

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
 Data File : VX006669.D
 Acq On : 20 Dec 2018 12:14
 Operator : JC/MD
 Sample : J6492-02 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 21 03:29:24 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	618717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	982404	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	898635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	443665	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	338969	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
35) Dibromofluoromethane	5.50	113	291296	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
50) Toluene-d8	8.71	98	1149814	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
62) 4-Bromofluorobenzene	11.13	95	423133	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	

Target Compounds

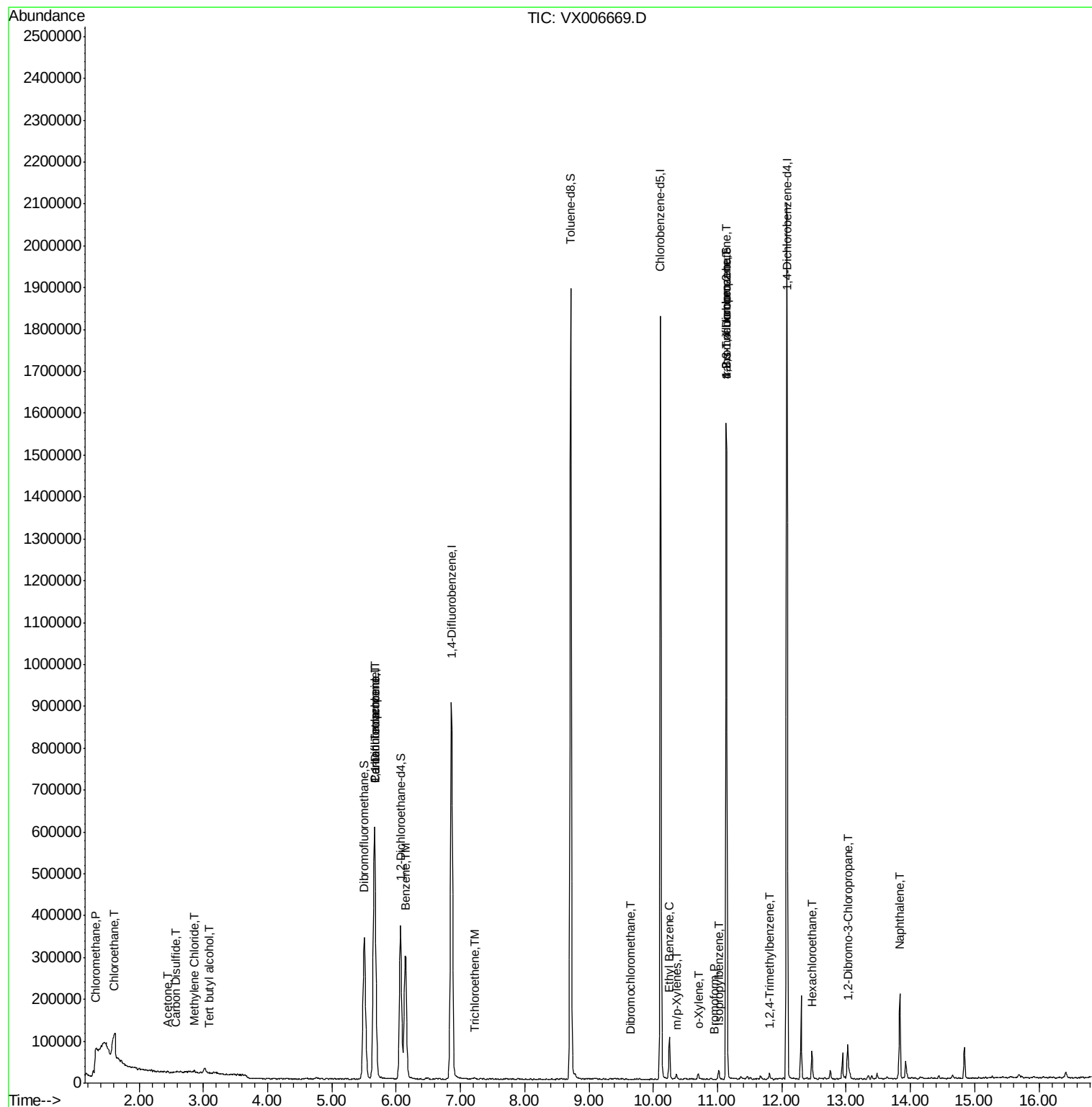
					Qvalue	
3) Chloromethane	1.33	50	3023	0.496	ug/l #	75
5) Bromomethane	1.60	94	305	Below Cal	#	4
6) Chloroethane	1.60	64	54658	12.395	ug/l #	48
11) Tert butyl alcohol	3.09	59	323	0.217	ug/l #	1
16) Acetone	2.44	43	1123	0.367	ug/l #	1
17) Carbon Disulfide	2.57	76	3429	0.234	ug/l #	82
20) Methylene Chloride	2.85	84	2049	0.323	ug/l #	84
28) Bromochloromethane	5.03	49	594	Below Cal	#	13
36) 1,1-Dichloropropene	5.67	75	40397	4.965	ug/l #	49
38) Carbon Tetrachloride	5.67	117	56914	7.198	ug/l #	14
40) Benzene	6.14	78	367327	14.852	ug/l	98
44) Trichloroethene	7.21	130	1961	0.262	ug/l	54
49) 1,4-Dioxane	7.76	88	225	Below Cal	#	63
60) Dibromochloromethane	9.65	129	94	2.337	ug/l	55
67) Ethyl Benzene	10.25	91	59251	1.907	ug/l	100
68) m/p-Xylenes	10.36	106	2785	0.227	ug/l	92
69) o-Xylene	10.70	106	3313	0.274	ug/l	93
71) Bromoform	10.95	173	106	4.478	ug/l #	28
73) Isopropylbenzene	11.02	105	11369	0.375	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	199819	24.235	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	199819	71.742	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	6057	0.230	ug/l	84
90) Hexachloroethane	12.47	117	2873	3.929	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	13.02	75	1938	1.038	ug/l #	1
95) Naphthalene	13.83	128	122906	3.774	ug/l	99

