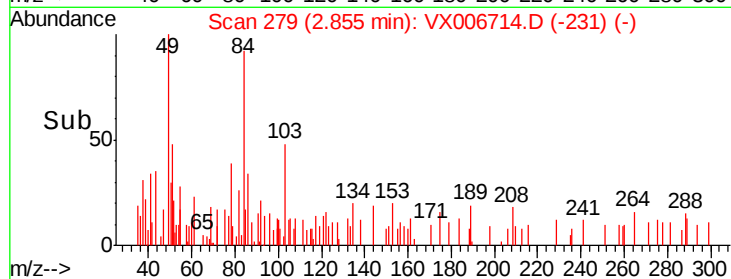
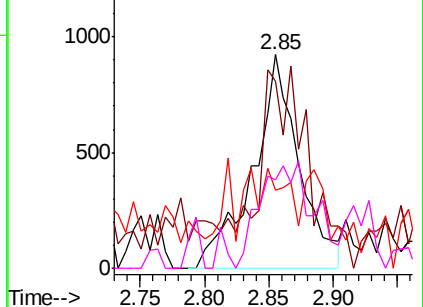


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX006714.D

Acq: 21 Dec 2018 10:58

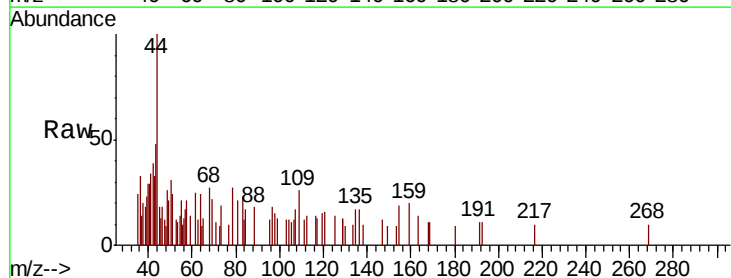
Tgt Ion: 49 Resp: 241

Ion Ratio Lower Upper

49 100

129 34.0 0.0 5.4#

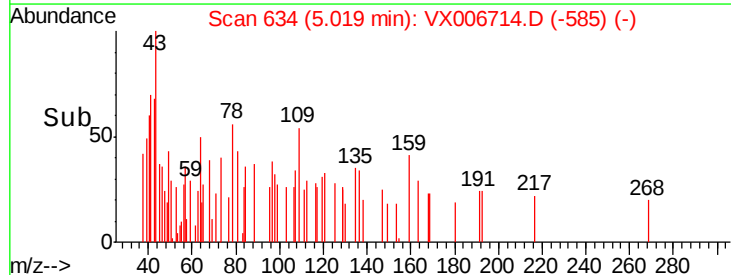
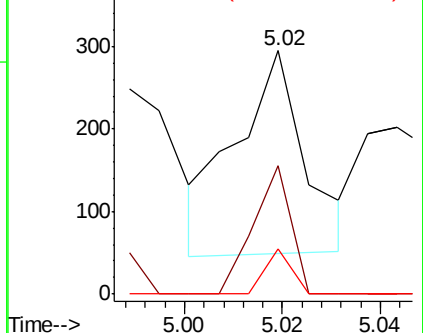
130 8.3 77.7 116.5#

