

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
 Data File : VX006678.D
 Acq On : 20 Dec 2018 16:14
 Operator : JC/MD
 Sample : J6484-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 21 03:32:16 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	639564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1000109	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	930145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	439539	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	349316	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
35) Dibromofluoromethane	5.51	113	297186	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
50) Toluene-d8	8.71	98	1196293	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	11.13	95	428505	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	

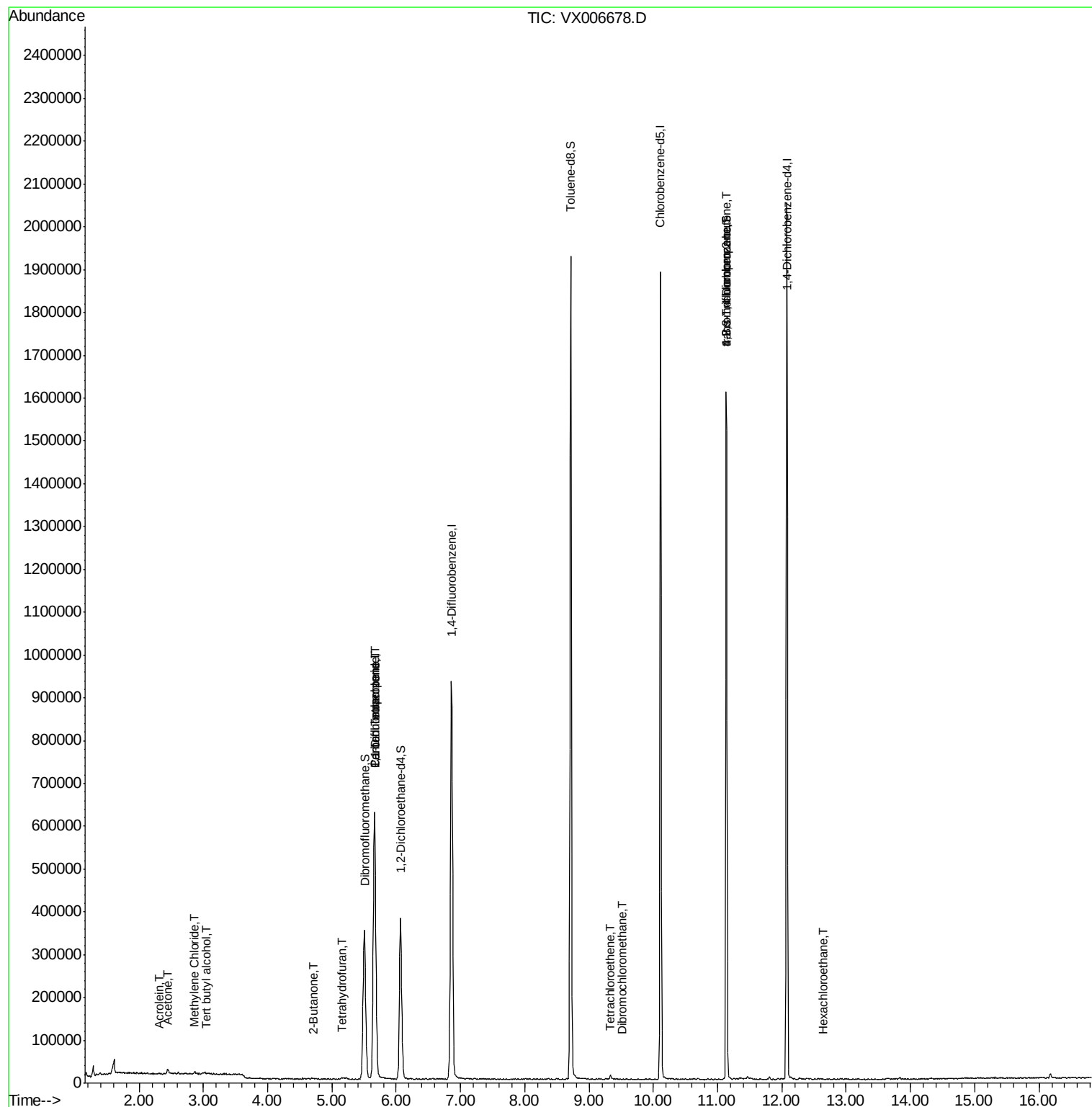
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	793	Below Cal	#	72
11) Tert butyl alcohol	3.06	59	2377	1.545	ug/l #	79
13) Acrolein	2.32	56	441	0.425	ug/l #	77
16) Acetone	2.45	43	12906	4.075	ug/l	94
20) Methylene Chloride	2.86	84	2125	0.325	ug/l #	71
25) 2-Butanone	4.71	43	2513	0.564	ug/l	98
28) Bromochloromethane	5.01	49	185	Below Cal	#	20
29) Tetrahydrofuran	5.16	42	1704	0.581	ug/l #	77
36) 1,1-Dichloropropene	5.66	75	43623	5.266	ug/l #	49
38) Carbon Tetrachloride	5.66	117	61351	7.621	ug/l #	13
49) 1,4-Dioxane	7.76	88	173	Below Cal	#	79
60) Dibromochloromethane	9.52	129	198	2.351	ug/l #	10
64) Tetrachloroethene	9.34	164	1629	0.221	ug/l	87
76) 1,2,3-Trichloropropane	11.13	75	197818	24.217	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	197818	71.694	ug/l #	10
90) Hexachloroethane	12.63	117	119	3.320	ug/l	54

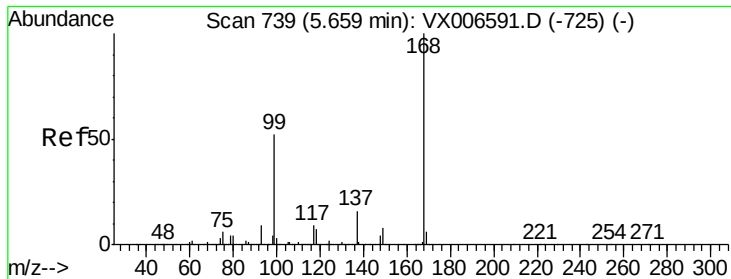
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006678.D

Acq: 20 Dec 2018 16:14

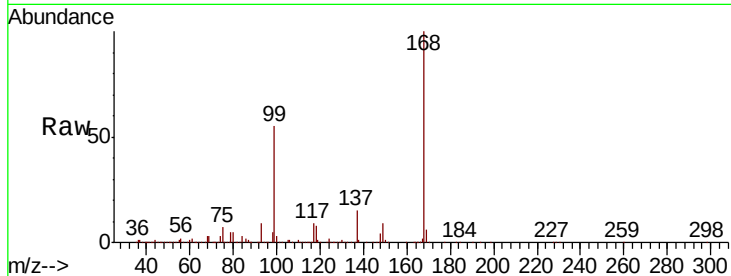
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 639564

Ion Ratio Lower Upper

168 100

99 54.5 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

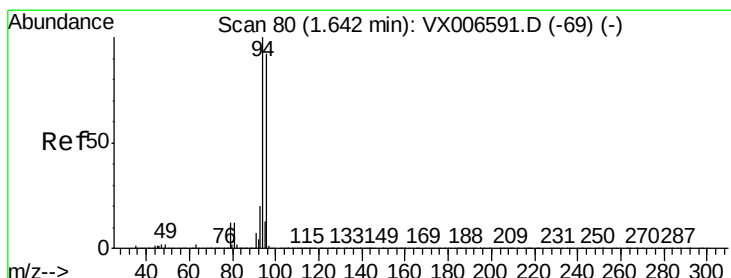
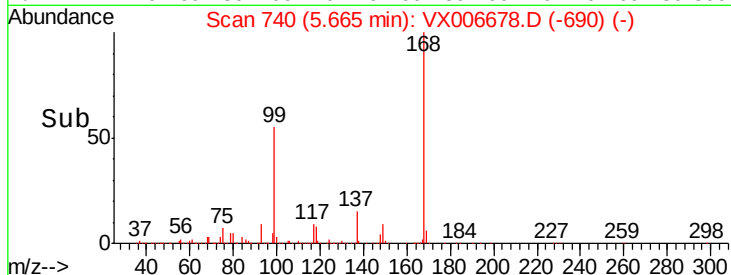
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006678.D

