

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122818\
 Data File : VX006849.D
 Acq On : 28 Dec 2018 09:54
 Operator : JC/MD
 Sample : VX1228WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228WBL01

Quant Time: Dec 28 22:55:53 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	742918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1087453	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	983452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	486681	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	365219	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	
35) Dibromofluoromethane	5.50	113	326138	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	
50) Toluene-d8	8.71	98	1268581	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
62) 4-Bromofluorobenzene	11.13	95	455829	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	

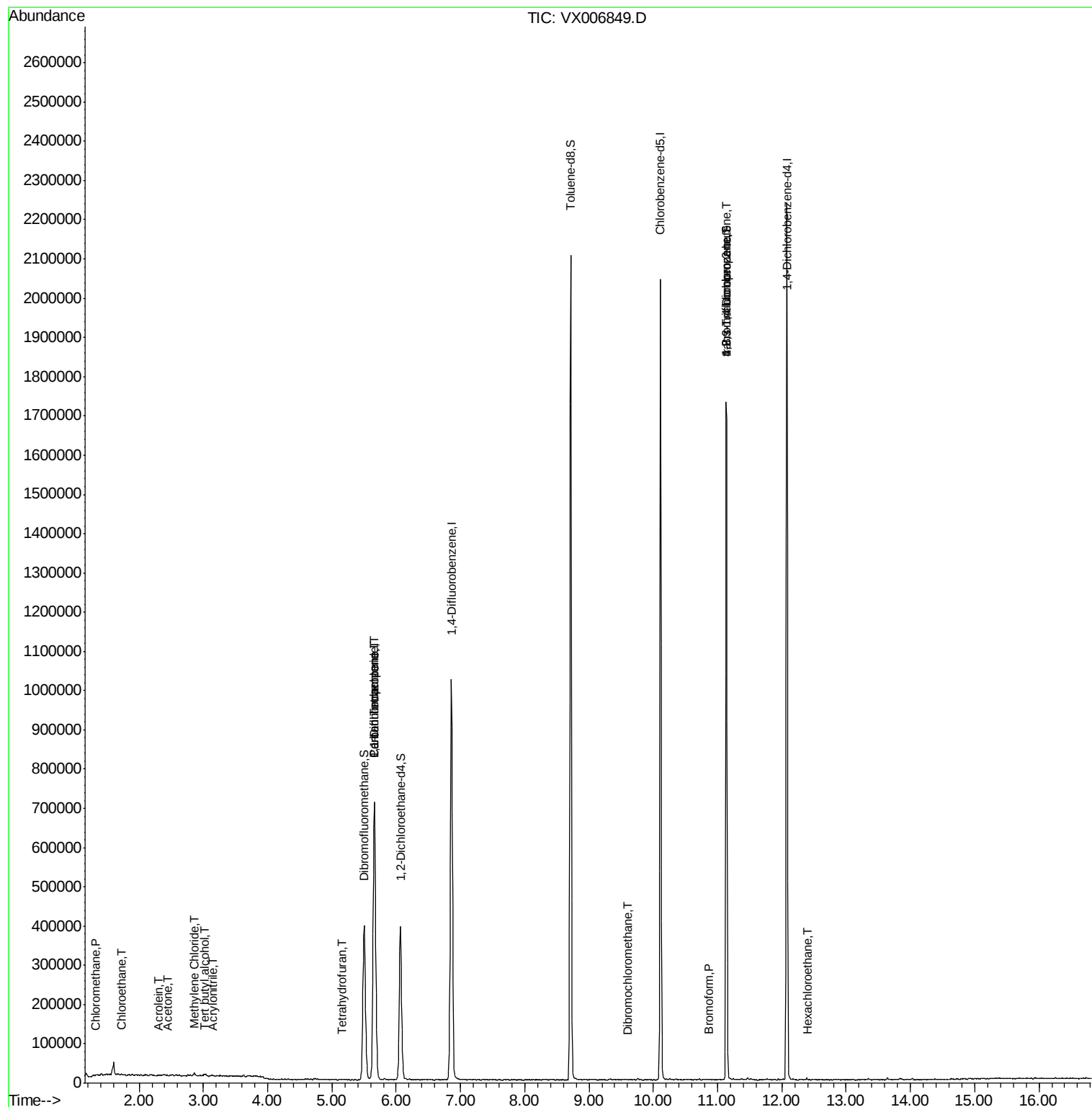
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1554	0.212	ug/l #	69
5) Bromomethane	1.65	94	1869	Below Cal	#	73
6) Chloroethane	1.73	64	1284	0.242	ug/l #	42
11) Tert butyl alcohol	3.01	59	2045	1.144	ug/l #	65
13) Acrolein	2.30	56	524	0.435	ug/l #	13
15) Acrylonitrile	3.14	53	1697	0.428	ug/l	93
16) Acetone	2.45	43	1317	0.358	ug/l #	50
20) Methylene Chloride	2.86	84	3572	0.470	ug/l #	78
28) Bromochloromethane	5.02	49	413	Below Cal	#	49
29) Tetrahydrofuran	5.17	42	697	0.205	ug/l	93
36) 1,1-Dichloropropene	5.66	75	45879	5.094	ug/l #	48
38) Carbon Tetrachloride	5.66	117	66190	7.562	ug/l #	15
49) 1,4-Dioxane	7.75	88	60	Below Cal	#	83
60) Dibromochloromethane	9.60	129	142	2.342	ug/l	61
71) Bromoform	10.86	173	198	4.491	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	211584	23.393	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	211584	69.399	ug/l #	10
90) Hexachloroethane	12.40	117	77	3.309	ug/l	96

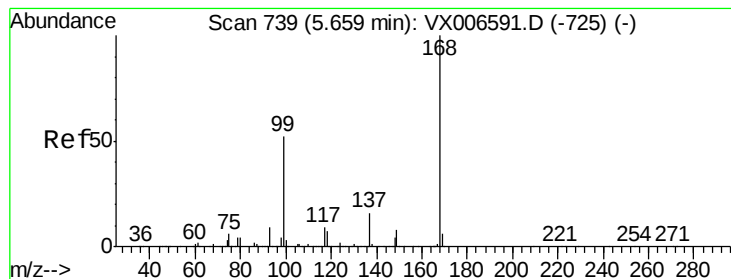
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006849.D

Acq: 28 Dec 2018 09:54

Instrument :

MSVOA_X

ClientSampleId :

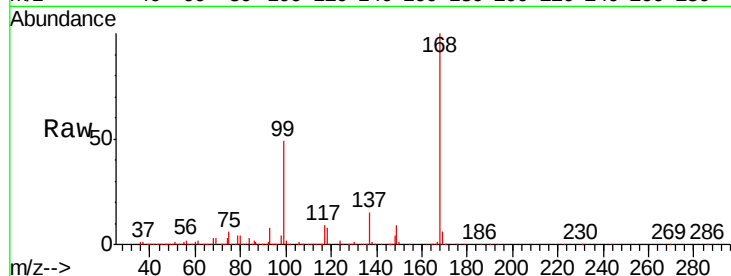
VX1228WBL01

Tgt Ion:168 Resp: 742918

Ion Ratio Lower Upper

168 100

99 49.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

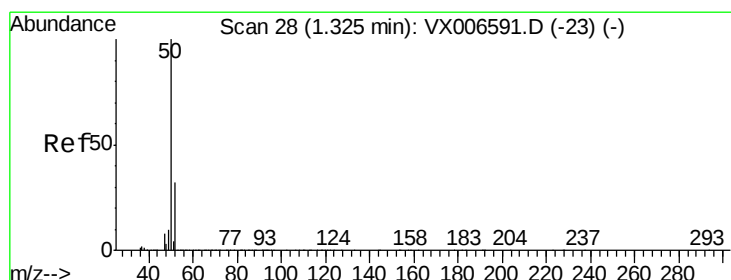
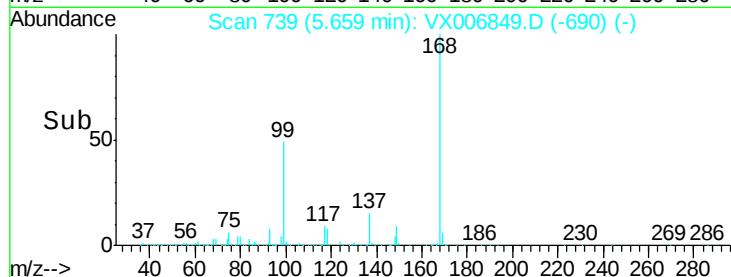
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.212 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006849.D

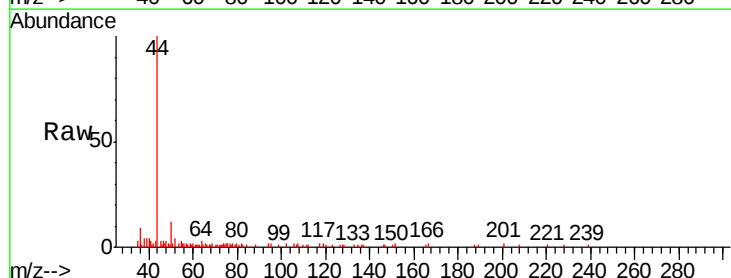
Acq: 28 Dec 2018 09:54

Tgt Ion: 50 Resp: 1554

Ion Ratio Lower Upper

50 100

52 14.3 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

1000

800

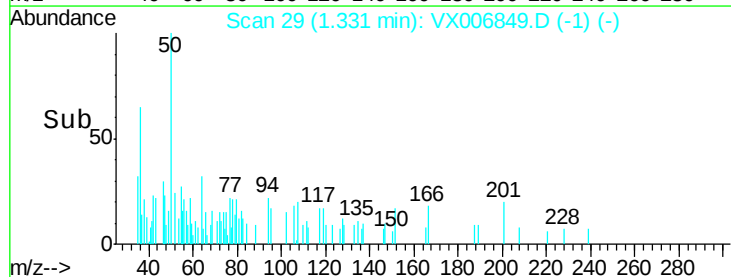
600

400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006849.D

Acq: 28 Dec 2018 09:54

Instrument :