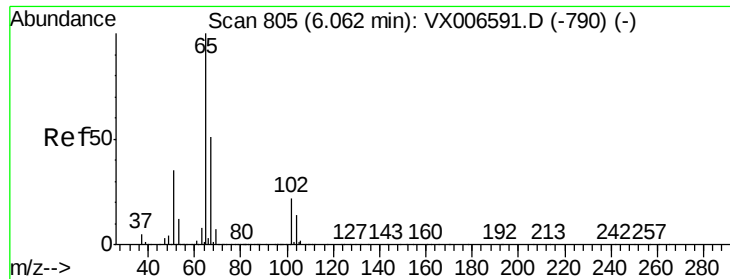


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#33

1,2-Dichloroethane-d4

Concen: 47.685 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX006714.D

Acq: 21 Dec 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

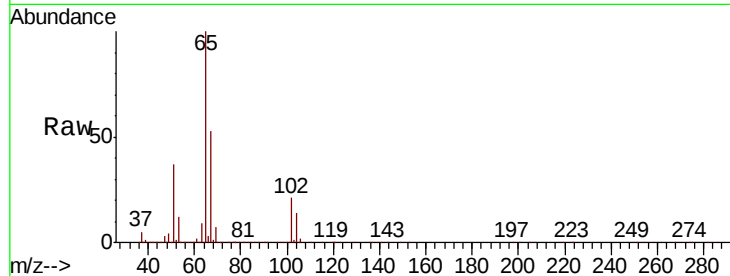
VX1221WBL01

Tot Ion: 65 Resp: 348614

Ion Ratio Lower Upper

65 100

67 54.0 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

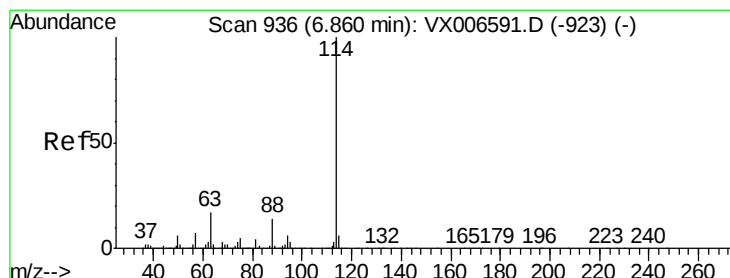
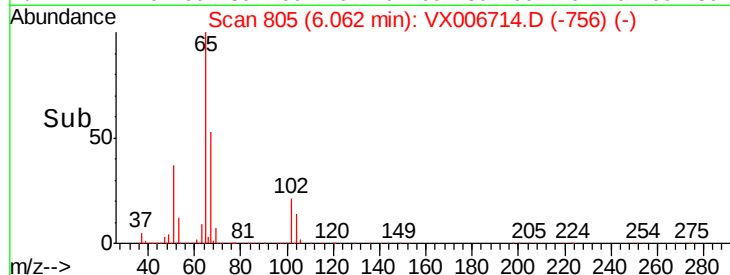
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006714.D

Acq: 21 Dec 2018 10:58

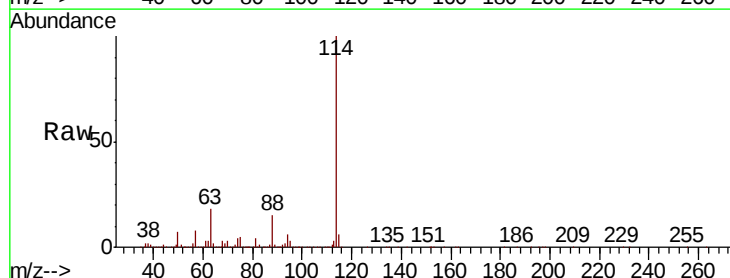
Tgt Ion: 114 Resp: 1030205

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.8

88 14.8 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

600000

500000

400000

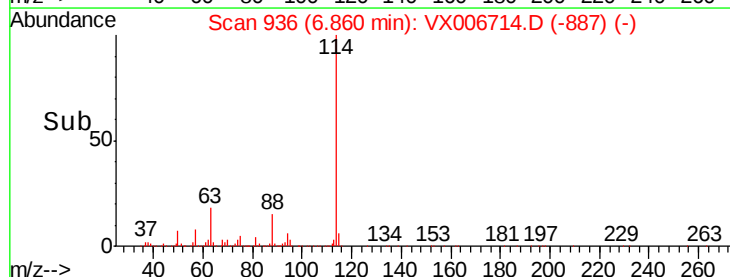
300000

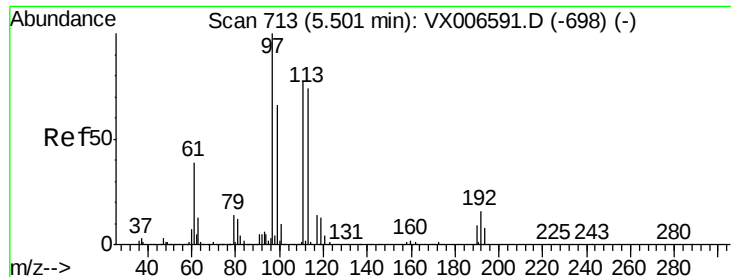
200000

100000

0

Time--> 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 46.440 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006714.D