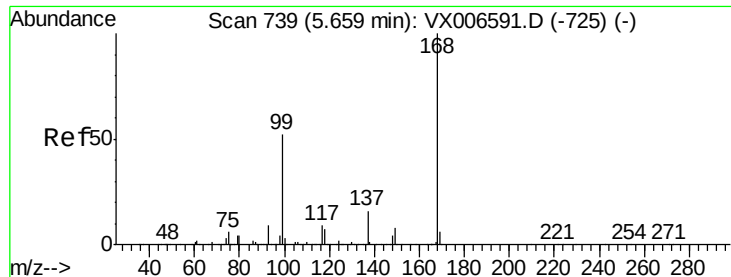
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122018\
Data File : VX006669.D
Acq On : 20 Dec 2018 12:14
Operator : JC/MD
Sample : J6492-02 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 21 03:29:24 2018
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: VX006669.D

Acq: 20 Dec 2018 12:14

Instrument :

MSVOA_X

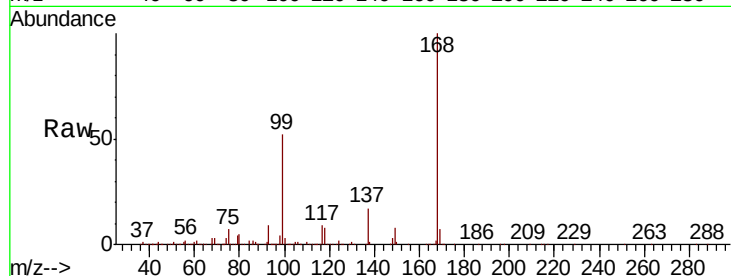
ClientSampleId :

Tot Ion:168 Resp: 618717

Ion Ratio Lower Upper

168 100

99 52.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

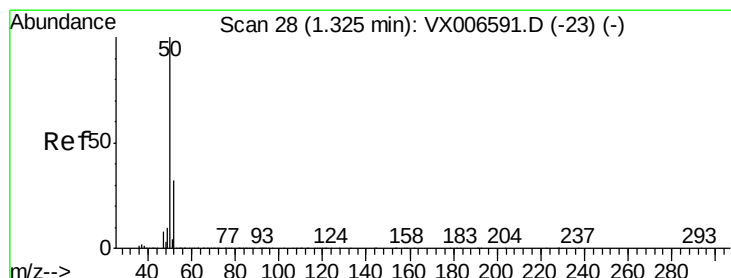
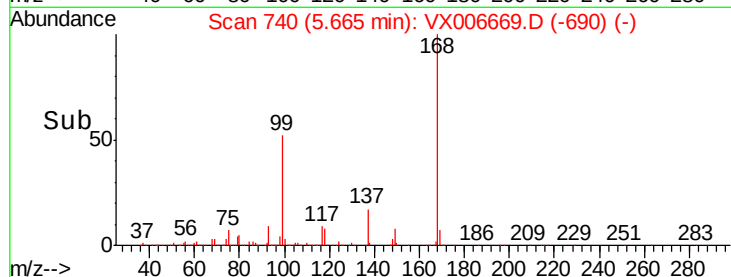
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.496 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006669.D

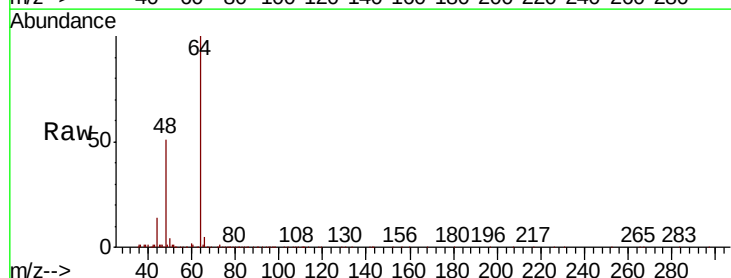
Acq: 20 Dec 2018 12:14

Tgt Ion: 50 Resp: 3023

Ion Ratio Lower Upper

50 100

52 18.0 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

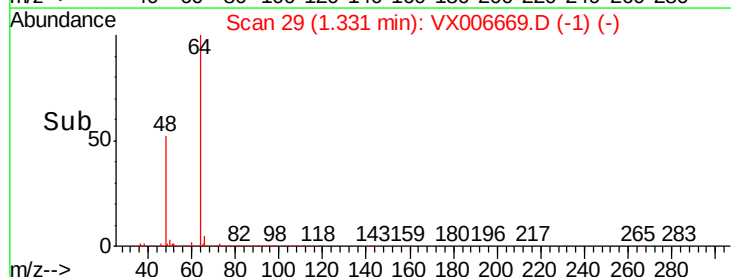
1500

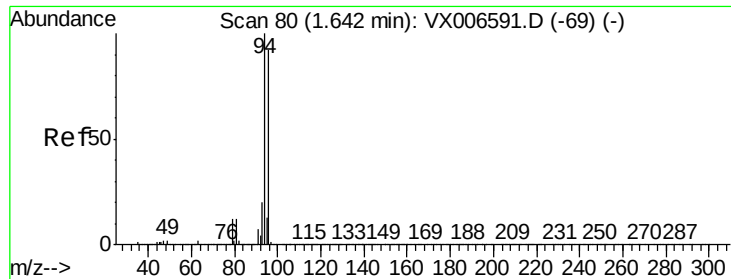
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.60 min Scan# 73

Delta R.T. -0.04 min

Lab File: VX006669.D

Acq: 20 Dec 2018 12:14

Instrument :

