

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122618\
 Data File : VX006809.D
 Acq On : 26 Dec 2018 11:10
 Operator : JC/MD
 Sample : VX1226WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226WBL01

Quant Time: Dec 27 03:01:17 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	684276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1002044	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	908262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	450377	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	337670	45.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.58%	
35) Dibromofluoromethane	5.50	113	311384	49.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.28%	
50) Toluene-d8	8.71	98	1166269	48.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	11.13	95	420255	48.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.06%	

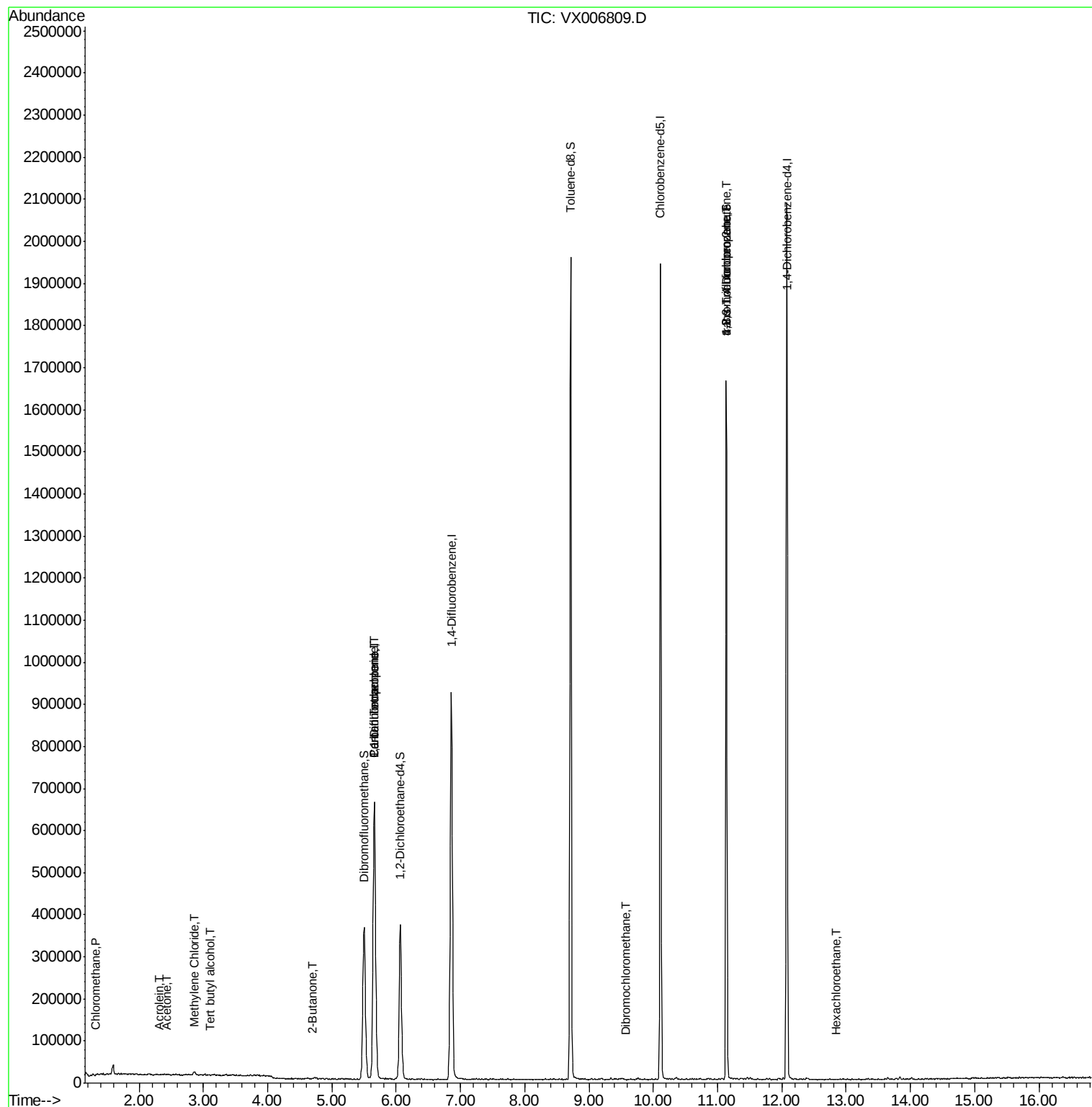
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1892	0.281	ug/l #	66
5) Bromomethane	1.65	94	1093	Below Cal		83
11) Tert butyl alcohol	3.10	59	433	0.263	ug/l #	59
13) Acrolein	2.31	56	249	0.224	ug/l #	13
16) Acetone	2.44	43	1504	0.444	ug/l	95
20) Methylene Chloride	2.86	84	5381	0.768	ug/l #	92
25) 2-Butanone	4.70	43	965	0.202	ug/l #	74
28) Bromochloromethane	5.05	49	394	Below Cal	#	36
36) 1,1-Dichloropropene	5.65	75	43613	5.255	ug/l #	49
38) Carbon Tetrachloride	5.66	117	61385	7.611	ug/l #	15
49) 1,4-Dioxane	7.77	88	501	Below Cal	#	45
60) Dibromochloromethane	9.57	129	124	2.341	ug/l	59
76) 1,2,3-Trichloropropane	11.13	75	200816	23.993	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	200816	71.068	ug/l #	10
90) Hexachloroethane	12.84	117	19	3.297	ug/l	85

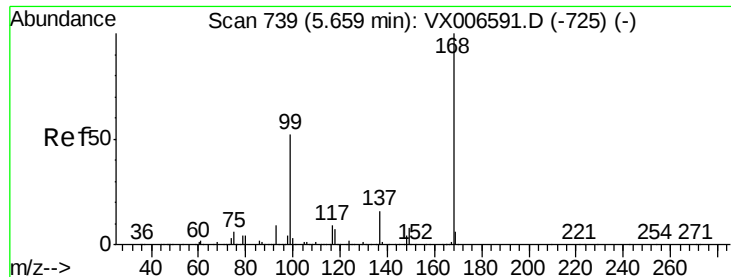
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX006809.D

Acq: 26 Dec 2018 11:10

Instrument :

MSVOA_X

ClientSampled :

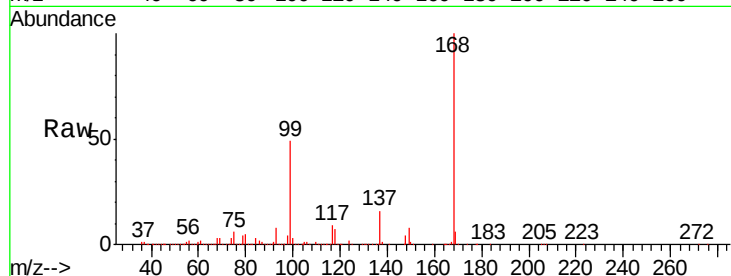
VX1226WBL01

Tgt Ion:168 Resp: 684276

Ion Ratio Lower Upper

168 100

99 48.7 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

100000

50000

0

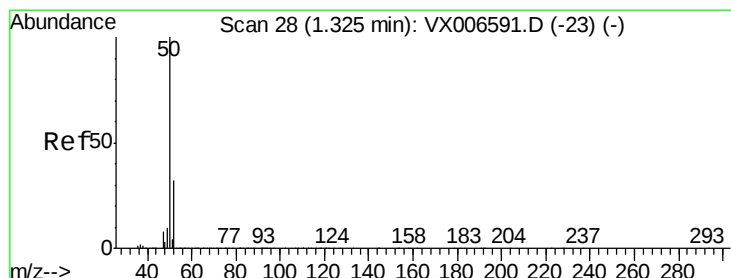
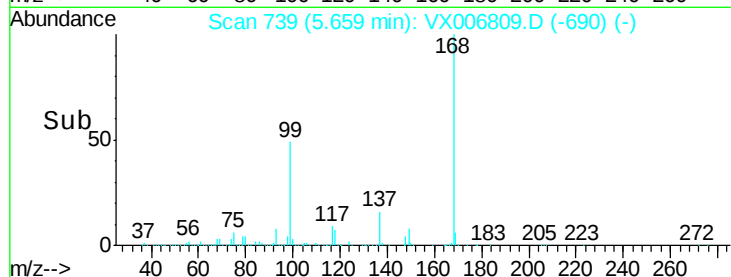
5.50

