

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX010319\
 Data File : VX006888.D
 Acq On : 03 Jan 2019 12:19
 Operator : JC/MD
 Sample : K1029-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB06_123118

Quant Time: Jan 04 00:18:56 2019
 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	5.67	168	689683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1030689	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	941125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	458010	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	355173	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
35) Dibromofluoromethane	5.50	113	317155	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
50) Toluene-d8	8.71	98	1215948	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	11.13	95	430868	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	

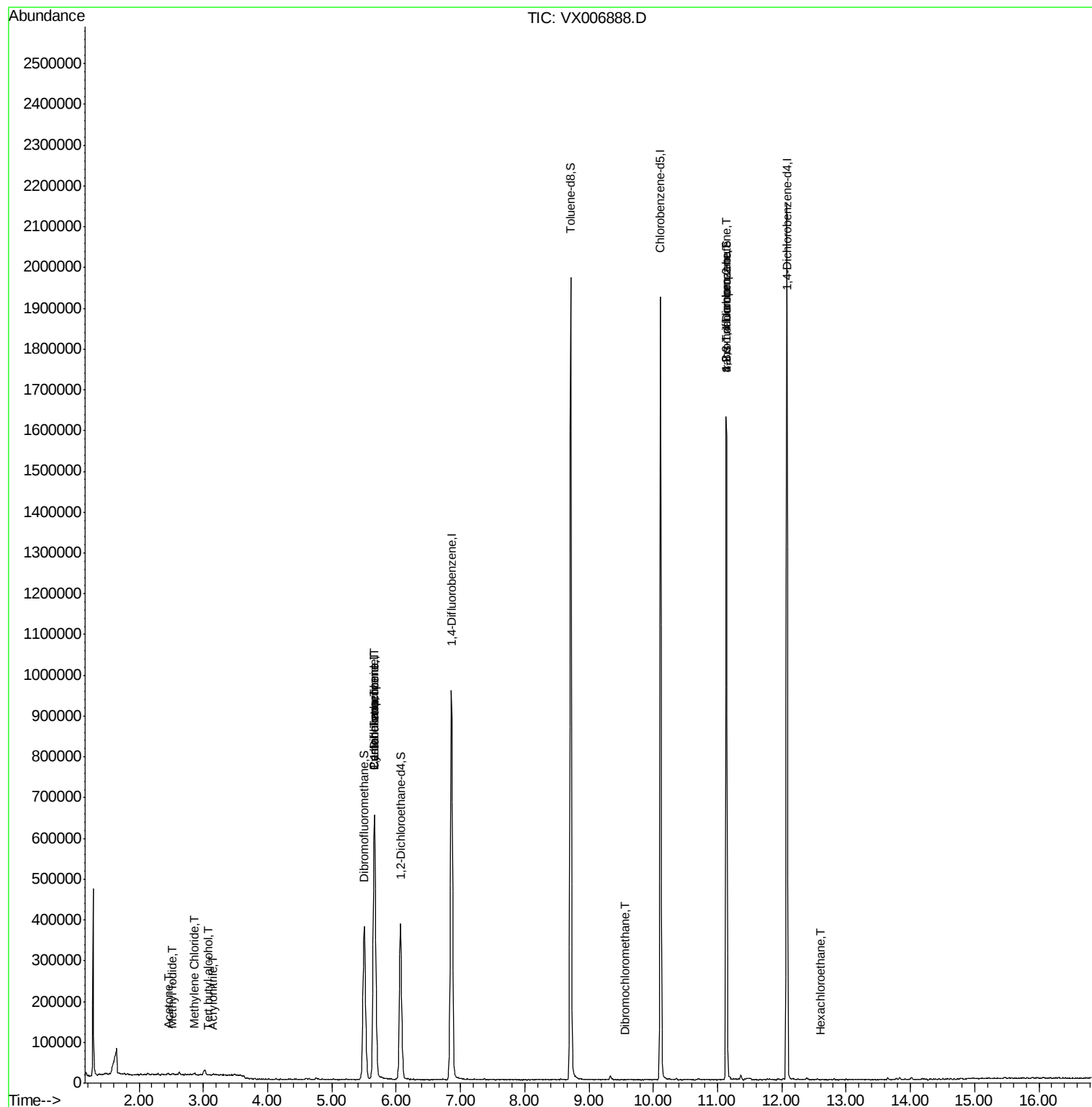
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	4570	Below Cal		96
10) Methyl Iodide	2.51	142	2183	0.235	ug/l #	82
11) Tert butyl alcohol	3.08	59	683	0.412	ug/l	96
15) Acrylonitrile	3.14	53	907	0.246	ug/l #	56
16) Acetone	2.45	43	4020	1.177	ug/l	95
20) Methylene Chloride	2.86	84	2008	0.284	ug/l #	76
28) Bromochloromethane	5.03	49	427	Below Cal	#	30
31) Cyclohexane	5.67	56	10579	1.028	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	43419	5.086	ug/l #	48
38) Carbon Tetrachloride	5.66	117	60476	7.290	ug/l #	14
49) 1,4-Dioxane	7.74	88	60	Below Cal	#	1
60) Dibromochloromethane	9.57	129	58	2.332	ug/l	67
76) 1,2,3-Trichloropropane	11.13	75	205785	24.177	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	205785	71.581	ug/l #	10
90) Hexachloroethane	12.59	117	88	3.312	ug/l #	6

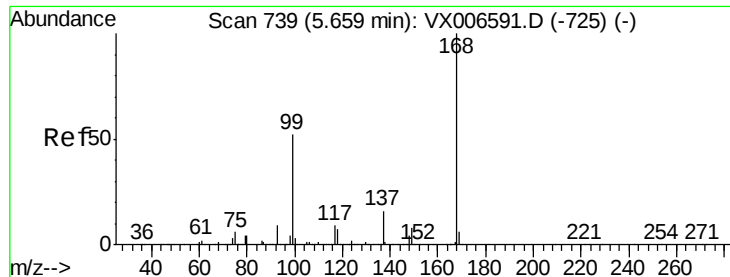
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX010319\
Data File : VX006888.D
Acq On : 03 Jan 2019 12:19
Operator : JC/MD
Sample : K1029-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleID :
TB06_123118

Quant Time: Jan 04 00:18:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
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: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006888.D

Acq: 03 Jan 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

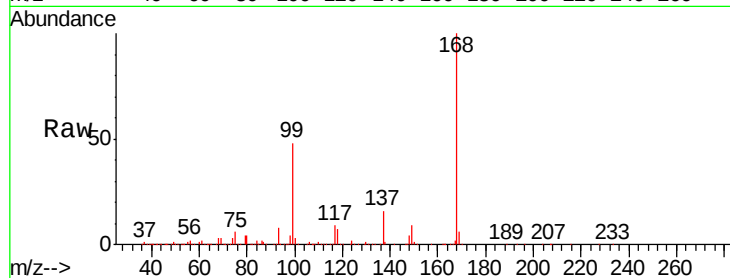
TB06_123118

Tgt Ion:168 Resp: 689683

Ion Ratio Lower Upper

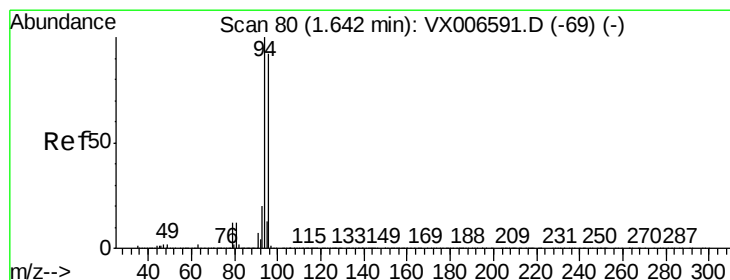
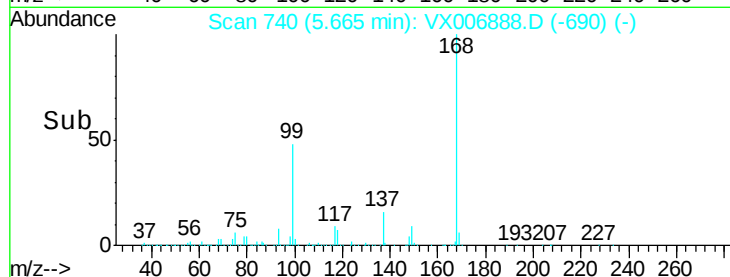
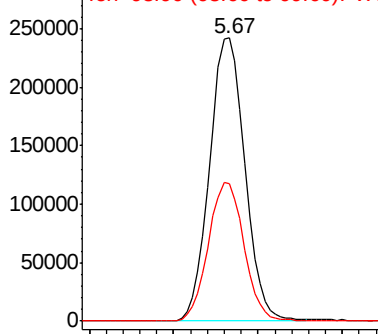
168 100