MSVOA_X

ClientSampleId :

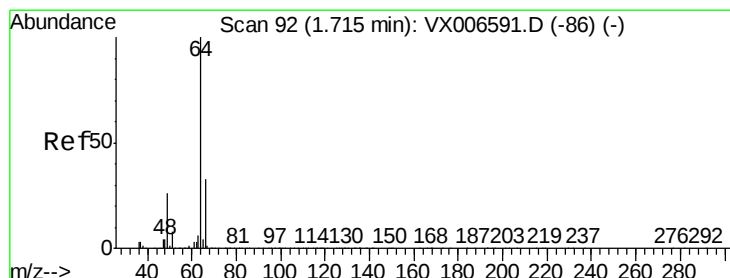
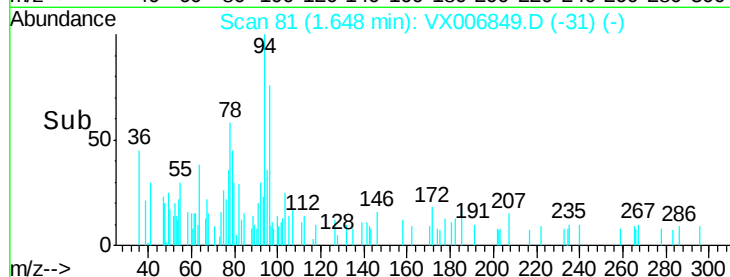
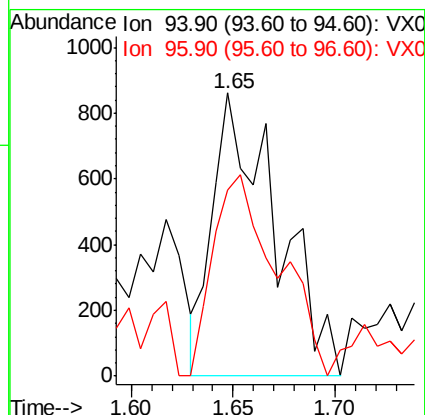
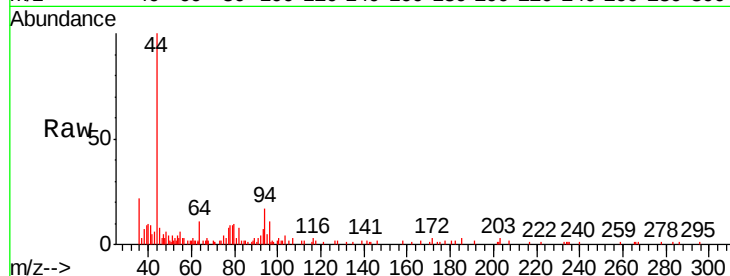
VX1228WBL01

Tgt Ion: 94 Resp: 1869

Ion Ratio Lower Upper

94 100

96 65.6 73.4 110.2#



#6

Chloroethane

Concen: 0.242 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX006849.D

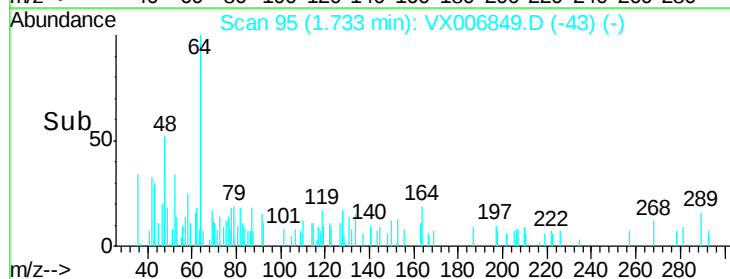
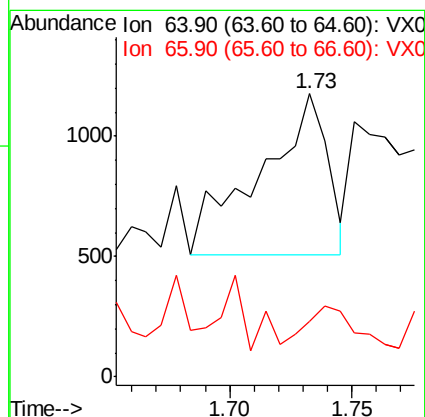
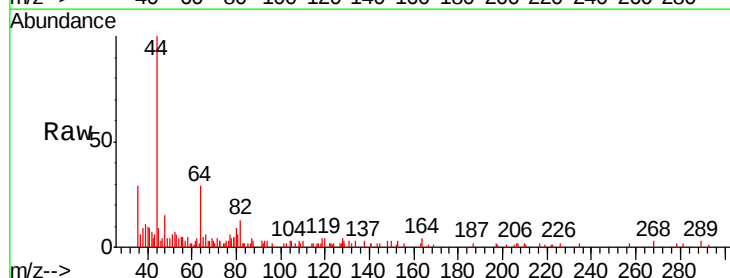
Acq: 28 Dec 2018 09:54

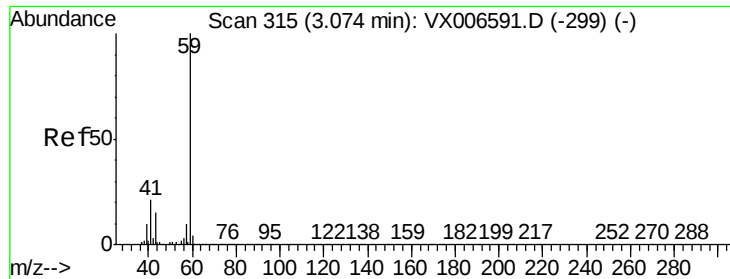
Tgt Ion: 64 Resp: 1284

Ion Ratio Lower Upper

64 100

66 0.0 26.4 39.6#

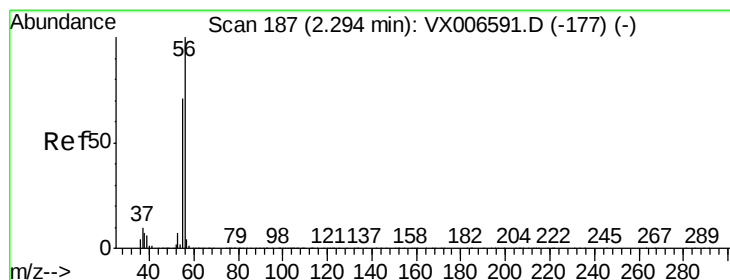
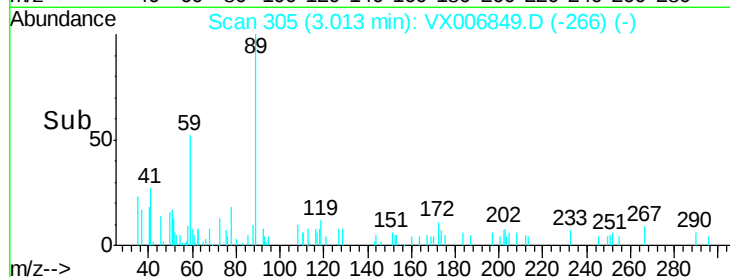
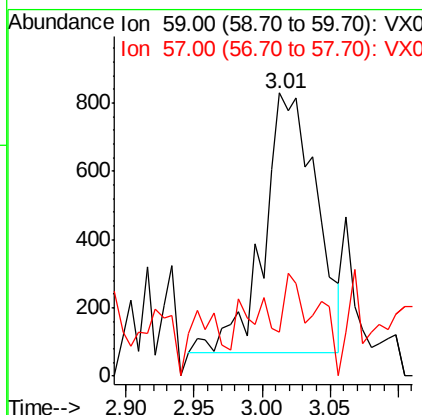
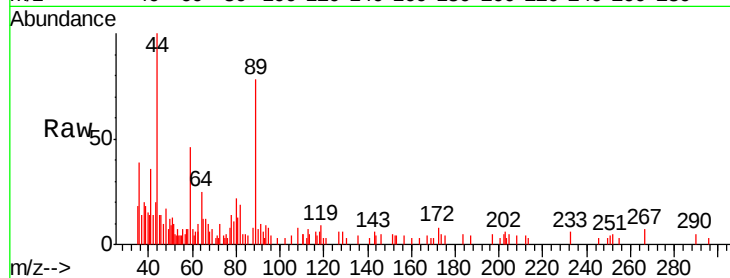




#11
Tert butyl alcohol
Concen: 1.144 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.06 min
Lab File: VX006849.D
Acq: 28 Dec 2018 09:54