5.60

5.70

5.80

Time-->



#3

Chloromethane

Concen: 0.281 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006809.D

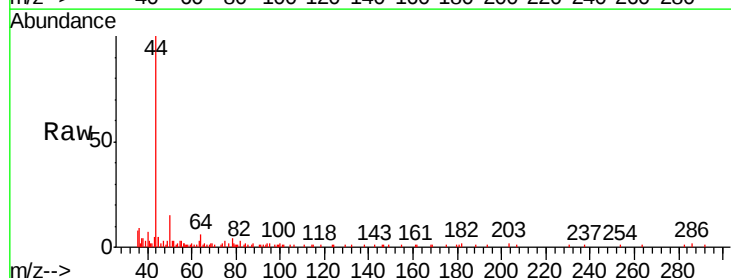
Acq: 26 Dec 2018 11:10

Tgt Ion: 50 Resp: 1892

Ion Ratio Lower Upper

50 100

52 12.8 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1200

1000

800

600

400

200

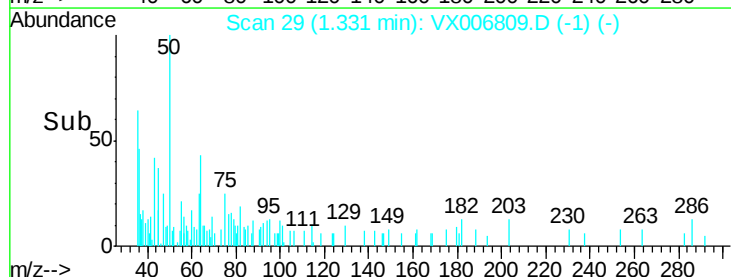
0

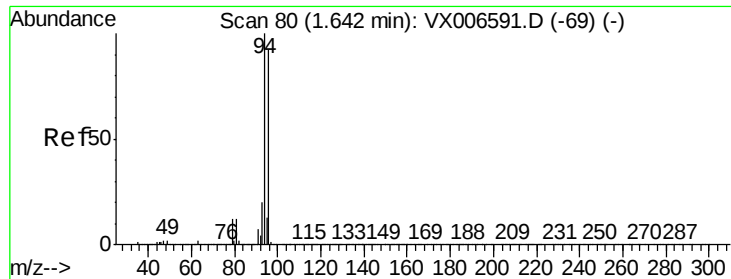
1.30

1.35

1.40

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX006809.D

Acq: 26 Dec 2018 11:10

Instrument :

MSVOA_X

ClientSampleId :

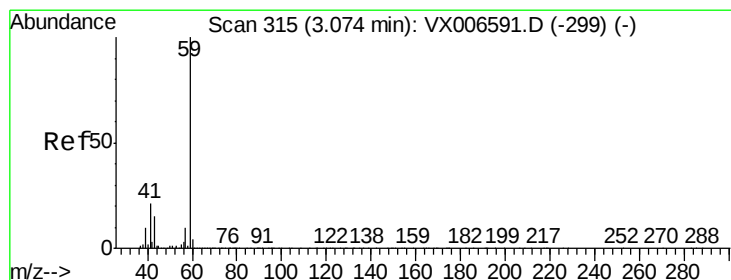
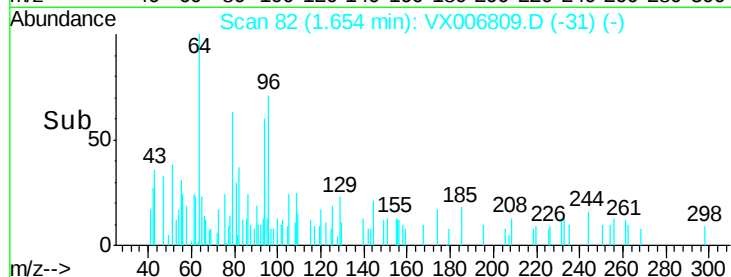
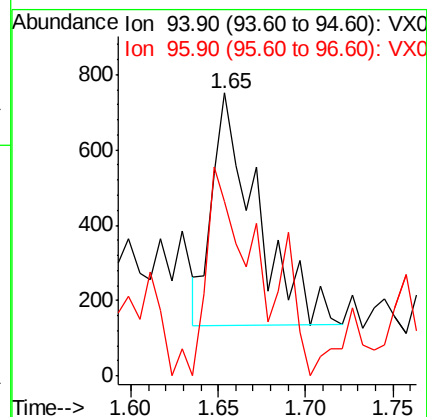
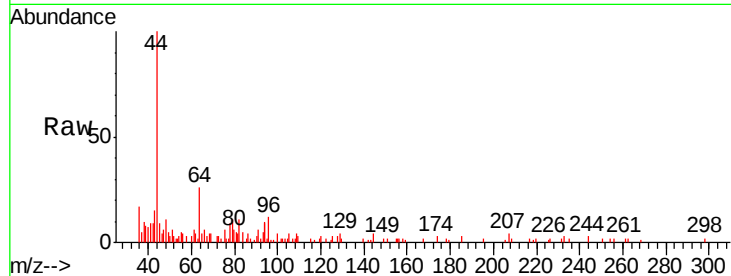
VX1226WBL01

Tgt Ion: 94 Resp: 1093

Ion Ratio Lower Upper

94 100

96 75.3 73.4 110.2



#11

Tert butyl alcohol

Concen: 0.263 ug/l

RT: 3.10 min Scan# 320

Delta R.T. 0.03 min

Lab File: VX006809.D

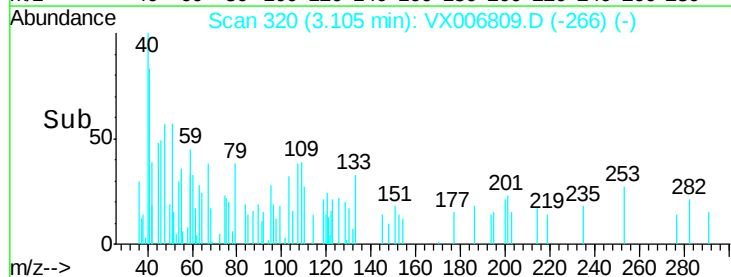
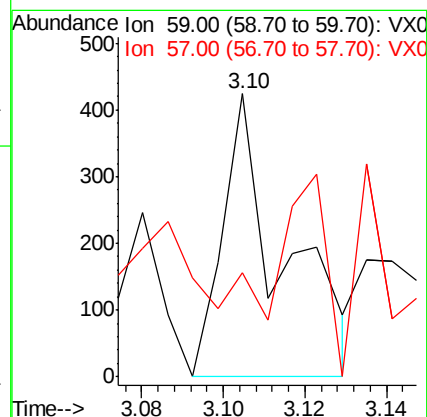
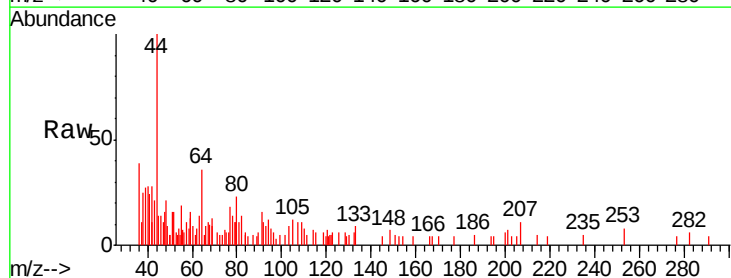
Acq: 26 Dec 2018 11:10