99 48.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006888.D

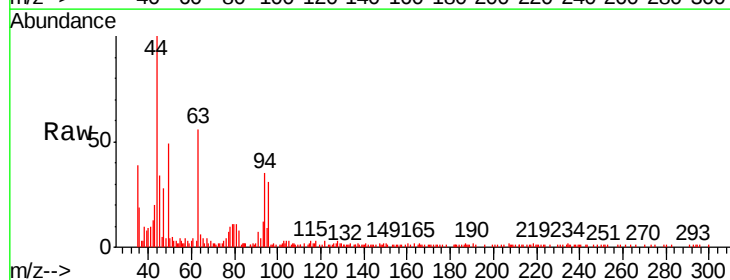
Acq: 03 Jan 2019 12:19

Tgt Ion: 94 Resp: 4570

Ion Ratio Lower Upper

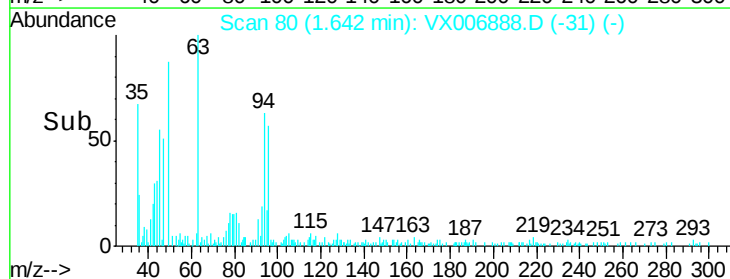
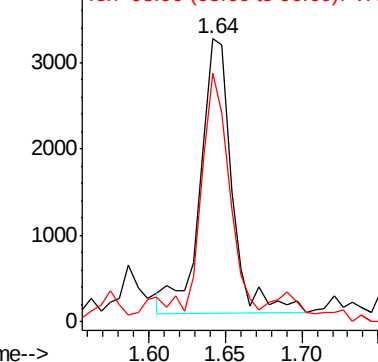
94 100

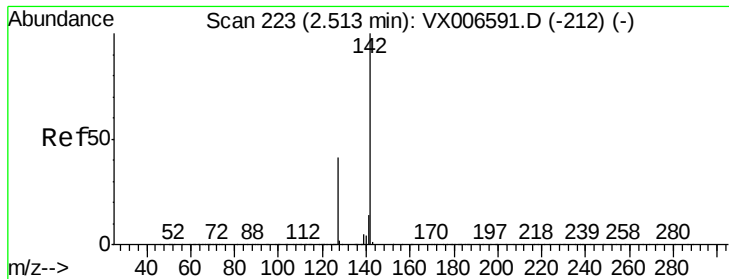
96 87.6 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

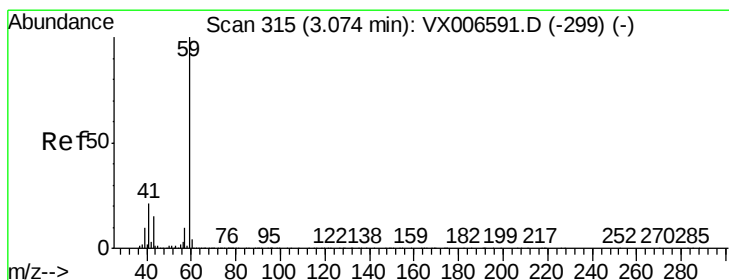
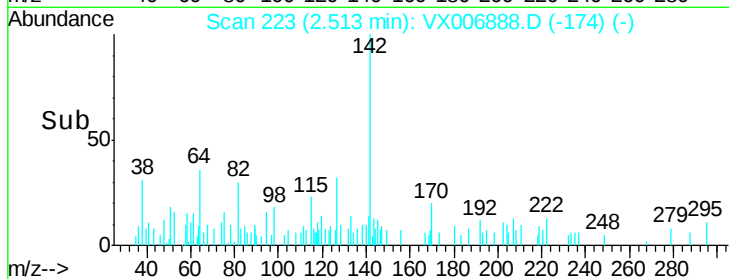
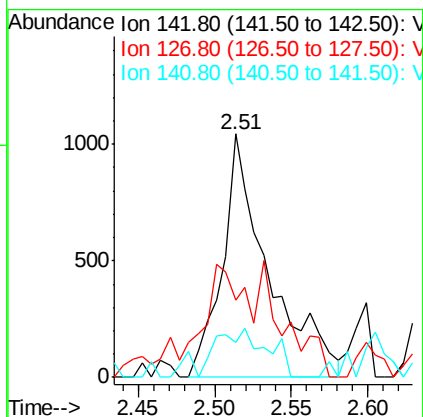
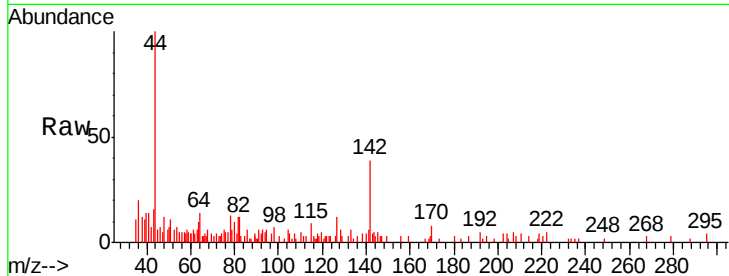




#10
Methyl Iodide
Concen: 0.235 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX006888.D
Acq: 03 Jan 2019 12:19

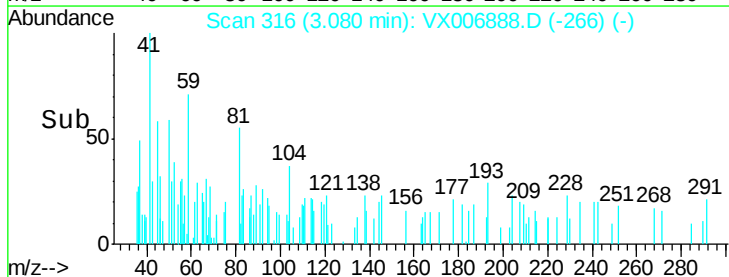
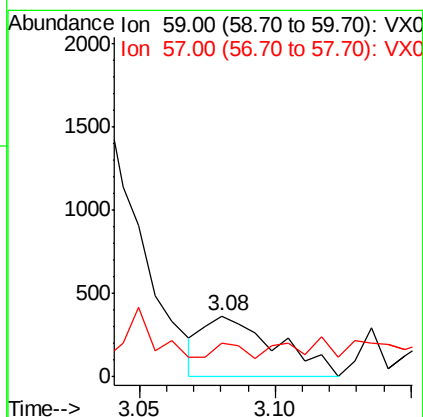
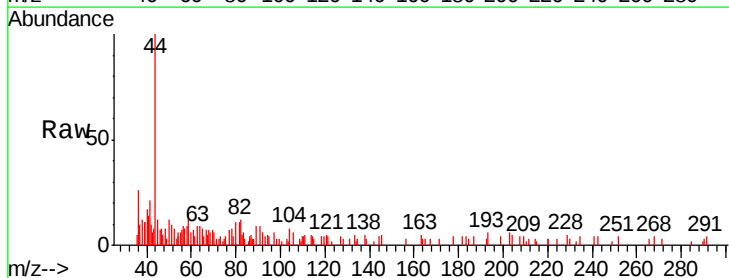
Instrument :
MSVOA_X
ClientSampleId :
TB06_123118

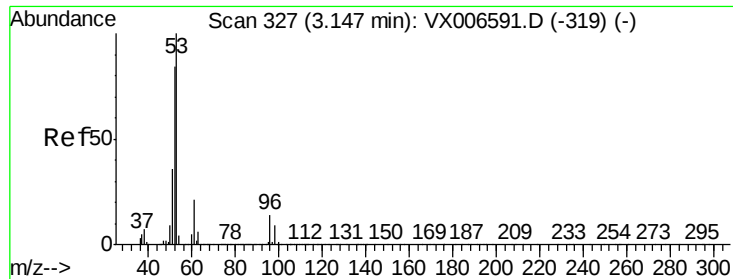
Tgt Ion: 142 Resp: 2183
Ion Ratio Lower Upper
142 100
127 31.0 33.9 50.9#
141 22.2 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.412 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX006888.D
Acq: 03 Jan 2019 12:19