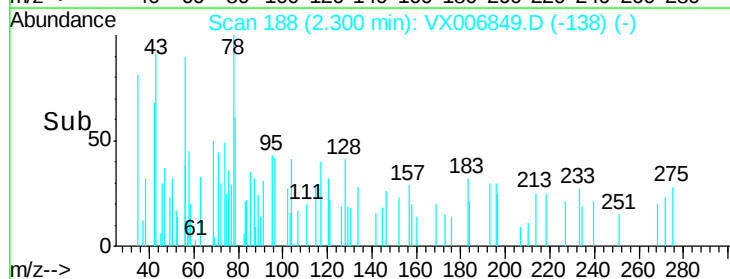
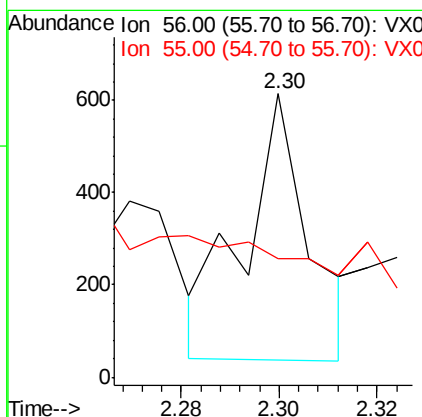
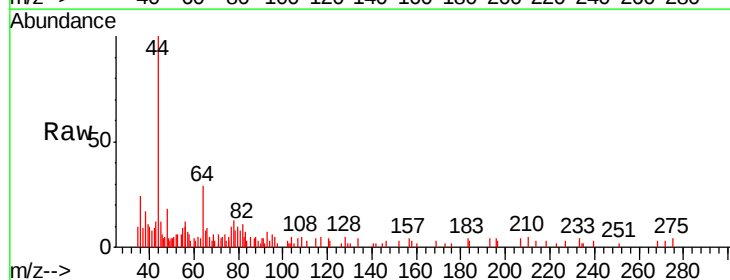
Instrument :
MSVOA_X
ClientSampleId :
VX1228WBL01

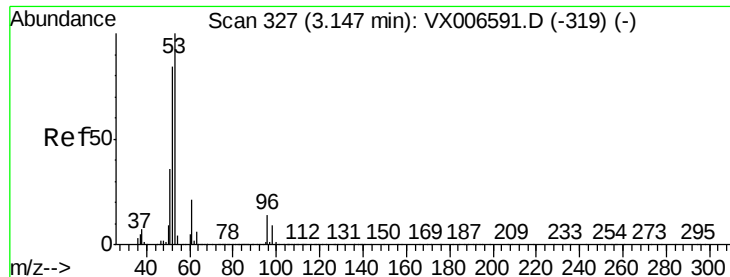
Tgt Ion: 59 Resp: 2045
Ion Ratio Lower Upper
59 100
57 23.7 8.5 12.7#



#13
Acrolein
Concen: 0.435 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX006849.D
Acq: 28 Dec 2018 09:54

Tgt Ion: 56 Resp: 524
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.4#





#15

Acrylonitrile

Concen: 0.428 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX006849.D

Acq: 28 Dec 2018 09:54

Instrument :

MSVOA_X

ClientSampleId :

VX1228WBL01

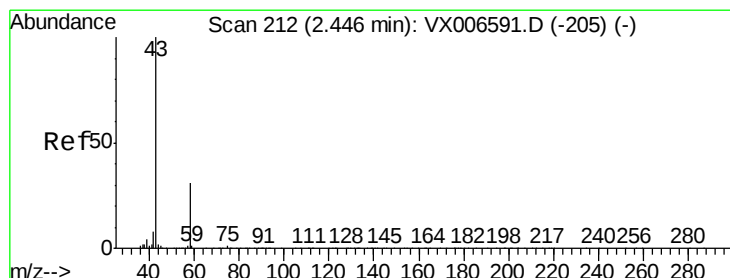
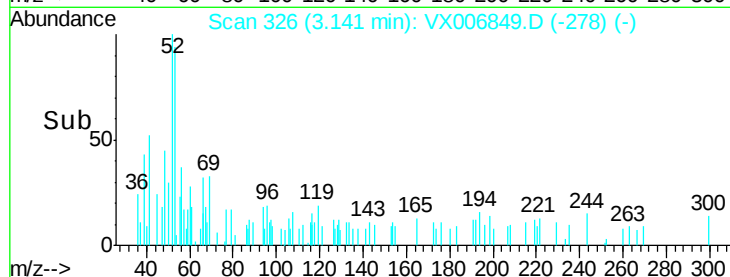
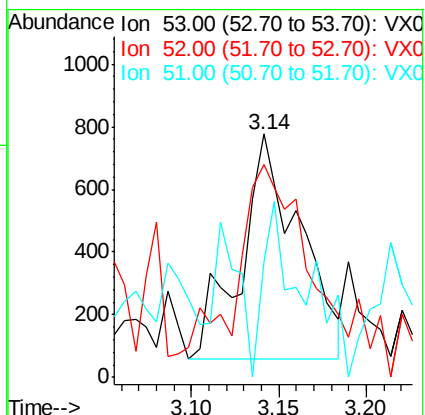
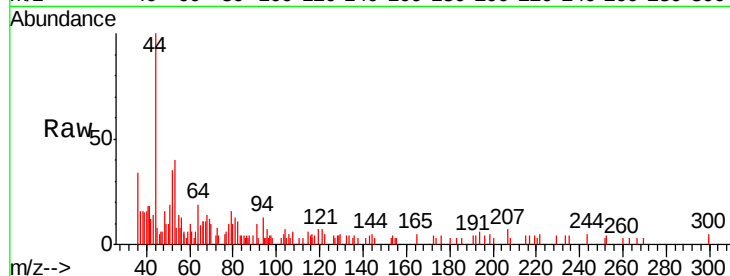
Tgt Ion: 53 Resp: 1697

Ion Ratio Lower Upper

53 100

52 91.1 66.0 99.0

51 37.2 28.6 42.8



#16

Acetone

Concen: 0.358 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006849.D

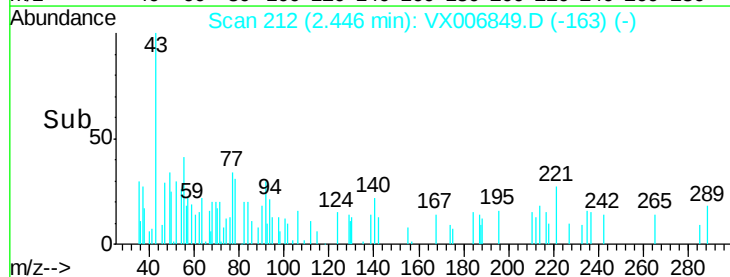
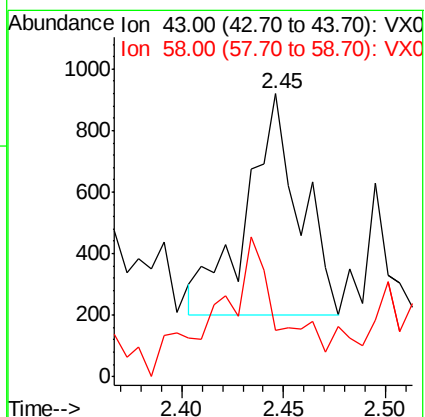
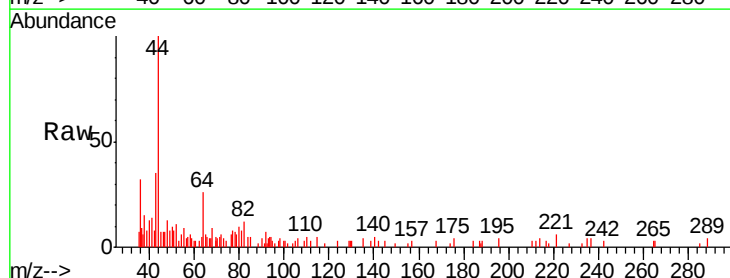
Acq: 28 Dec 2018 09:54