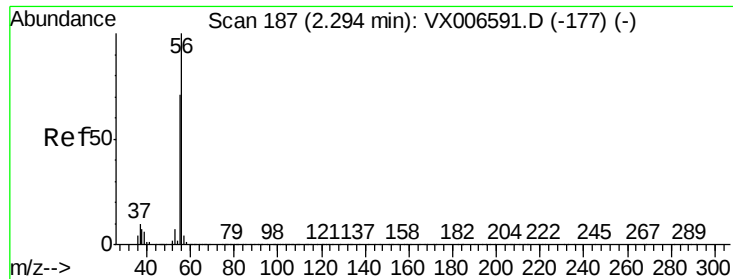
Tgt Ion: 59 Resp: 433

Ion Ratio Lower Upper

59 100

57 26.1 8.5 12.7#

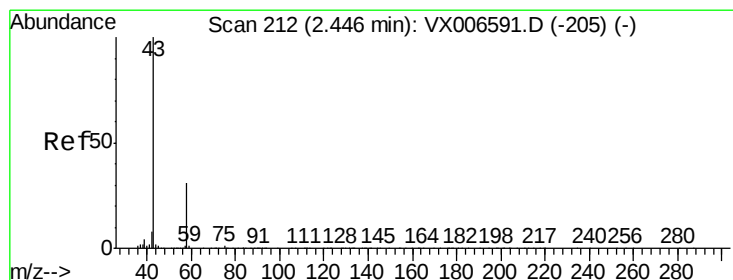
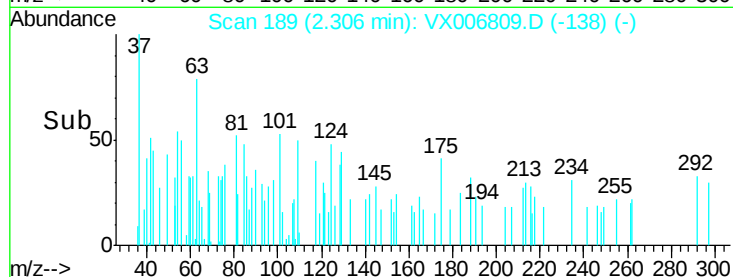
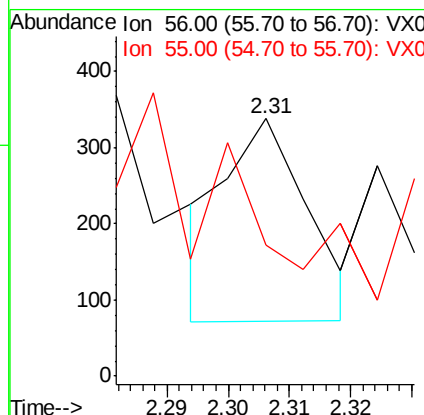
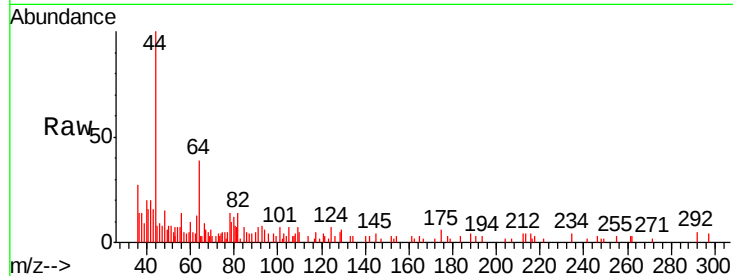




#13
Acrolein
Concen: 0.224 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX006809.D
Acq: 26 Dec 2018 11:10

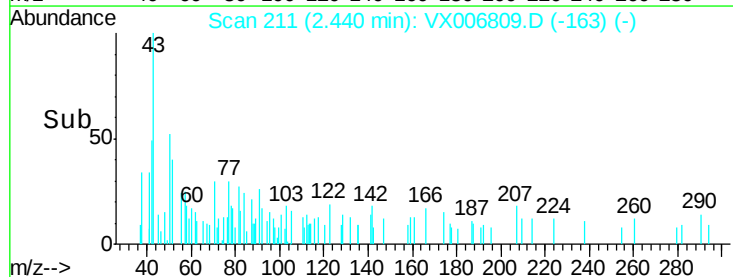
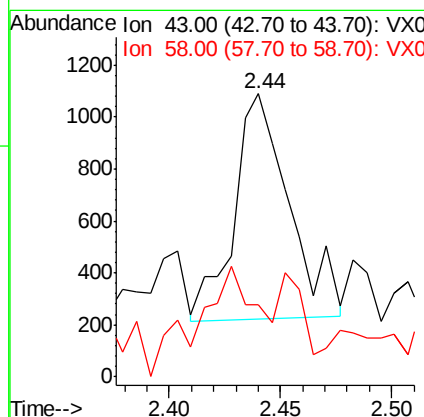
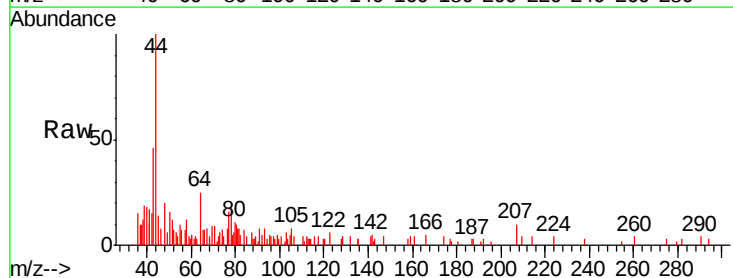
Instrument :
MSVOA_X
ClientSampleId :
VX1226WBL01

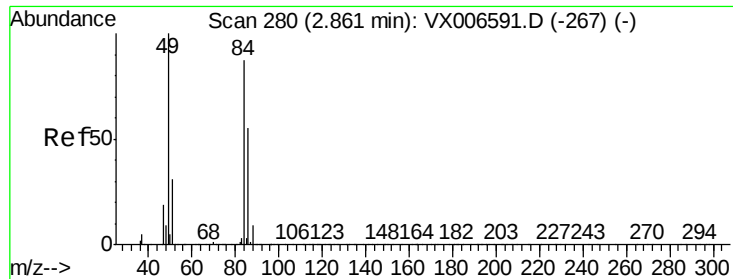
Tgt Ion: 56 Resp: 249
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.4#



#16
Acetone
Concen: 0.444 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX006809.D
Acq: 26 Dec 2018 11:10

Tgt Ion: 43 Resp: 1504
Ion Ratio Lower Upper
43 100
58 28.7 25.0 37.6





#20

Methylene Chloride

Concen: 0.768 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX006809.D

Acq: 26 Dec 2018 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBL01

Tgt Ion: 84 Resp: 5381

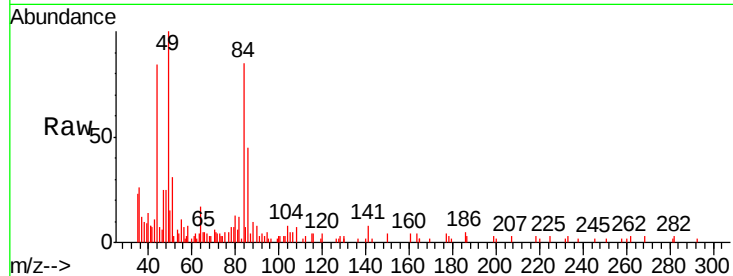
Ion Ratio Lower Upper

84 100

49 113.6 91.8 137.6

51 26.1 28.5 42.7#

86 50.4 50.2 75.2

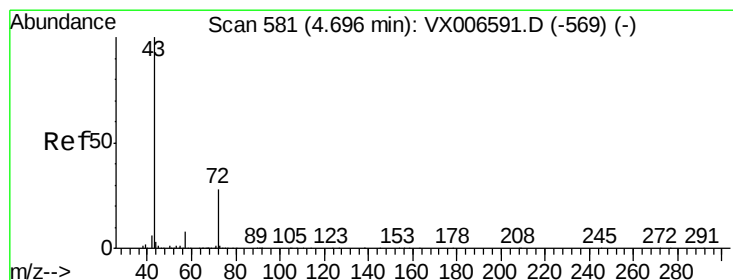
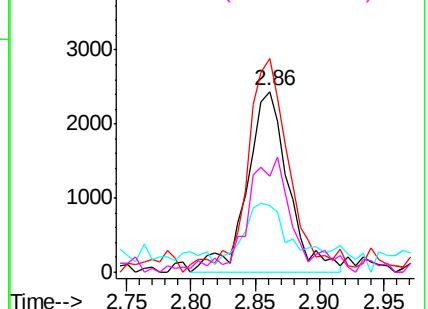
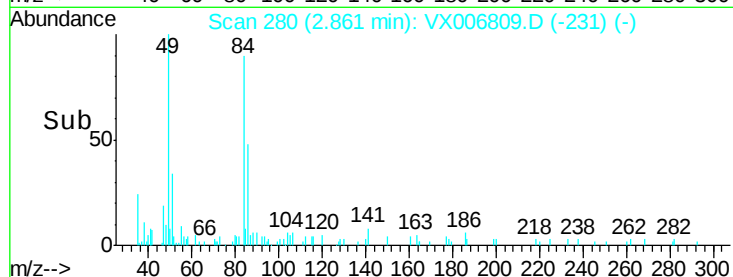


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 0.202 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX006809.D

