

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
 Data File : VX006666.D
 Acq On : 20 Dec 2018 10:54
 Operator : JC/MD
 Sample : J6492-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 21 03:28:38 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	5.67	168	666443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1032954	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	957841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	456098	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	356312	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
35) Dibromofluoromethane	5.50	113	312145	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	8.71	98	1224790	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
62) 4-Bromofluorobenzene	11.13	95	443193	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	

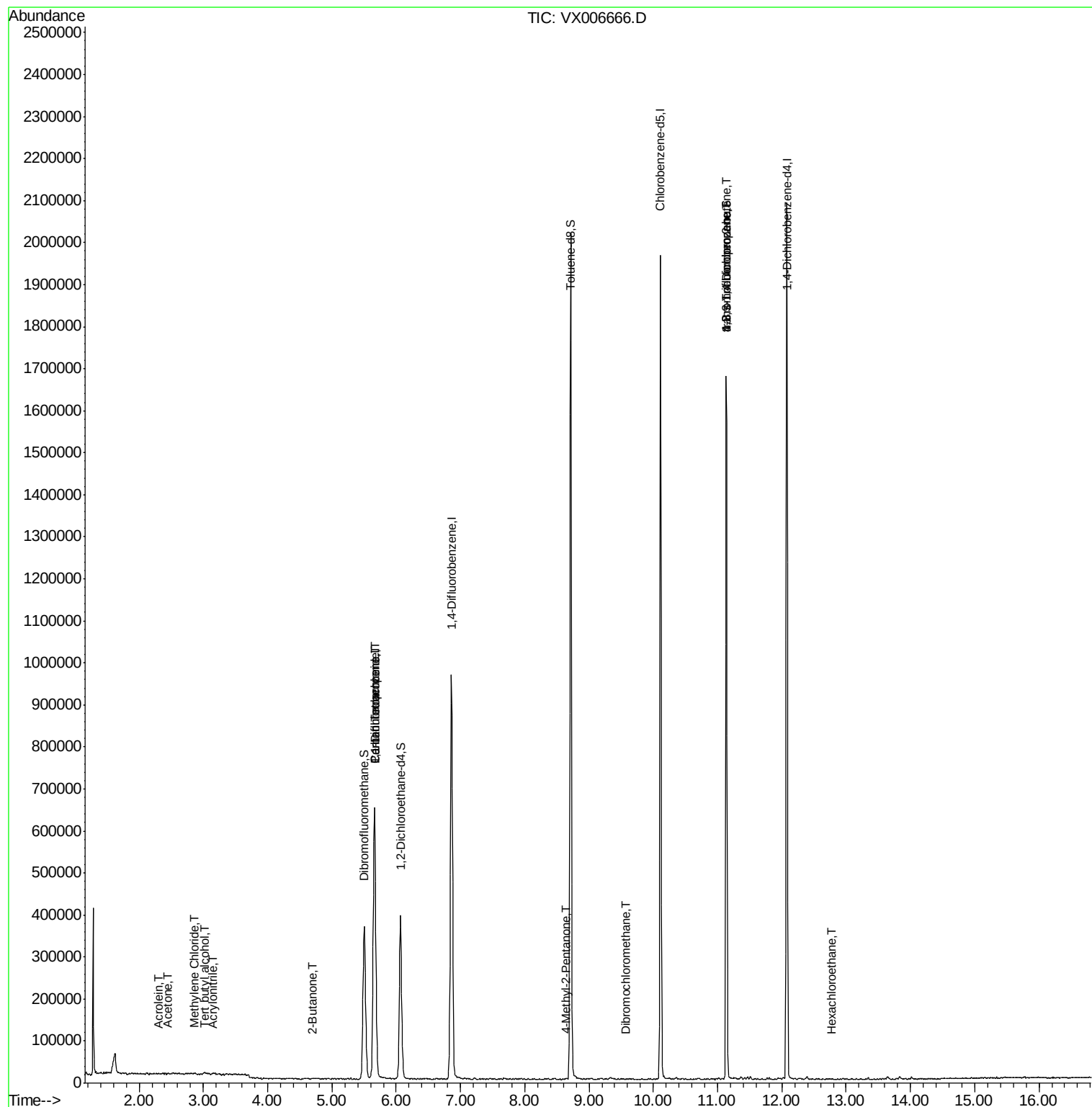
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	2365	Below Cal	#	72
11) Tert butyl alcohol	3.03	59	4338	2.706	ug/l #	86
13) Acrolein	2.30	56	699	0.646	ug/l	99
15) Acrylonitrile	3.15	53	1526	0.429	ug/l #	69
16) Acetone	2.45	43	2000	0.606	ug/l #	74
20) Methylene Chloride	2.86	84	1677	0.246	ug/l #	66
25) 2-Butanone	4.70	43	1437	0.310	ug/l #	47
28) Bromochloromethane	5.02	49	91	Below Cal	#	4
36) 1,1-Dichloropropene	5.67	75	42934	5.018	ug/l #	49
38) Carbon Tetrachloride	5.66	117	62287	7.492	ug/l #	13
49) 1,4-Dioxane	7.73	88	161	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.65	43	1765	0.205	ug/l #	83
60) Dibromochloromethane	9.58	129	275	2.361	ug/l	80
76) 1,2,3-Trichloropropane	11.13	75	204957	24.180	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	204957	71.591	ug/l #	10
90) Hexachloroethane	12.78	117	52	3.304	ug/l	76

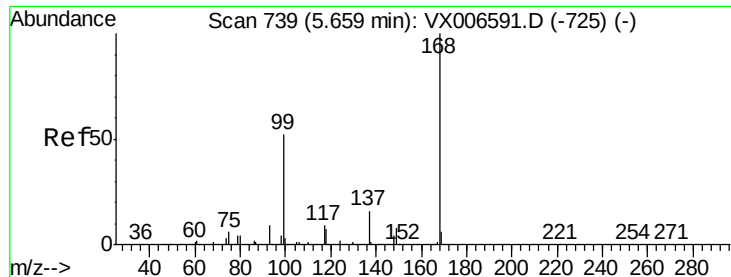
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006666.D

Acq: 20 Dec 2018 10:54

Instrument :

MSVOA_X

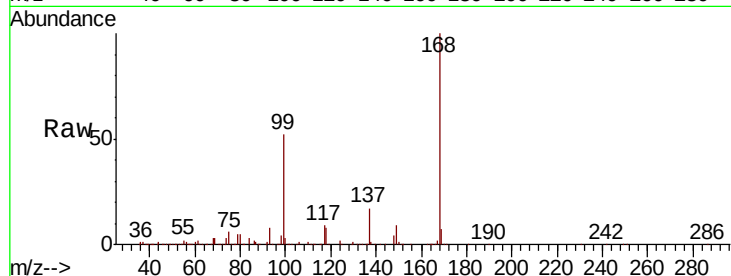
ClientSampleId :

Tot Ion:168 Resp: 666443

Ion Ratio Lower Upper

168 100

99 51.9 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

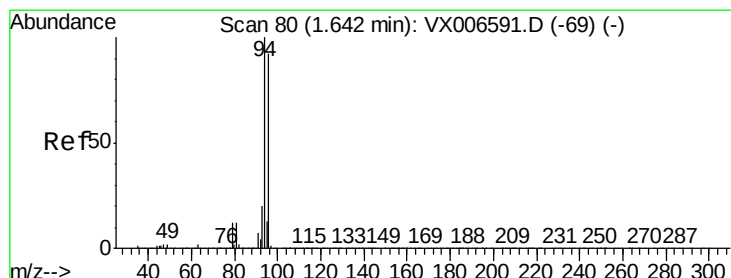
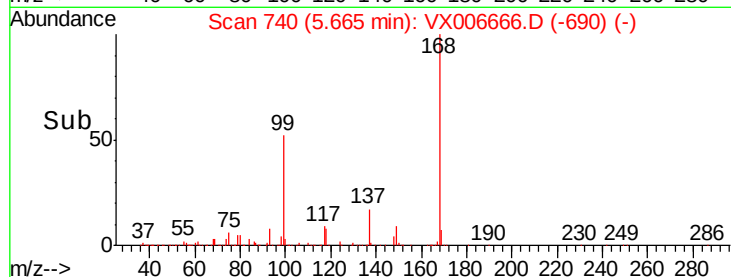
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006666.D