MSVOA_X

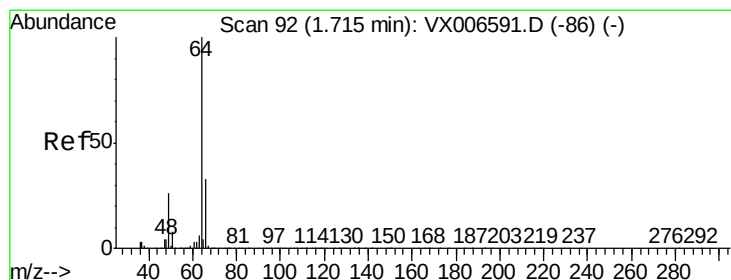
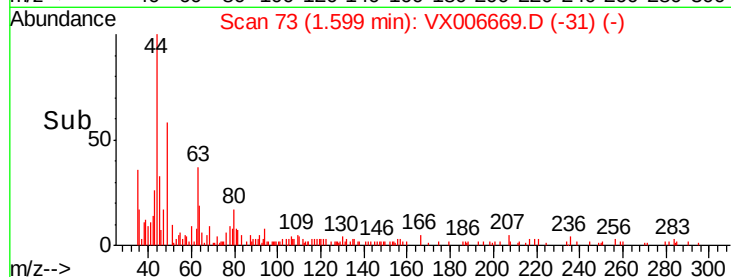
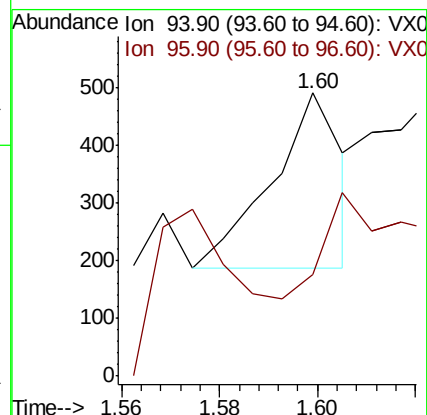
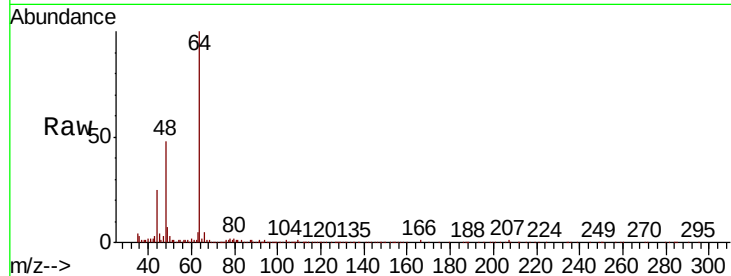
ClientSampleId :

Tot Ion: 94 Resp: 305

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.2#



#6

Chloroethane

Concen: 12.395 ug/l

RT: 1.60 min Scan# 73

Delta R.T. -0.12 min

Lab File: VX006669.D

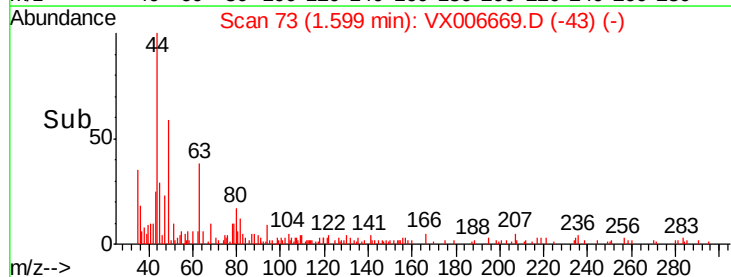
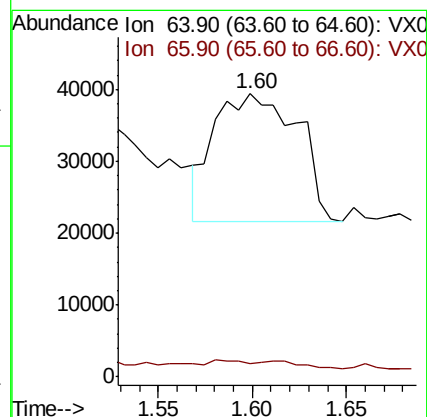
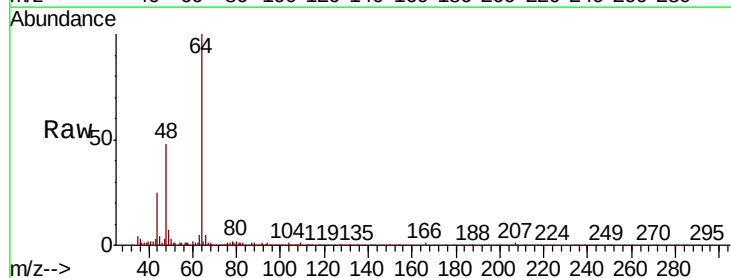
Acq: 20 Dec 2018 12:14