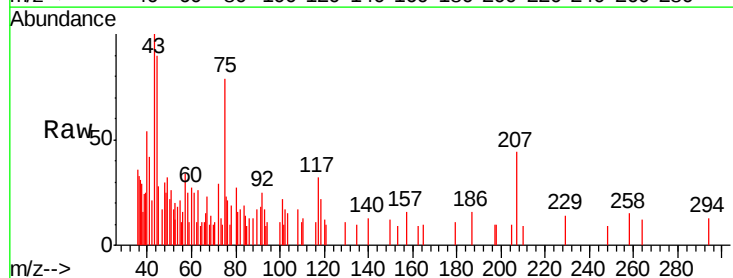
Acq: 26 Dec 2018 11:10

Tgt Ion: 43 Resp: 965

Ion Ratio Lower Upper

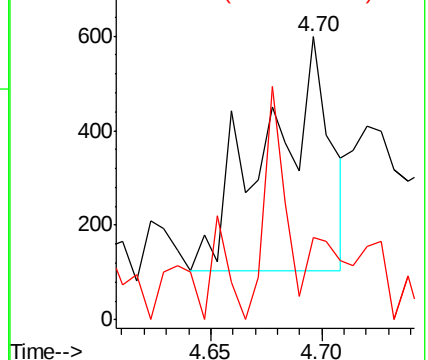
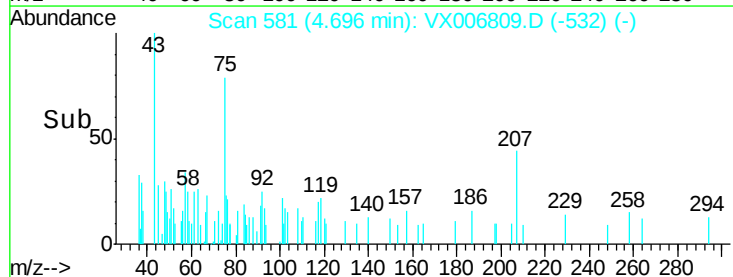
43 100

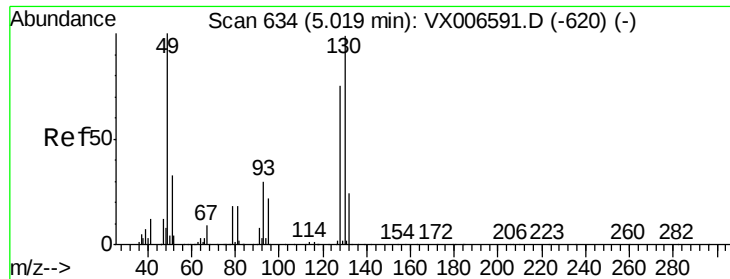
72 14.6 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.05 min Scan# 639

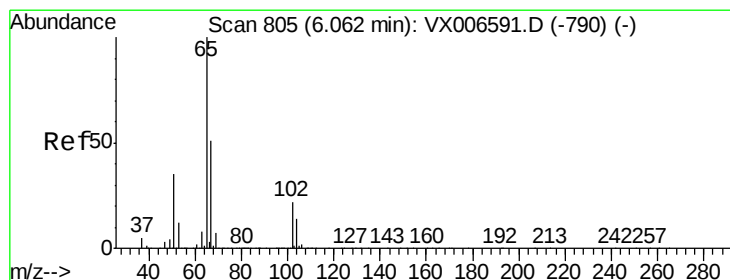
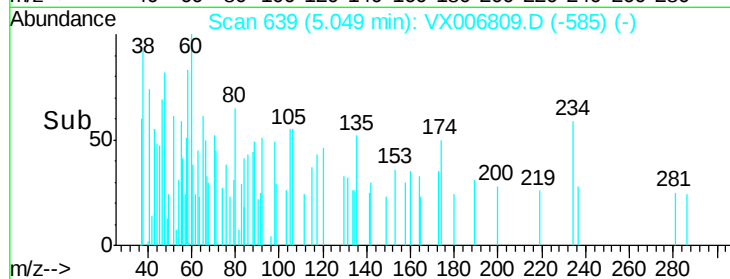
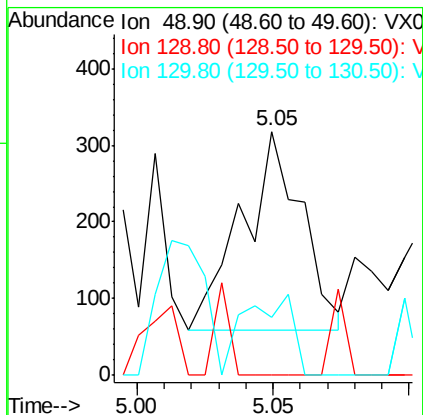
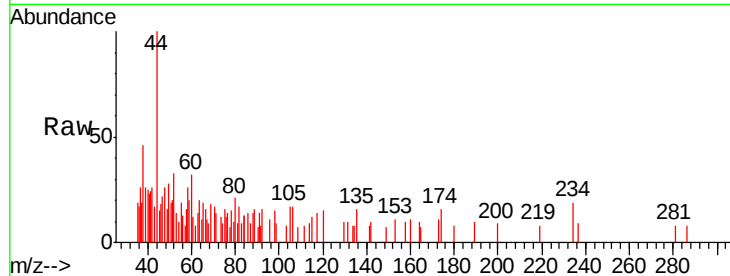
Delta R.T. 0.03 min

Lab File: VX006809.D

Acq: 26 Dec 2018 11:10

Instrument :
MSVOA_X
ClientSampleId :
VX1226WBL01

Tgt Ion: 49 Resp: 394
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.4
130 32.5 77.7 116.5#



#33

1,2-Dichloroethane-d4

Concen: 45.787 ug/l

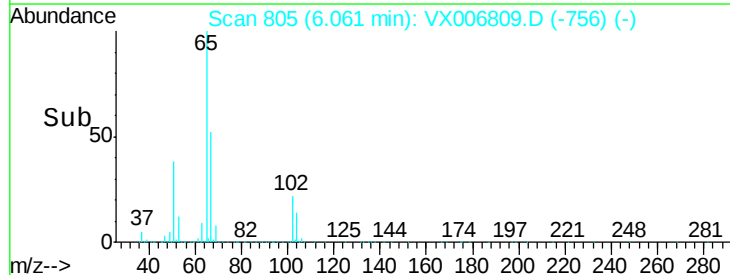
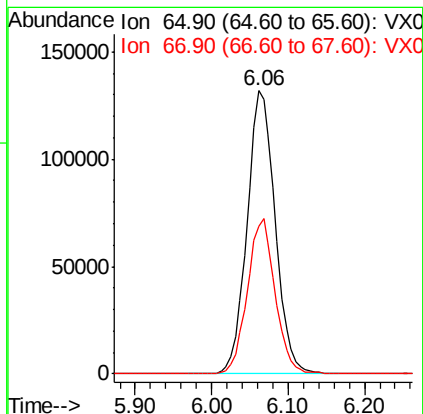
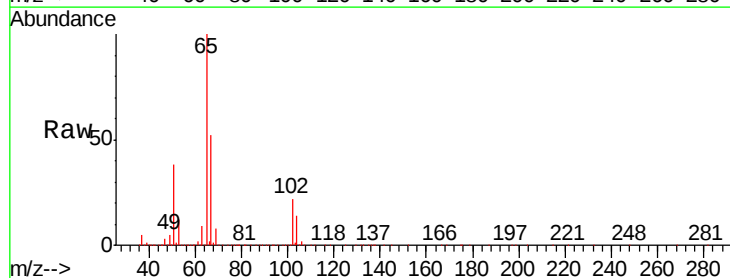
RT: 6.06 min Scan# 805

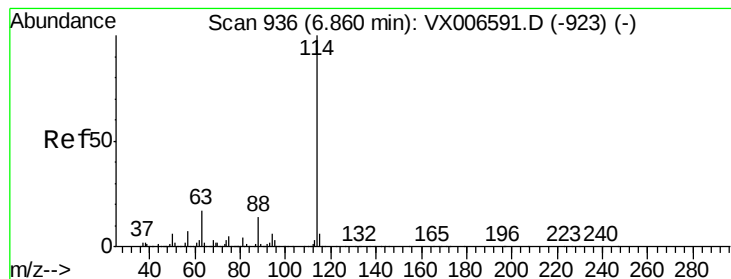
Delta R.T. -0.00 min

Lab File: VX006809.D

Acq: 26 Dec 2018 11:10

Tgt Ion: 65 Resp: 337670
Ion Ratio Lower Upper
65 100
67 54.0 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006809.D