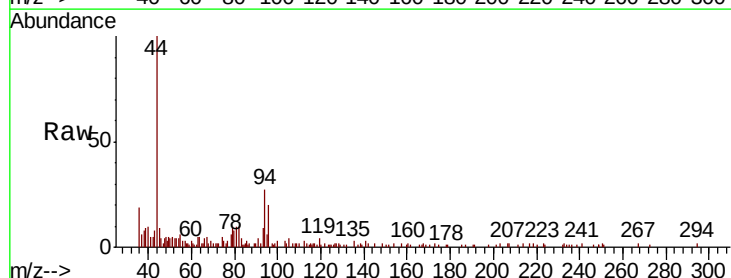
Acq: 20 Dec 2018 10:54

Tgt Ion: 94 Resp: 2365

Ion Ratio Lower Upper

94 100

96 64.8 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

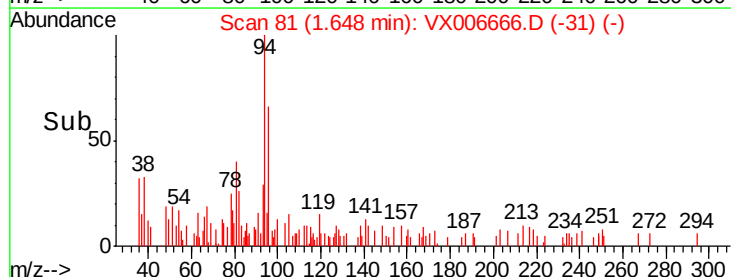
1500

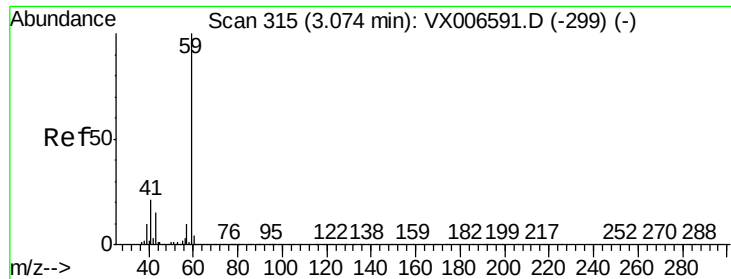
1000

500

0

Time--> 1.60 1.65



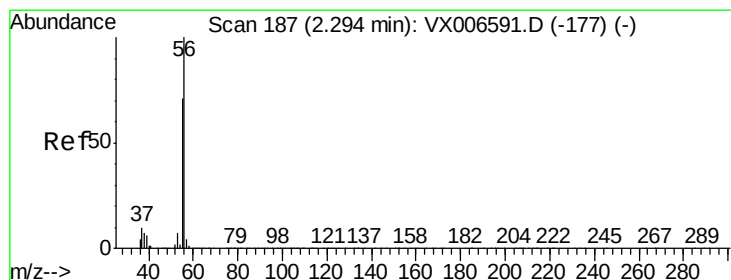
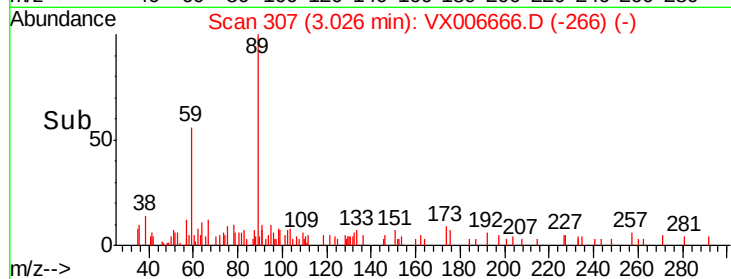
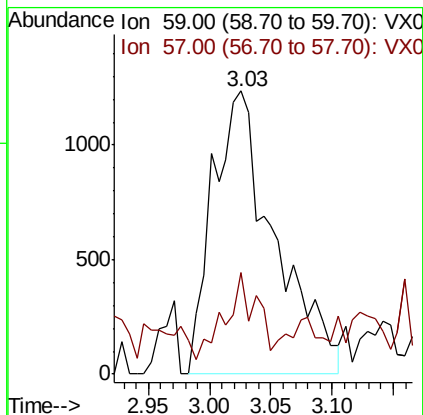
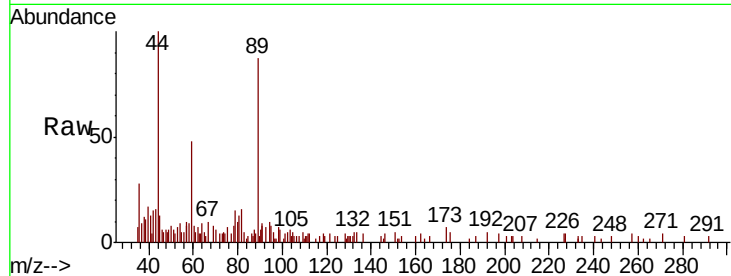


#11

Tert butyl alcohol
Concen: 2.706 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX006666.D
Acq: 20 Dec 2018 10:54

Instrument :
MSVOA_X
ClientSampled :

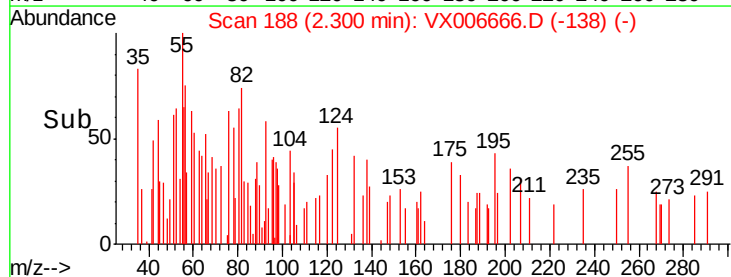
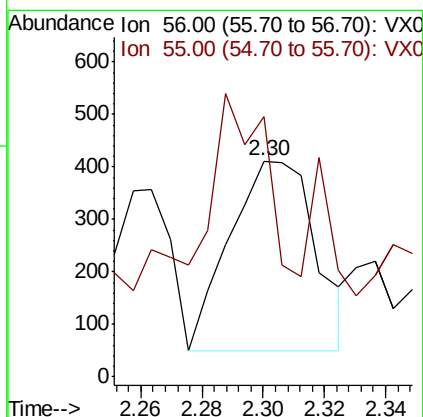
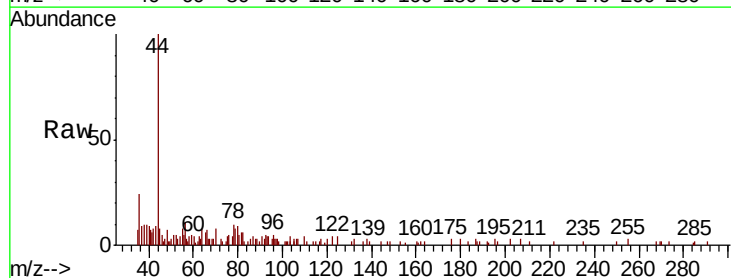
Tot Ion: 59 Resp: 4338
Ion Ratio Lower Upper
59 100
57 15.8 8.5 12.7#

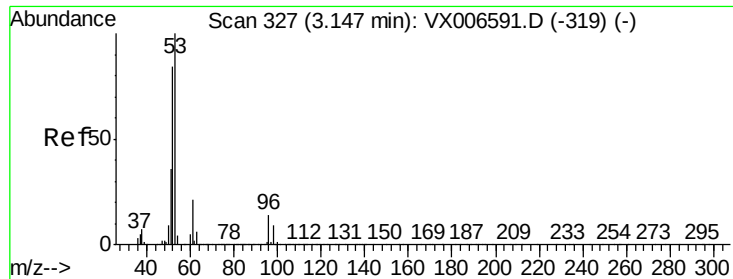


#13

Acrolein
Concen: 0.646 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX006666.D
Acq: 20 Dec 2018 10:54