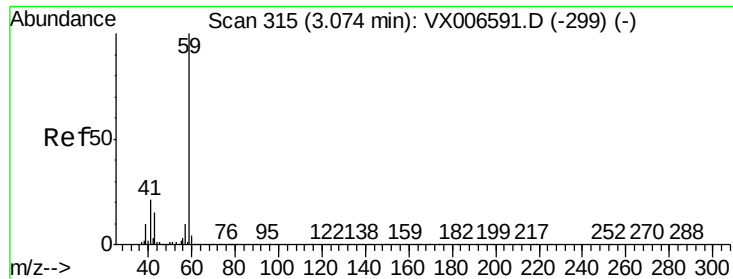
Tgt Ion: 64 Resp: 54658

Ion Ratio Lower Upper

64 100

66 3.4 26.4 39.6#



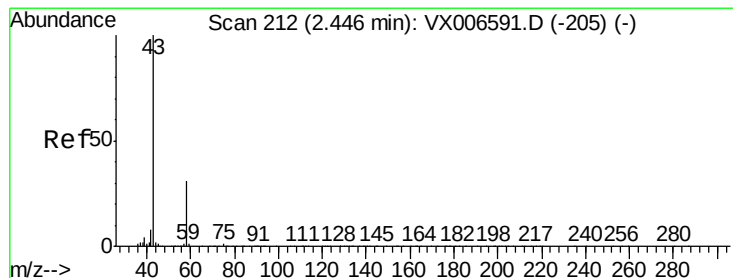
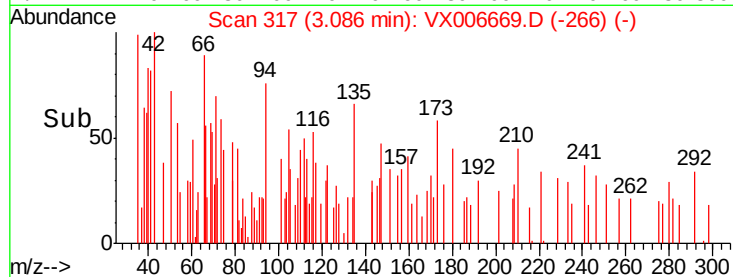
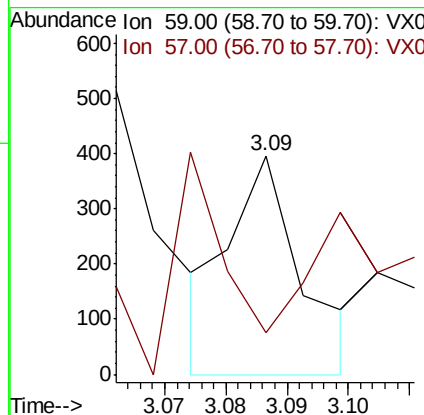
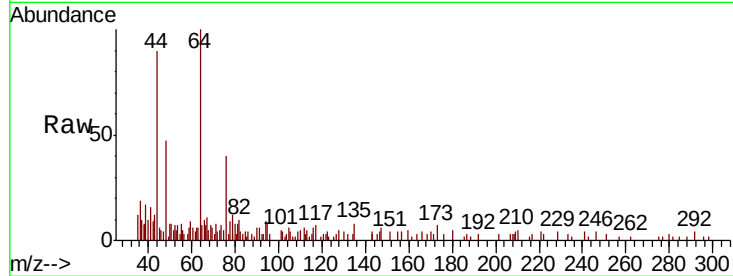


#11

Tert butyl alcohol
 Concen: 0.217 ug/l
 RT: 3.09 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX006669.D
 Acq: 20 Dec 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :

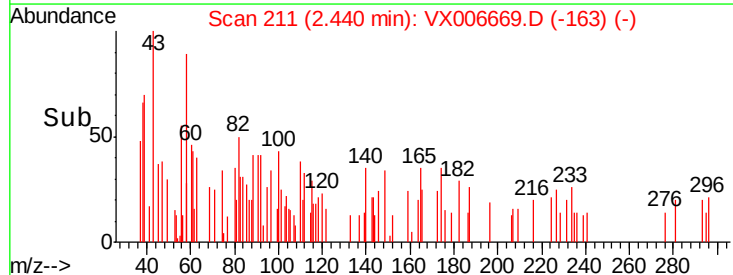
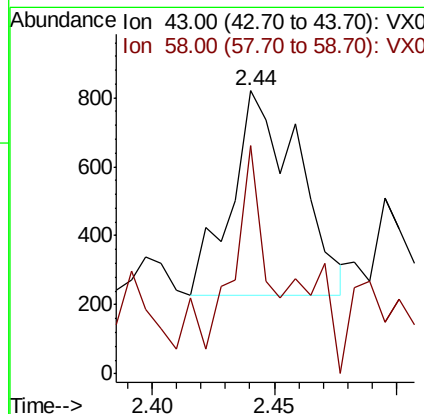
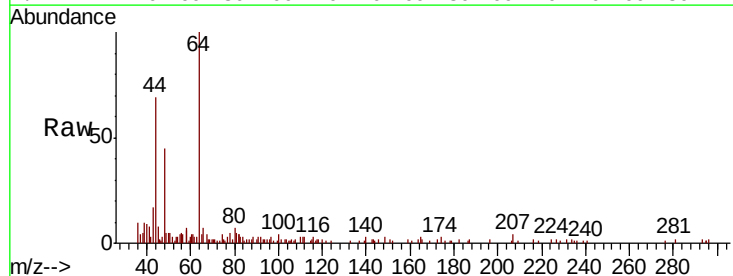
Tot Ion: 59 Resp: 323
 Ion Ratio Lower Upper
 59 100
 57 75.2 8.5 12.7#

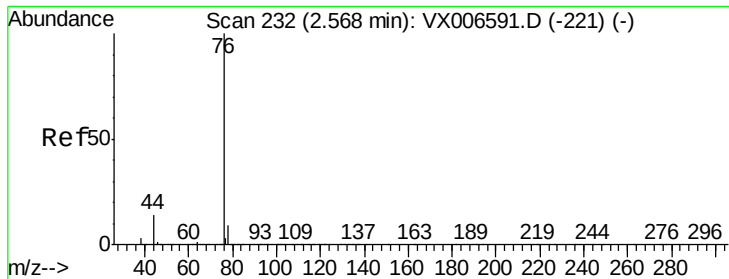


#16

Acetone
 Concen: 0.367 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX006669.D
 Acq: 20 Dec 2018 12:14