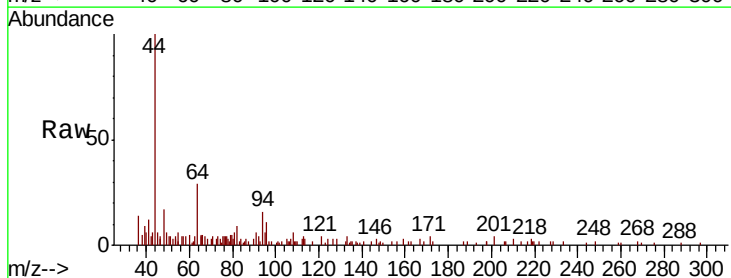
Acq: 20 Dec 2018 16:14

Tgt Ion: 94 Resp: 793

Ion Ratio Lower Upper

94 100

96 65.1 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

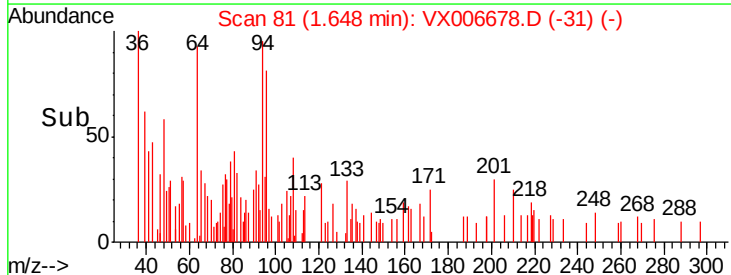
600

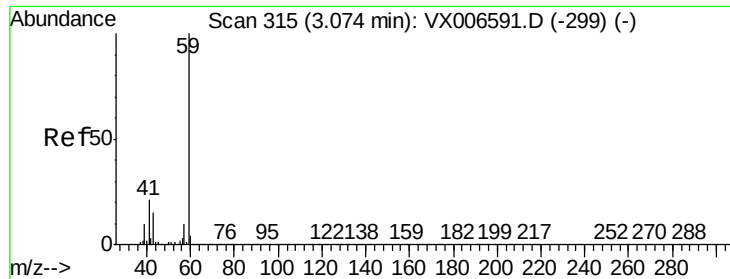
400

200

0

Time-->



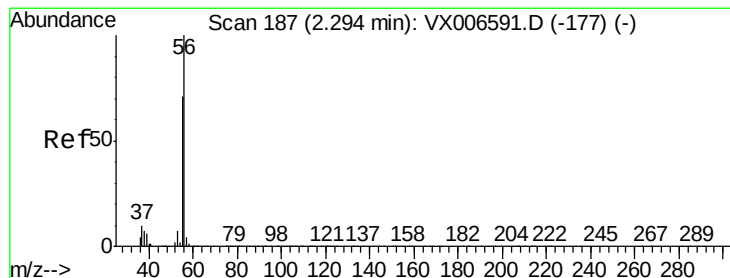
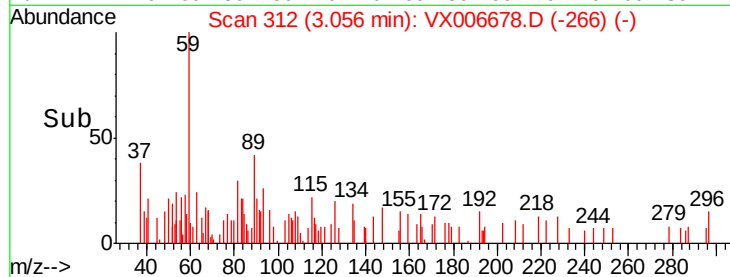
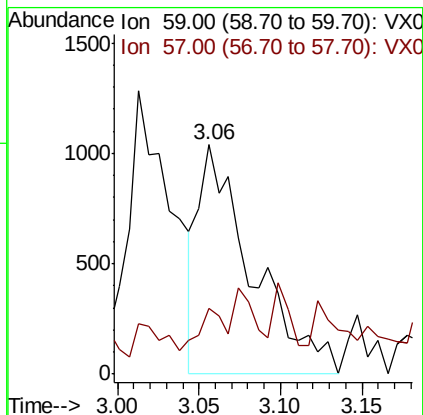
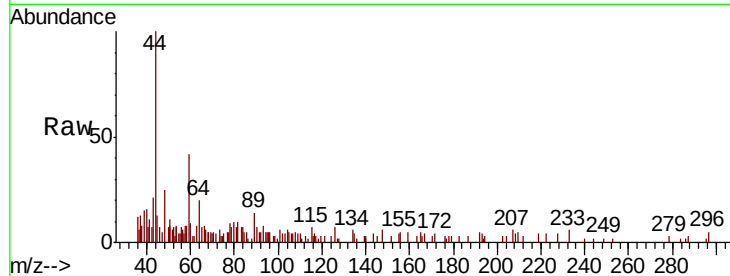


#11

Tert butyl alcohol
Concen: 1.545 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX006678.D
Acq: 20 Dec 2018 16:14

Instrument :
MSVOA_X
ClientSampled :

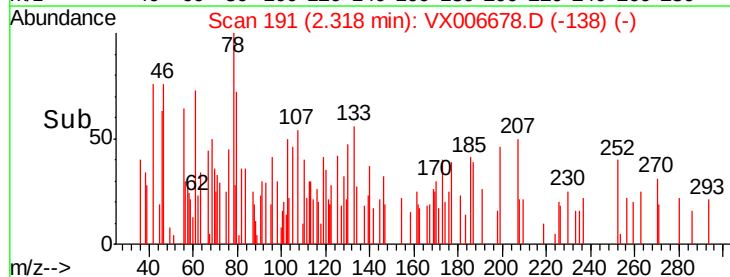
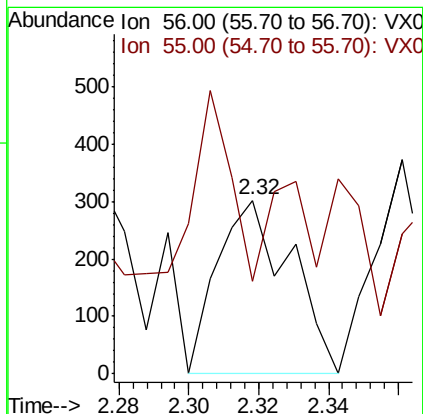
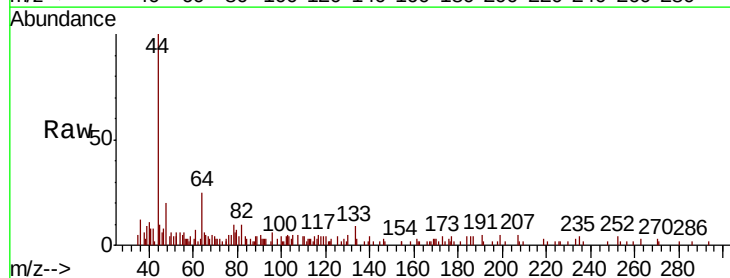
Tot Ion: 59 Resp: 2377
Ion Ratio Lower Upper
59 100
57 18.4 8.5 12.7#

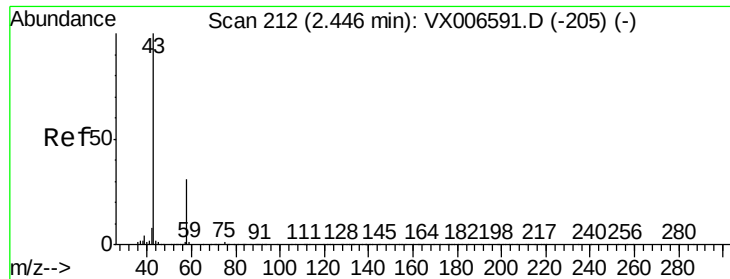


#13

Acrolein
Concen: 0.425 ug/l
RT: 2.32 min Scan# 191
Delta R.T. 0.02 min
Lab File: VX006678.D
Acq: 20 Dec 2018 16:14