Tgt Ion: 59 Resp: 683
Ion Ratio Lower Upper
59 100
57 9.2 8.5 12.7





#15

Acrylonitrile

Concen: 0.246 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX006888.D

Acq: 03 Jan 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

TB06_123118

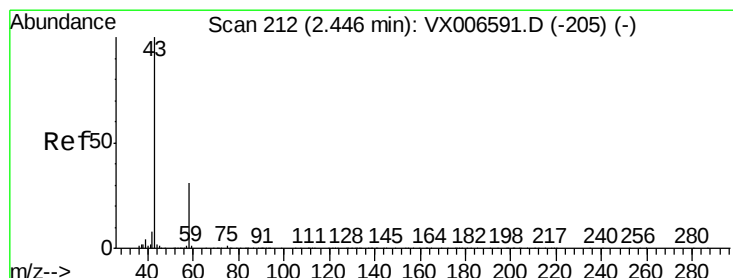
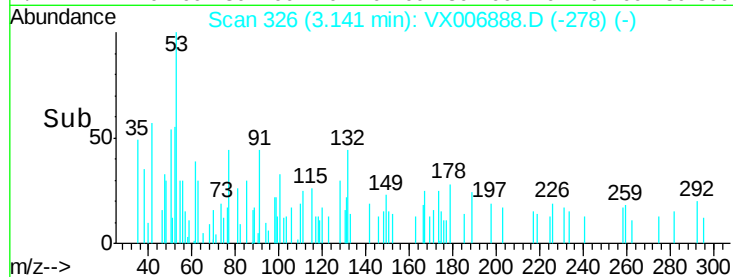
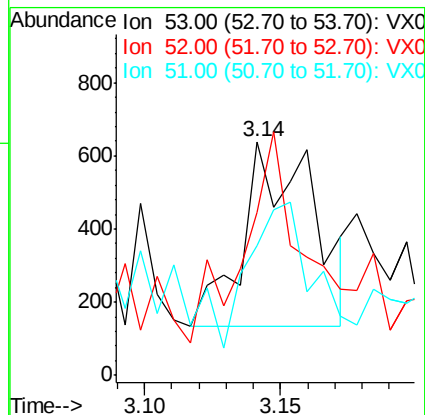
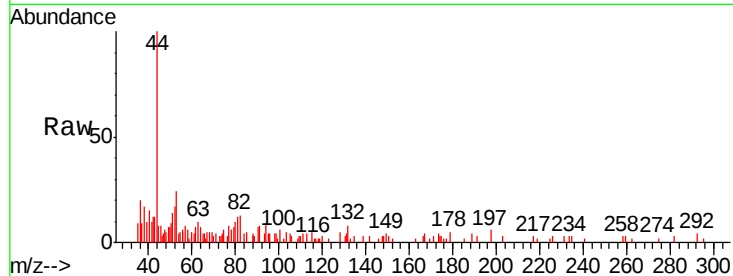
Tgt Ion: 53 Resp: 907

Ion Ratio Lower Upper

53 100

52 114.9 66.0 99.0#

51 71.3 28.6 42.8#



#16

Acetone

Concen: 1.177 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX006888.D

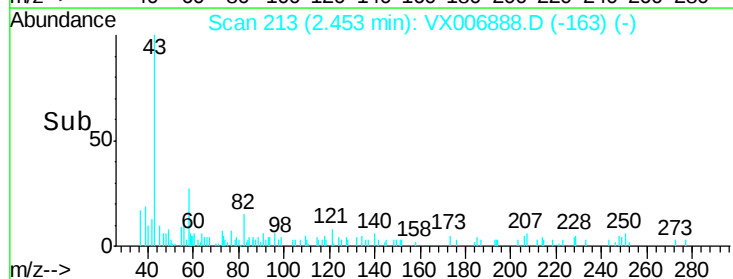
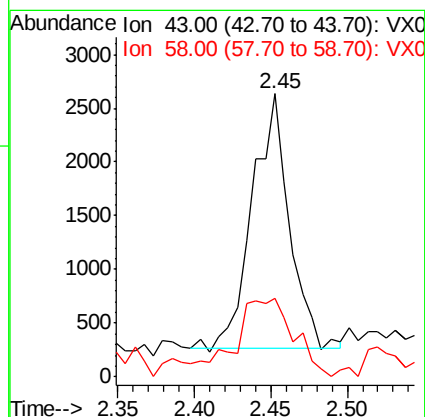
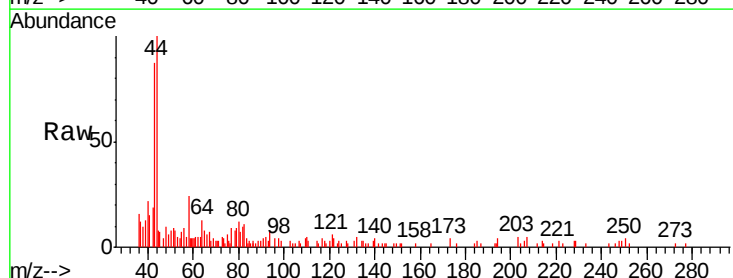
Acq: 03 Jan 2019 12:19

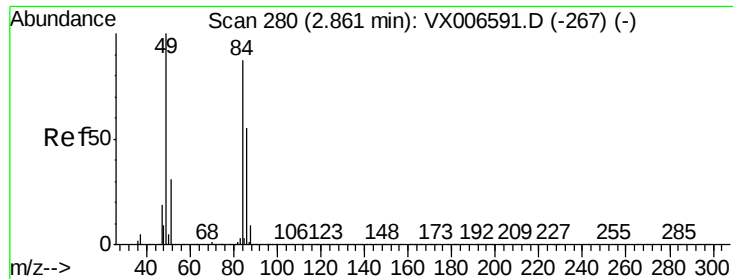
Tgt Ion: 43 Resp: 4020

Ion Ratio Lower Upper

43 100

58 28.5 25.0 37.6

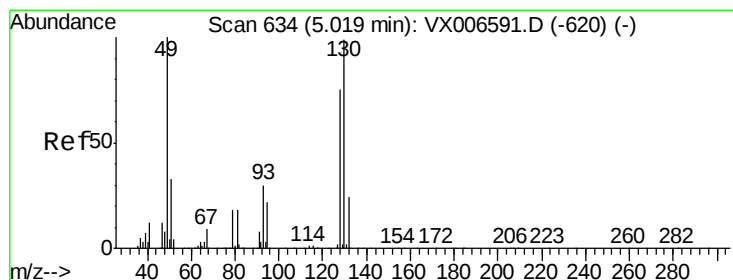
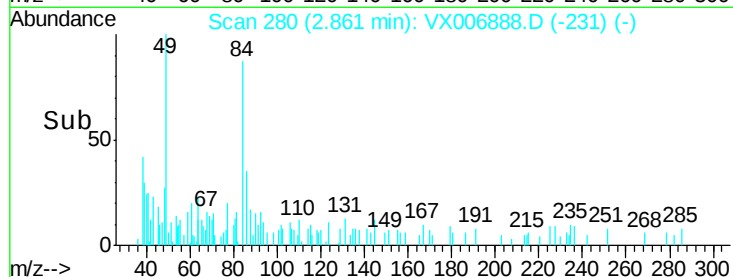
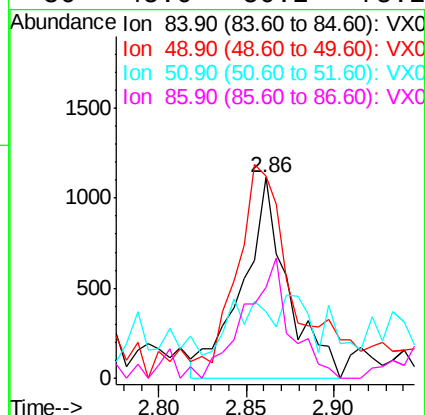
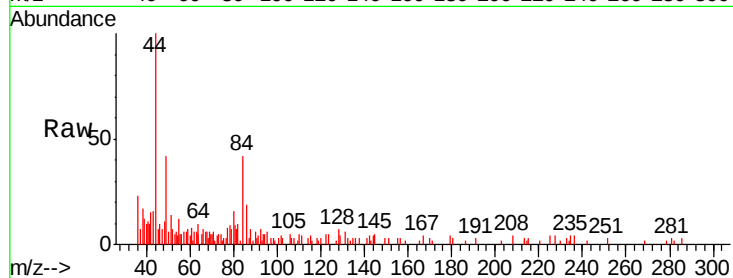