Tgt Ion: 56 Resp: 699
Ion Ratio Lower Upper
56 100
55 72.2 58.2 87.4





#15

Acrylonitrile

Concen: 0.429 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX006666.D

Acq: 20 Dec 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

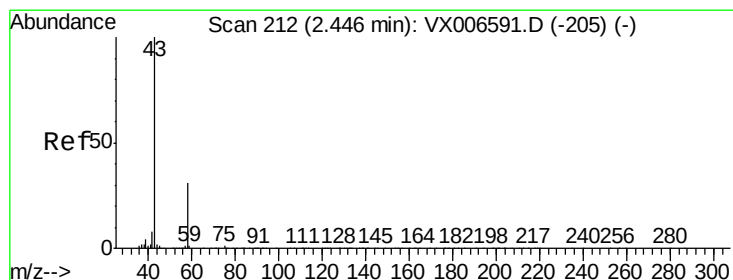
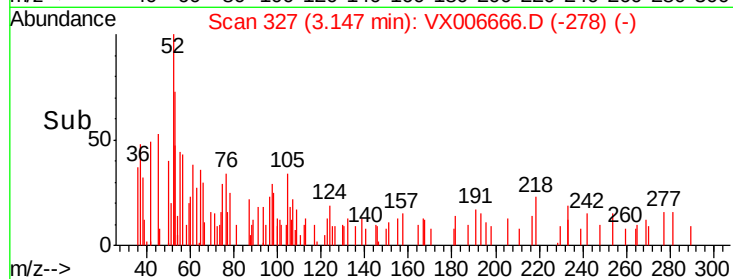
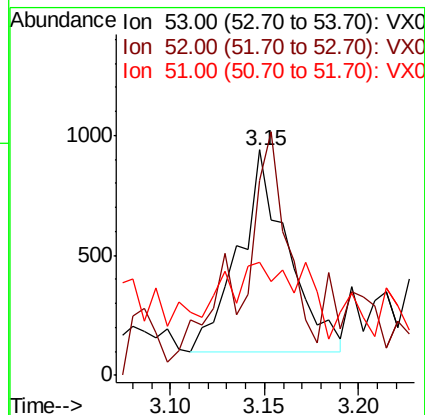
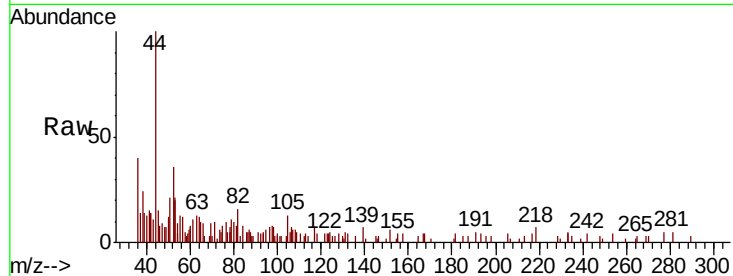
Tot Ion: 53 Resp: 1526

Ion Ratio Lower Upper

53 100

52 106.8 66.0 99.0#

51 59.5 28.6 42.8#



#16

Acetone

Concen: 0.606 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006666.D

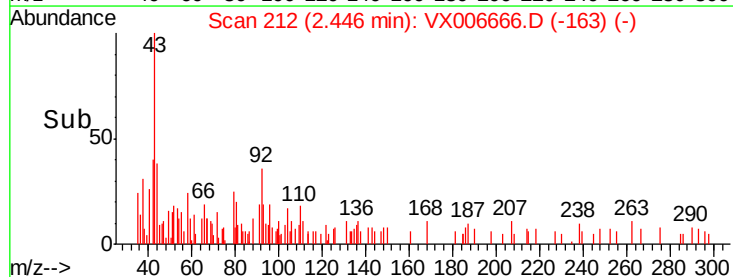
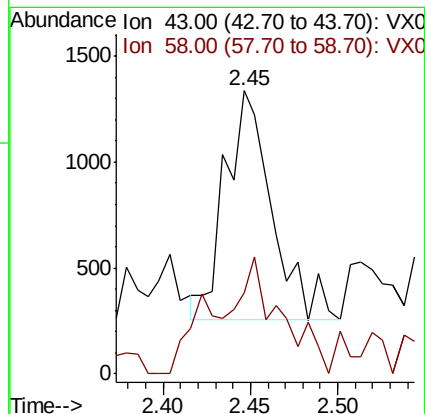
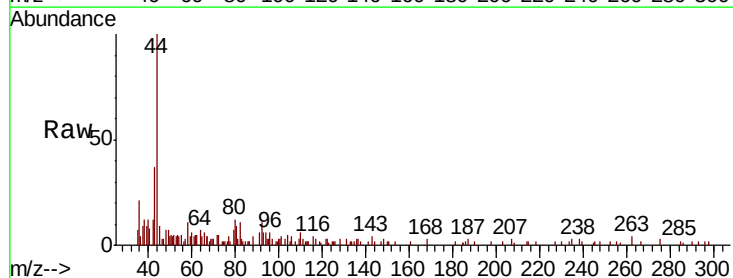
Acq: 20 Dec 2018 10:54

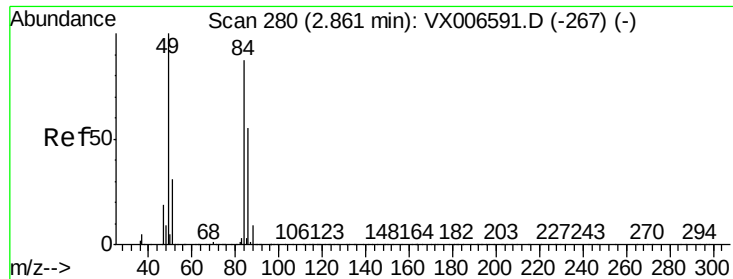
Tgt Ion: 43 Resp: 2000

Ion Ratio Lower Upper

43 100

58 17.0 25.0 37.6#

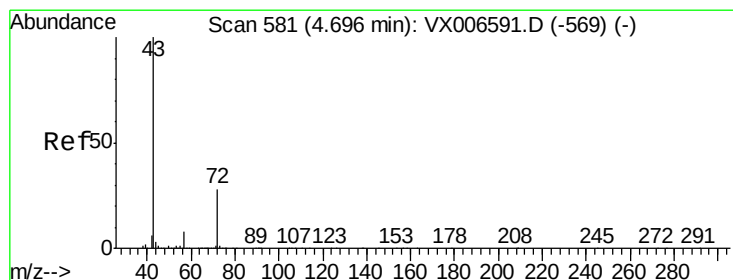
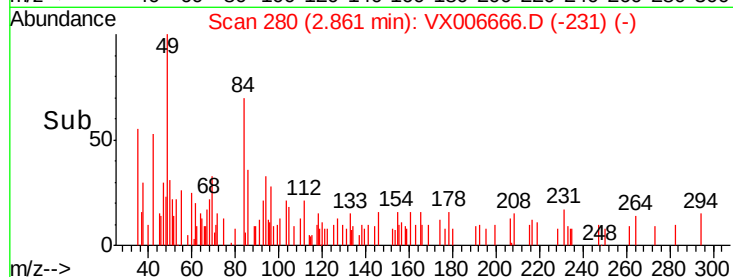
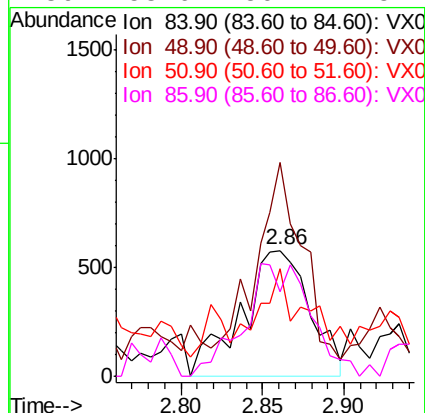
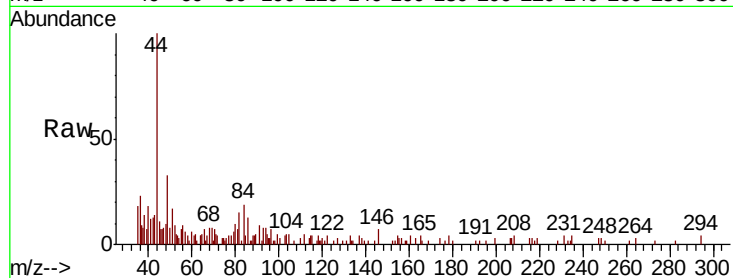




#20
Methylene Chloride
Concen: 0.246 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006666.D
Acq: 20 Dec 2018 10:54

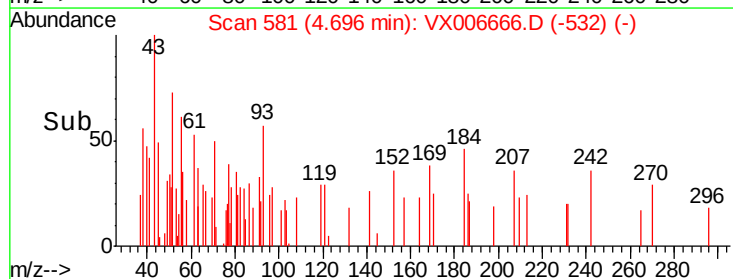
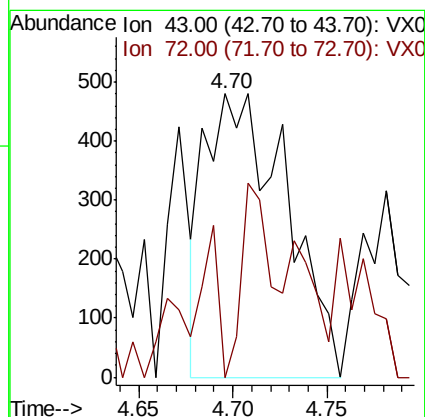
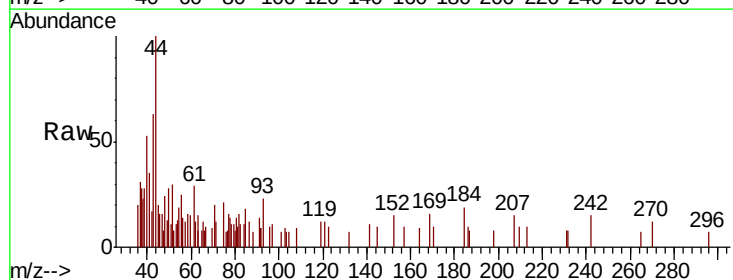
Instrument :
MSVOA_X
ClientSampled :