Tgt Ion: 43 Resp: 1123
 Ion Ratio Lower Upper
 43 100
 58 90.2 25.0 37.6#

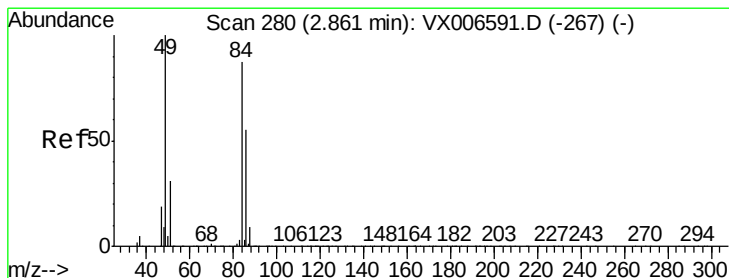
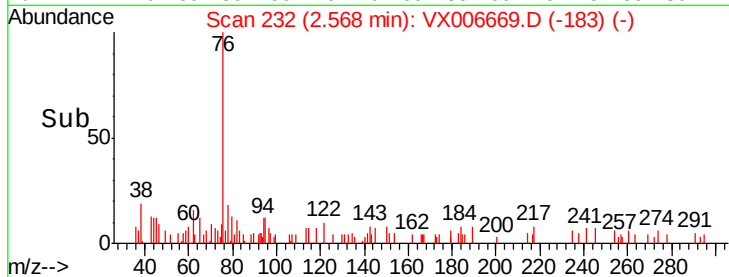
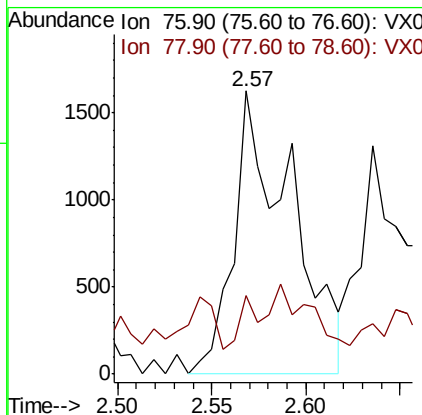
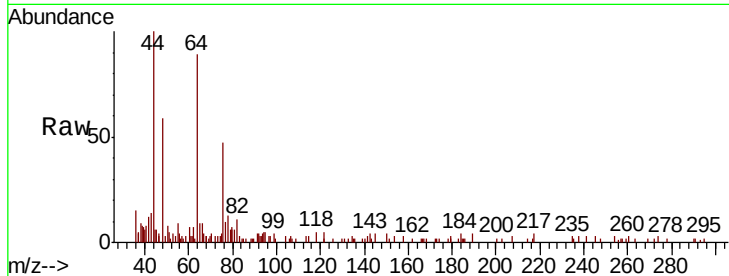




#17
Carbon Disulfide
Concen: 0.234 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX006669.D
Acq: 20 Dec 2018 12:14

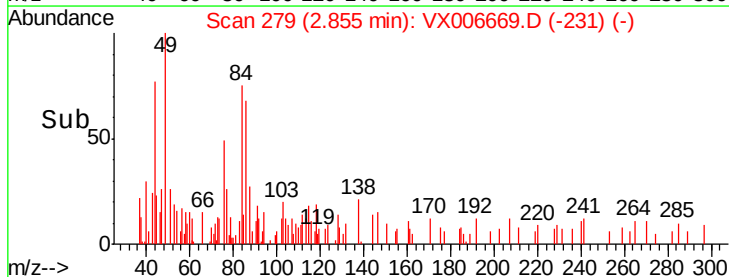
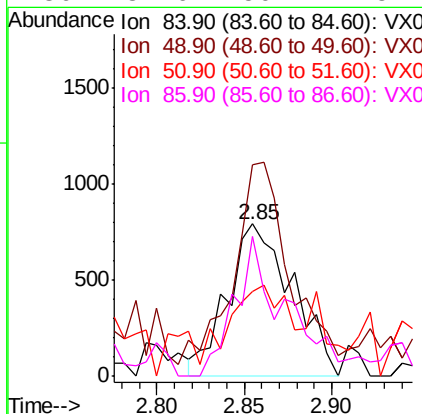
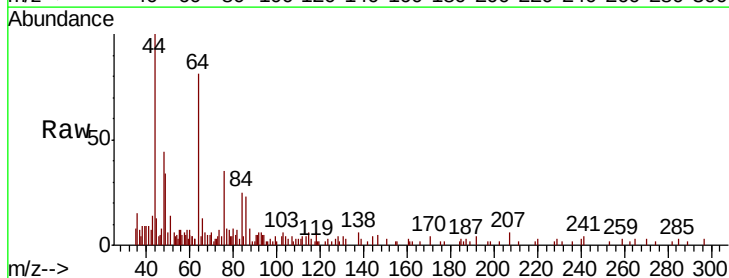
Instrument :
MSVOA_X
ClientSampled :

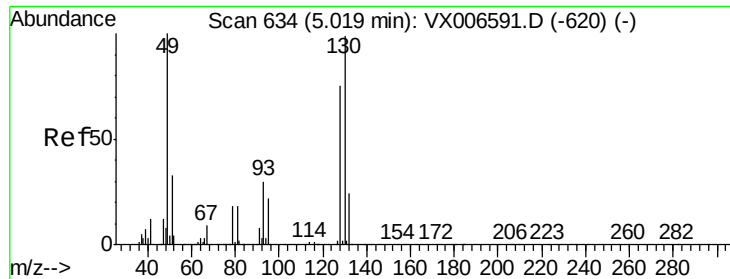
Tot Ion: 76 Resp: 3429
Ion Ratio Lower Upper
76 100
78 15.4 7.0 10.6#



#20
Methylene Chloride
Concen: 0.323 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006669.D
Acq: 20 Dec 2018 12:14

Tgt Ion: 84 Resp: 2049
Ion Ratio Lower Upper
84 100
49 125.5 91.8 137.6
51 25.9 28.5 42.7#
86 82.6 50.2 75.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX006669.D

Acq: 20 Dec 2018 12:14

Instrument :