#20
Methylene Chloride
Concen: 0.284 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006888.D
Acq: 03 Jan 2019 12:19

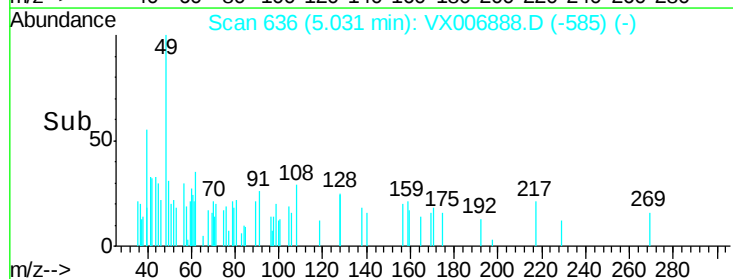
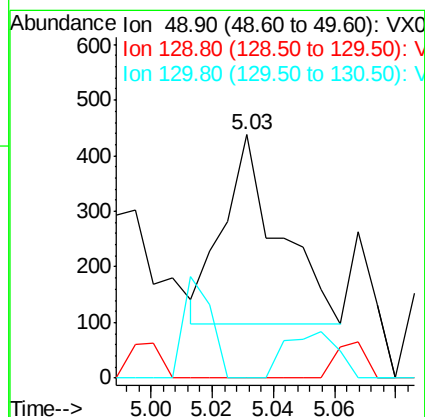
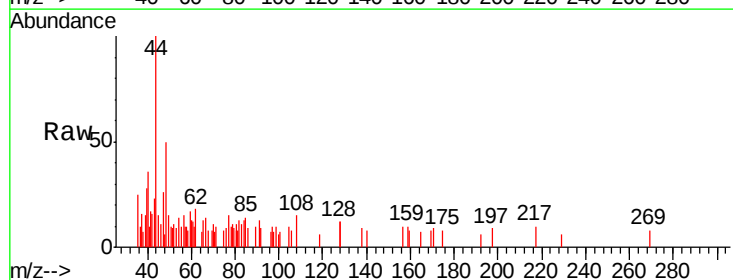
Instrument :
MSVOA_X
ClientSampleId :
TB06_123118

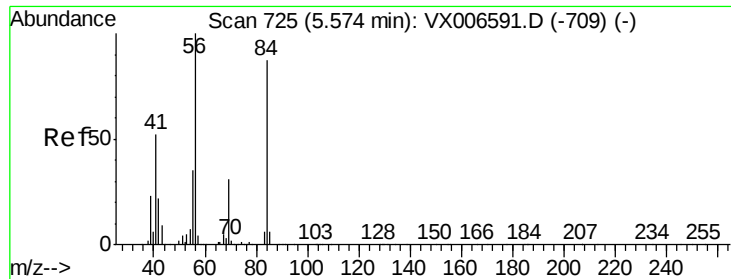
Tgt Ion: 84 Resp: 2008
Ion Ratio Lower Upper
84 100
49 92.0 91.8 137.6
51 15.6 28.5 42.7#
86 45.0 50.2 75.2#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 636
Delta R.T. 0.01 min
Lab File: VX006888.D
Acq: 03 Jan 2019 12:19

Tgt Ion: 49 Resp: 427
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.4
130 26.9 77.7 116.5#

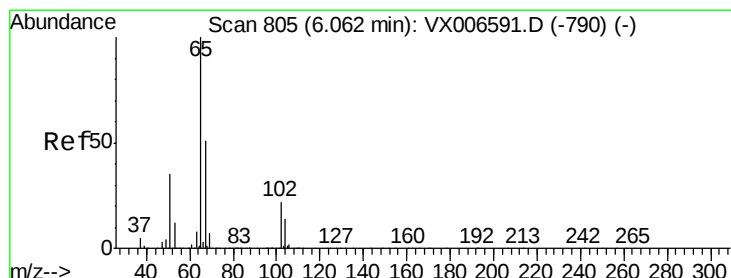
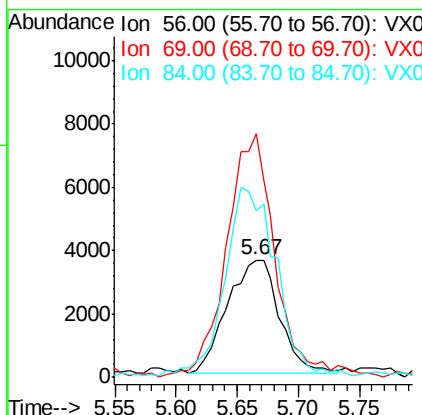
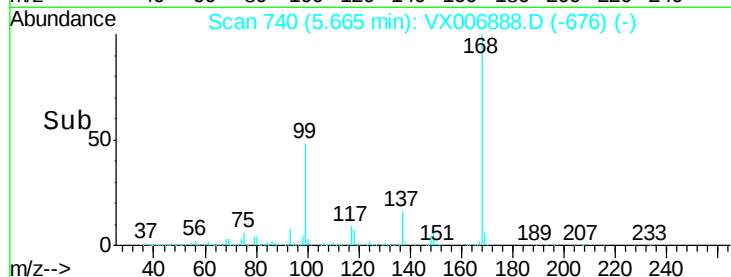
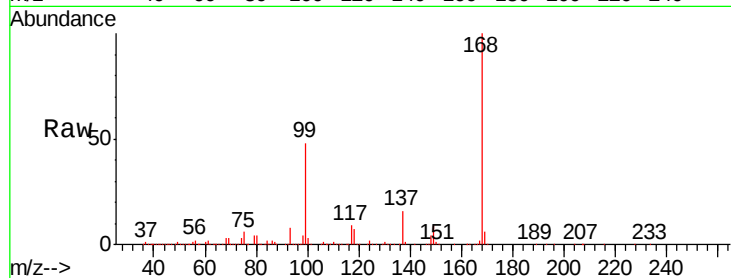




#31
Cyclohexane
Concen: 1.028 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX006888.D
Acq: 03 Jan 2019 12:19

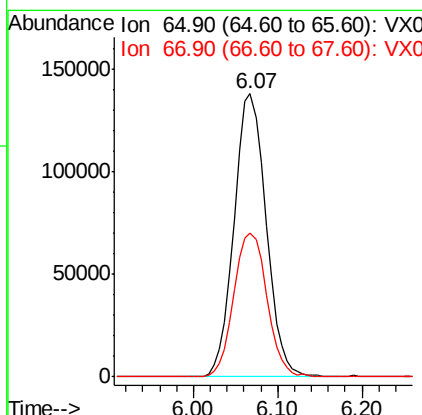
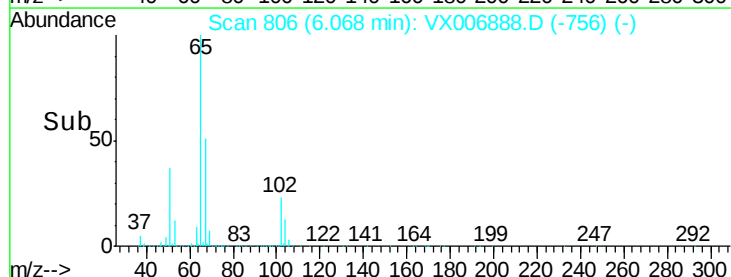
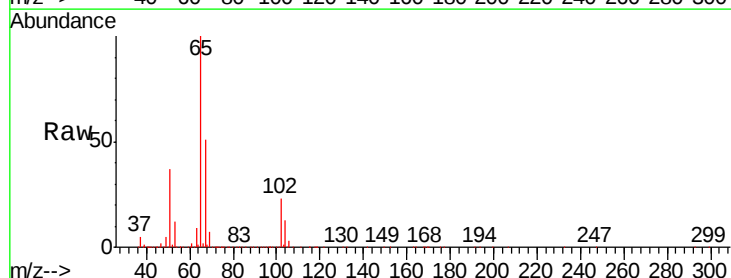
Instrument :
MSVOA_X
ClientSampled :
TB06_123118

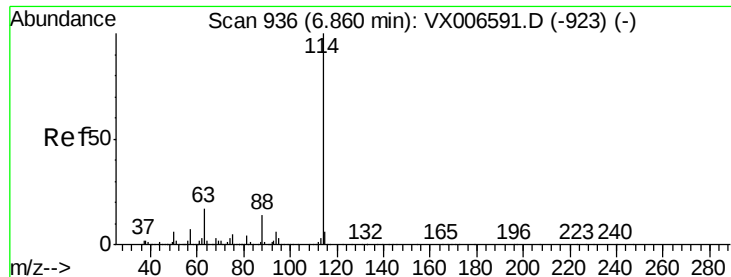
Tgt Ion: 56 Resp: 10579
Ion Ratio Lower Upper
56 100
69 210.5 24.4 36.6#
84 141.5 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 47.783 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006888.D
Acq: 03 Jan 2019 12:19