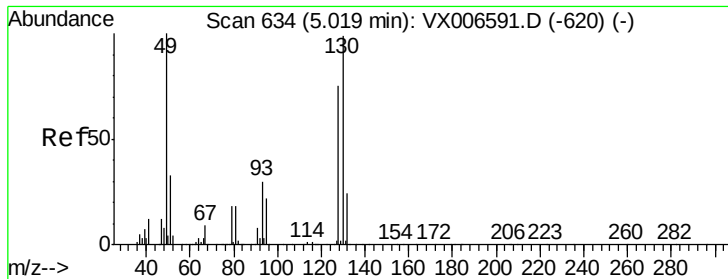
Tot Ion: 84 Resp: 1677
Ion Ratio Lower Upper
84 100
49 156.2 91.8 137.6#
51 70.6 28.5 42.7#
86 53.6 50.2 75.2



#25
2-Butanone
Concen: 0.310 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.00 min
Lab File: VX006666.D
Acq: 20 Dec 2018 10:54

Tgt Ion: 43 Resp: 1437
Ion Ratio Lower Upper
43 100
72 0.0 22.4 33.6#



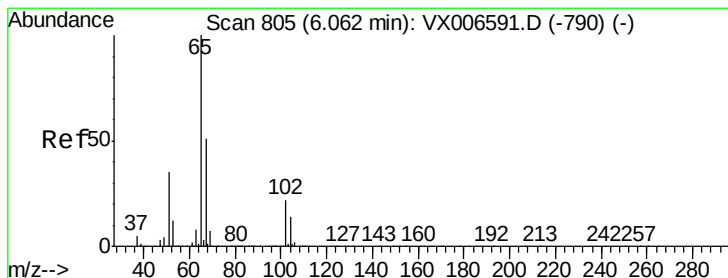
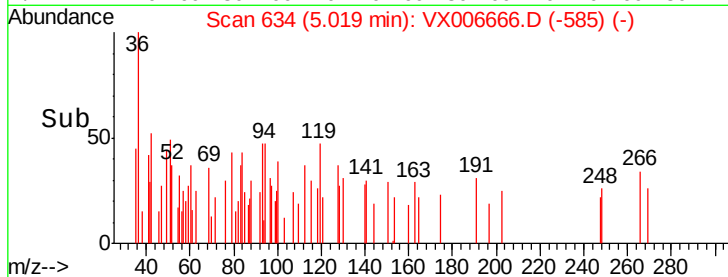
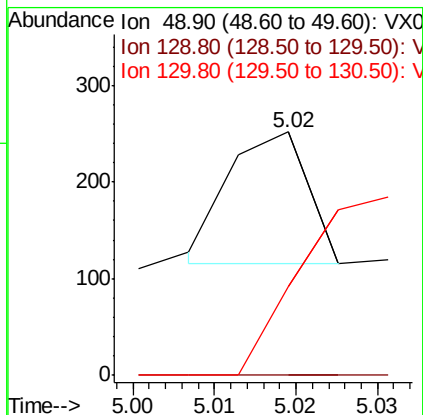
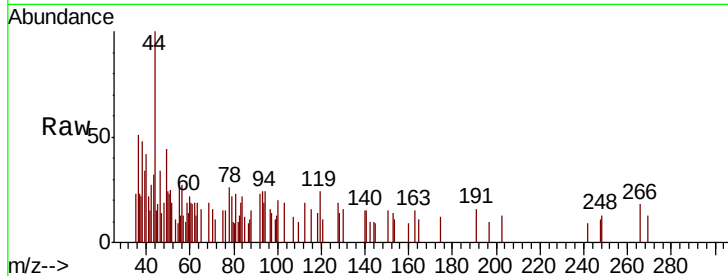


#28

Bromochloromethane
 Concen: Below Cal
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX006666.D
 Acq: 20 Dec 2018 10:54

Instrument :
 MSVOA_X
 ClientSampled :

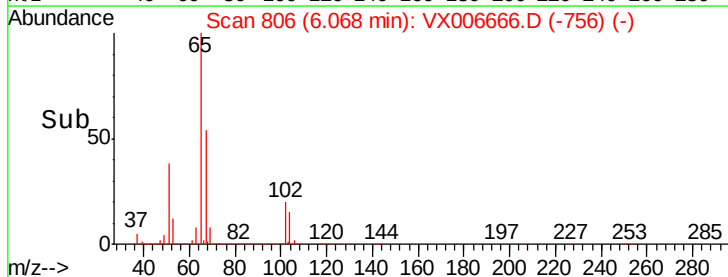
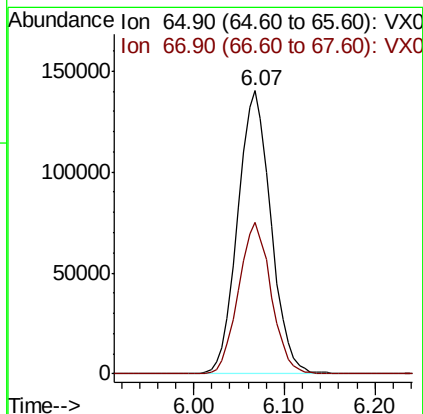
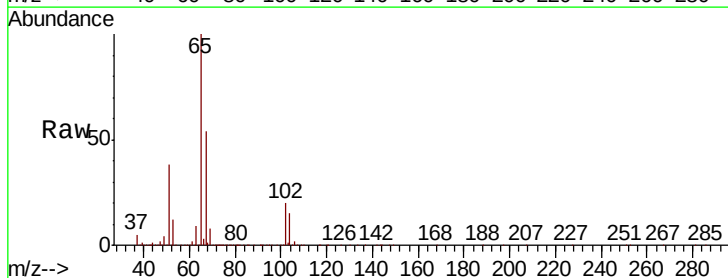
Tot Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.4
130	0.0	77.7	116.5#

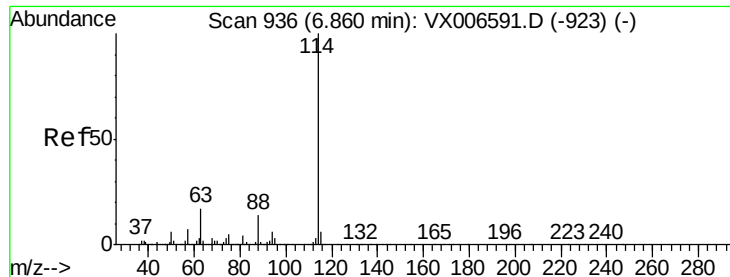


#33

1,2-Dichloroethane-d4
 Concen: 49.607 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006666.D
 Acq: 20 Dec 2018 10:54

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	105.0



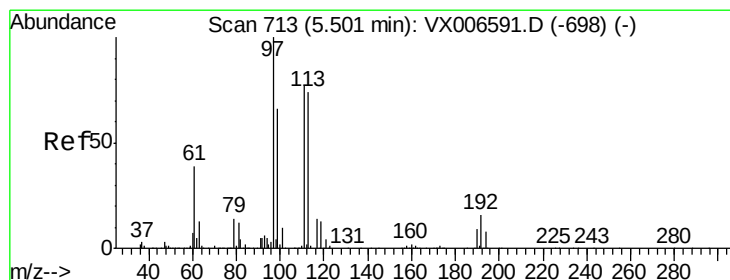
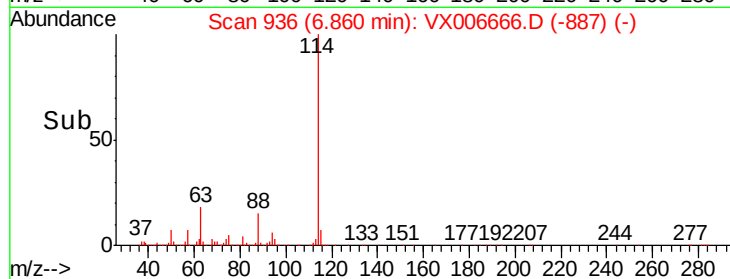
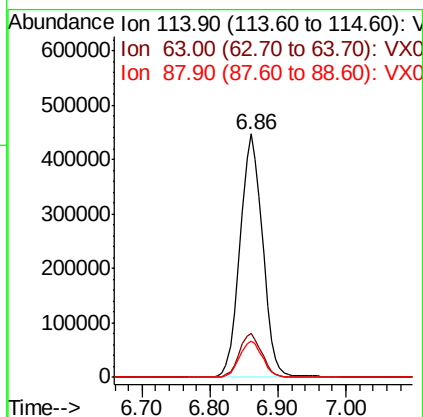
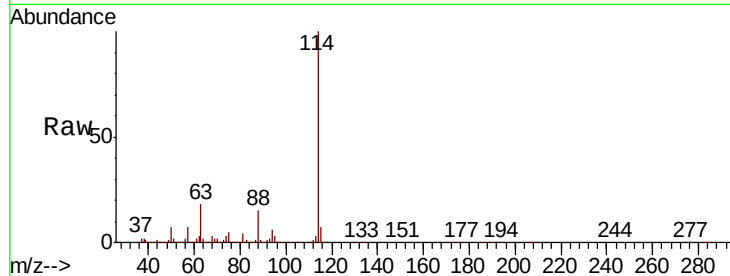