Acq: 26 Dec 2018 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBL01

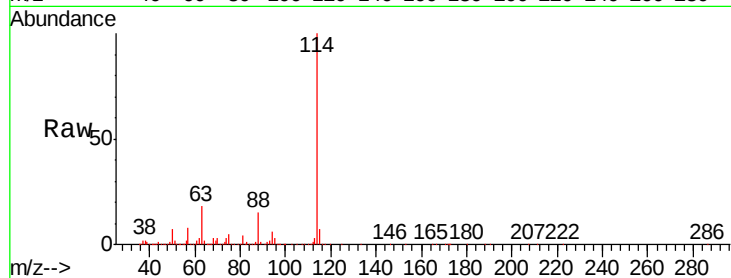
Tgt Ion:114 Resp: 1002044

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.8

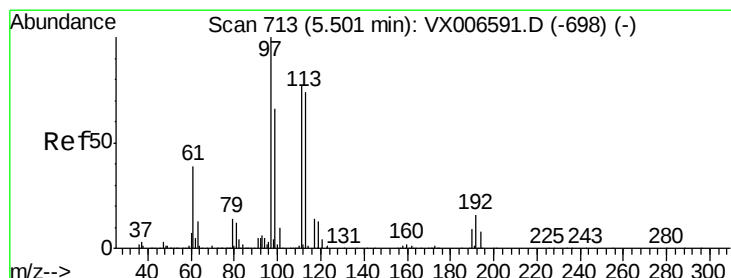
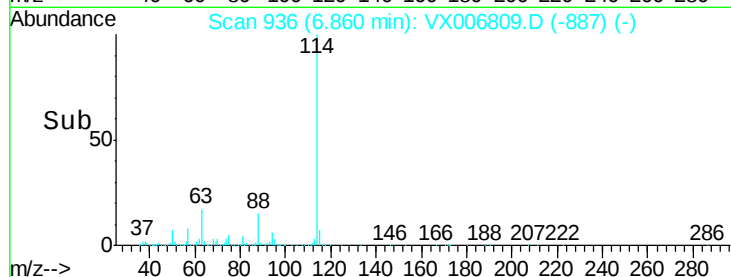
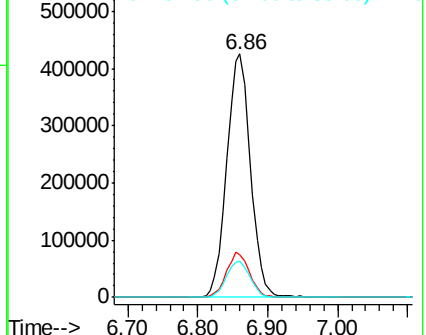
88 14.9 0.0 28.8



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



#35

Dibromofluoromethane

Concen: 49.139 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006809.D

Acq: 26 Dec 2018 11:10

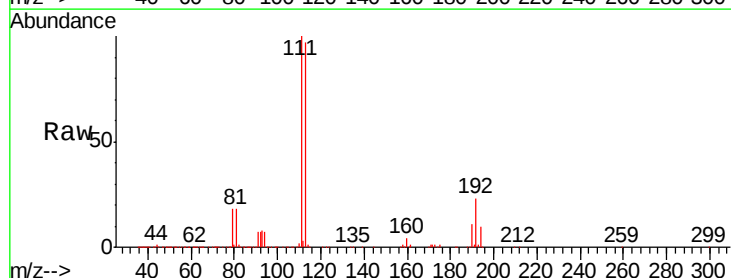
Tgt Ion:113 Resp: 311384

Ion Ratio Lower Upper

113 100

111 100.3 81.6 122.4

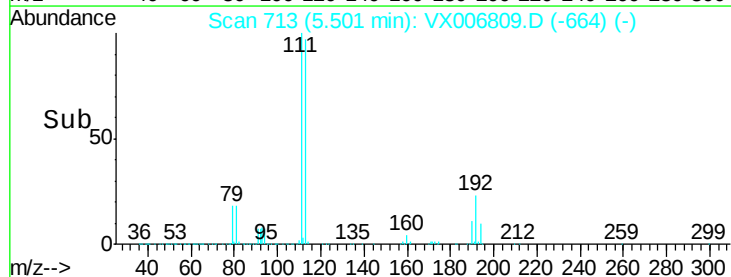
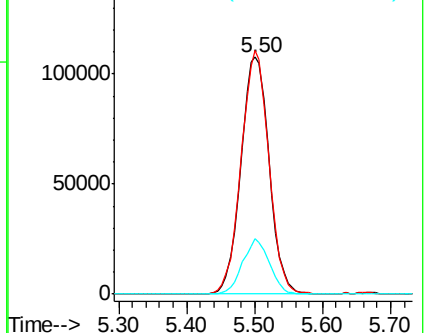
192 22.2 16.7 25.1

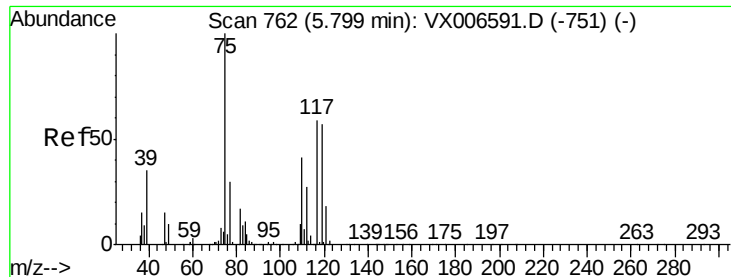


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

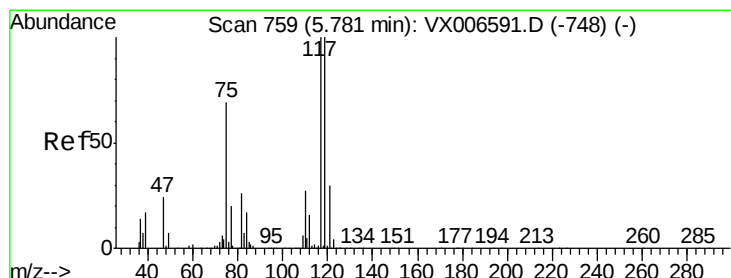
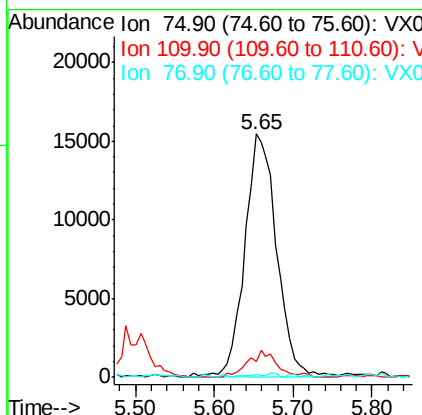
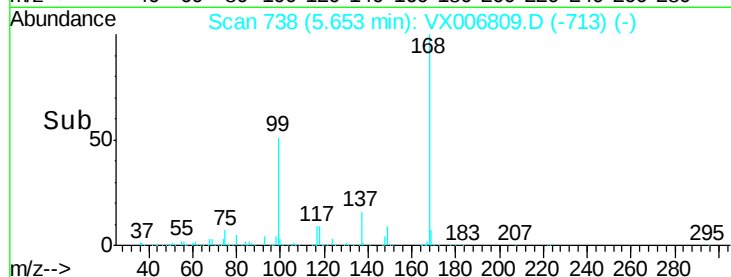
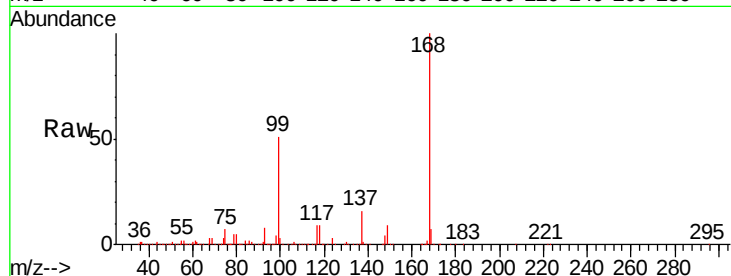




#36
 1,1-Dichloropropene
 Concen: 5.255 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX006809.D
 Acq: 26 Dec 2018 11:10