Acq: 21 Dec 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBL01

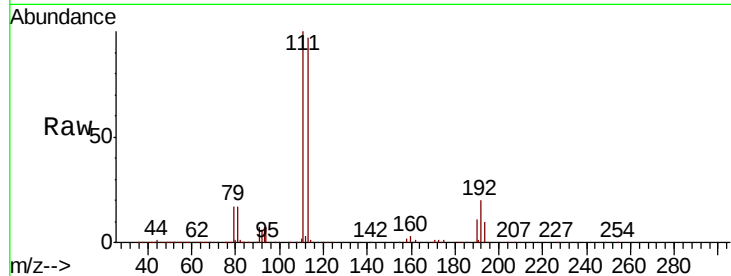
Tot Ion:113 Resp: 302547

Ion Ratio Lower Upper

113 100

111 103.1 81.6 122.4

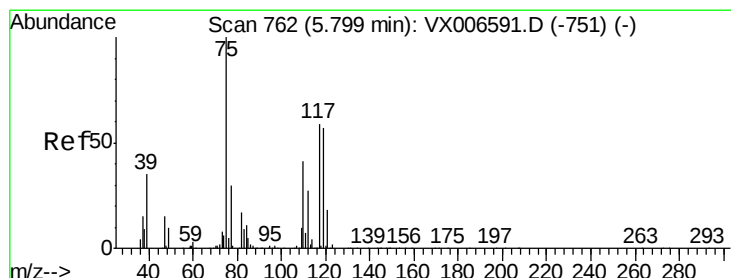
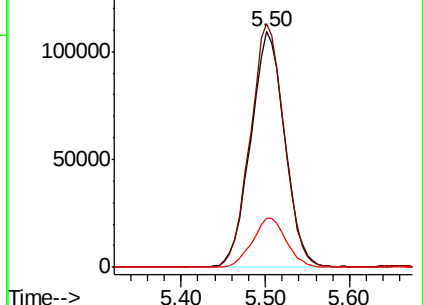
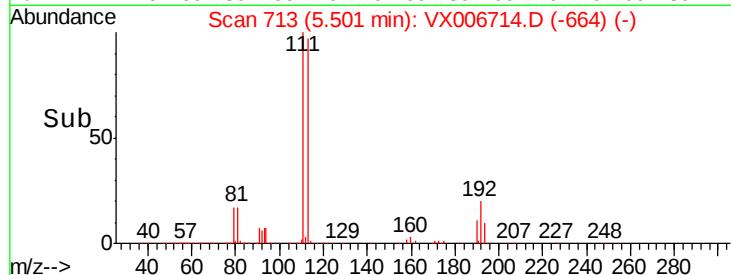
192 21.0 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.833 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006714.D

Acq: 21 Dec 2018 10:58

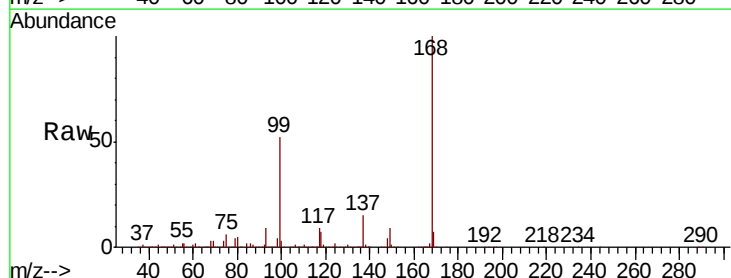
Tgt Ion: 75 Resp: 41235

Ion Ratio Lower Upper

75 100

110 9.8 20.2 60.5#

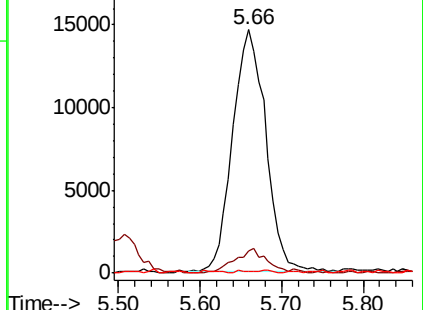
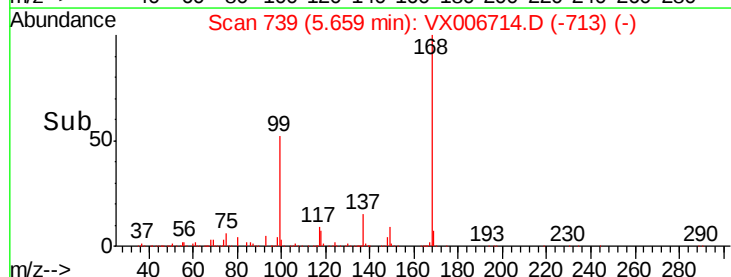
77 0.4 24.8 37.2#

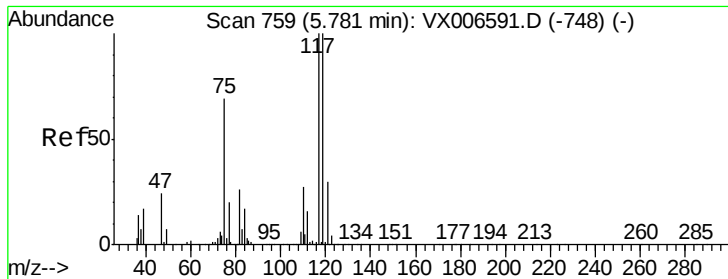


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.439 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006714.D

Acq: 21 Dec 2018 10:58

Instrument :

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ClientSampleId :