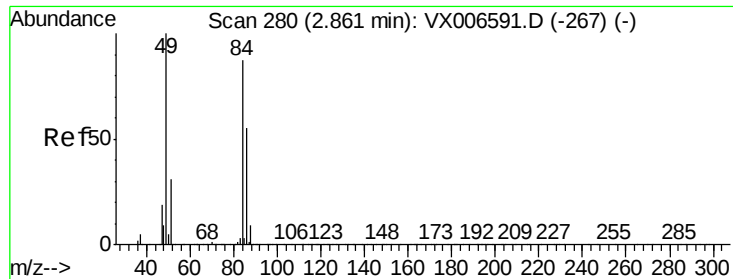
Tgt Ion: 43 Resp: 1317

Ion Ratio Lower Upper

43 100

58 3.6 25.0 37.6#

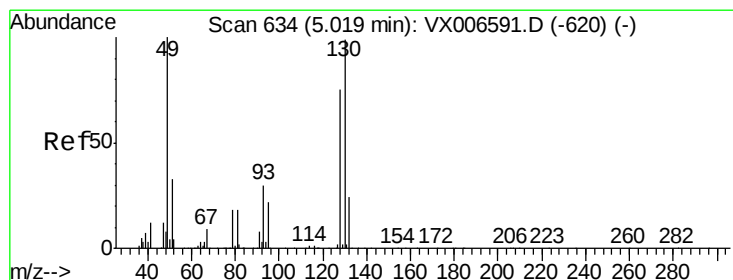
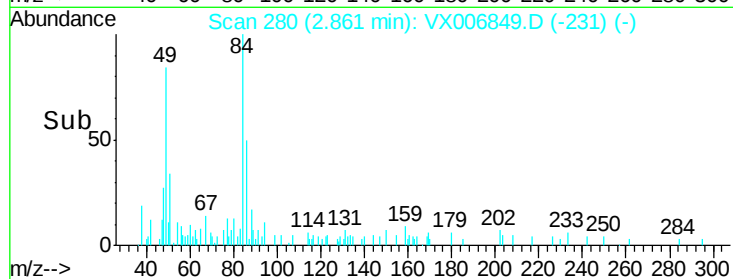
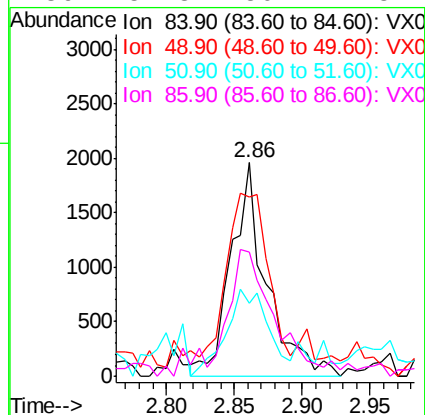
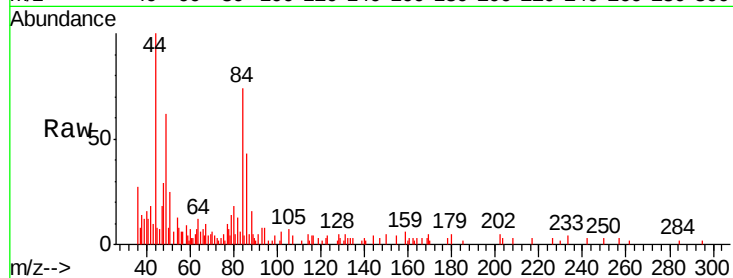




#20
Methylene Chloride
Concen: 0.470 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006849.D
Acq: 28 Dec 2018 09:54

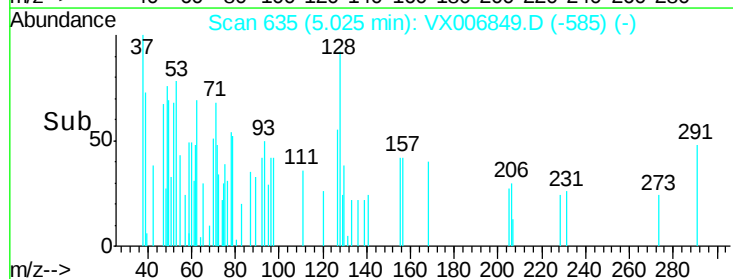
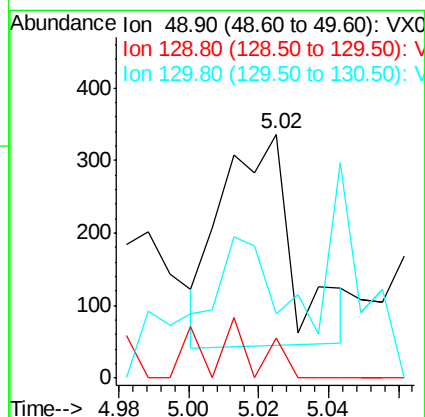
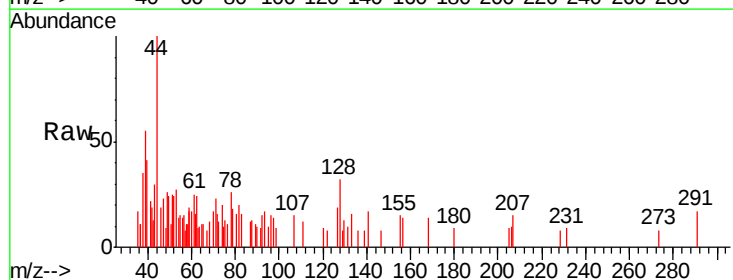
Instrument :
MSVOA_X
ClientSampleId :
VX1228WBL01

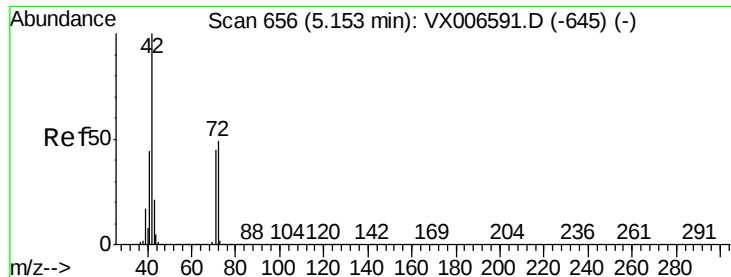
Tgt Ion: 84 Resp: 3572
Ion Ratio Lower Upper
84 100
49 76.5 91.8 137.6#
51 34.5 28.5 42.7
86 54.8 50.2 75.2



#28
Bromochloromethane
Concen: Below Cal
RT: 5.02 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX006849.D
Acq: 28 Dec 2018 09:54

Tgt Ion: 49 Resp: 413
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.4
130 45.3 77.7 116.5#

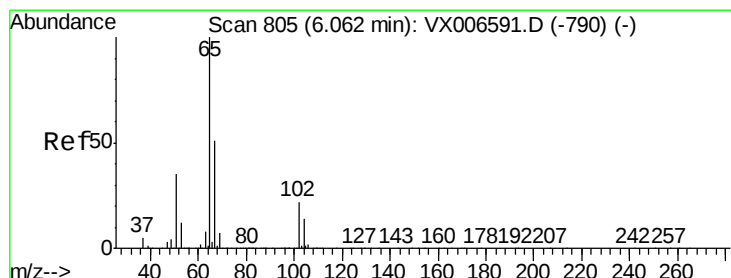
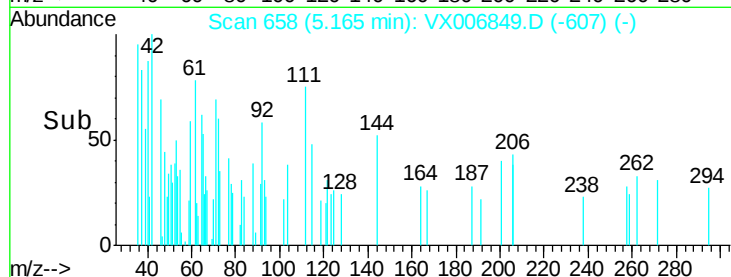
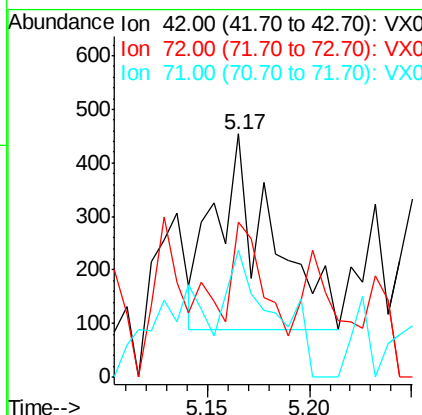
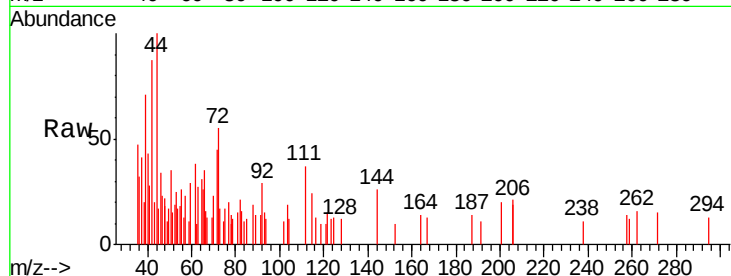




#29
Tetrahydrofuran
Concen: 0.205 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX006849.D
Acq: 28 Dec 2018 09:54

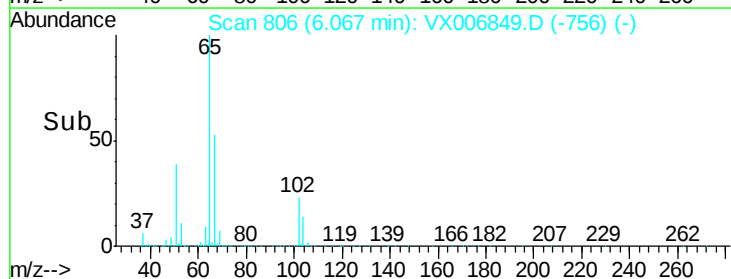
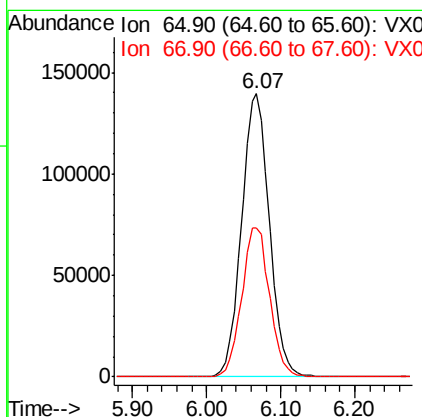
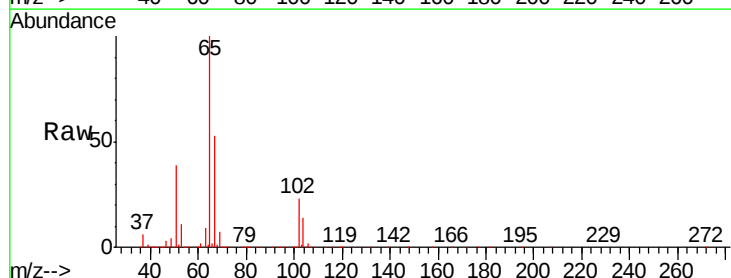
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MSVOA_X
ClientSampled :
VX1228WBL01