MSVOA_X

ClientSampled :

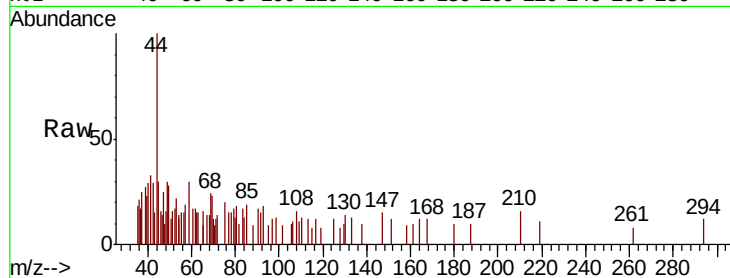
Tot Ion: 49 Resp: 594

Ion Ratio Lower Upper

49 100

129 11.4 0.0 5.4#

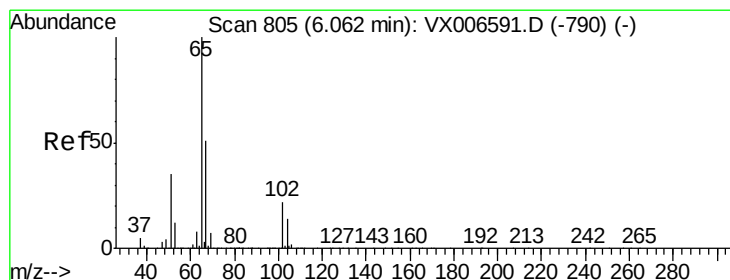
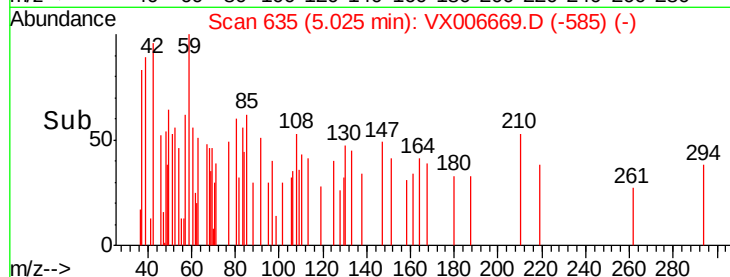
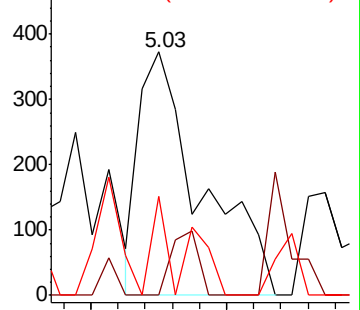
130 9.4 77.7 116.5#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 50.833 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006669.D

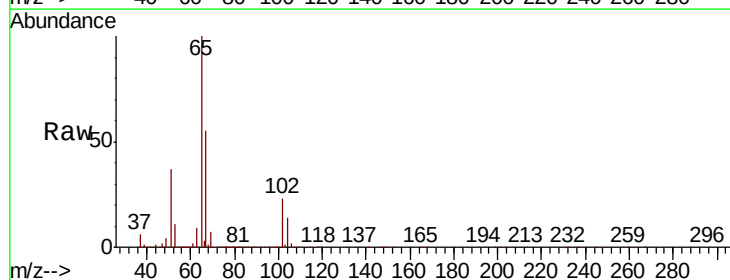
Acq: 20 Dec 2018 12:14

Tgt Ion: 65 Resp: 338969

Ion Ratio Lower Upper

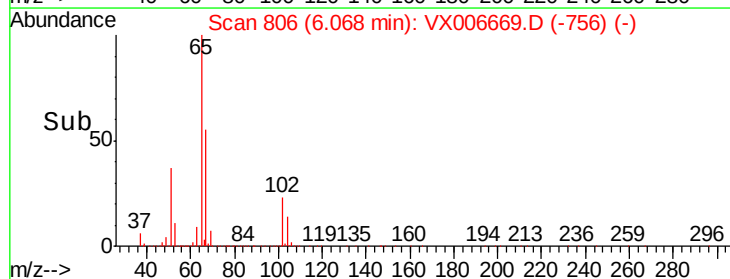
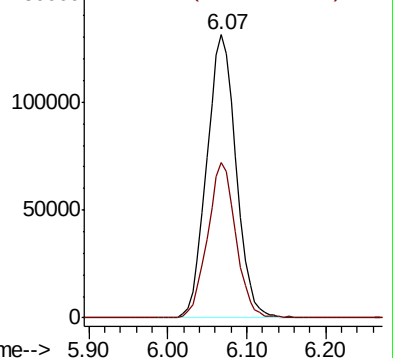
65 100

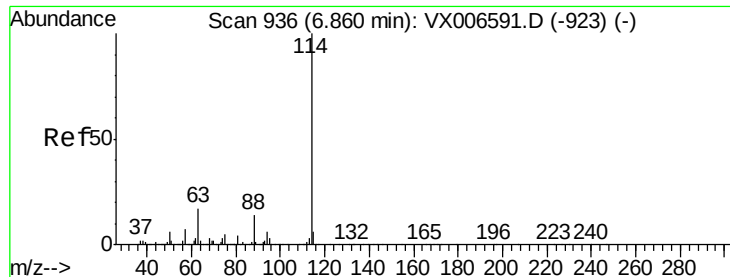
67 52.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006669.D

Acq: 20 Dec 2018 12:14

Instrument :

MSVOA_X

ClientSampled :