VX1221WBL01

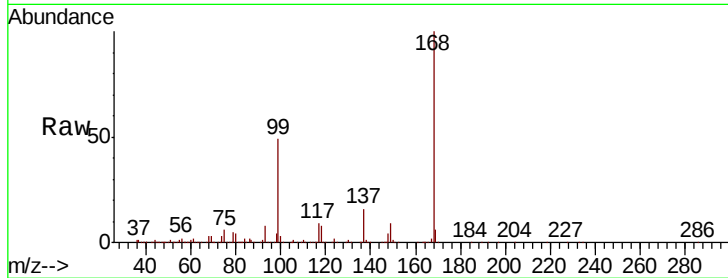
Tot Ion:117 Resp: 61685

Ion Ratio Lower Upper

117 100

119 4.9 79.4 119.2#

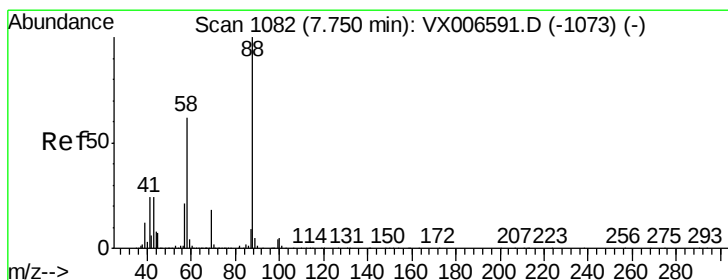
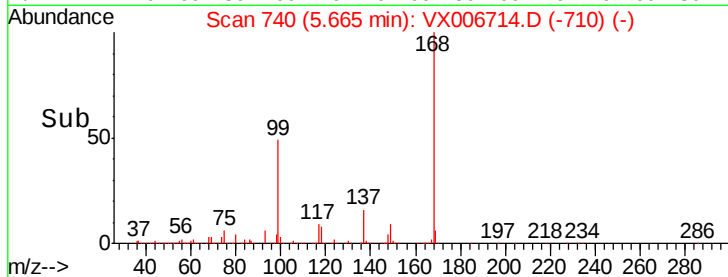
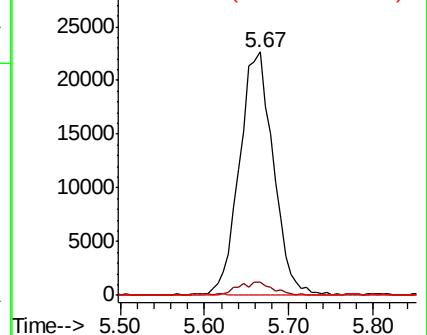
121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX006714.D

Acq: 21 Dec 2018 10:58

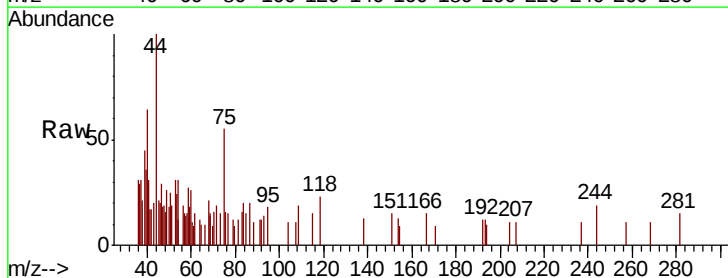
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

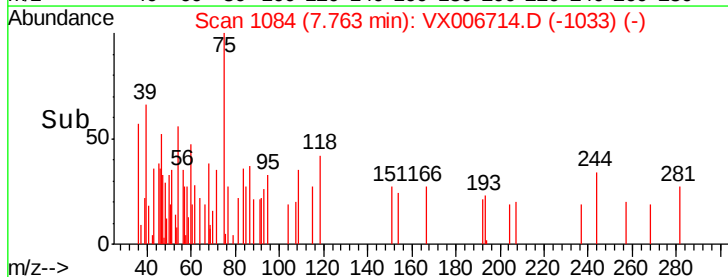
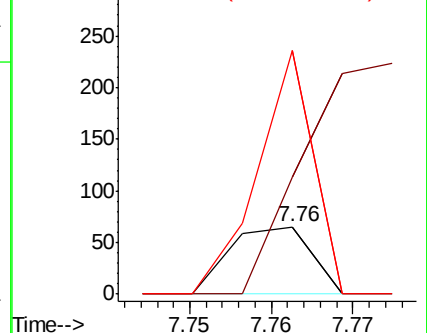
58 248.9 51.0 76.4#

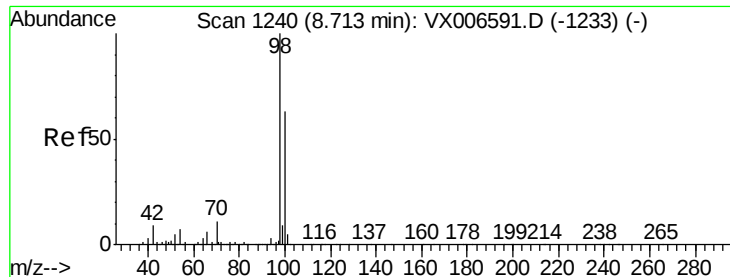


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.246 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006714.D