Tgt Ion: 65 Resp: 355173
Ion Ratio Lower Upper
65 100
67 52.7 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: VX006888.D

Acq: 03 Jan 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

TB06_123118

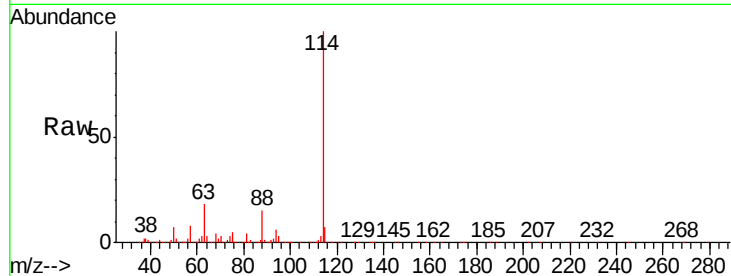
Tgt Ion:114 Resp: 1030689

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.8

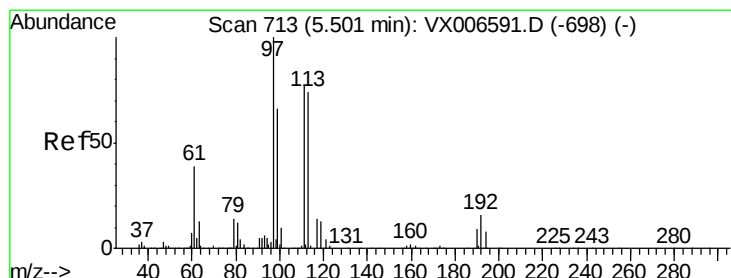
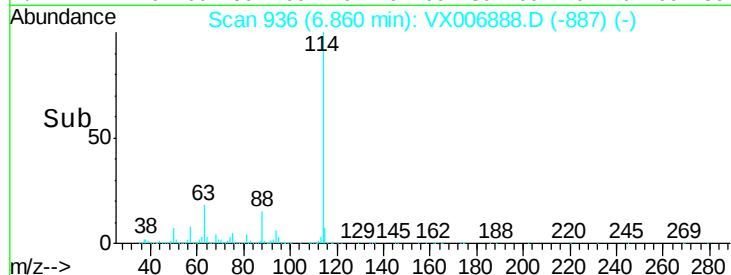
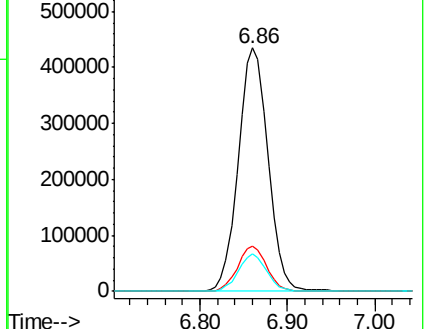
88 15.3 0.0 28.8



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: 48.659 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006888.D

Acq: 03 Jan 2019 12:19

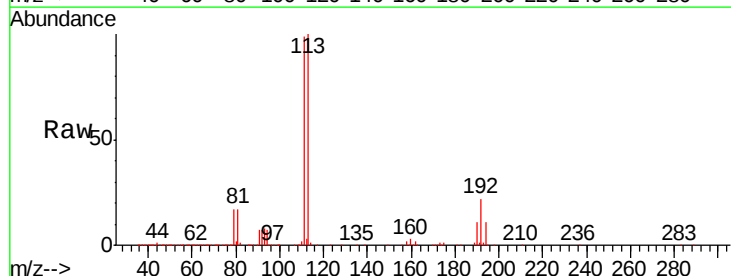
Tgt Ion:113 Resp: 317155

Ion Ratio Lower Upper

113 100

111 101.4 81.6 122.4

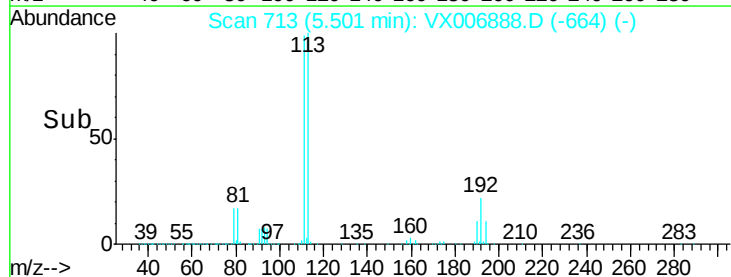
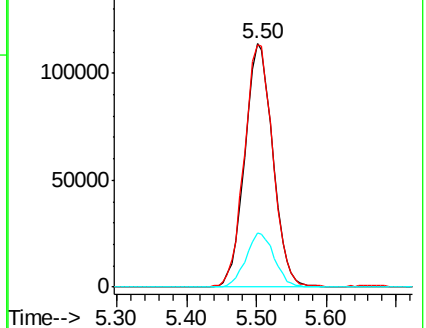
192 22.4 16.7 25.1

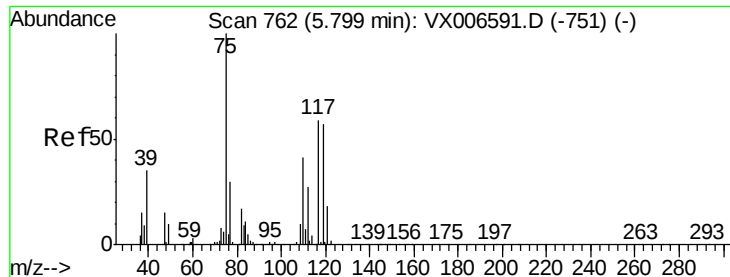


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

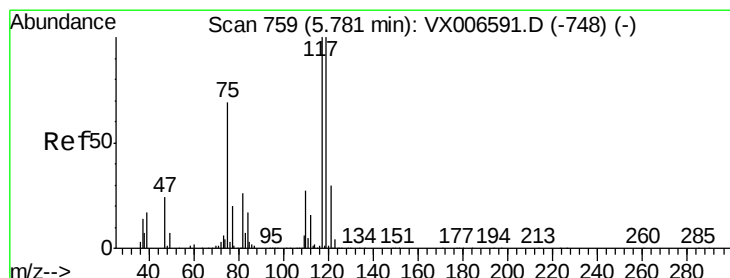
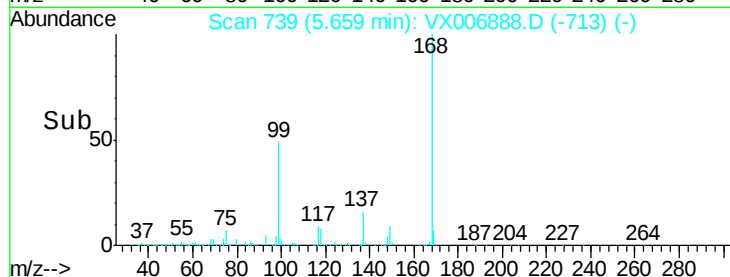
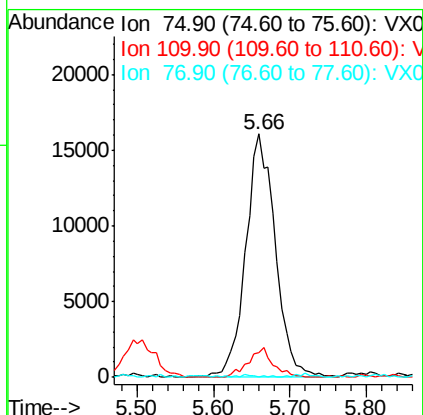
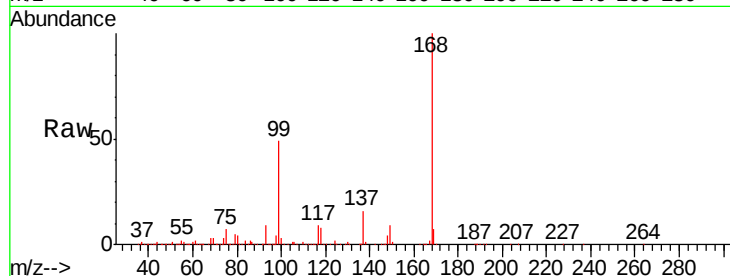