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006666.D
 Acq: 20 Dec 2018 10:54

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 1032954

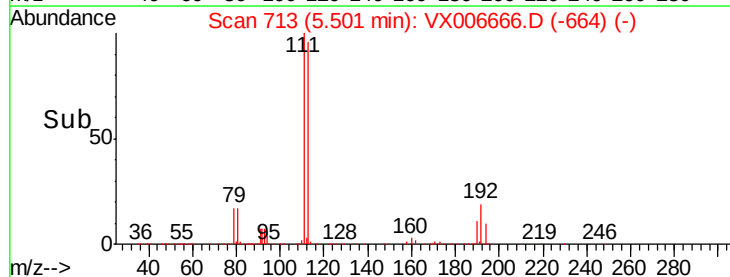
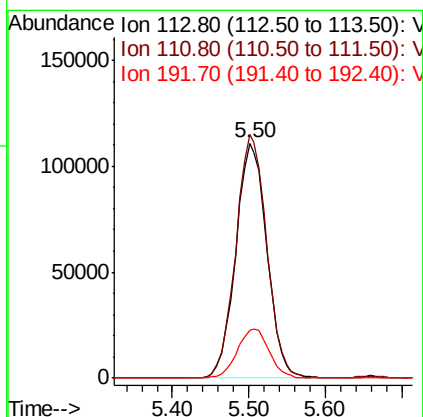
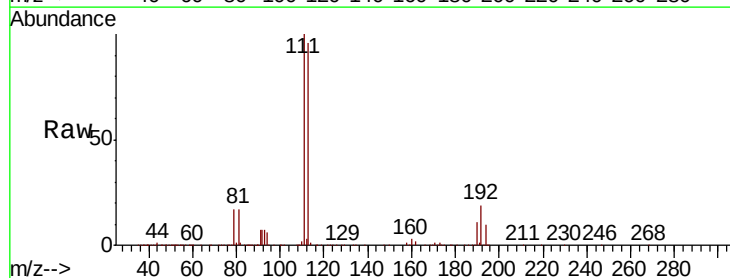
Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	34.8
88	14.7	0.0	28.8

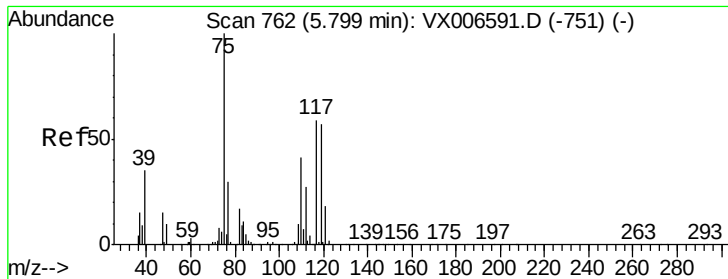


#35
 Dibromofluoromethane
 Concen: 47.786 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX006666.D
 Acq: 20 Dec 2018 10:54

Tgt Ion:113 Resp: 312145

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.6	122.4
192	21.6	16.7	25.1





#36

1,1-Dichloropropene

Concen: 5.018 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006666.D

Acq: 20 Dec 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

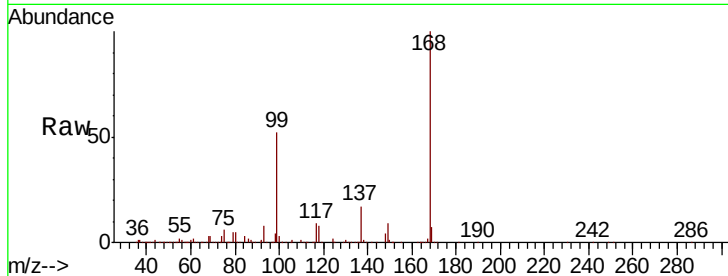
Tot Ion: 75 Resp: 42934

Ion Ratio Lower Upper

75 100

110 11.4 20.2 60.5#

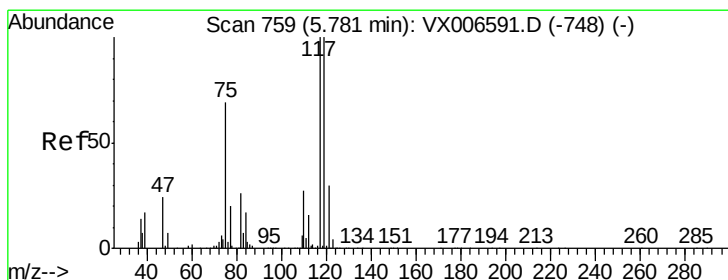
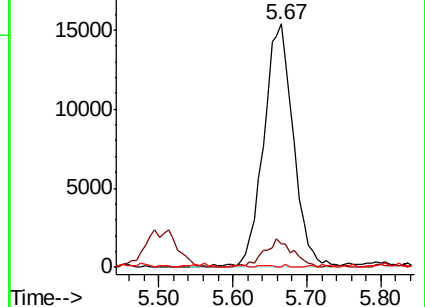
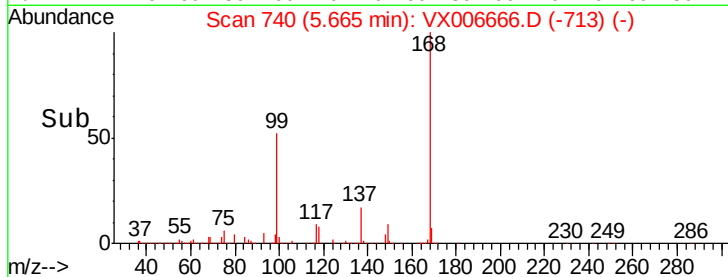
77 0.2 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX006666.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX006666.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX006666.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 7.492 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006666.D

Acq: 20 Dec 2018 10:54

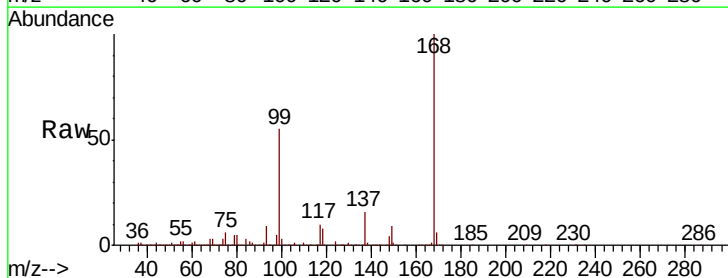
Tgt Ion: 117 Resp: 62287

Ion Ratio Lower Upper

117 100

119 3.4 79.4 119.2#

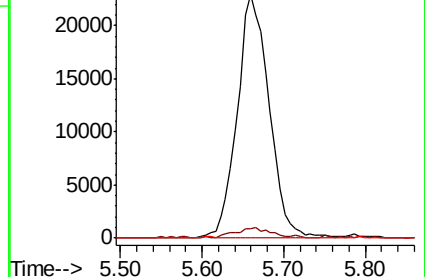
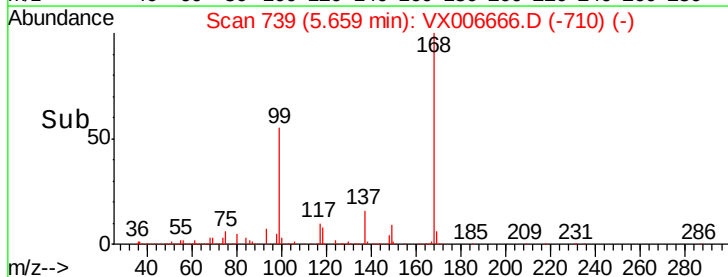
121 0.0 24.0 36.0#