Acq: 21 Dec 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

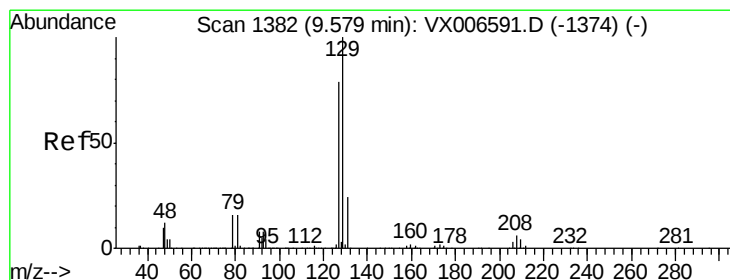
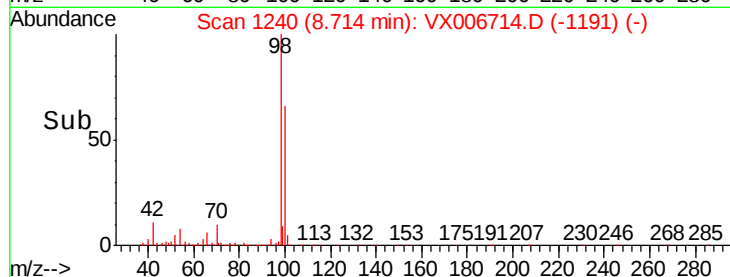
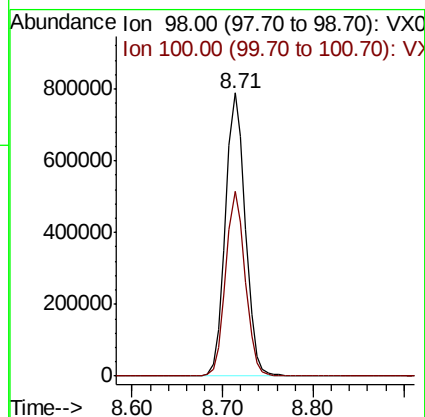
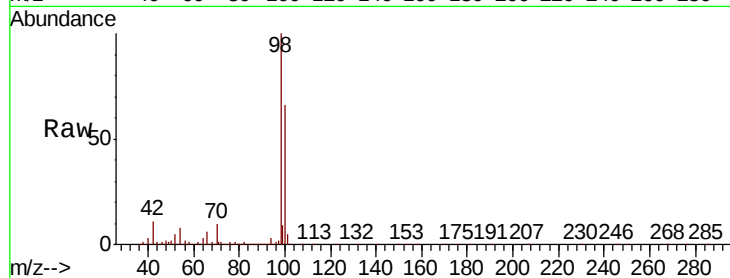
VX1221WBL01

Tot Ion: 98 Resp: 1209547

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



#60

Dibromochloromethane

Concen: 2.328 ug/l

RT: 9.48 min Scan# 1366

Delta R.T. -0.10 min

Lab File: VX006714.D

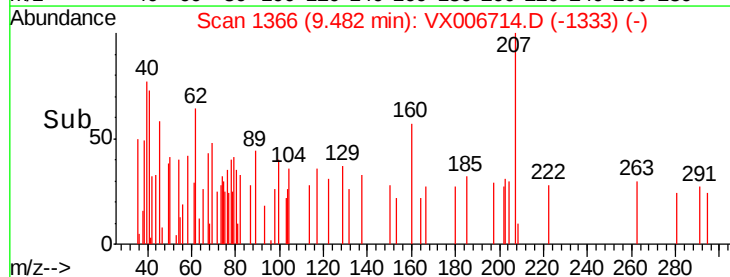
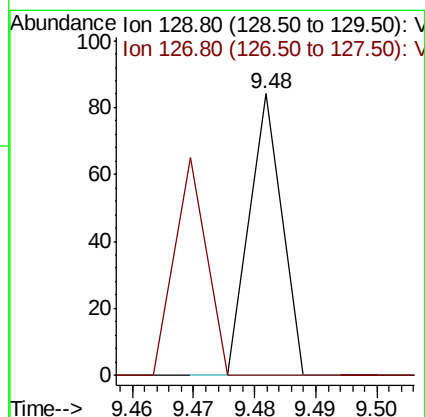
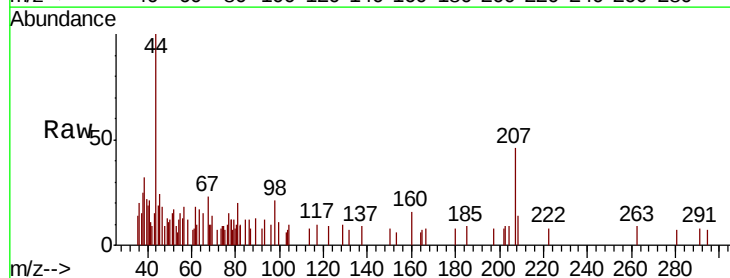
Acq: 21 Dec 2018 10:58