#36
 1,1-Dichloropropene
 Concen: 5.086 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006888.D
 Acq: 03 Jan 2019 12:19

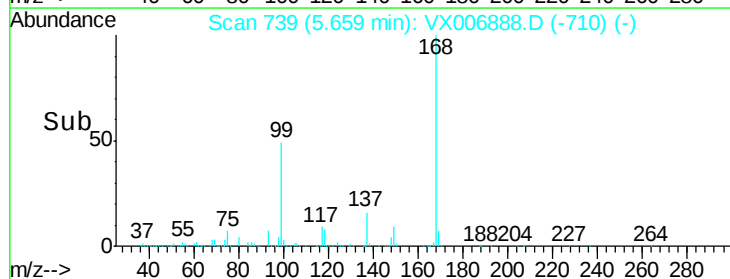
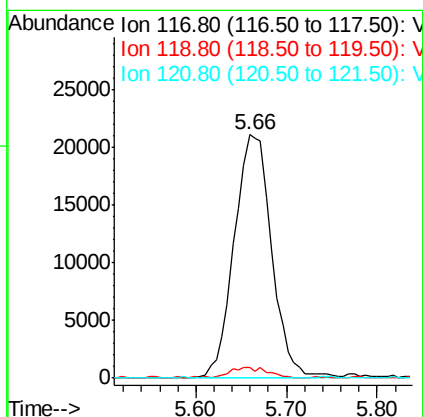
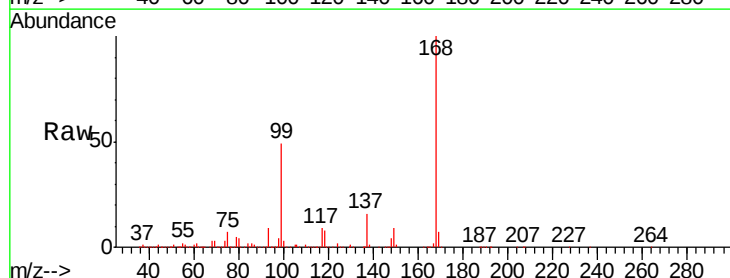
Instrument :
 MSVOA_X
 ClientSampleId :
 TB06_123118

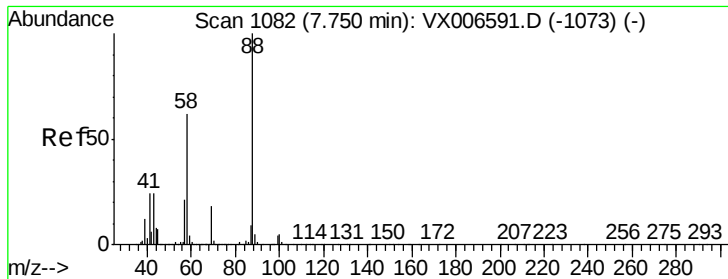
Tgt Ion: 75 Resp: 43419
 Ion Ratio Lower Upper
 75 100
 110 10.3 20.2 60.5#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 7.290 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX006888.D
 Acq: 03 Jan 2019 12:19

Tgt Ion: 117 Resp: 60476
 Ion Ratio Lower Upper
 117 100
 119 4.6 79.4 119.2#
 121 0.0 24.0 36.0#

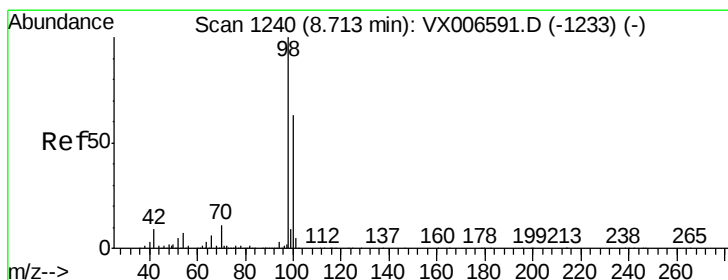
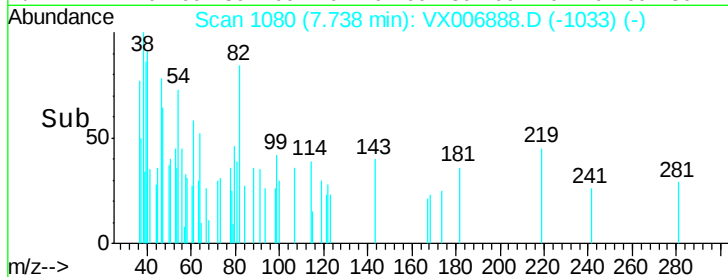
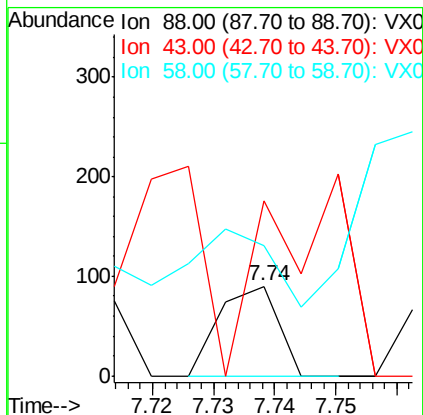
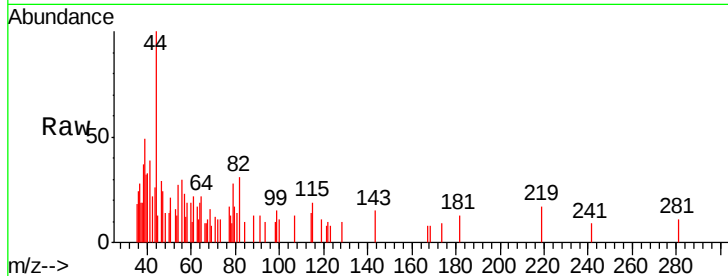




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.74 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VX006888.D
Acq: 03 Jan 2019 12:19

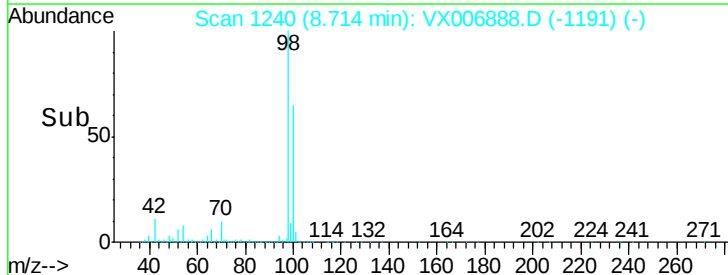
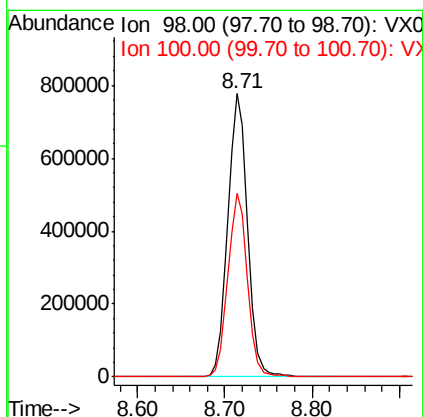
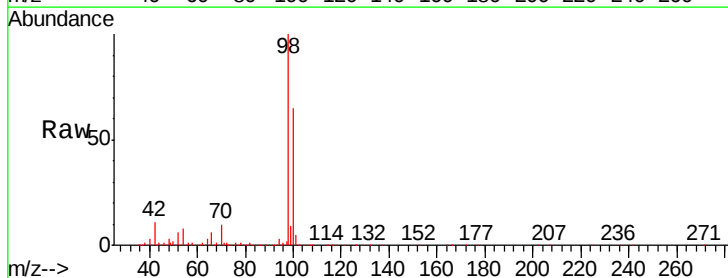
Instrument :
MSVOA_X
ClientSampleId :
TB06_123118

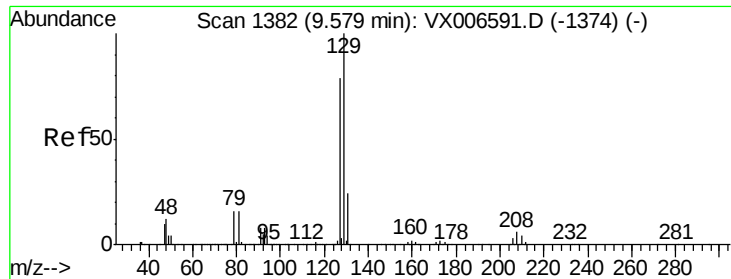
Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 248.3 22.2 33.4#
58 280.0 51.0 76.4#