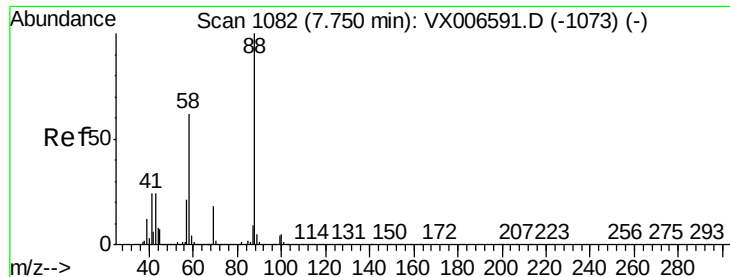


Abundance Ion 116.80 (116.50 to 117.50): VX006666.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX006666.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX006666.D (-710) (-)

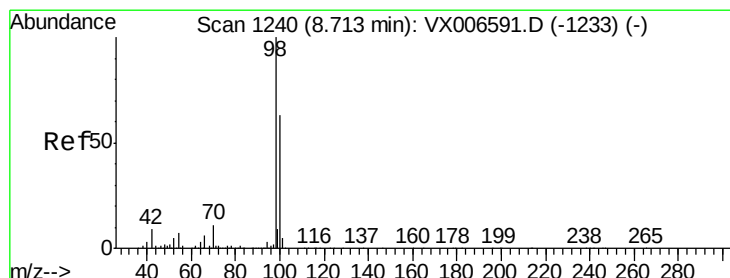
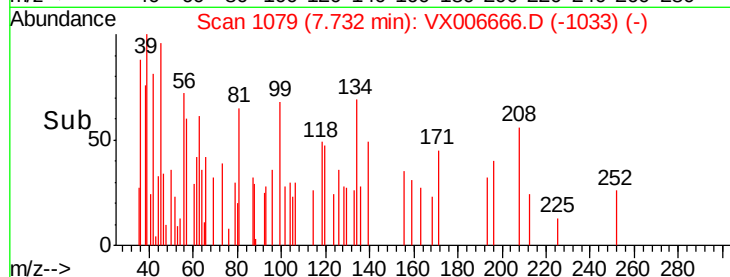
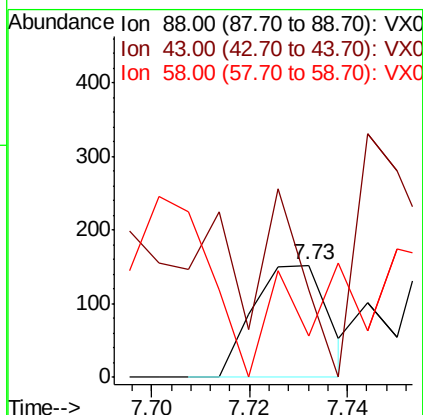
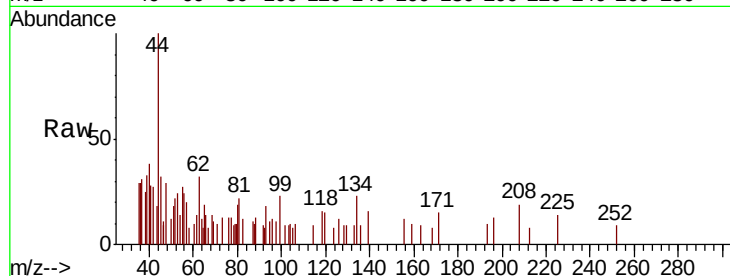




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.73 min Scan# 1079
Delta R.T. -0.02 min
Lab File: VX006666.D
Acq: 20 Dec 2018 10:54

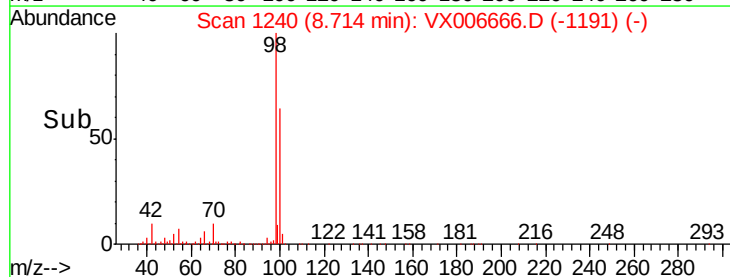
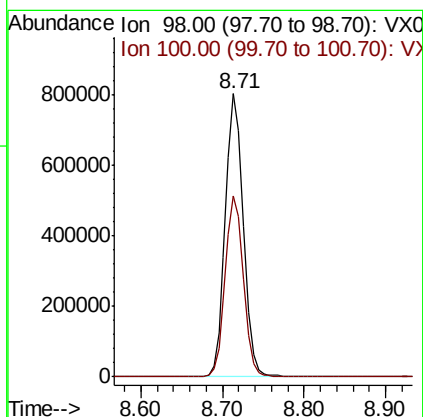
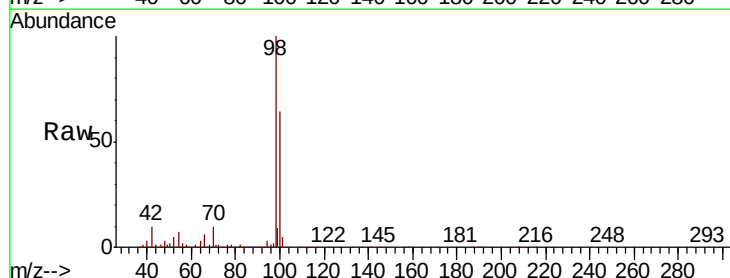
Instrument :
MSVOA_X
ClientSampleId :

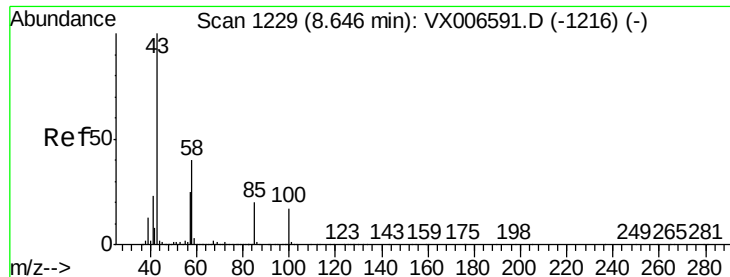
Tot Ion: 88 Resp: 161
Ion Ratio Lower Upper
88 100
43 182.0 22.2 33.4#
58 234.2 51.0 76.4#



#50
Toluene-d8
Concen: 49.734 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006666.D
Acq: 20 Dec 2018 10:54

Tgt Ion: 98 Resp: 1224790
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0

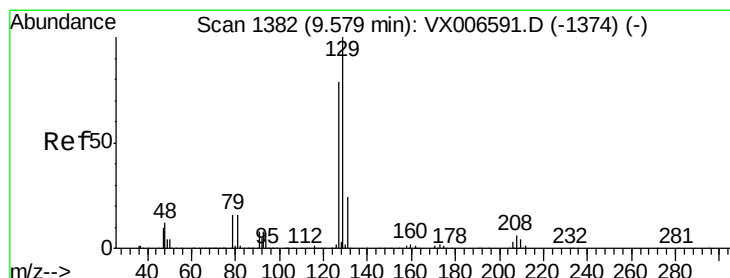
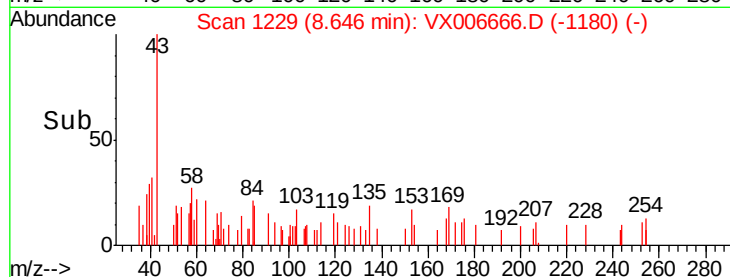
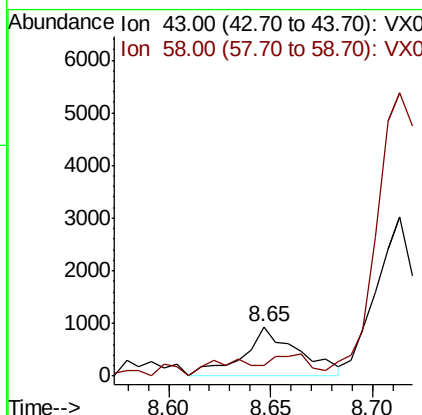
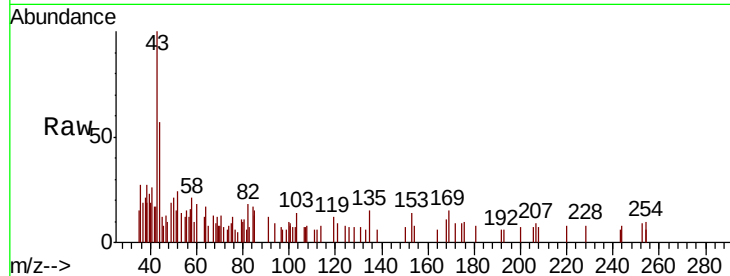