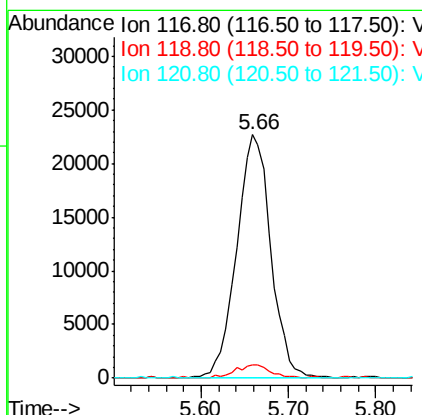
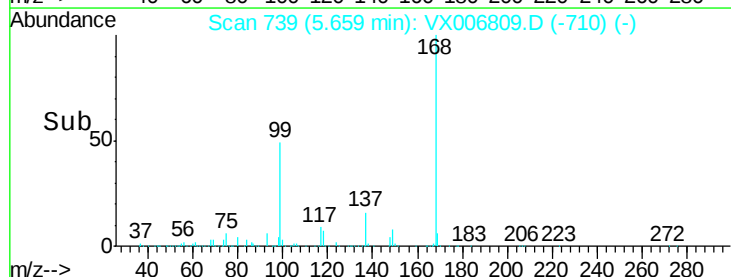
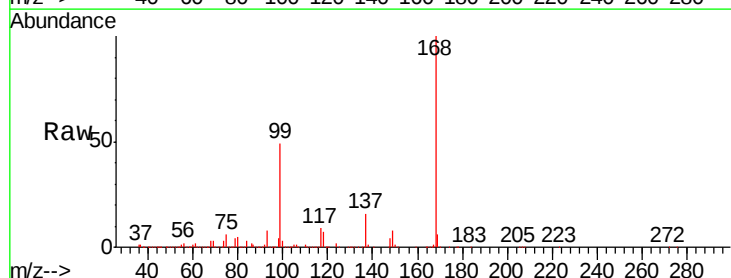
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226WBL01

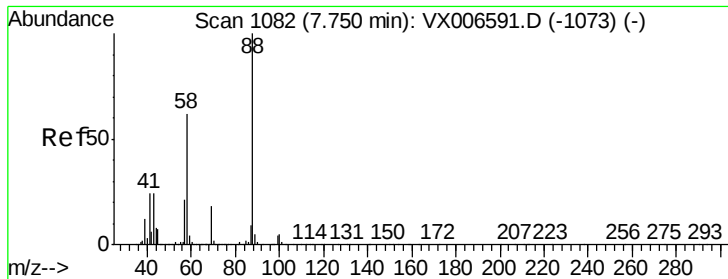
Tgt Ion: 75 Resp: 43613
 Ion Ratio Lower Upper
 75 100
 110 10.4 20.2 60.5#
 77 0.5 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 7.611 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX006809.D
 Acq: 26 Dec 2018 11:10

Tgt Ion: 117 Resp: 61385
 Ion Ratio Lower Upper
 117 100
 119 5.5 79.4 119.2#
 121 0.4 24.0 36.0#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.77 min Scan# 1086

Delta R.T. 0.02 min

Lab File: VX006809.D

Acq: 26 Dec 2018 11:10

Instrument :

MSVOA_X

ClientSampled :

VX1226WBL01

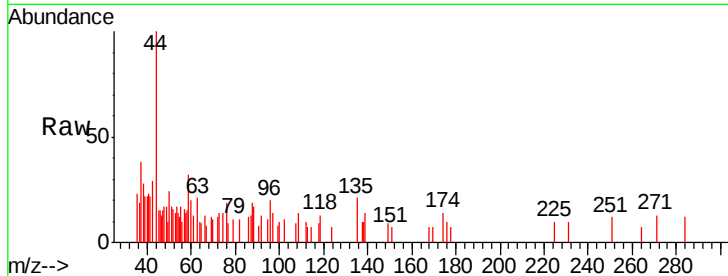
Tgt Ion: 88 Resp: 501

Ion Ratio Lower Upper

88 100

43 86.6 22.2 33.4#

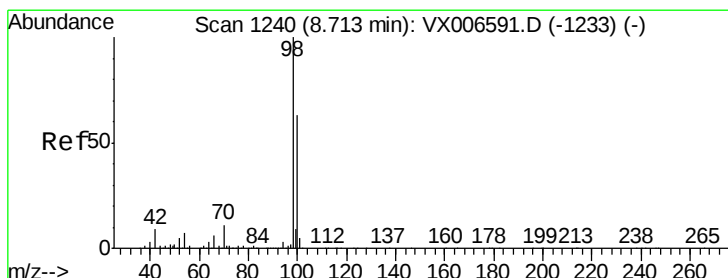
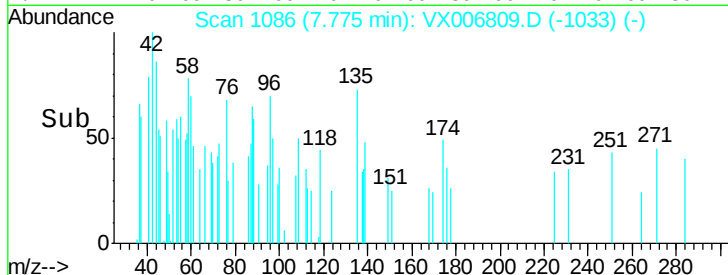
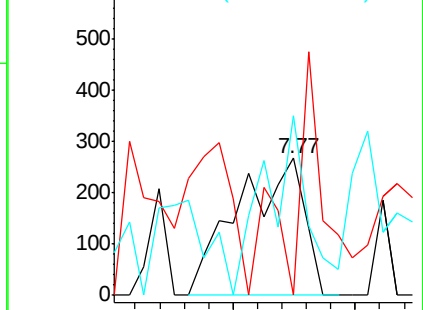
58 40.1 51.0 76.4#



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: 48.819 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006809.D

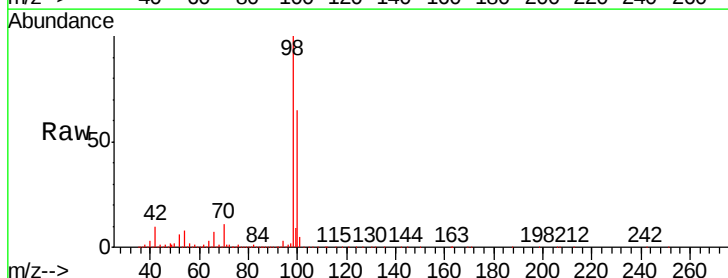
Acq: 26 Dec 2018 11:10

Tgt Ion: 98 Resp: 1166269

Ion Ratio Lower Upper

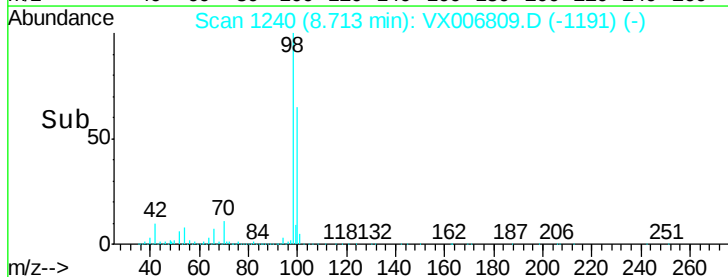
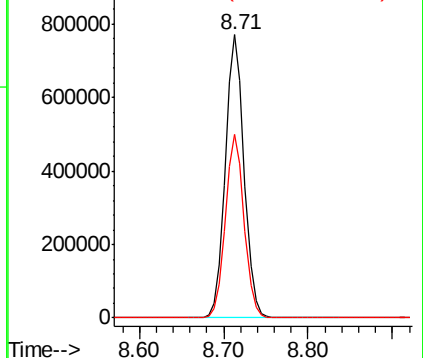
98 100

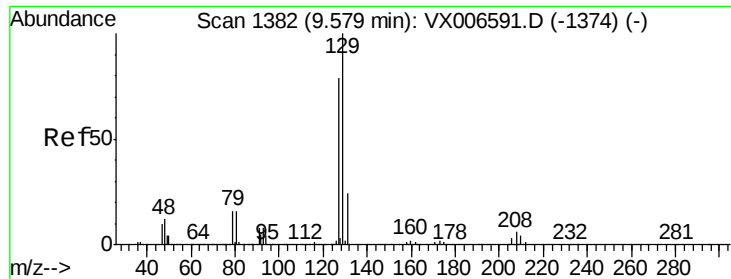
100 64.5 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 2.341 ug/l

RT: 9.57 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VX006809.D

Acq: 26 Dec 2018 11:10

Instrument :

MSVOA_X

ClientSampleId :