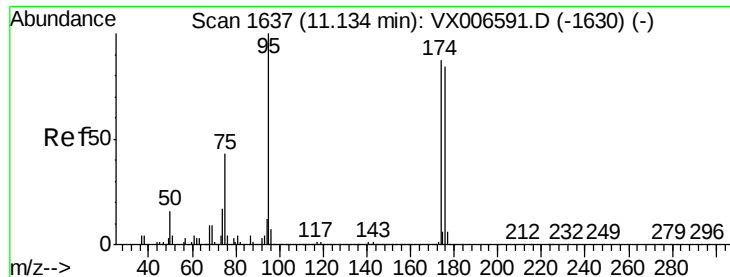
Tgt Ion: 129 Resp: 31

Ion Ratio Lower Upper

129 100

127 77.4 39.3 117.8

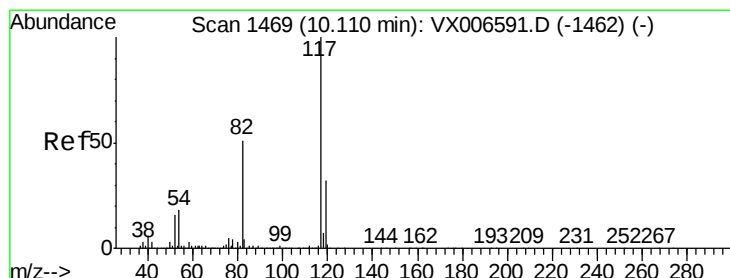
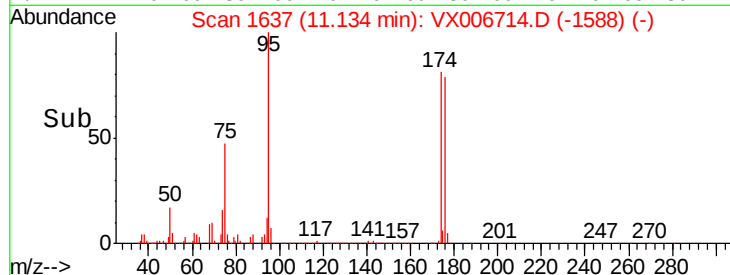
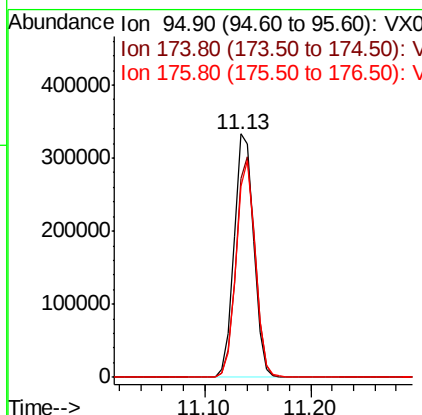
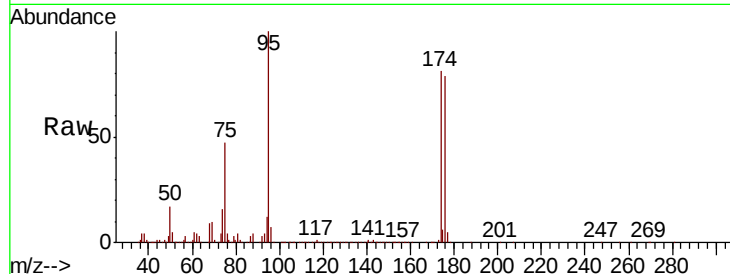




#62
4-Bromofluorobenzene
Concen: 48.220 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX006714.D
Acq: 21 Dec 2018 10:58

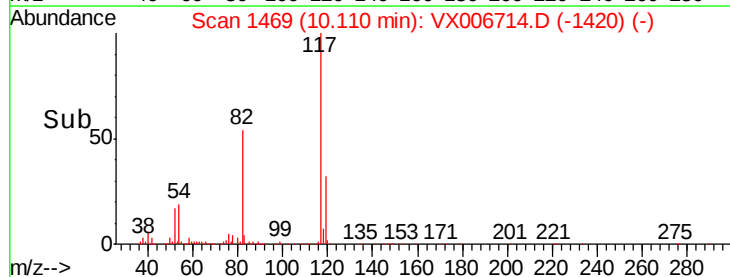
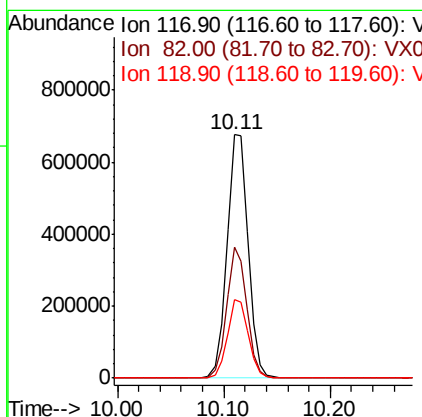
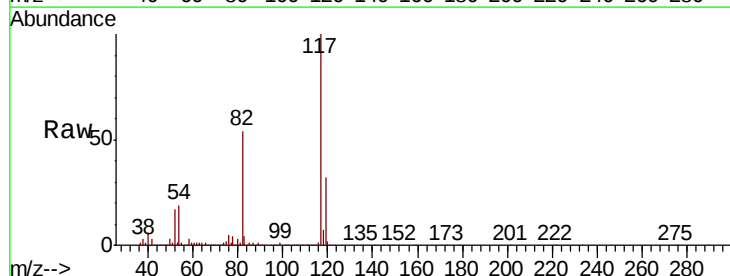
Instrument :
MSVOA_X
ClientSampleId :
VX1221WBL01