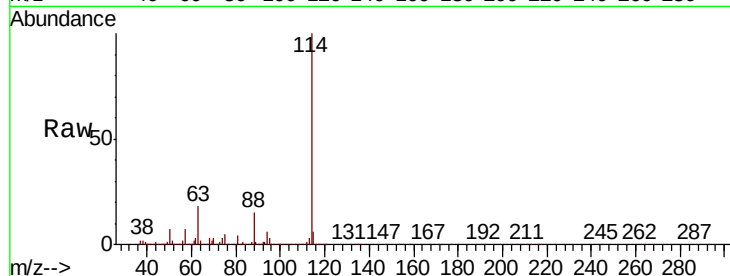
Tot Ion:114 Resp: 982404

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.8

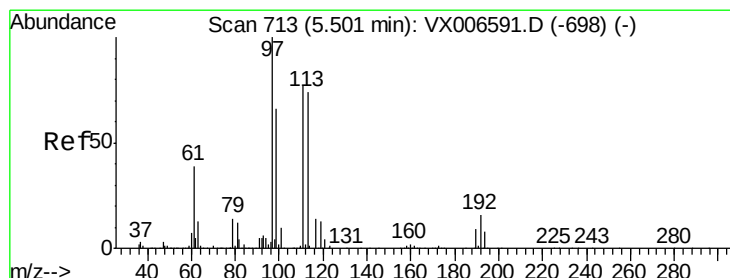
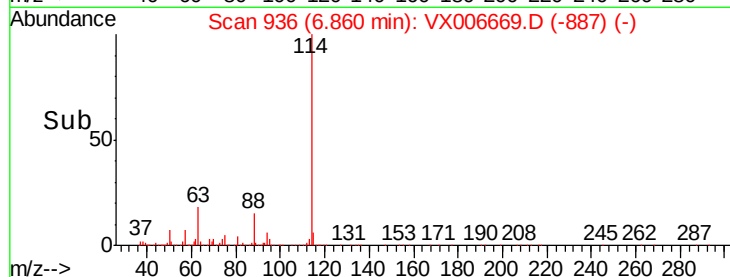
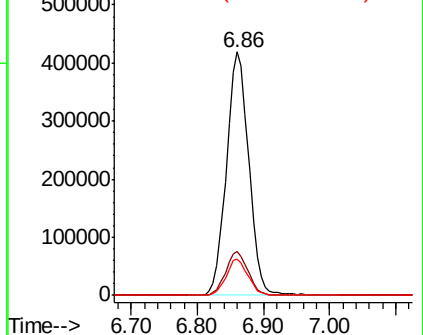
88 14.9 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.888 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006669.D

Acq: 20 Dec 2018 12:14

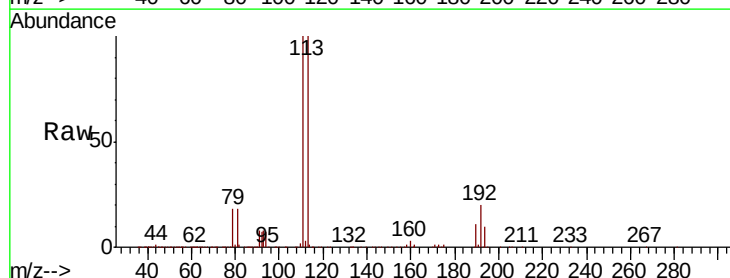
Tgt Ion:113 Resp: 291296

Ion Ratio Lower Upper

113 100

111 102.8 81.6 122.4

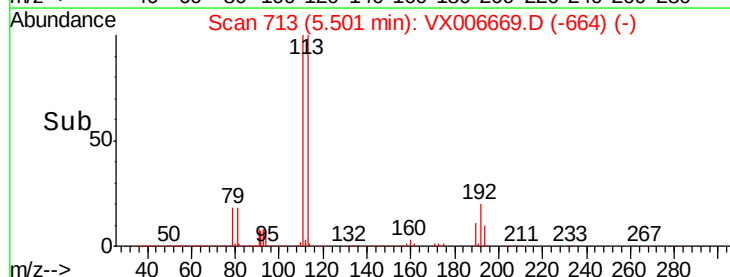
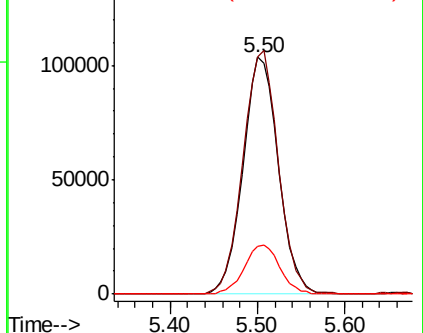
192 21.0 16.7 25.1