Tgt Ion: 56 Resp: 441
Ion Ratio Lower Upper
56 100
55 53.5 58.2 87.4#

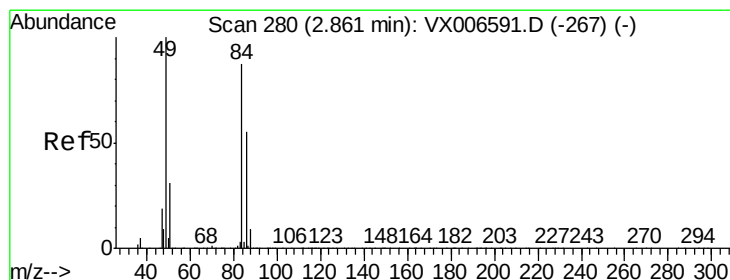
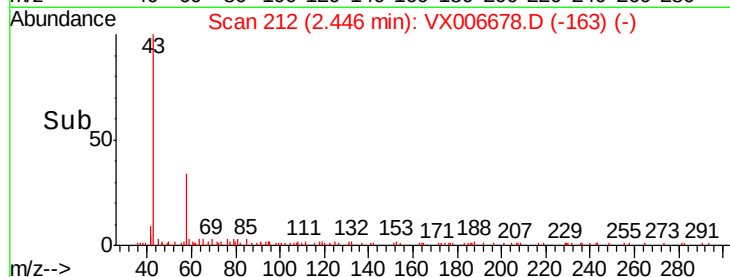
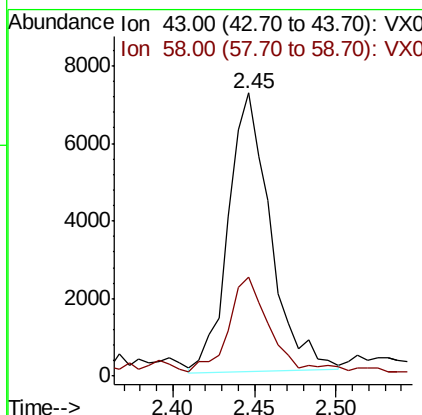
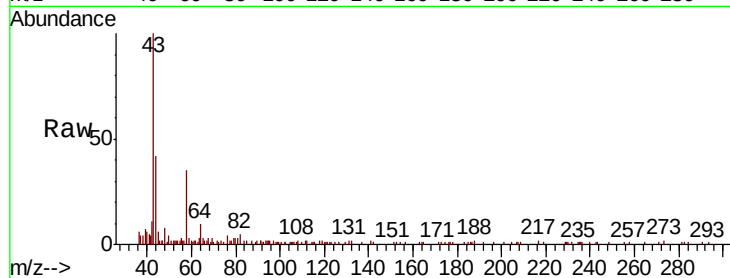




#16
Acetone
Concen: 4.075 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006678.D
Acq: 20 Dec 2018 16:14

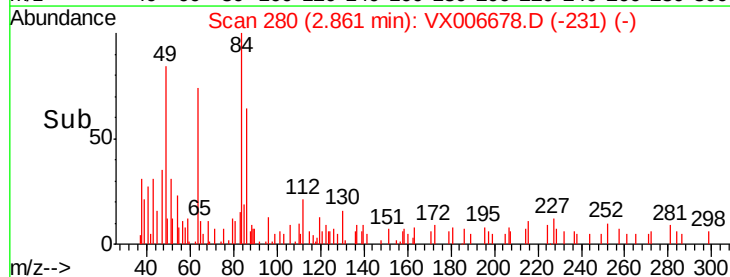
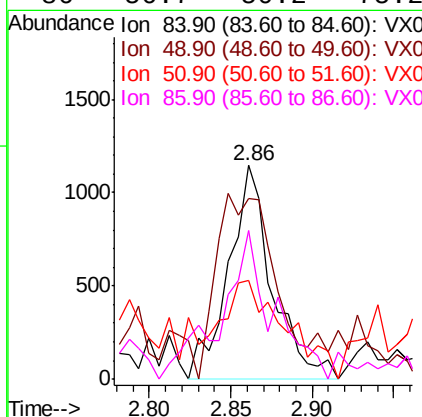
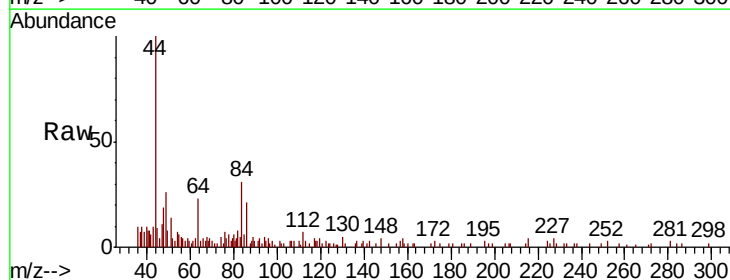
Instrument :
MSVOA_X
ClientSampleId :

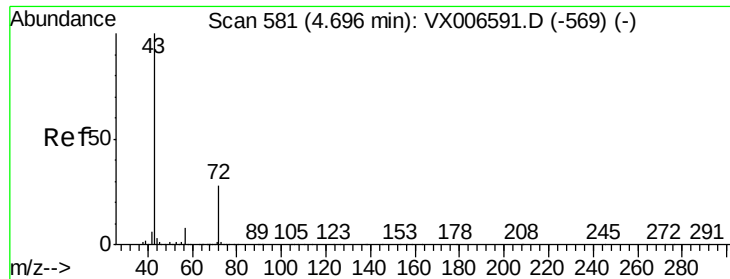
Tot Ion: 43 Resp: 12906
Ion Ratio Lower Upper
43 100
58 34.7 25.0 37.6



#20
Methylene Chloride
Concen: 0.325 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006678.D
Acq: 20 Dec 2018 16:14

Tgt Ion: 84 Resp: 2125
Ion Ratio Lower Upper
84 100
49 66.3 91.8 137.6#
51 46.3 28.5 42.7#
86 56.7 50.2 75.2





#25

2-Butanone

Concen: 0.564 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX006678.D

Acq: 20 Dec 2018 16:14

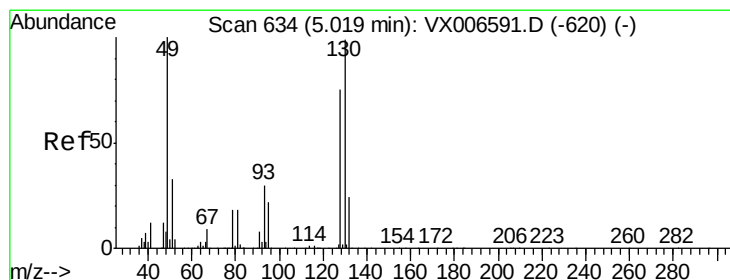
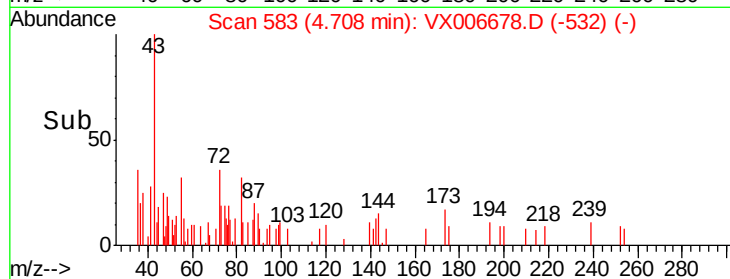
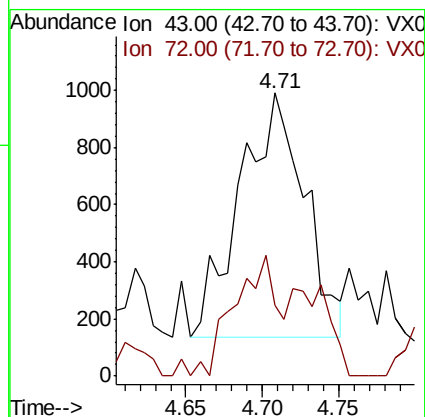
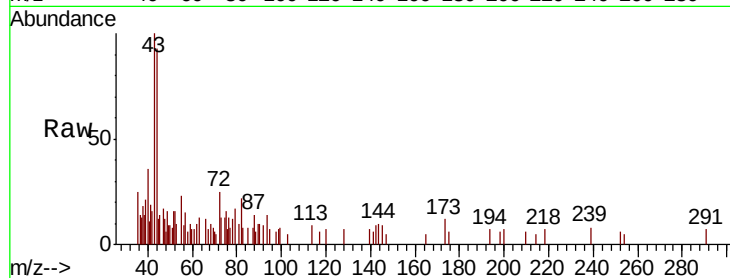
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 2513

Ion Ratio Lower Upper

43 100

72 29.1 22.4 33.6



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX006678.D

Acq: 20 Dec 2018 16:14

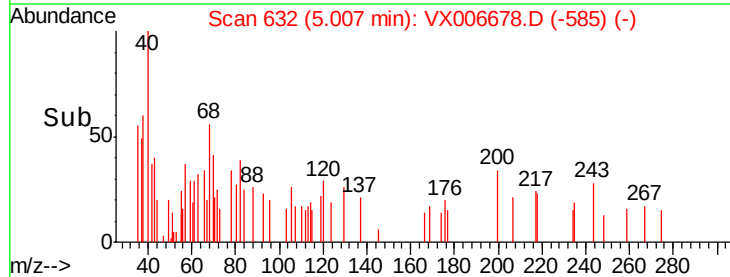
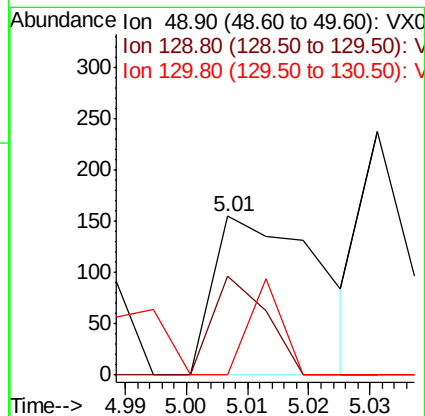
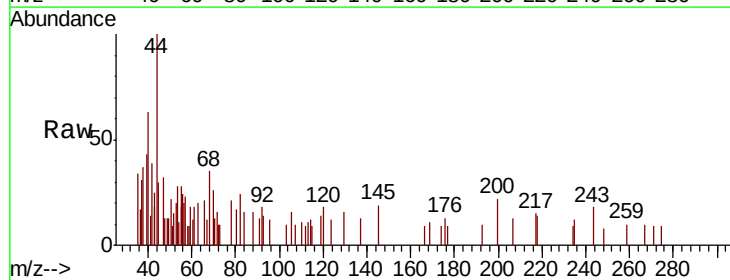
Tgt Ion: 49 Resp: 185