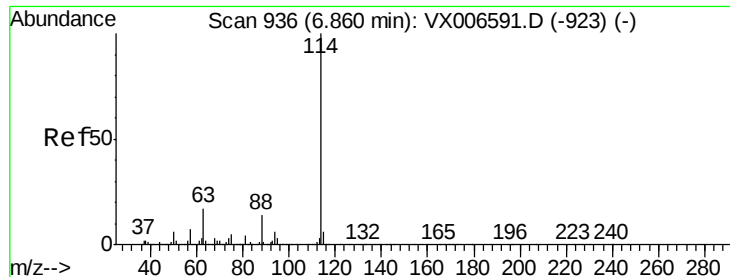
Tgt Ion: 42 Resp: 697
Ion Ratio Lower Upper
42 100
72 47.8 38.9 58.3
71 53.8 36.2 54.4



#33
1,2-Dichloroethane-d4
Concen: 45.613 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006849.D
Acq: 28 Dec 2018 09:54

Tgt Ion: 65 Resp: 365219
Ion Ratio Lower Upper
65 100
67 53.0 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: VX006849.D

Acq: 28 Dec 2018 09:54

Instrument :

MSVOA_X

ClientSampleId :

VX1228WBL01

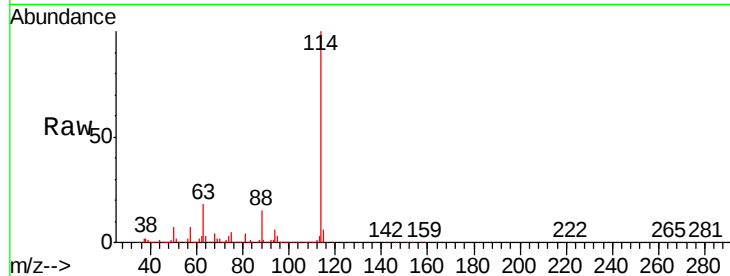
Tgt Ion:114 Resp: 1087453

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.8

88 14.7 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

600000

500000

400000

300000

200000

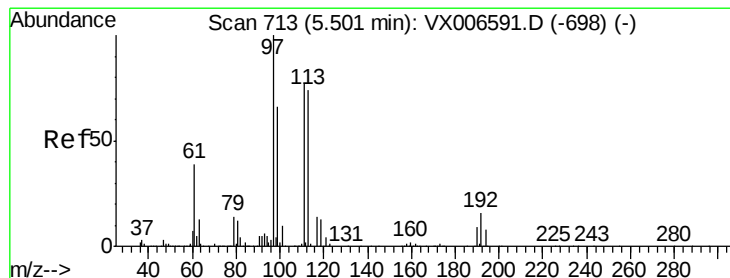
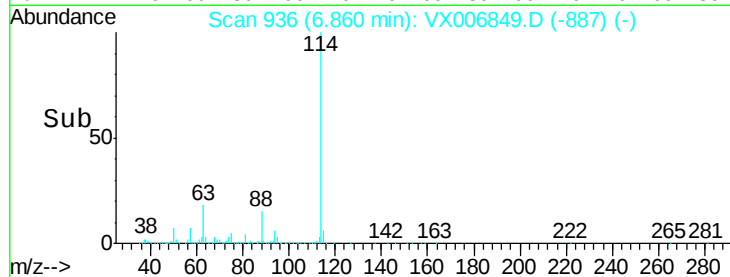
100000

0

6.86

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 47.426 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006849.D

Acq: 28 Dec 2018 09:54

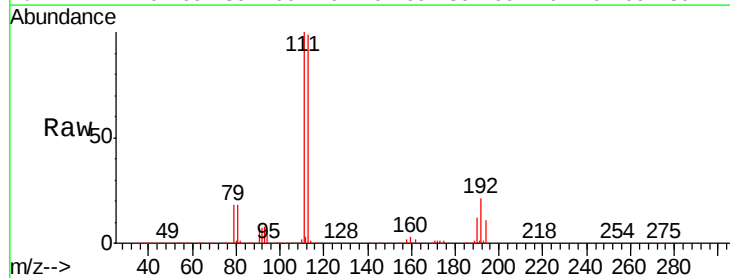
Tgt Ion:113 Resp: 326138

Ion Ratio Lower Upper

113 100

111 102.3 81.6 122.4

192 22.4 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

150000

100000

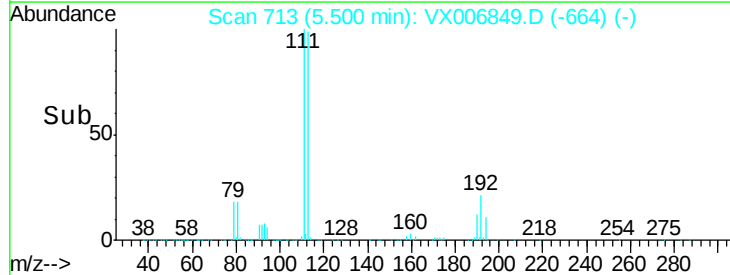
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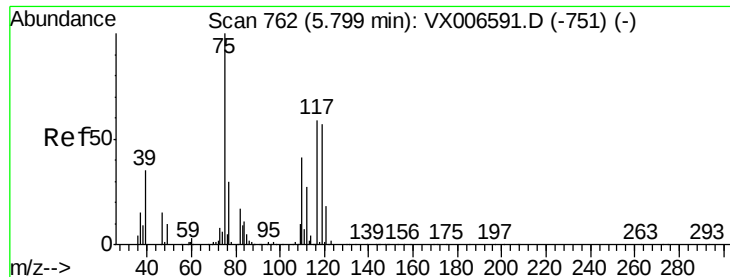
0

5.50

5.40 5.50 5.60

Time-->

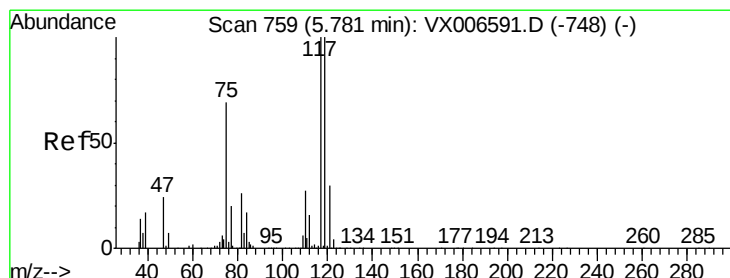
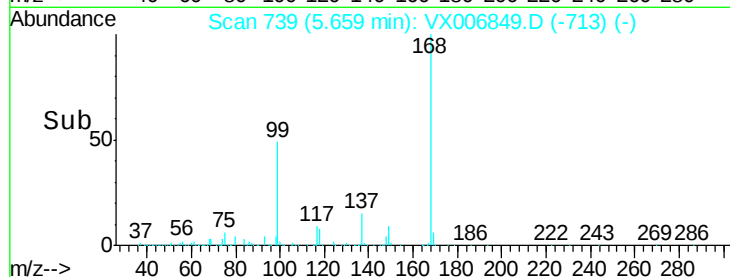
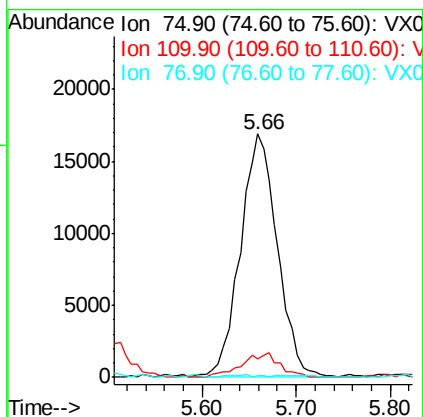
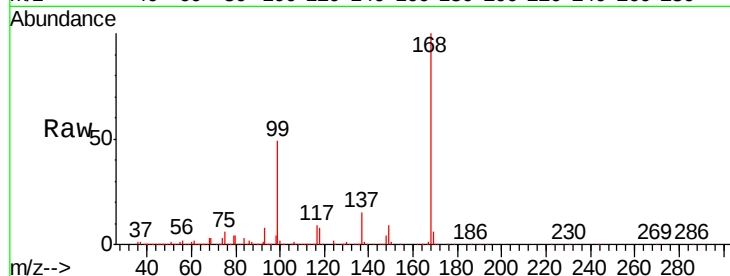




#36
 1,1-Dichloropropene
 Concen: 5.094 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006849.D
 Acq: 28 Dec 2018 09:54