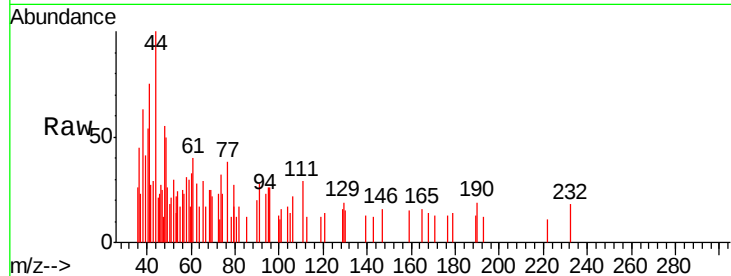
VX1226WBL01

Tgt Ion:129 Resp: 124

Ion Ratio Lower Upper

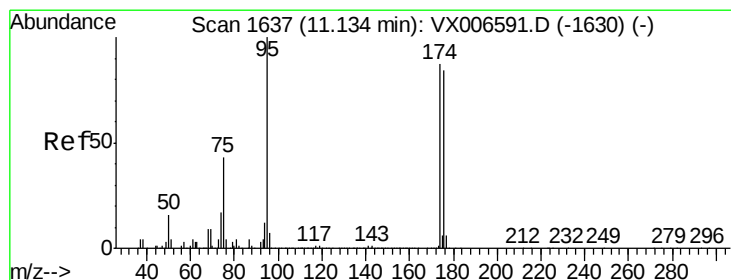
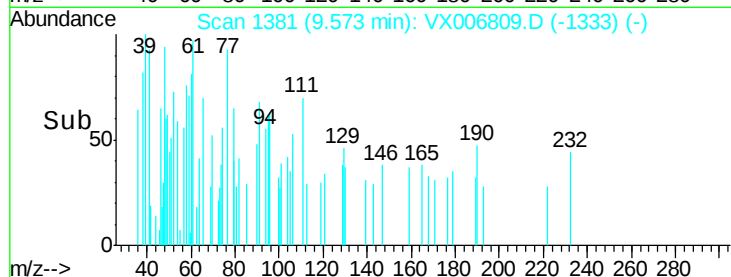
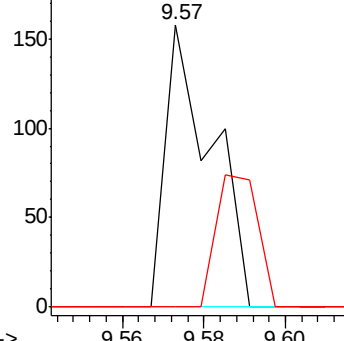
129 100

127 42.7 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 48.032 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006809.D

Acq: 26 Dec 2018 11:10

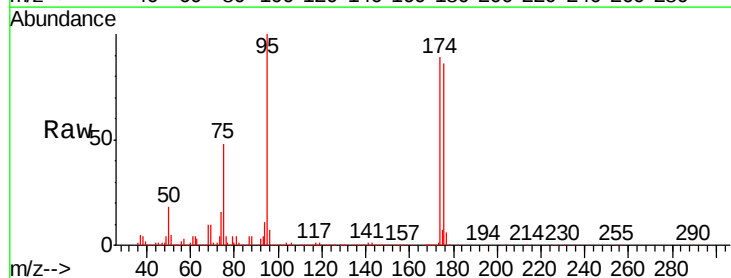
Tgt Ion: 95 Resp: 420255

Ion Ratio Lower Upper

95 100

174 93.3 0.0 182.2

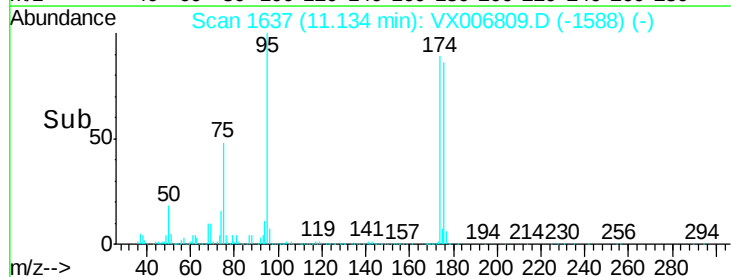
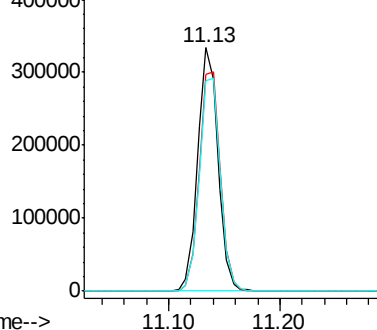
176 90.6 0.0 178.8

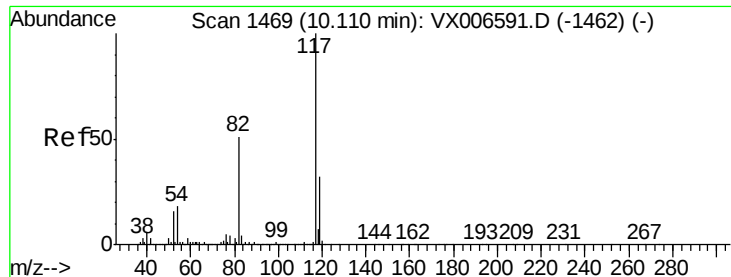


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

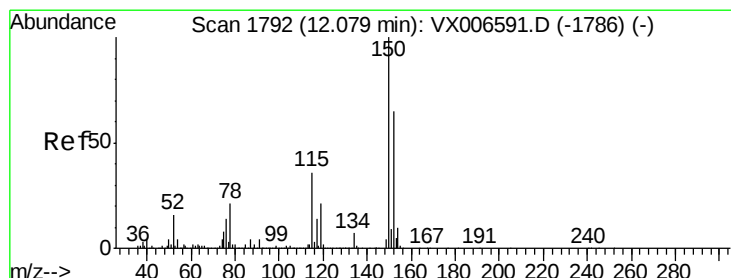
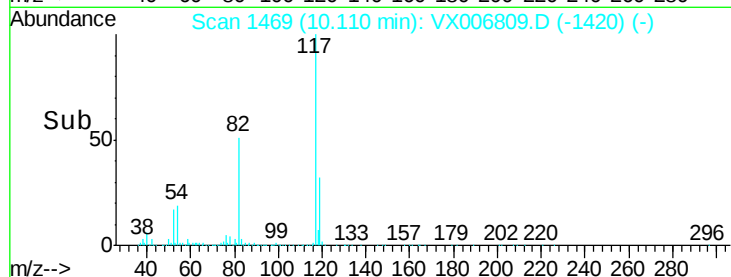
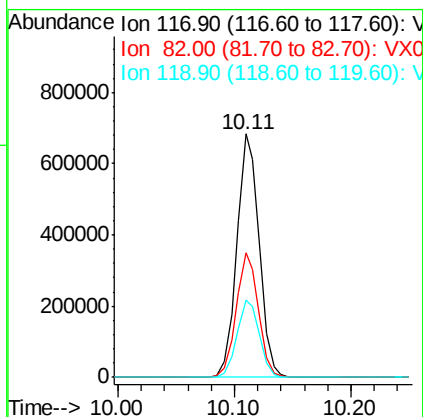
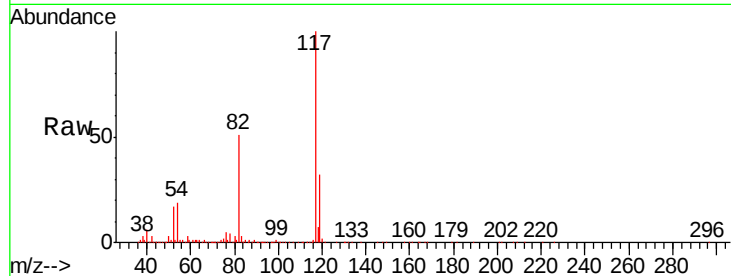




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006809.D
Acq: 26 Dec 2018 11:10