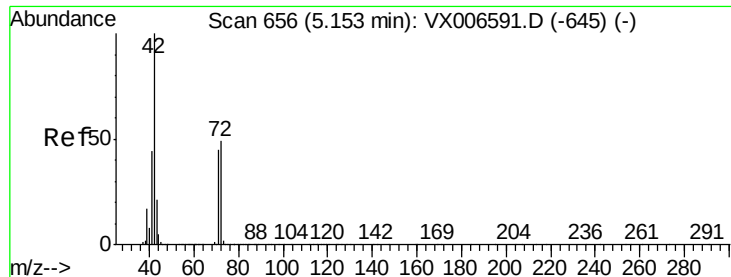
Ion Ratio Lower Upper

49 100

129 31.4 0.0 5.4#

130 18.4 77.7 116.5#





#29

Tetrahydrofuran

Concen: 0.581 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX006678.D

Acq: 20 Dec 2018 16:14

Instrument :

MSVOA_X

ClientSampled :

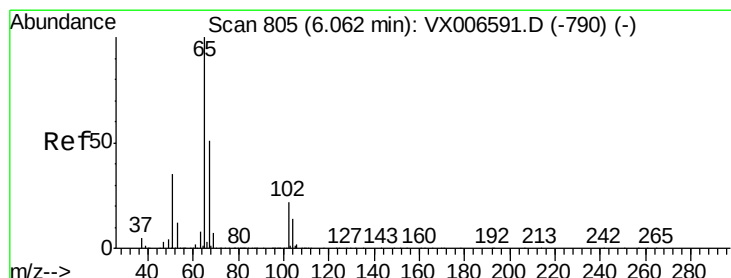
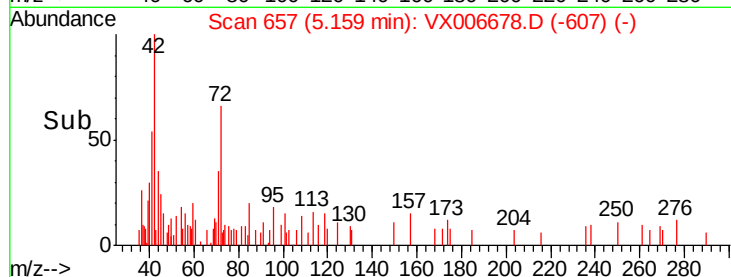
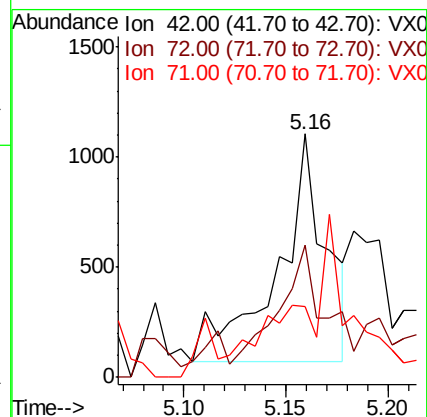
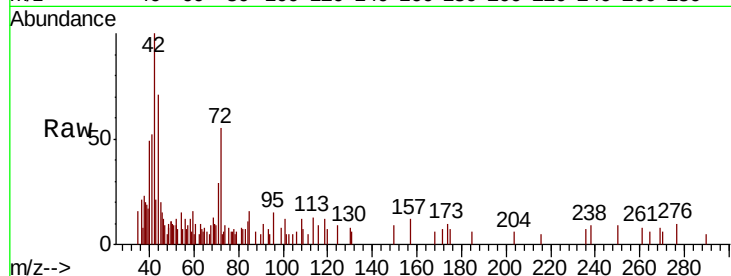
Tot Ion: 42 Resp: 1704

Ion Ratio Lower Upper

42 100

72 47.8 38.9 58.3

71 75.2 36.2 54.4#



#33

1,2-Dichloroethane-d4

Concen: 50.677 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006678.D

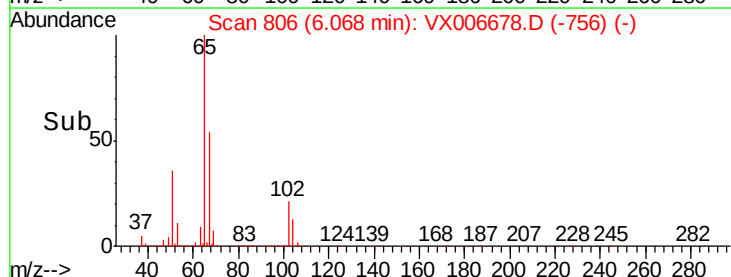
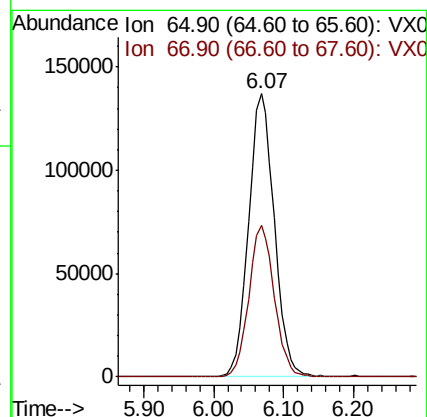
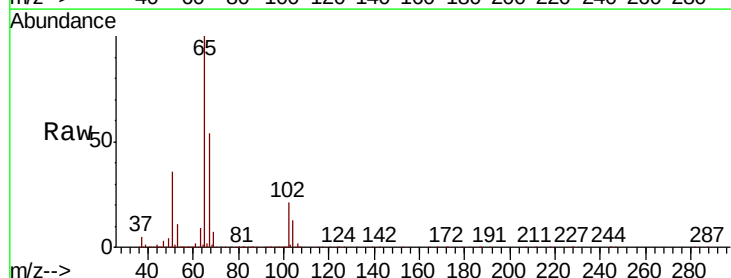
Acq: 20 Dec 2018 16:14

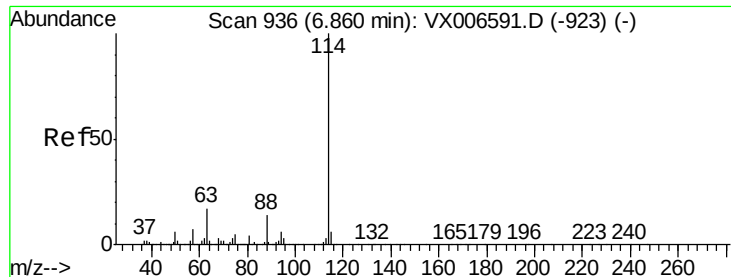
Tgt Ion: 65 Resp: 349316

Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.0

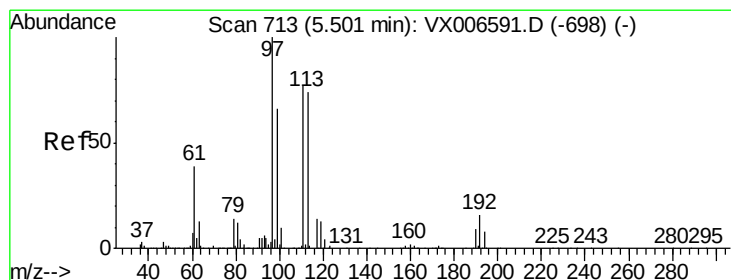
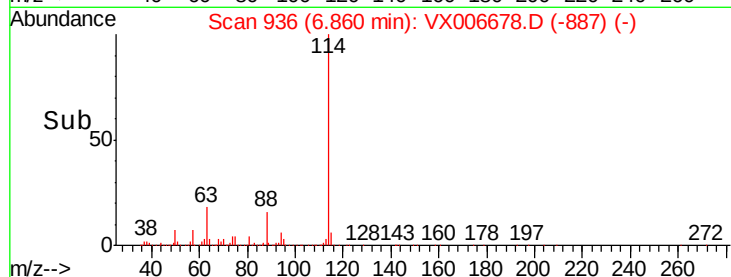
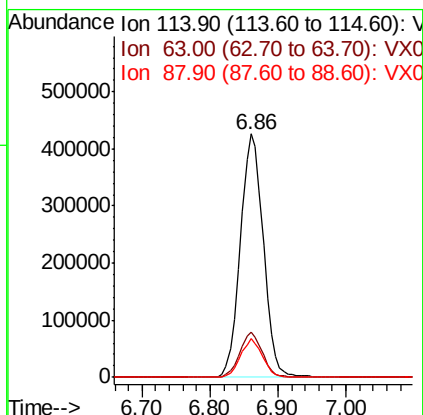
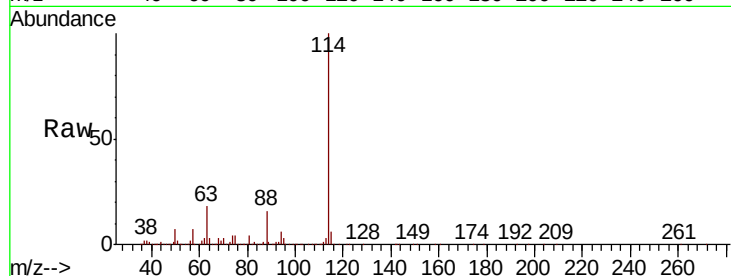