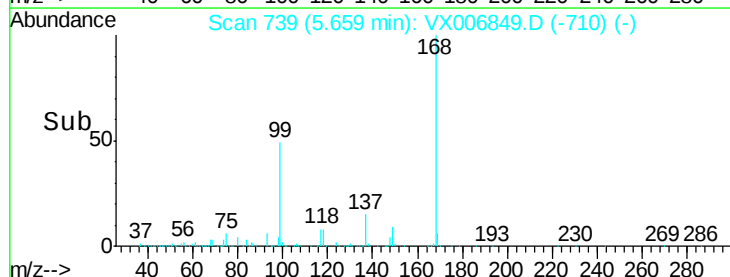
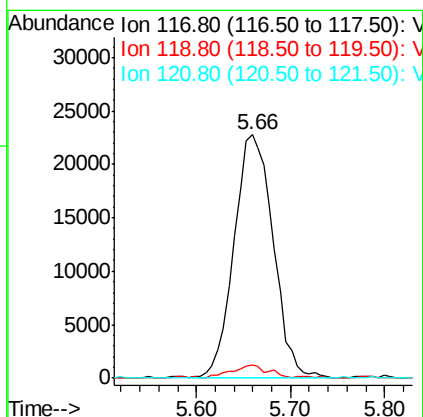
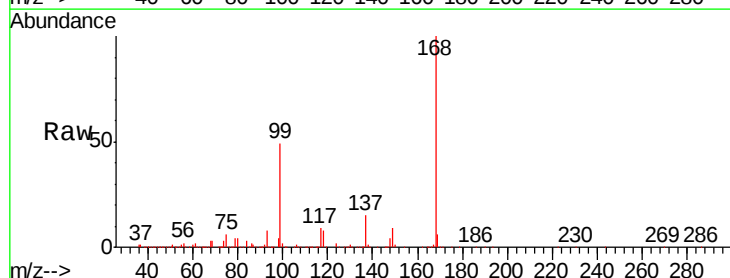
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228WBL01

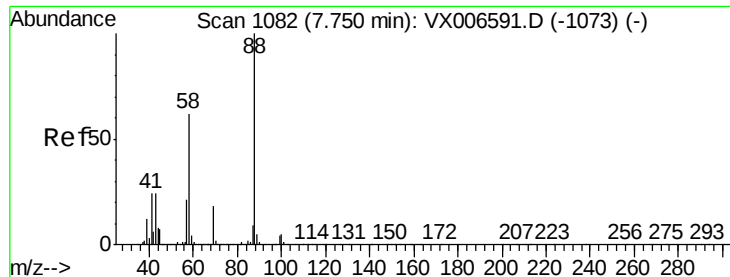
Tgt Ion: 75 Resp: 45879
 Ion Ratio Lower Upper
 75 100
 110 10.5 20.2 60.5#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 7.562 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX006849.D
 Acq: 28 Dec 2018 09:54

Tgt Ion: 117 Resp: 66190
 Ion Ratio Lower Upper
 117 100
 119 5.2 79.4 119.2#
 121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006849.D

Acq: 28 Dec 2018 09:54

Instrument :

MSVOA_X

ClientSampled :

VX1228WBL01

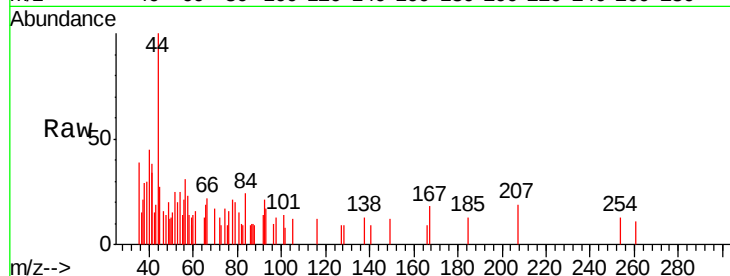
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

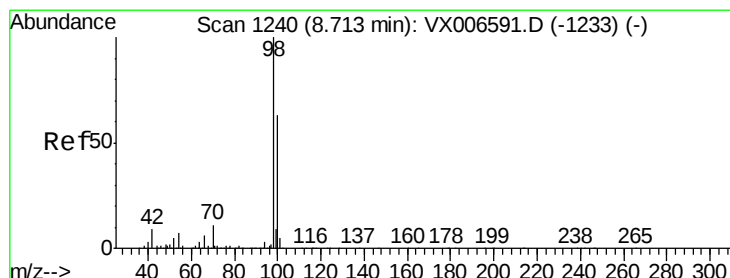
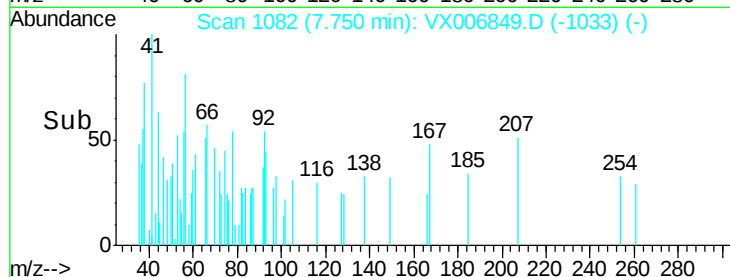
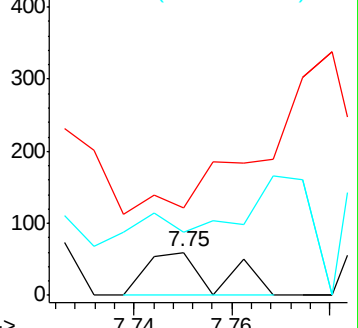
58 65.0 51.0 76.4



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: 48.931 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006849.D

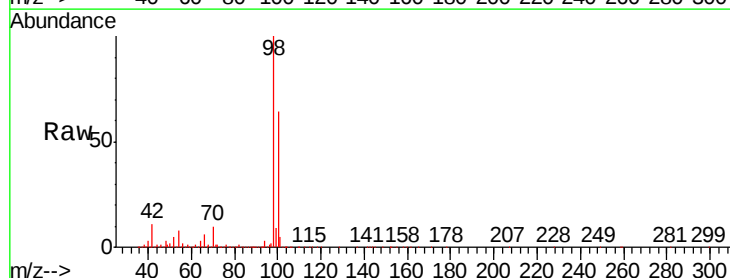
Acq: 28 Dec 2018 09:54

Tgt Ion: 98 Resp: 1268581

Ion Ratio Lower Upper

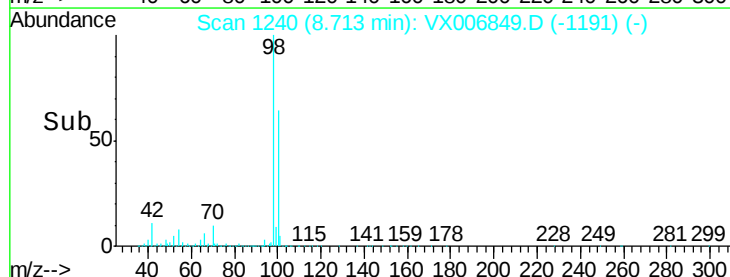
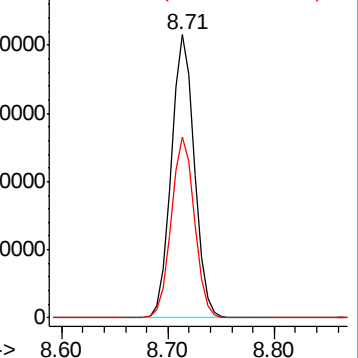
98 100

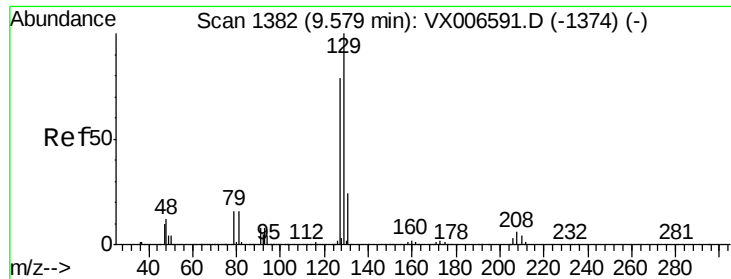
100 64.2 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 2.342 ug/l

RT: 9.60 min Scan# 1386

Delta R.T. 0.02 min

Lab File: VX006849.D

Acq: 28 Dec 2018 09:54

Instrument :

MSVOA_X

ClientSampleId :