#50
Toluene-d8
Concen: 49.484 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006888.D
Acq: 03 Jan 2019 12:19

Tgt Ion: 98 Resp: 1215948
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0





#60

Dibromochloromethane

Concen: 2.332 ug/l

RT: 9.57 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VX006888.D

Acq: 03 Jan 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

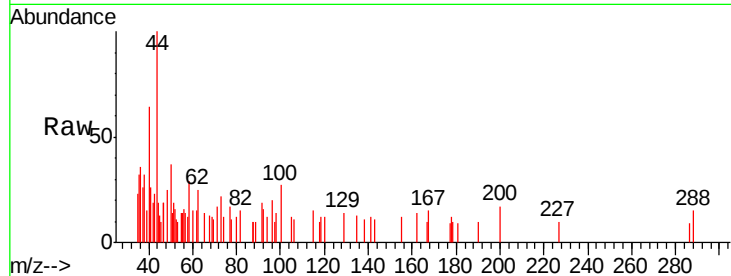
TB06_123118

Tgt Ion:129 Resp: 58

Ion Ratio Lower Upper

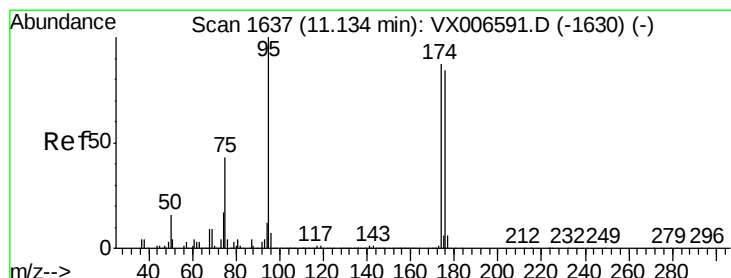
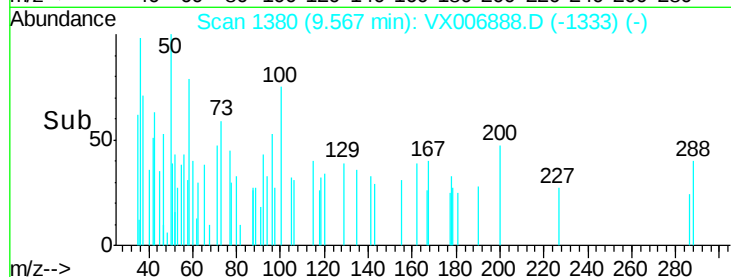
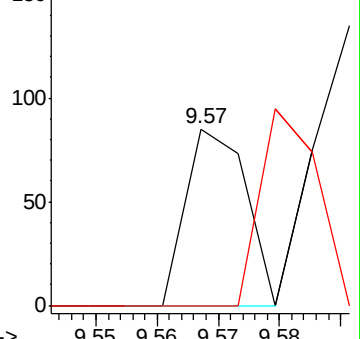
129 100

127 106.9 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: 47.877 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006888.D

Acq: 03 Jan 2019 12:19

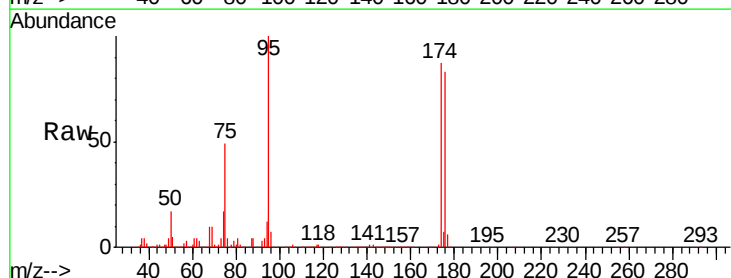
Tgt Ion: 95 Resp: 430868

Ion Ratio Lower Upper

95 100

174 92.7 0.0 182.2

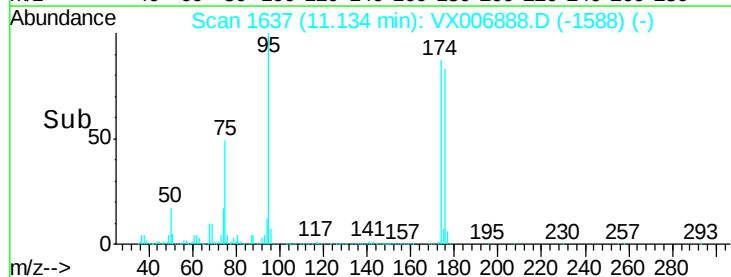
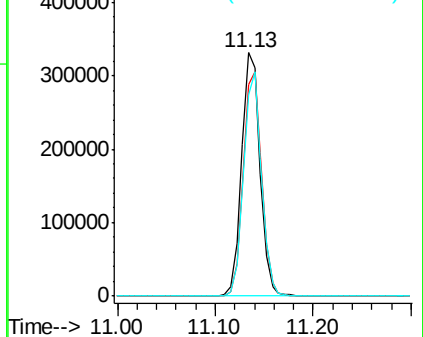
176 90.4 0.0 178.8

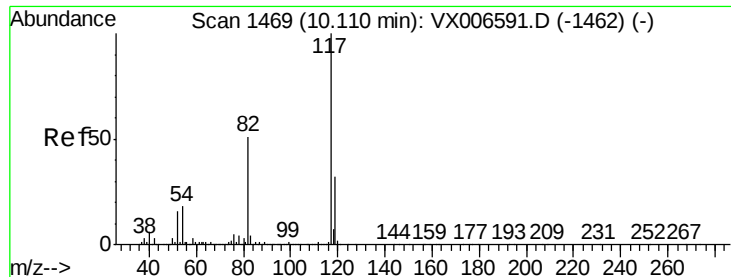


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

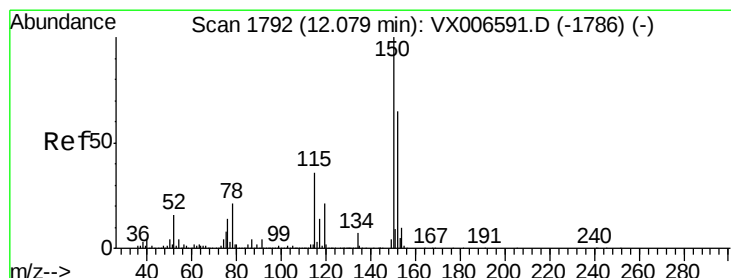
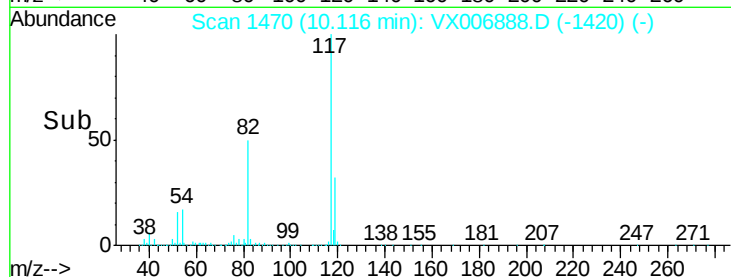
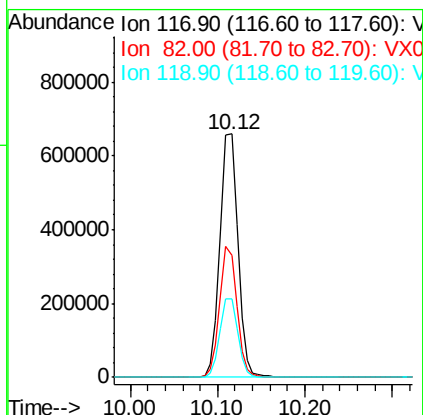
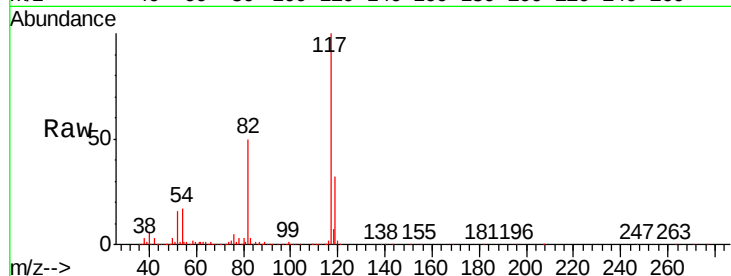




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006888.D
Acq: 03 Jan 2019 12:19