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006678.D
 Acq: 20 Dec 2018 16:14

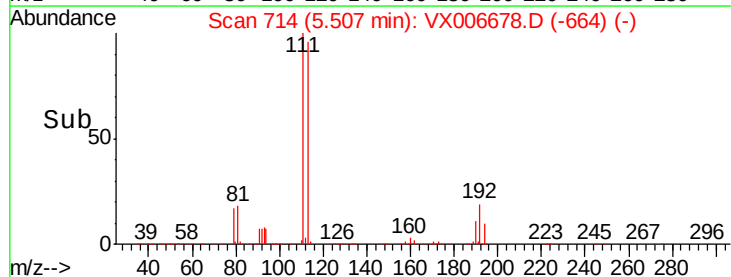
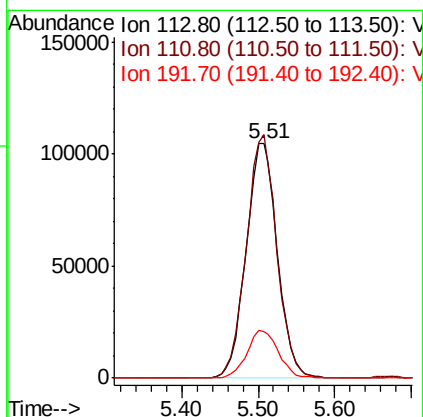
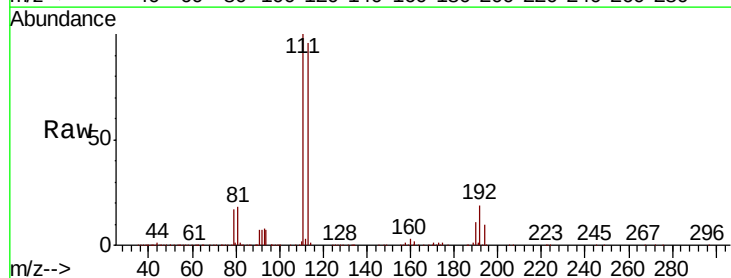
Instrument :
 MSVOA_X
 ClientSampled :

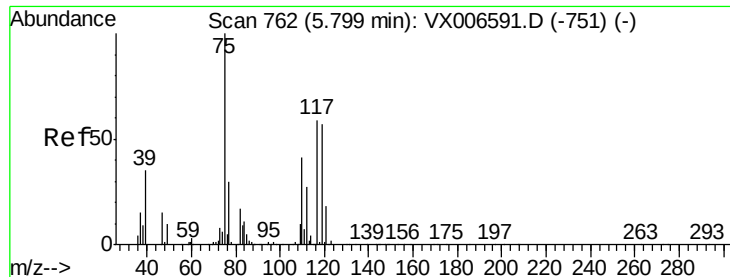
Tot Ion:114 Resp: 1000109
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 34.8
 88 15.8 0.0 28.8



#35
 Dibromofluoromethane
 Concen: 46.990 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX006678.D
 Acq: 20 Dec 2018 16:14

Tgt Ion:113 Resp: 297186
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.6 122.4
 192 20.6 16.7 25.1

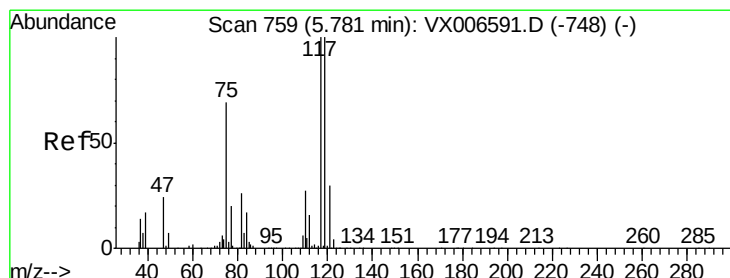
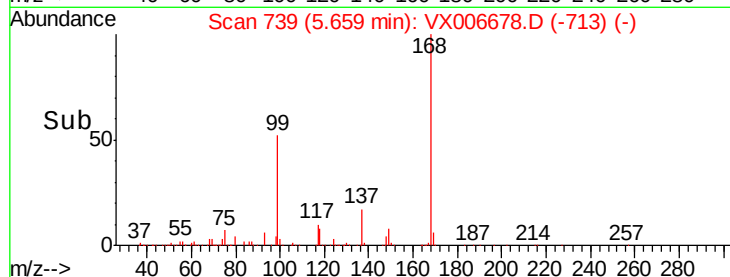
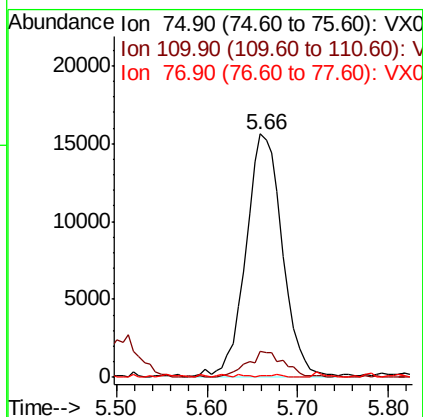
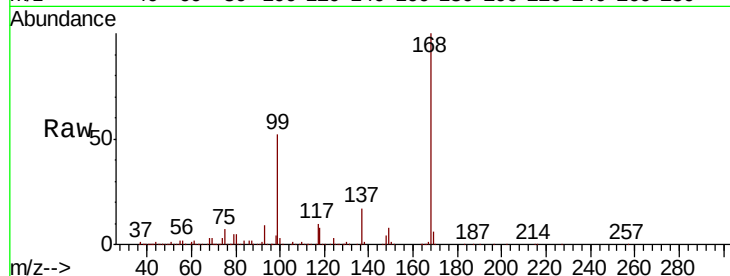




#36
 1,1-Dichloropropene
 Concen: 5.266 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006678.D
 Acq: 20 Dec 2018 16:14

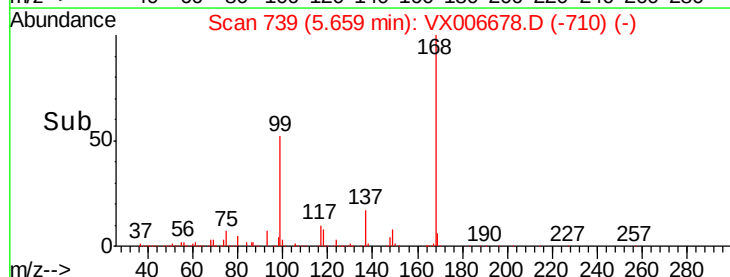
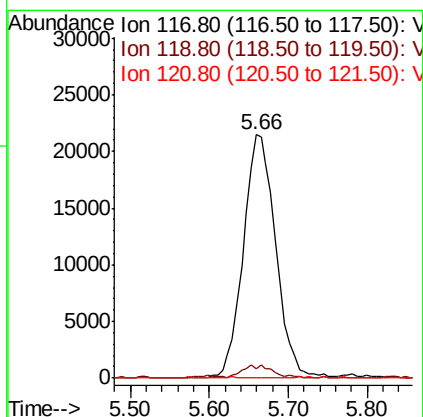
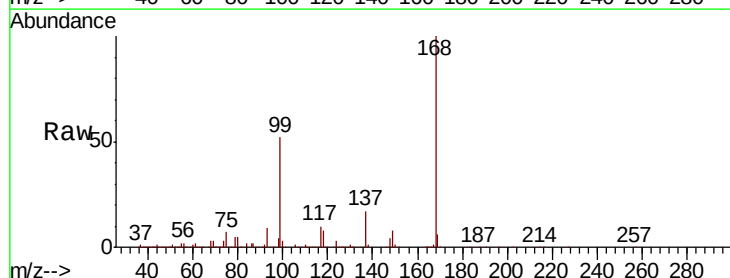
Instrument :
 MSVOA_X
 ClientSampleId :