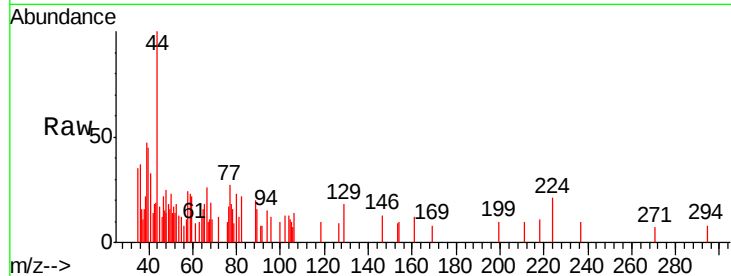
VX1228WBL01

Tgt Ion:129 Resp: 142

Ion Ratio Lower Upper

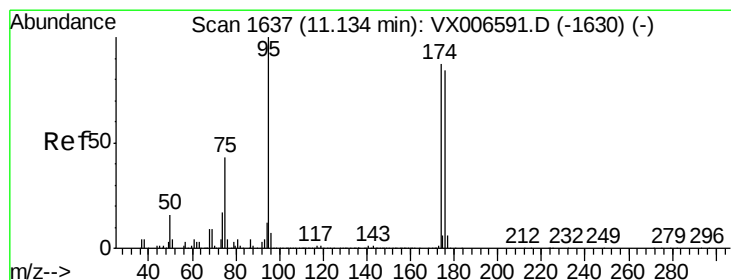
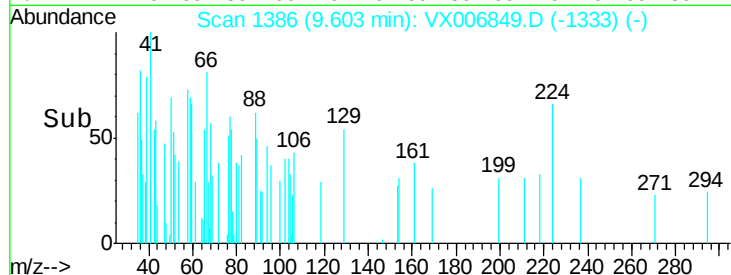
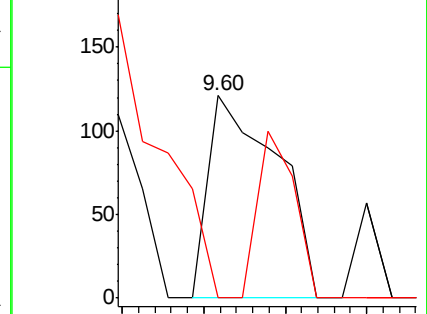
129 100

127 44.4 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: 48.006 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006849.D

Acq: 28 Dec 2018 09:54

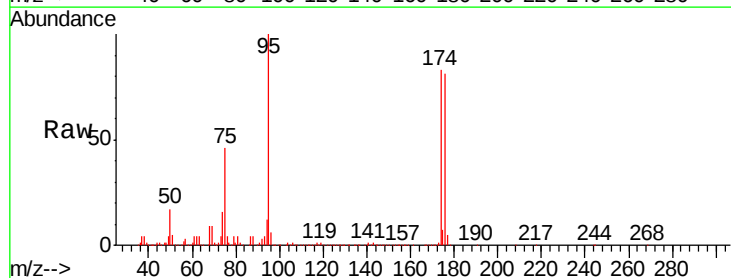
Tgt Ion: 95 Resp: 455829

Ion Ratio Lower Upper

95 100

174 92.4 0.0 182.2

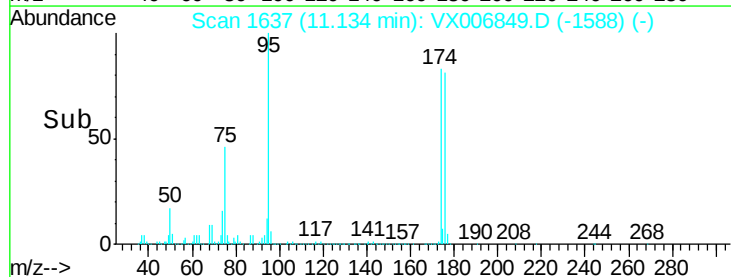
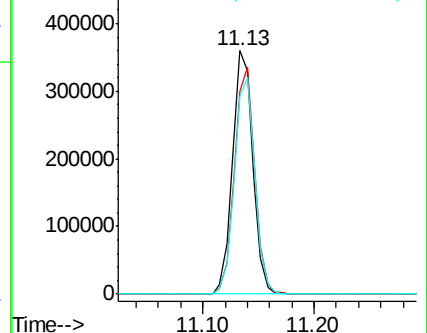
176 89.2 0.0 178.8

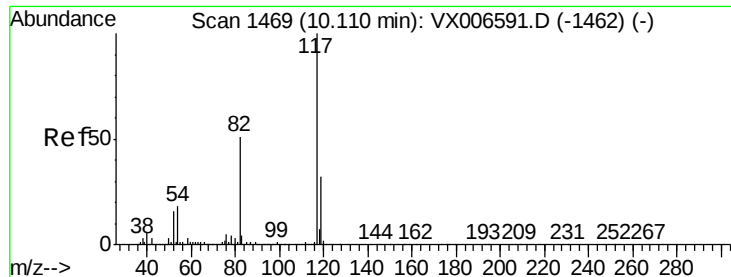


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

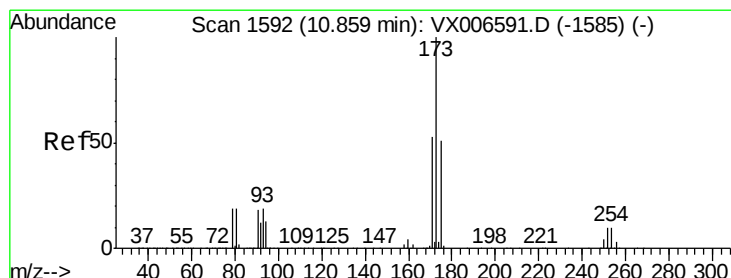
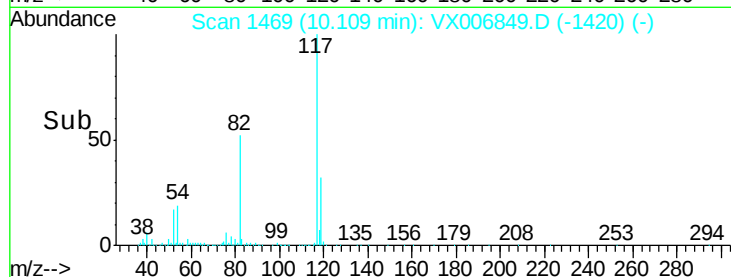
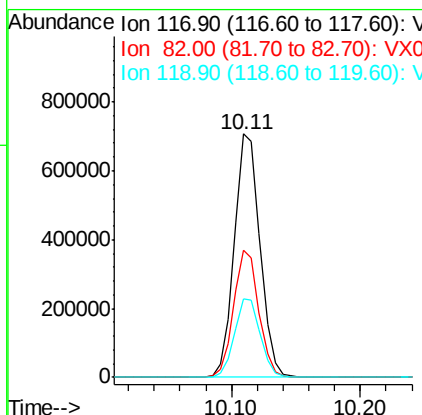
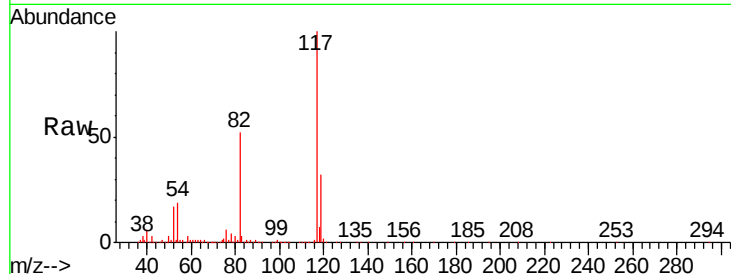




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006849.D
Acq: 28 Dec 2018 09:54

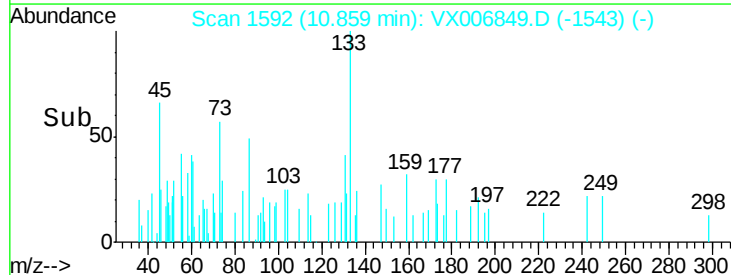
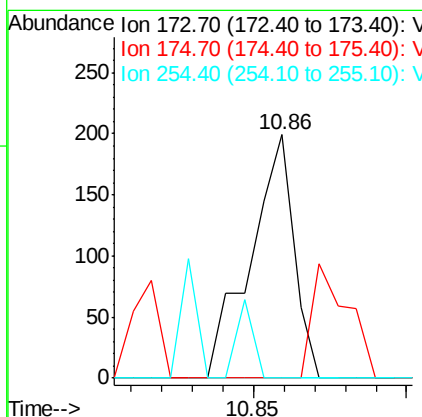
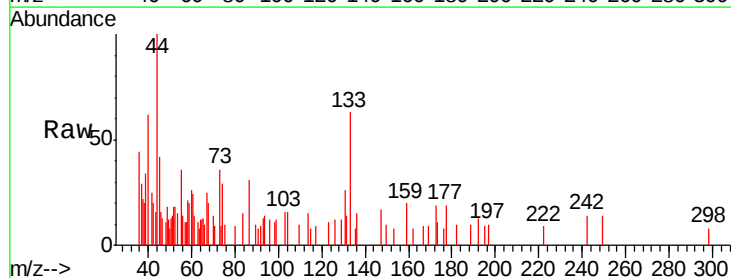
Instrument :
MSVOA_X
ClientSampleId :
VX1228WBL01

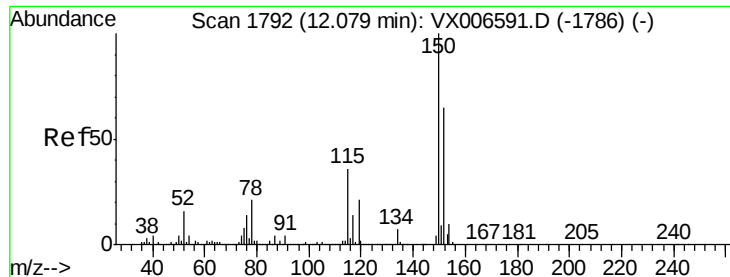
Tgt Ion:117 Resp: 983452
Ion Ratio Lower Upper
117 100
82 52.3 41.0 61.6
119 32.2 25.4 38.0