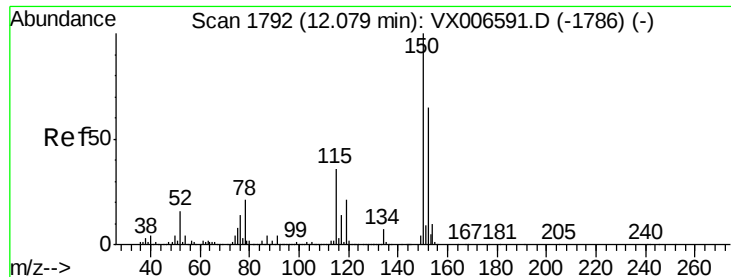
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.3	0.0	182.2
176	86.7	0.0	178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX006714.D
Acq: 21 Dec 2018 10:58

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.6	41.0	61.6
119	32.4	25.4	38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006714.D

Acq: 21 Dec 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBL01

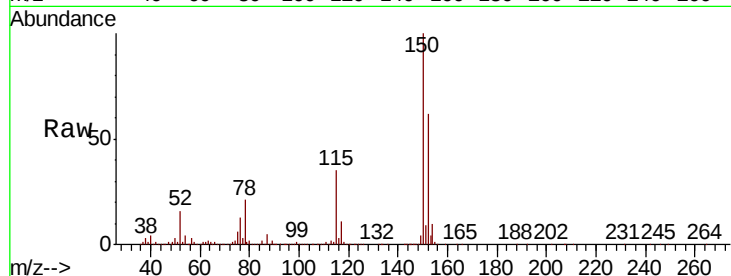
Tot Ion:152 Resp: 448984

Ion Ratio Lower Upper

152 100

115 57.0 39.1 117.2

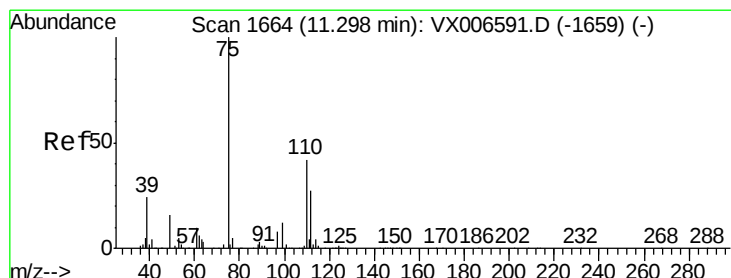
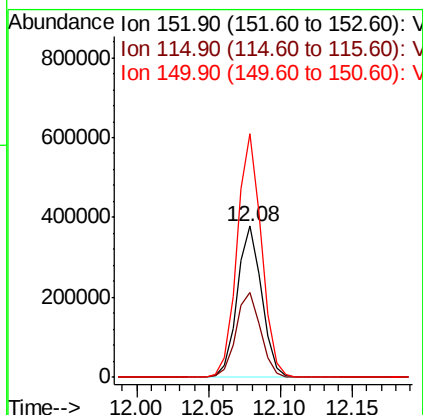
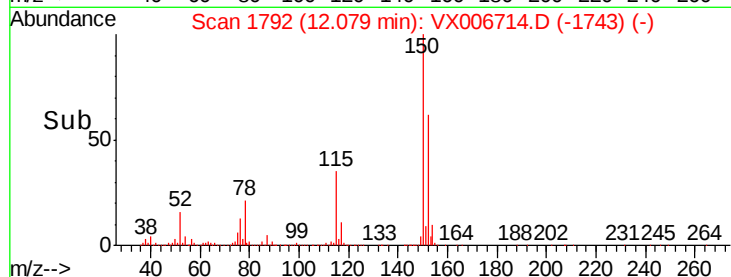
150 160.1 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.685 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006714.D