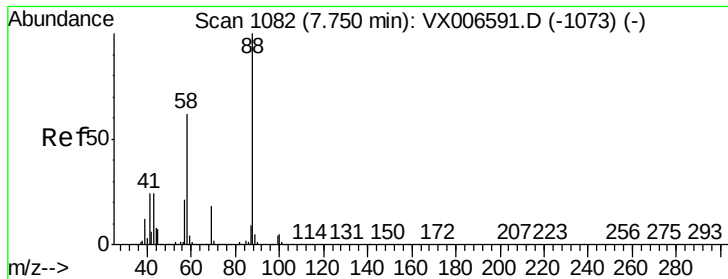
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.2	20.2	60.5#
77	0.5	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.621 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX006678.D
 Acq: 20 Dec 2018 16:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.7	79.4	119.2#
121	0.0	24.0	36.0#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX006678.D

Acq: 20 Dec 2018 16:14

Instrument :

MSVOA_X

ClientSampled :

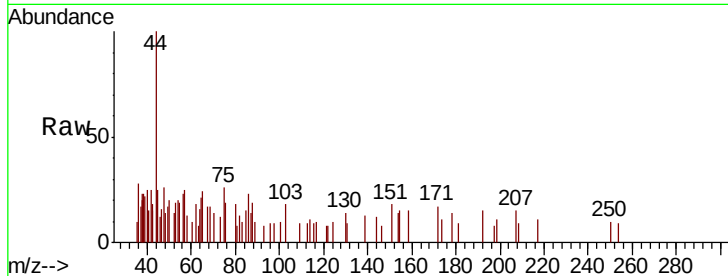
Tot Ion: 88 Resp: 173

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

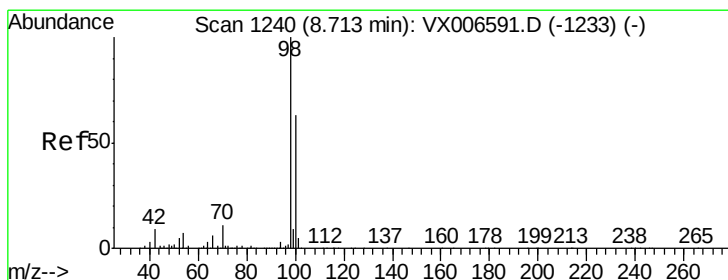
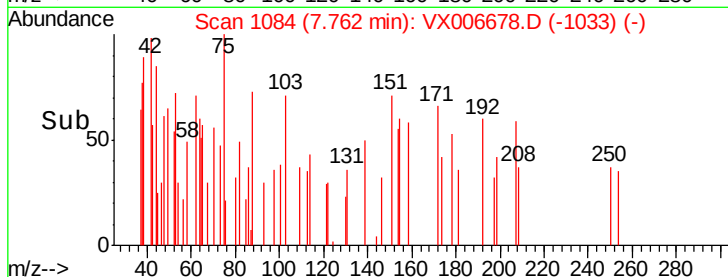
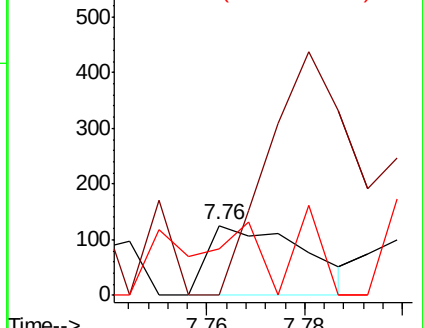
58 57.8 51.0 76.4



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: 50.173 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006678.D

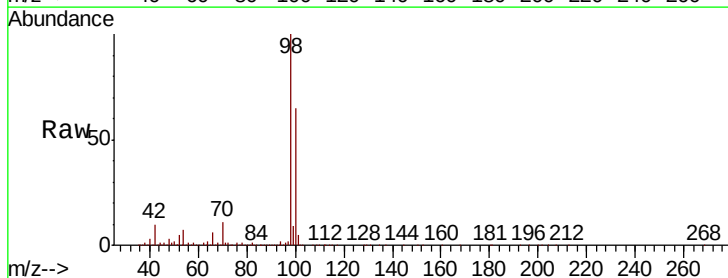
Acq: 20 Dec 2018 16:14

Tgt Ion: 98 Resp: 1196293

Ion Ratio Lower Upper

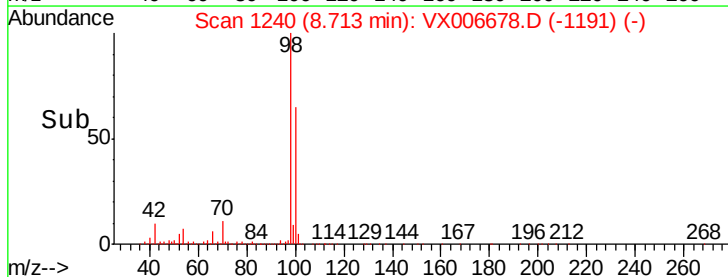
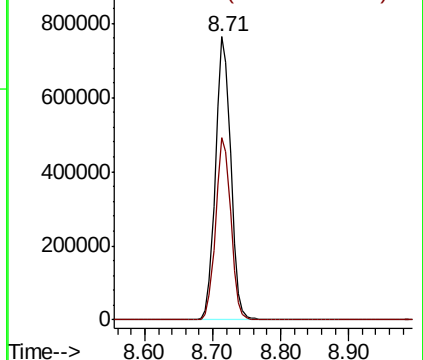
98 100

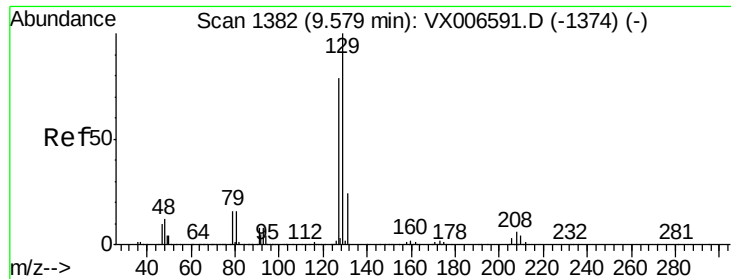
100 64.2 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 2.351 ug/l

RT: 9.52 min Scan# 1372

Delta R.T. -0.06 min

Lab File: VX006678.D

Acq: 20 Dec 2018 16:14

Instrument :

MSVOA_X

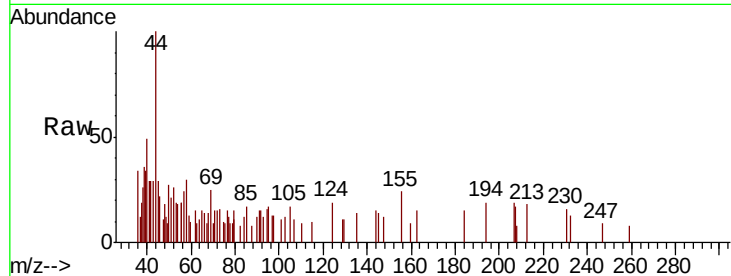
ClientSampleId :

Tot Ion:129 Resp: 198

Ion Ratio Lower Upper

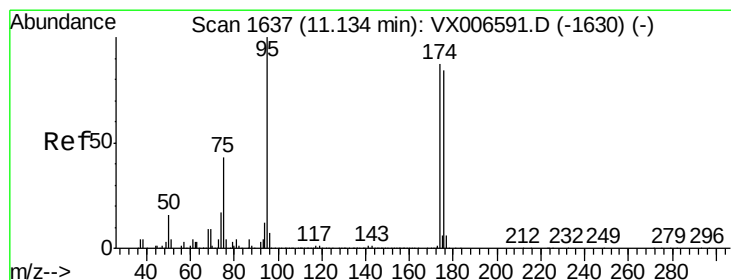
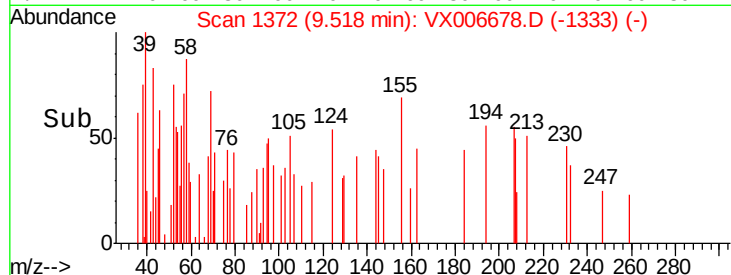
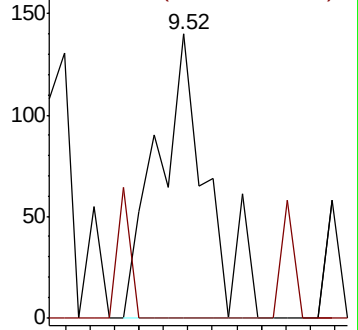
129 100