#71
Bromoform
Concen: 4.491 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006849.D
Acq: 28 Dec 2018 09:54

Tgt Ion:173 Resp: 198
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
254 11.6 0.2 0.2#



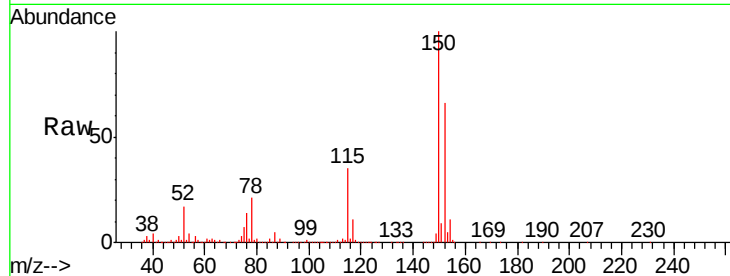


#72

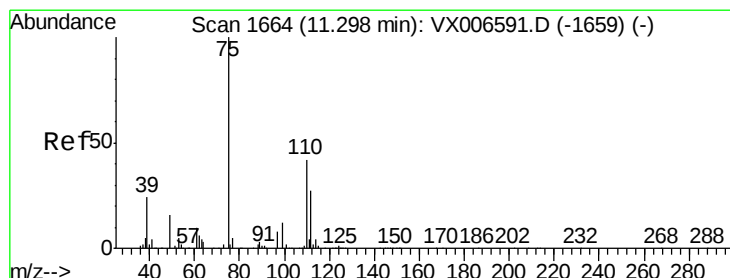
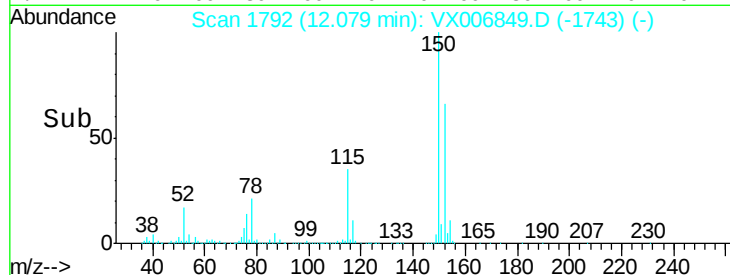
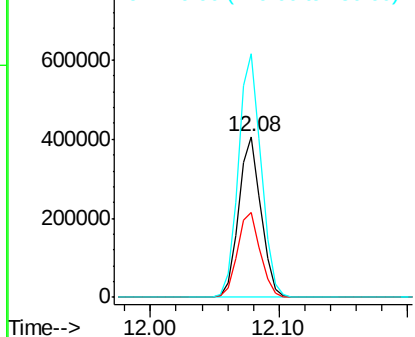
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006849.D
Acq: 28 Dec 2018 09:54

Instrument :
MSVOA_X
ClientSampleId :
VX1228WBL01

Tgt Ion: 152 Resp: 486681
Ion Ratio Lower Upper
152 100
115 54.3 39.1 117.2
150 154.4 0.0 344.8



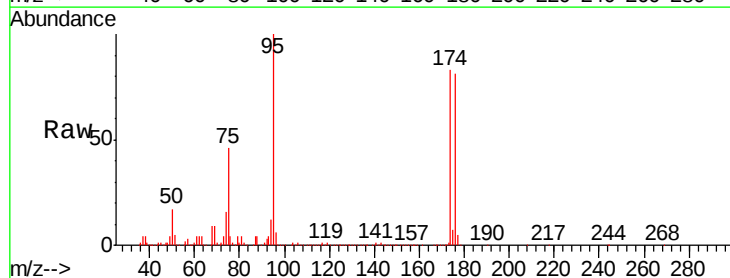
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



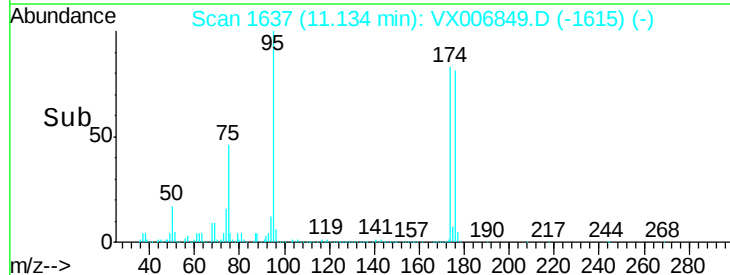
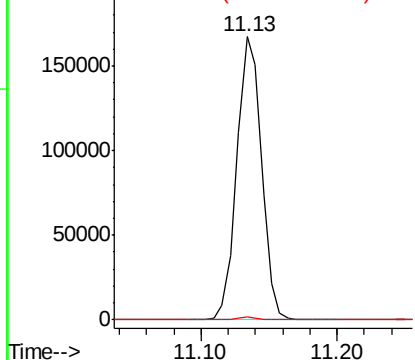
#76

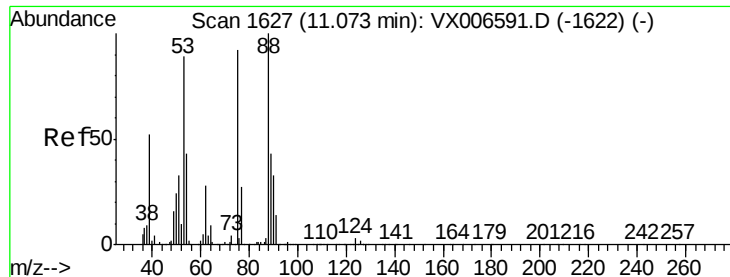
1,2,3-Trichloropropane
Concen: 23.393 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006849.D
Acq: 28 Dec 2018 09:54

Tgt Ion: 75 Resp: 211584
Ion Ratio Lower Upper
75 100
77 1.1 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

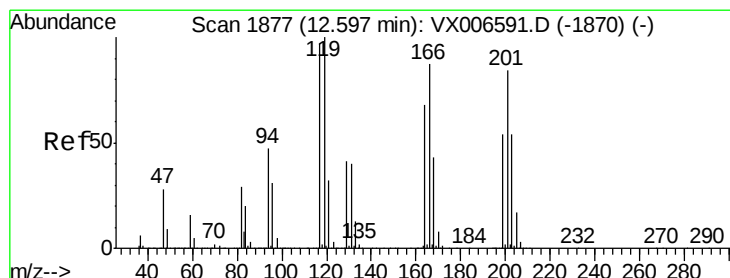
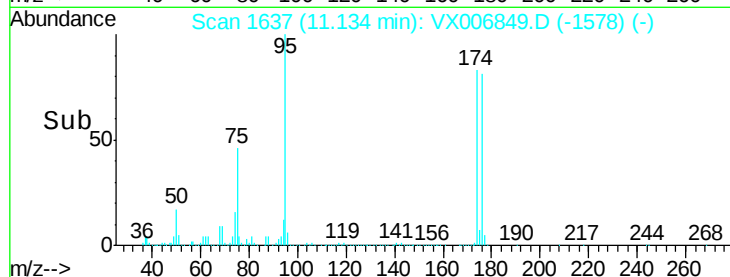
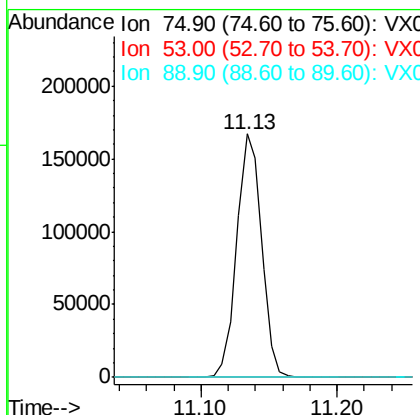
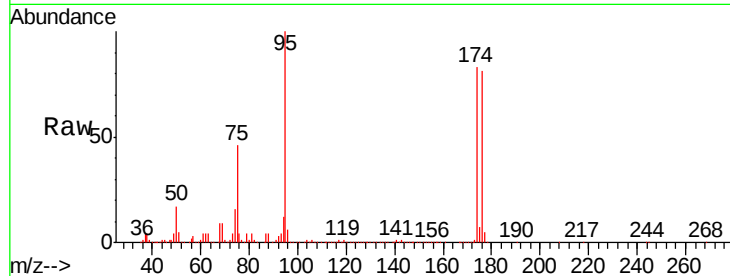




#81
trans-1,4-Dichloro-2-butene
Concen: 69.399 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX006849.D
Acq: 28 Dec 2018 09:54

Instrument :
MSVOA_X
ClientSampleId :
VX1228WBL01

Tgt Ion: 75 Resp: 211584
Ion Ratio Lower Upper
75 100
53 0.1 79.7 119.5#
89 0.2 38.0 57.0#



#90
Hexachloroethane
Concen: 3.309 ug/l
RT: 12.40 min Scan# 1845
Delta R.T. -0.19 min
Lab File: VX006849.D
Acq: 28 Dec 2018 09:54

Tgt Ion: 117 Resp: 77
Ion Ratio Lower Upper
117 100
201 89.6 42.9 128.7