#51
4-Methyl-2-Pentanone
Concen: 0.205 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX006666.D
Acq: 20 Dec 2018 10:54

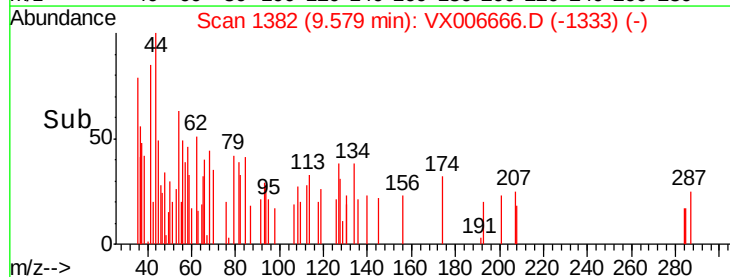
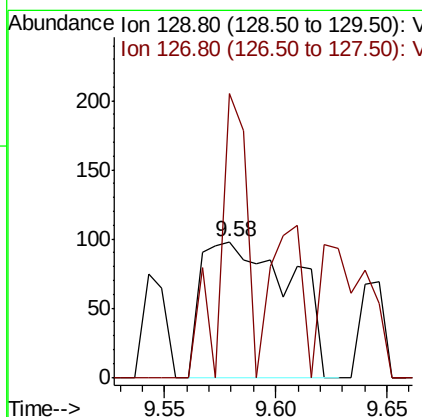
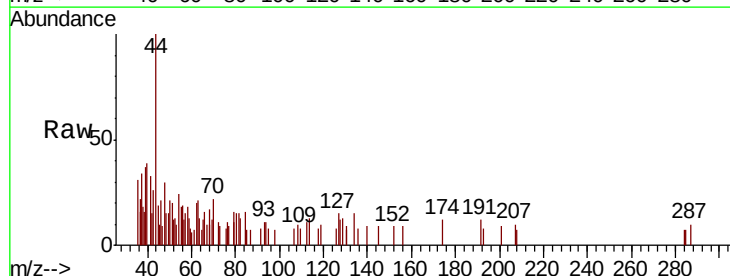
Instrument :
MSVOA_X
ClientSampleId :

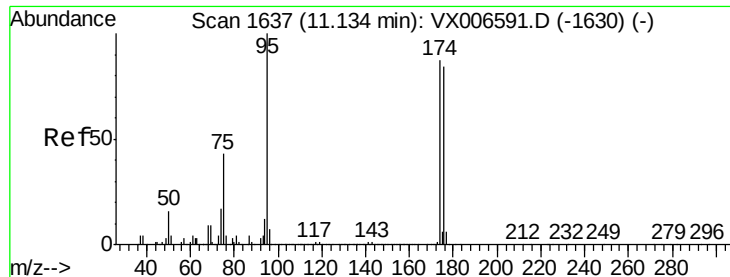
Tot Ion: 43 Resp: 1765
Ion Ratio Lower Upper
43 100
58 29.5 31.8 47.6#



#60
Dibromochloromethane
Concen: 2.361 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX006666.D
Acq: 20 Dec 2018 10:54

Tgt Ion: 129 Resp: 275
Ion Ratio Lower Upper
129 100
127 61.5 39.3 117.8

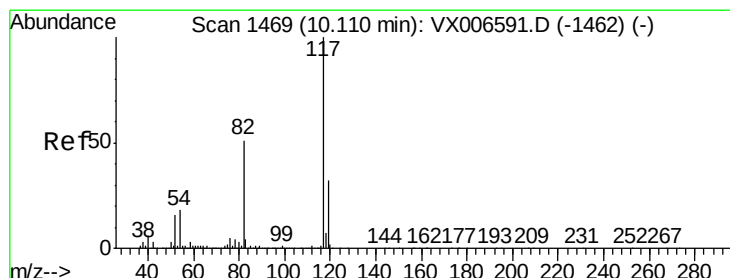
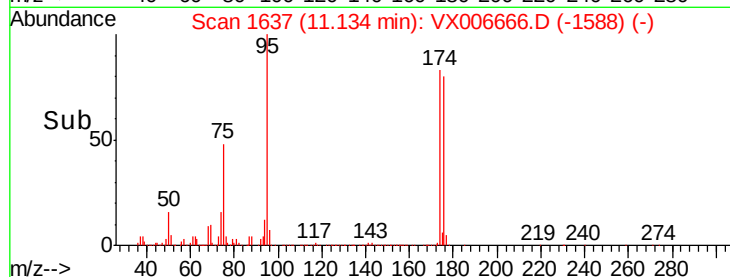
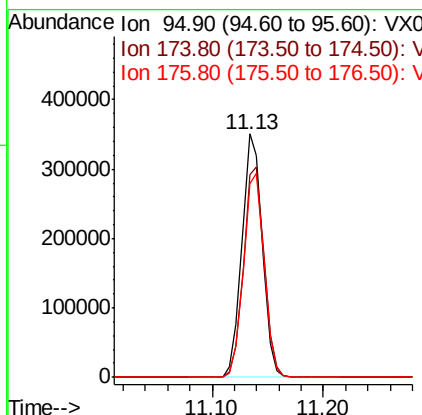
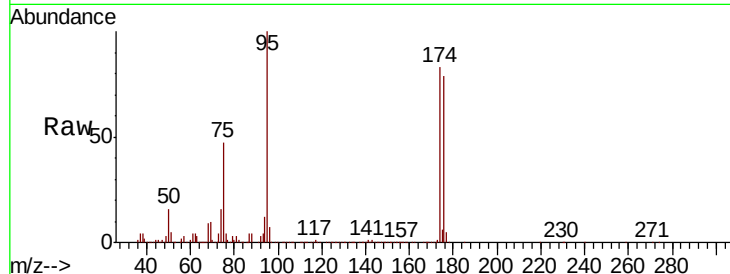




#62
4-Bromofluorobenzene
Concen: 49.138 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX006666.D
Acq: 20 Dec 2018 10:54

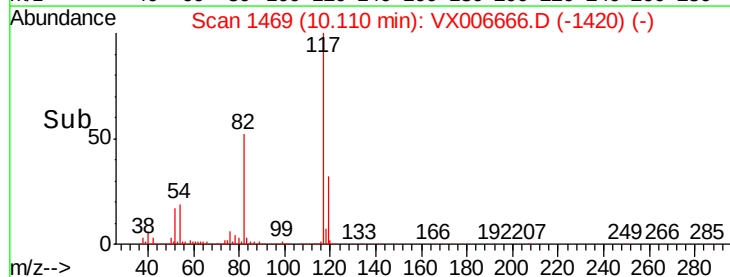
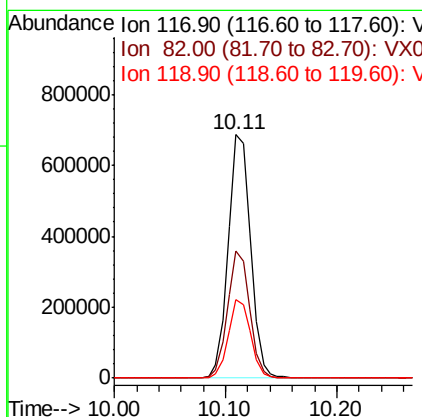
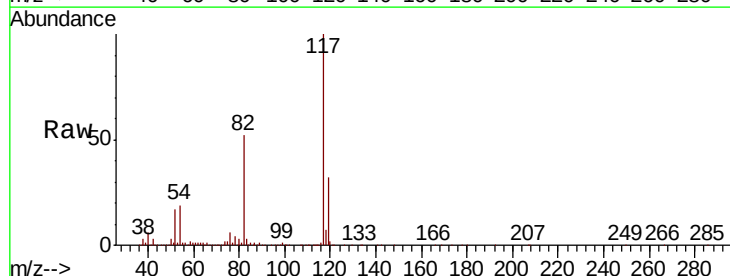
Instrument :
MSVOA_X
ClientSampleId :

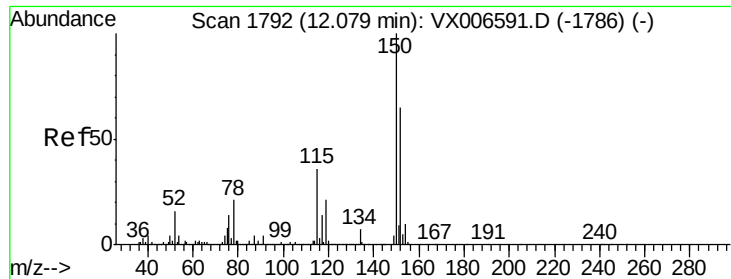
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.3	0.0	182.2
176	85.4	0.0	178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX006666.D
Acq: 20 Dec 2018 10:54