127 0.0 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: 49.070 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006678.D

Acq: 20 Dec 2018 16:14

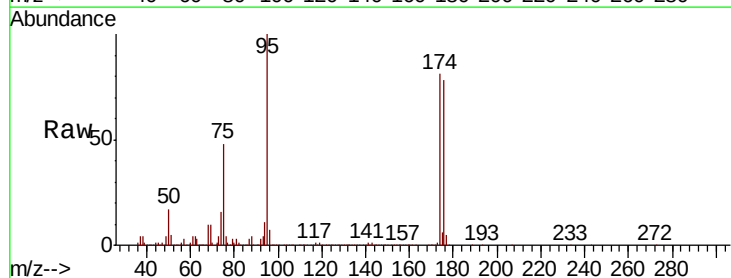
Tgt Ion: 95 Resp: 428505

Ion Ratio Lower Upper

95 100

174 85.9 0.0 182.2

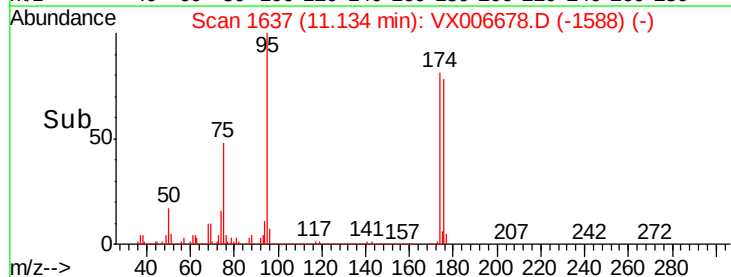
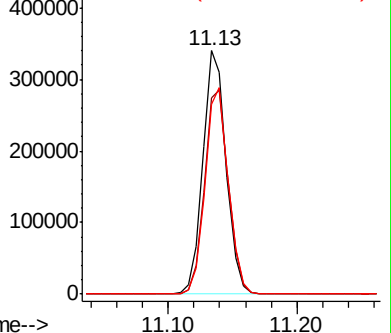
176 84.4 0.0 178.8

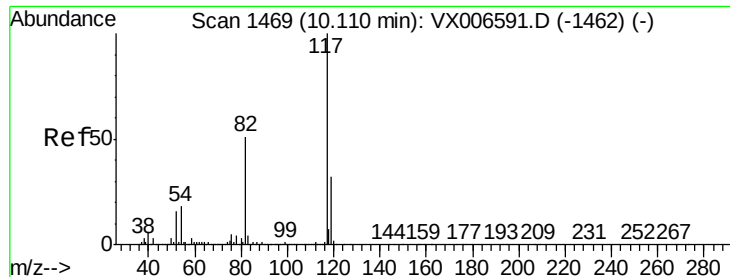


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

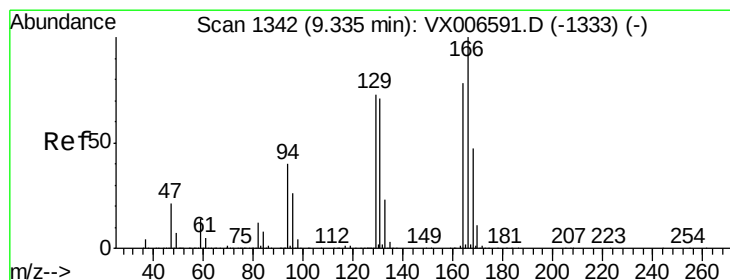
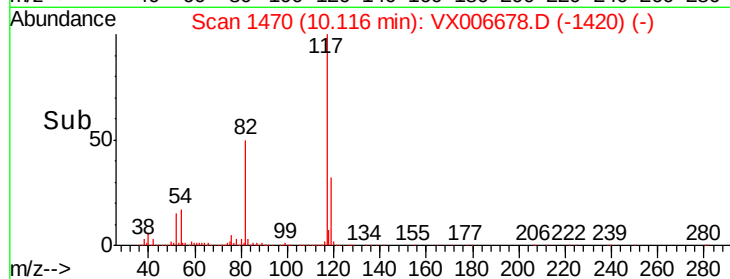
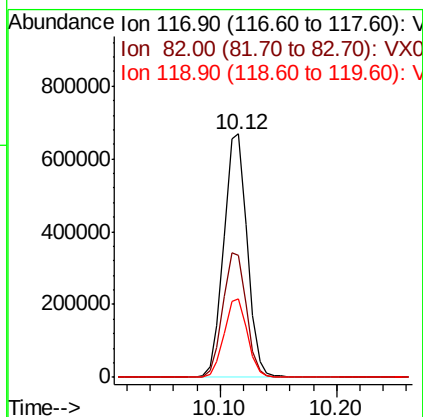
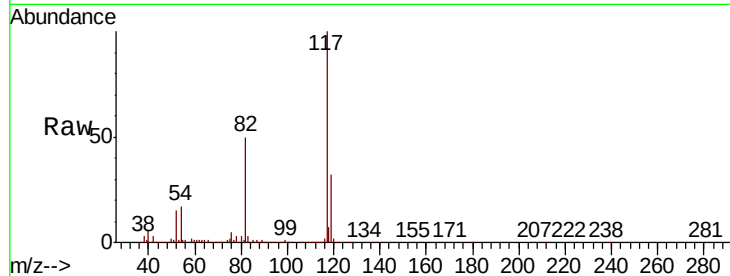




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006678.D
Acq: 20 Dec 2018 16:14

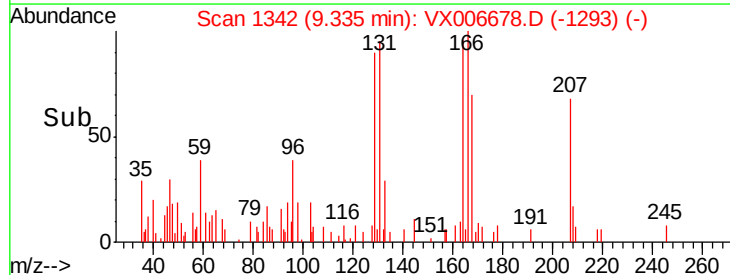
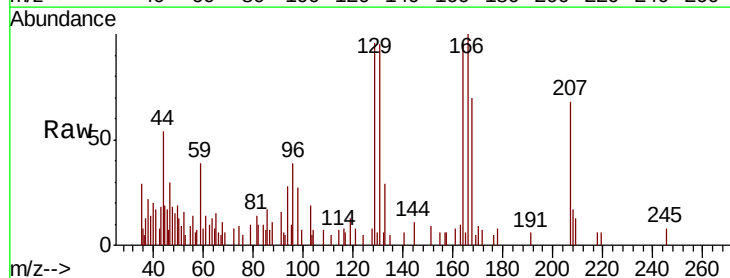
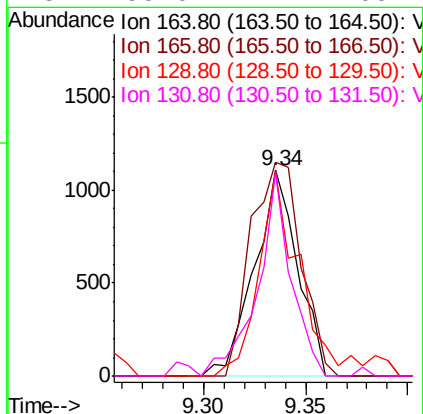
Instrument :
MSVOA_X
ClientSampled :

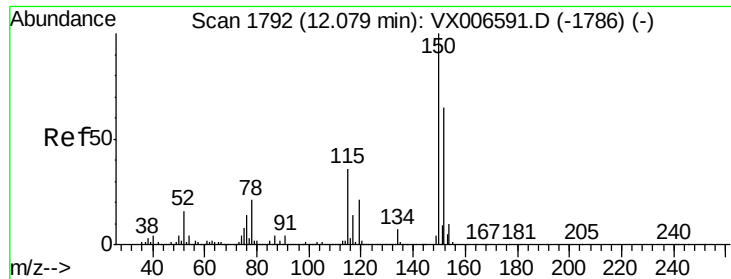
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.2	41.0	61.6
119	32.3	25.4	38.0



#64
Tetrachloroethene
Concen: 0.221 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006678.D
Acq: 20 Dec 2018 16:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	103.7	102.5	153.7
129	99.2	75.1	112.7
131	99.0	72.7	109.1