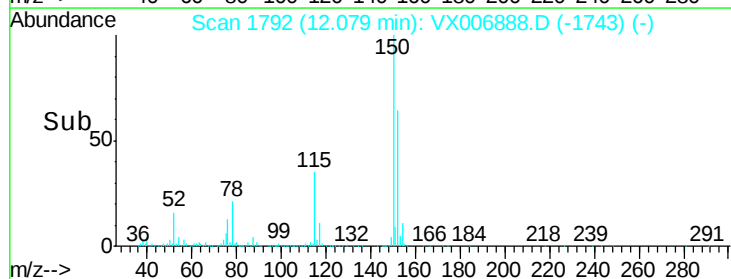
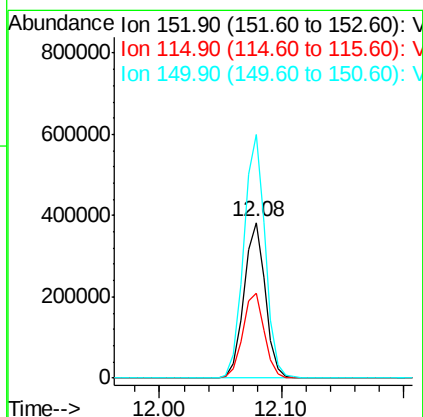
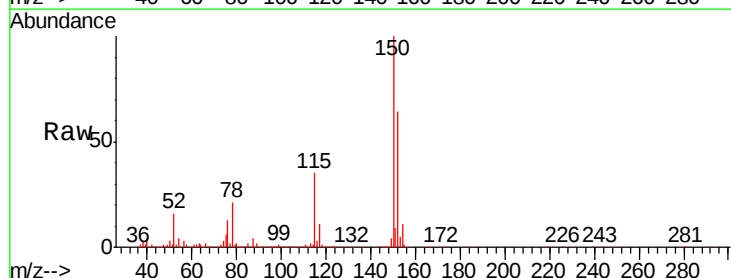
Instrument :
MSVOA_X
ClientSampleId :
TB06_123118

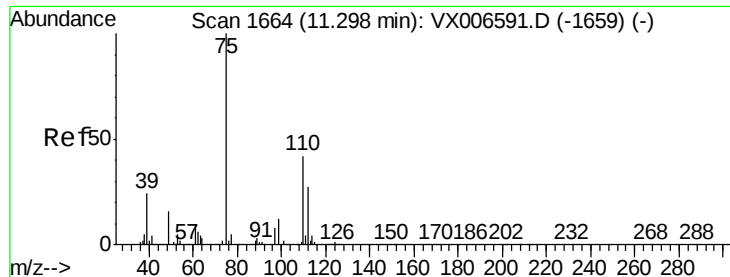
Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.9	41.0	61.6
119	32.2	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006888.D
Acq: 03 Jan 2019 12:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	39.1	117.2
150	157.2	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 24.177 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006888.D

Acq: 03 Jan 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

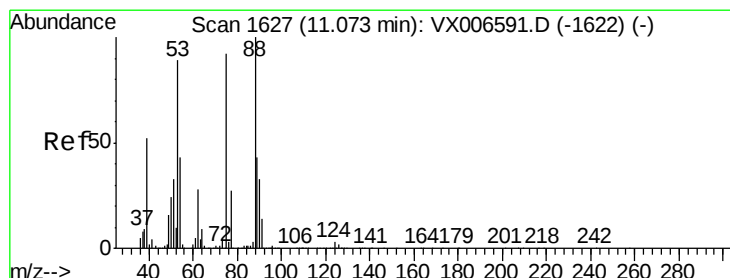
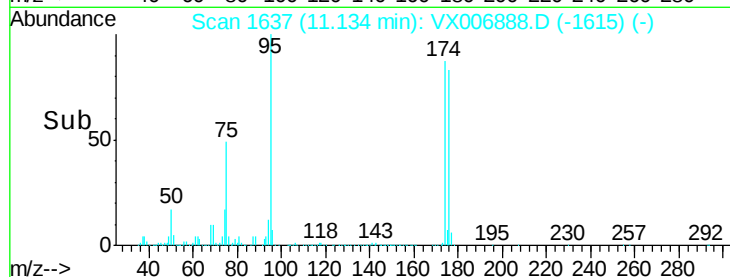
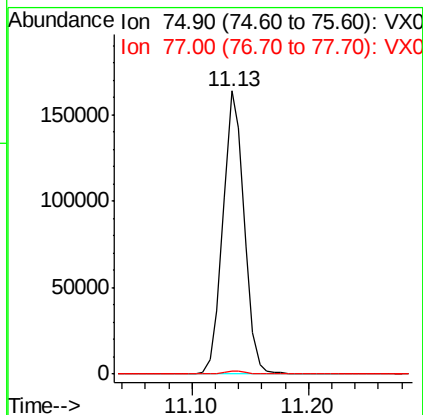
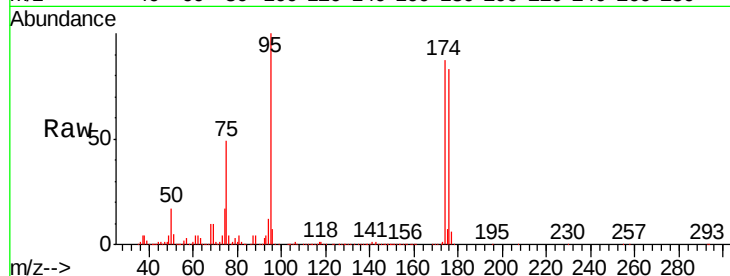
TB06_123118

Tgt Ion: 75 Resp: 205785

Ion Ratio Lower Upper

75 100

77 1.1 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.581 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006888.D

Acq: 03 Jan 2019 12:19

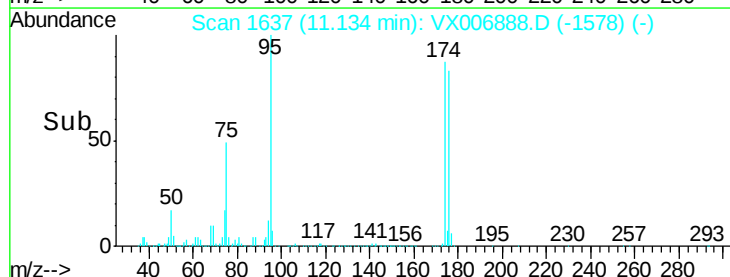
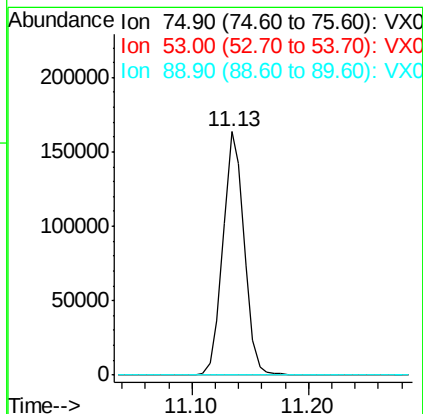
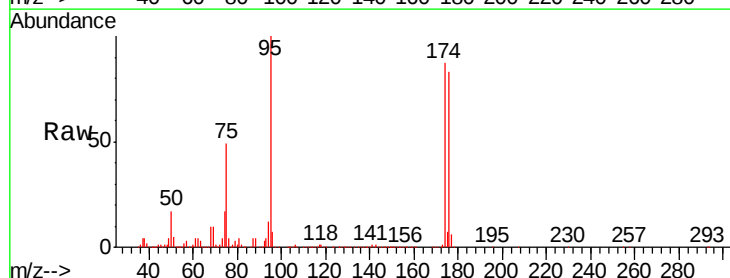
Tgt Ion: 75 Resp: 205785

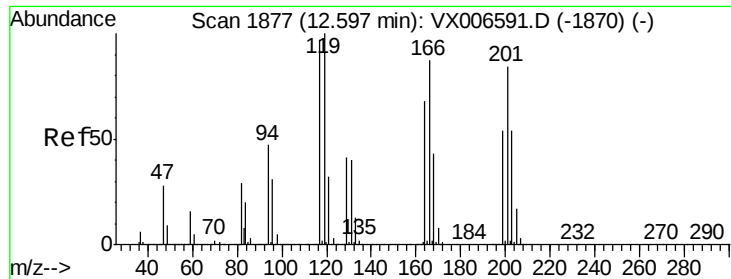
Ion Ratio Lower Upper

75 100

53 0.0 79.7 119.5#

89 0.0 38.0 57.0#





#90

Hexachloroethane

Concen: 3.312 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX006888.D

Acq: 03 Jan 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

TB06_123118

Tgt Ion:117 Resp: 88

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#