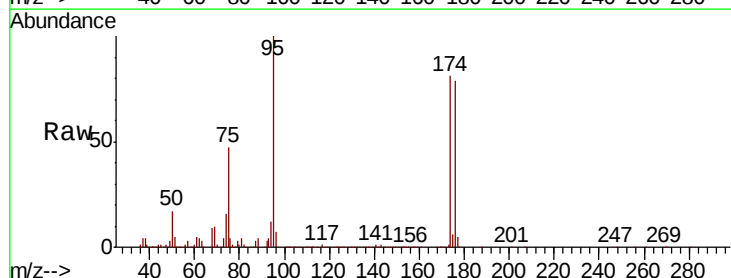
Acq: 21 Dec 2018 10:58

Tgt Ion: 75 Resp: 205975

Ion Ratio Lower Upper

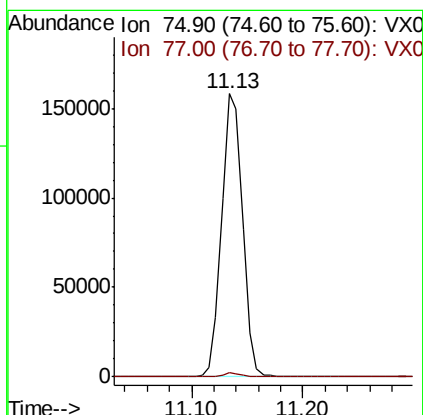
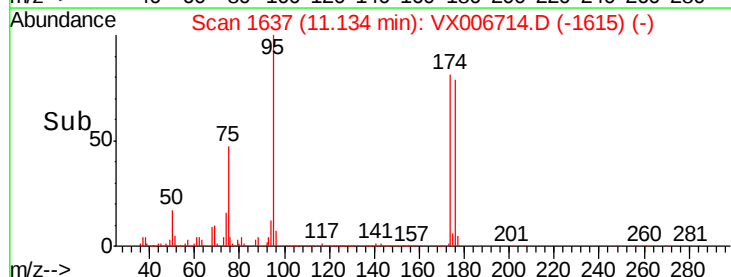
75 100

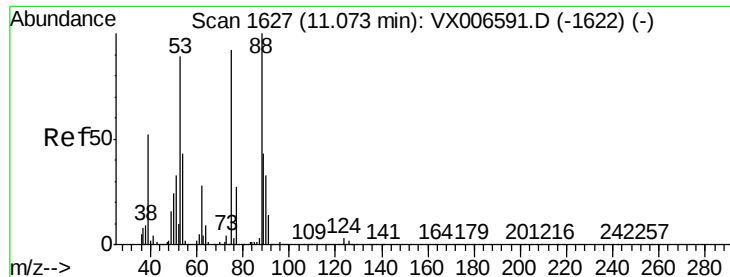
77 1.3 18.5 55.5#



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: 72.998 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006714.D

Acq: 21 Dec 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VX1221WBL01

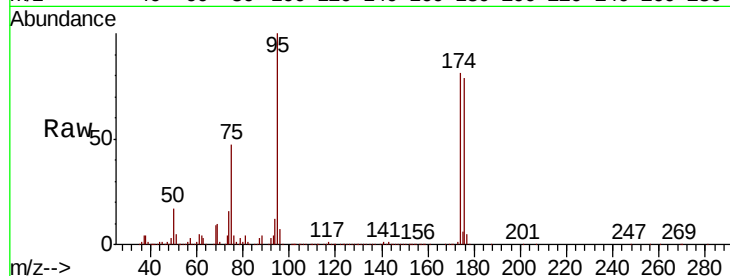
Tot Ion: 75 Resp: 205975

Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

89 0.0 38.0 57.0#



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

11.13

200000

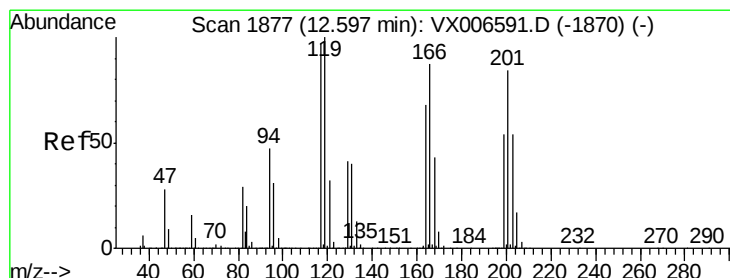
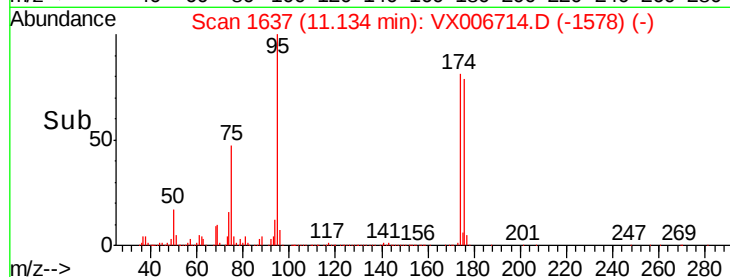
150000

100000

50000

0

Time-->



#90

Hexachloroethane

Concen: 3.313 ug/l

RT: 12.61 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VX006714.D

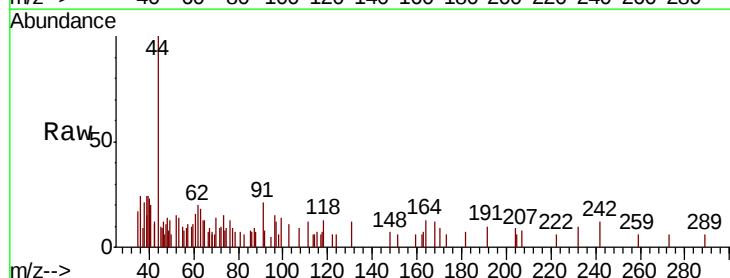
Acq: 21 Dec 2018 10:58

Tgt Ion: 117 Resp: 90

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.61

100

50

0

Time-->