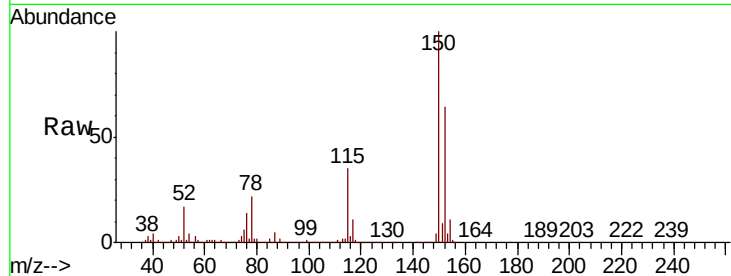


#72

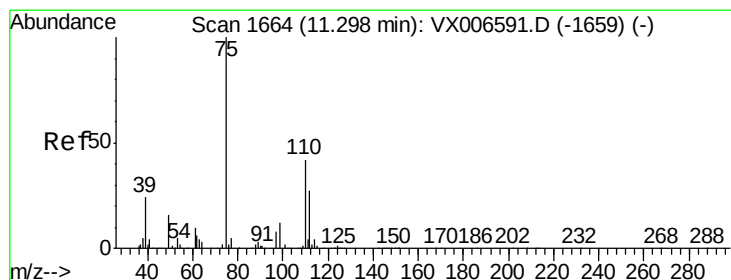
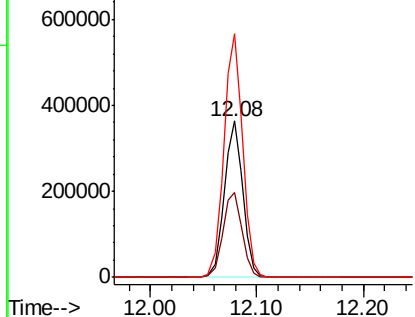
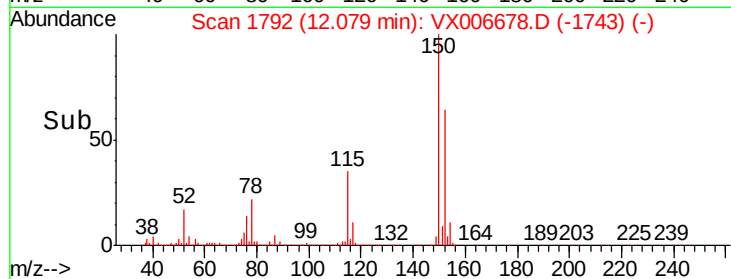
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006678.D
Acq: 20 Dec 2018 16:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.6	39.1	117.2
150	157.6	0.0	344.8



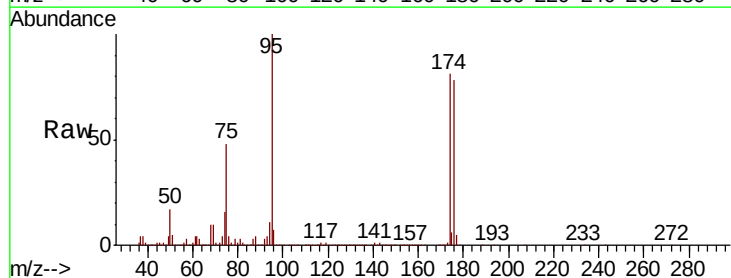
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



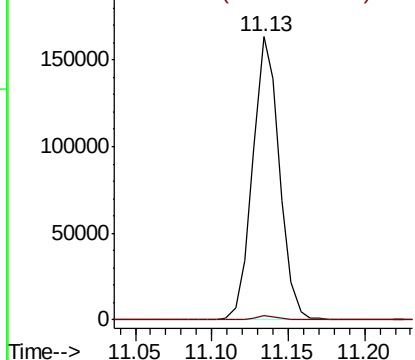
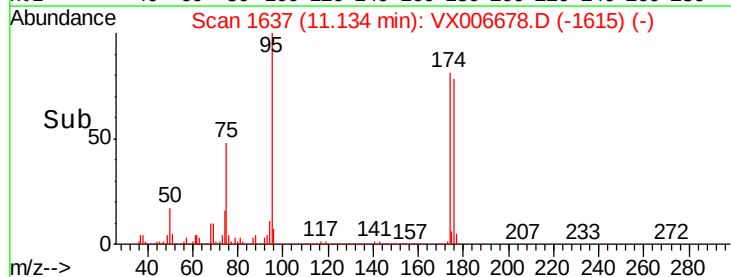
#76

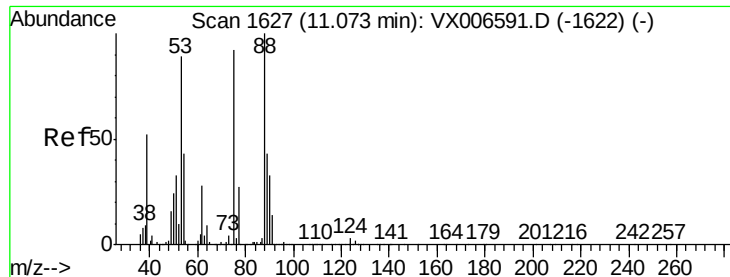
1,2,3-Trichloropropane
Concen: 24.217 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006678.D
Acq: 20 Dec 2018 16:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	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: 71.694 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006678.D

Acq: 20 Dec 2018 16:14

Instrument :

MSVOA_X

ClientSampleId :

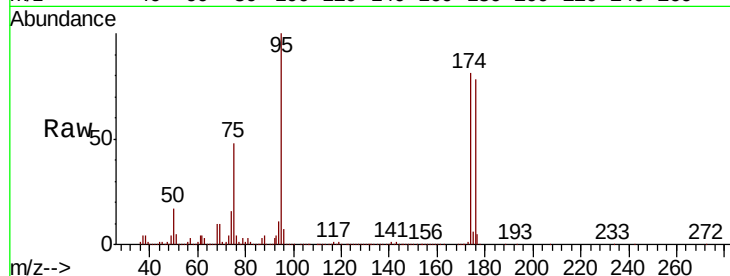
Tot Ion: 75 Resp: 197818

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

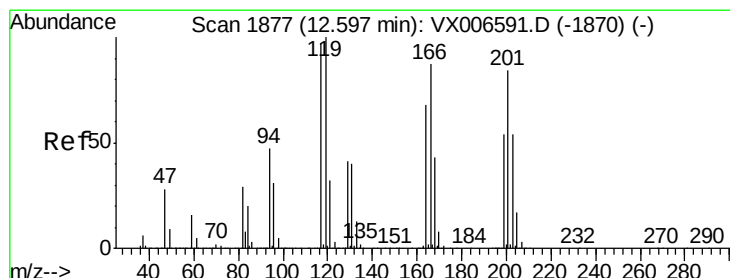
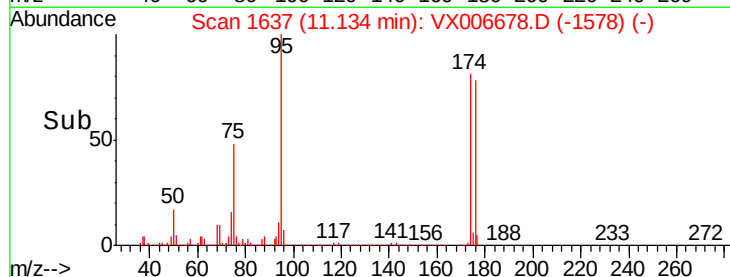
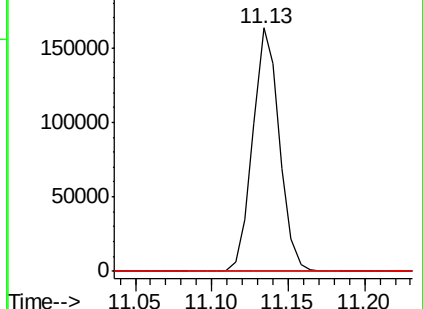
89 0.1 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#90

Hexachloroethane

Concen: 3.320 ug/l

RT: 12.63 min Scan# 1883

Delta R.T. 0.04 min

Lab File: VX006678.D

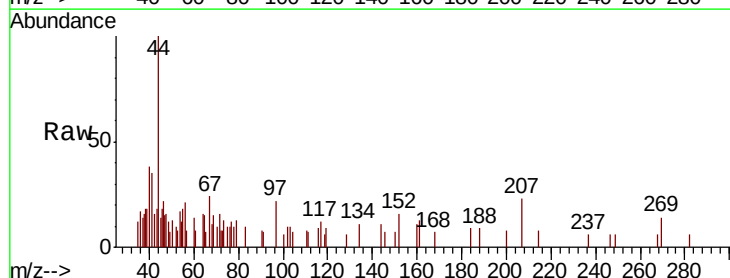
Acq: 20 Dec 2018 16:14

Tgt Ion: 117 Resp: 119

Ion Ratio Lower Upper

117 100

201 43.7 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