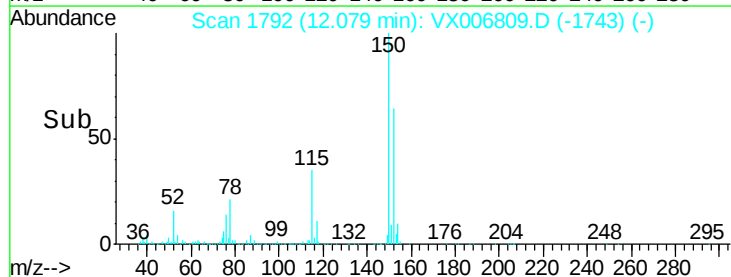
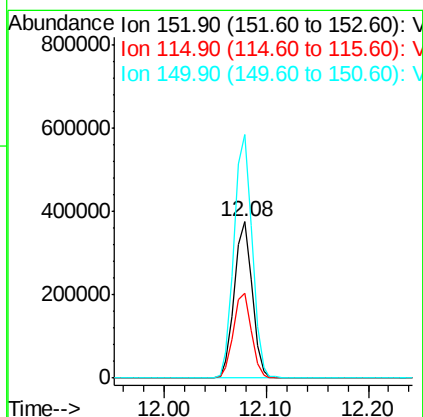
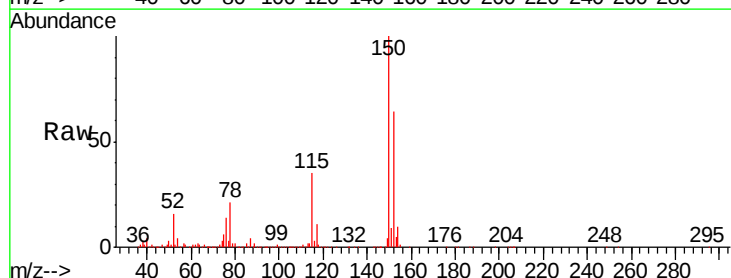
Instrument :
MSVOA_X
ClientSampleId :
VX1226WBL01

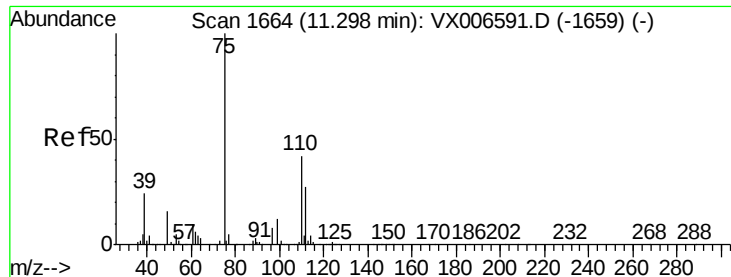
Tgt Ion:117 Resp: 908262
Ion Ratio Lower Upper
117 100
82 51.4 41.0 61.6
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006809.D
Acq: 26 Dec 2018 11:10

Tgt Ion:152 Resp: 450377
Ion Ratio Lower Upper
152 100
115 55.1 39.1 117.2
150 157.4 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 23.993 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006809.D

Acq: 26 Dec 2018 11:10

Instrument :

MSVOA_X

ClientSampleId :

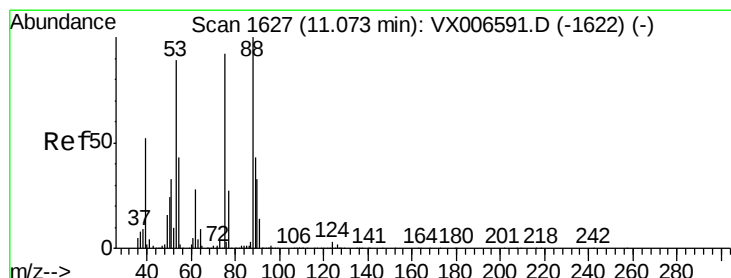
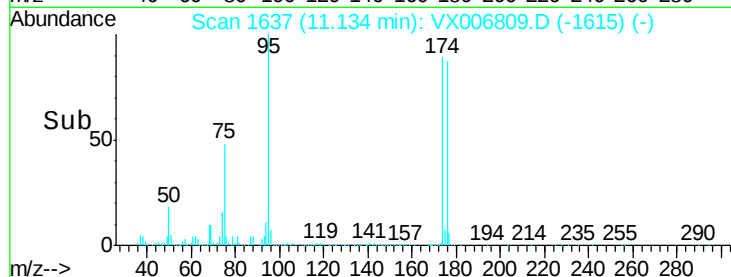
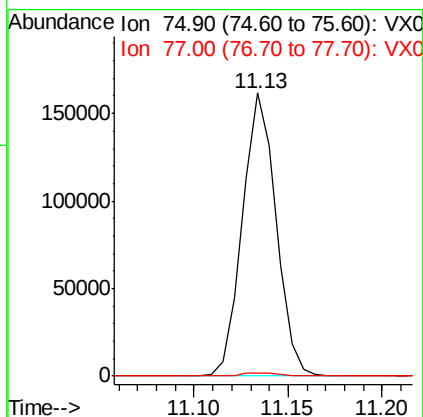
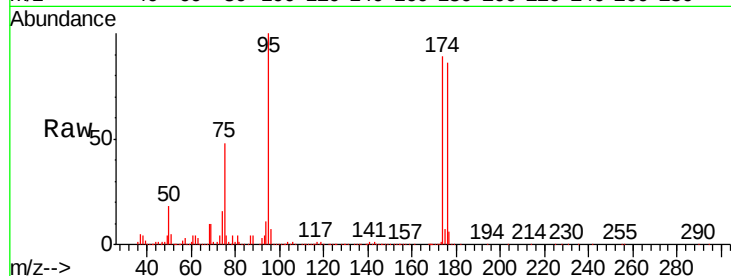
VX1226WBL01

Tgt Ion: 75 Resp: 200816

Ion Ratio Lower Upper

75 100

77 1.4 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.068 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006809.D

Acq: 26 Dec 2018 11:10

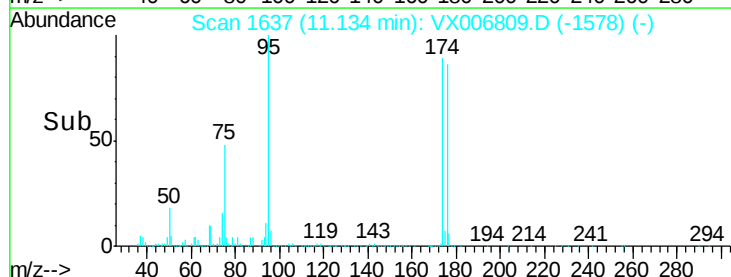
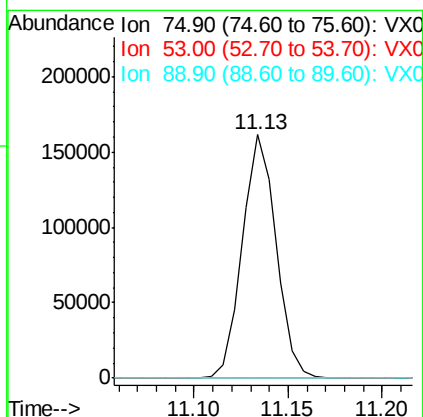
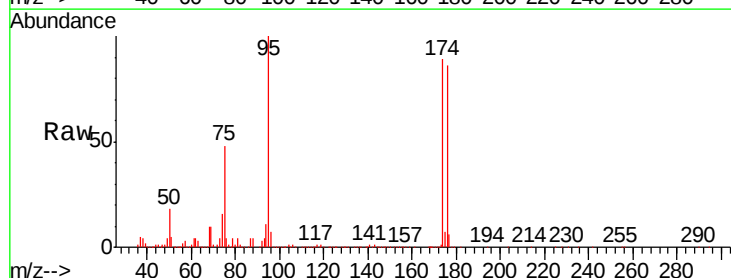
Tgt Ion: 75 Resp: 200816

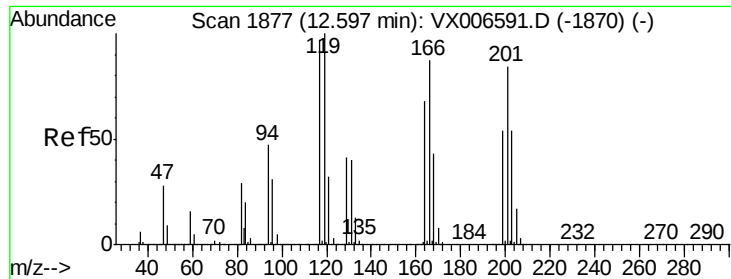
Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

89 0.1 38.0 57.0#





#90

Hexachloroethane

Concen: 3.297 ug/l

RT: 12.84 min Scan# 1917

Delta R.T. 0.24 min

Lab File: VX006809.D

Acq: 26 Dec 2018 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX1226WBL01

Tgt Ion:117 Resp: 19

Ion Ratio Lower Upper

117 100

201 100.0 42.9 128.7