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.0	61.6
119	32.2	25.4	38.0



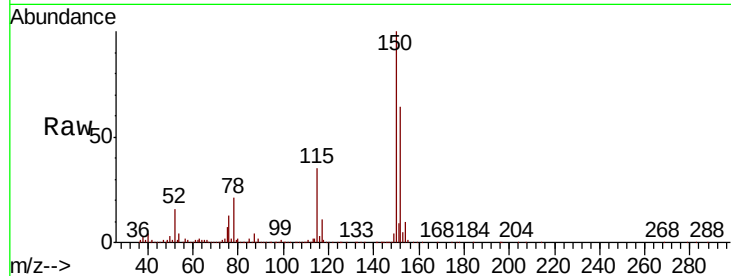


#72

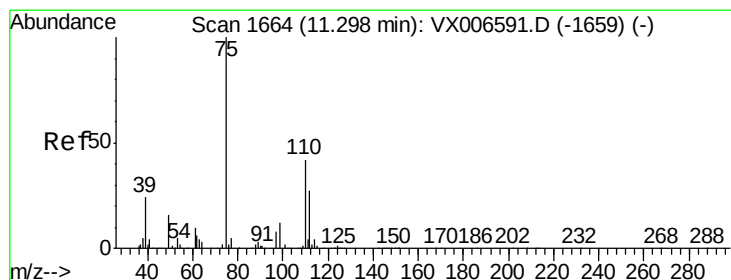
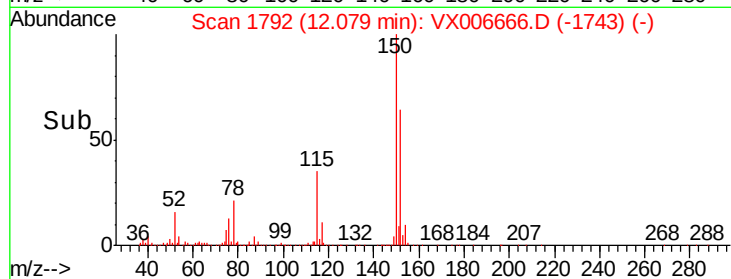
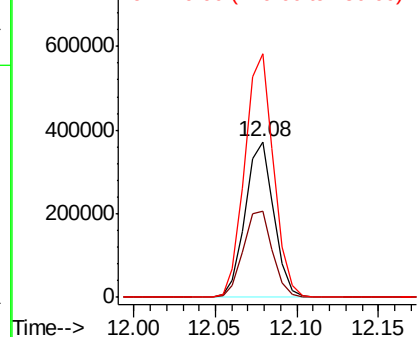
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006666.D
Acq: 20 Dec 2018 10:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.8	39.1	117.2
150	157.6	0.0	344.8



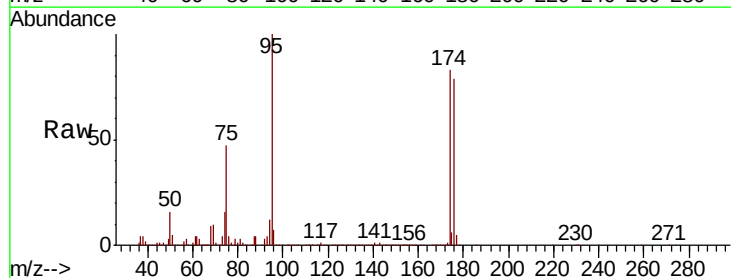
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



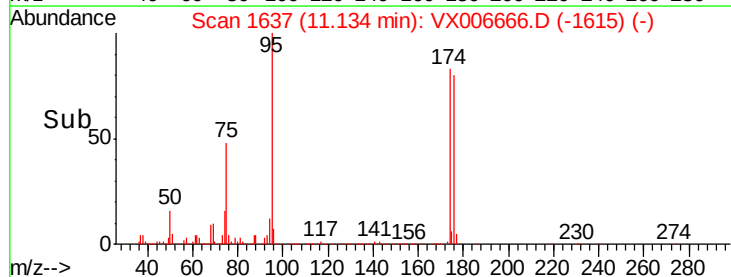
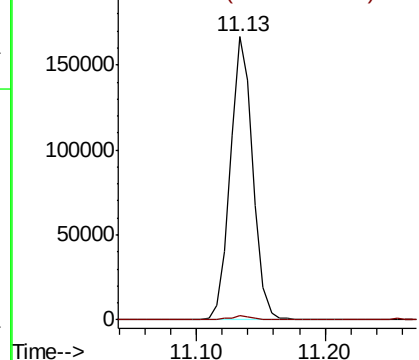
#76

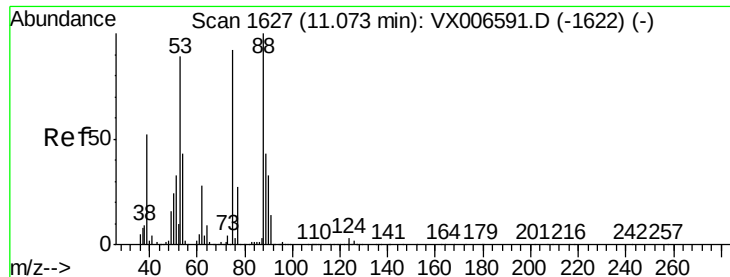
1,2,3-Trichloropropane
Concen: 24.180 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006666.D
Acq: 20 Dec 2018 10:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	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: 71.591 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006666.D

Acq: 20 Dec 2018 10:54

Instrument :

MSVOA_X

ClientSampleId :

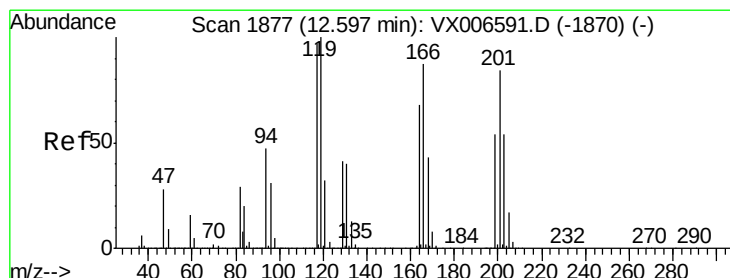
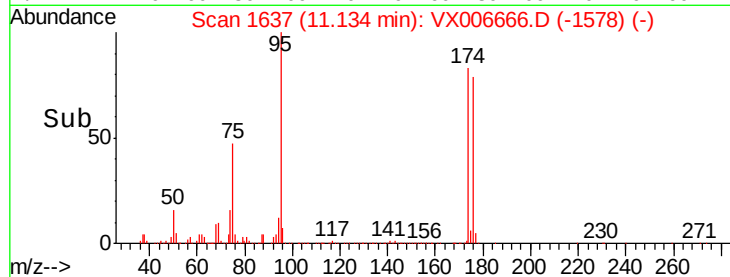
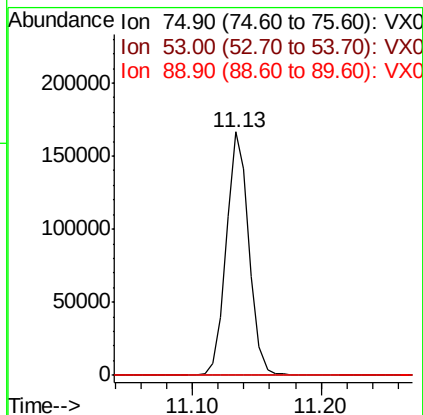
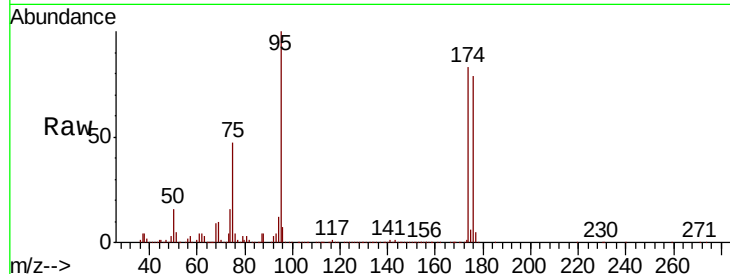
Tot Ion: 75 Resp: 204957

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

89 0.1 38.0 57.0#



#90

Hexachloroethane

Concen: 3.304 ug/l

RT: 12.78 min Scan# 1907

Delta R.T. 0.18 min

Lab File: VX006666.D

Acq: 20 Dec 2018 10:54

Tgt Ion: 117 Resp: 52

Ion Ratio Lower Upper

117 100

201 63.5 42.9 128.7