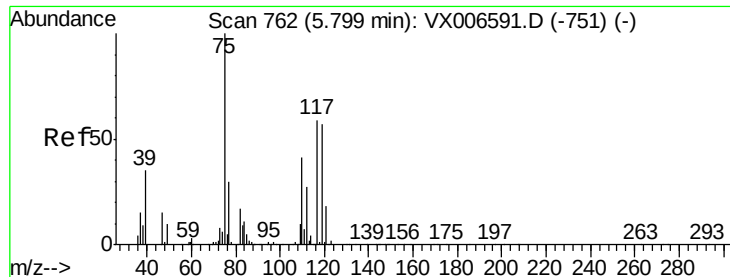


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

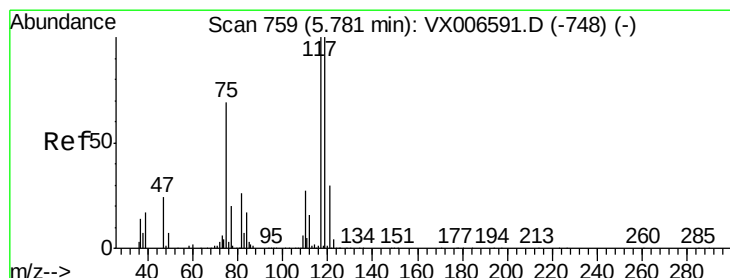
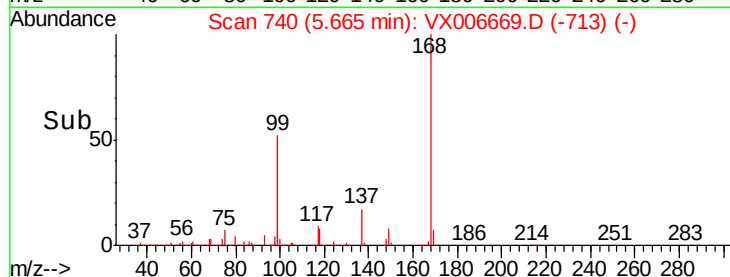
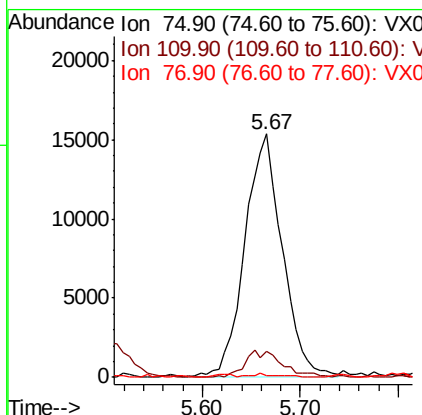
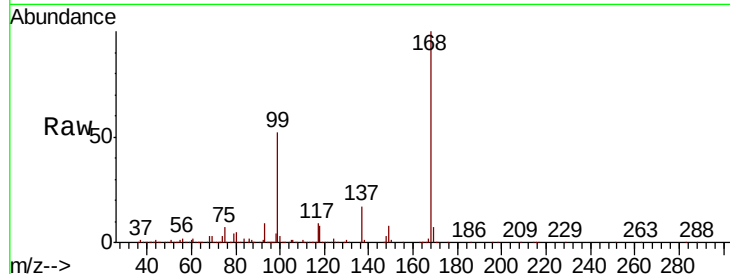




#36
 1,1-Dichloropropene
 Concen: 4.965 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX006669.D
 Acq: 20 Dec 2018 12:14

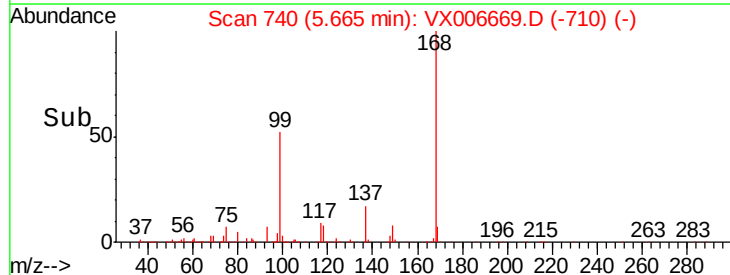
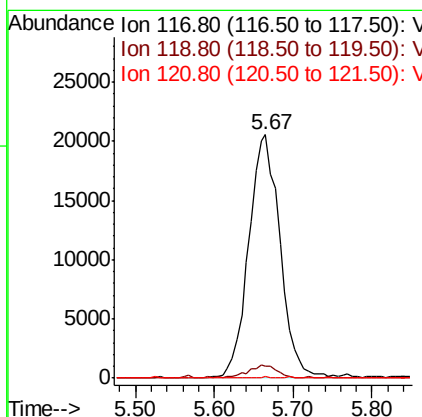
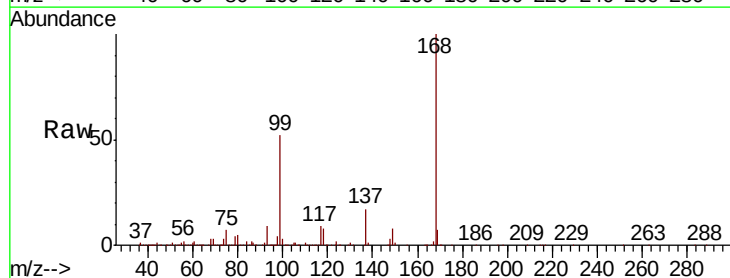
Instrument :
 MSVOA_X
 ClientSampleId :

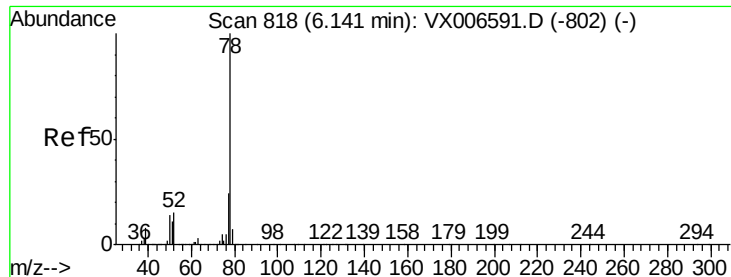
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.1	20.2	60.5#
77	0.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.198 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX006669.D
 Acq: 20 Dec 2018 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	79.4	119.2#
121	0.1	24.0	36.0#





#40

Benzene

Concen: 14.852 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX006669.D

Acq: 20 Dec 2018 12:14

Instrument :

MSVOA_X

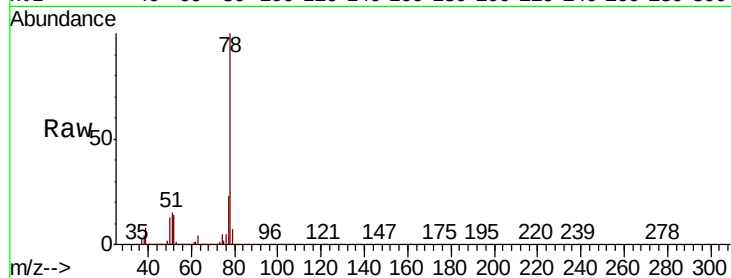
ClientSampled :

Tot Ion: 78 Resp: 367327

Ion Ratio Lower Upper

78 100

77 23.1 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.14

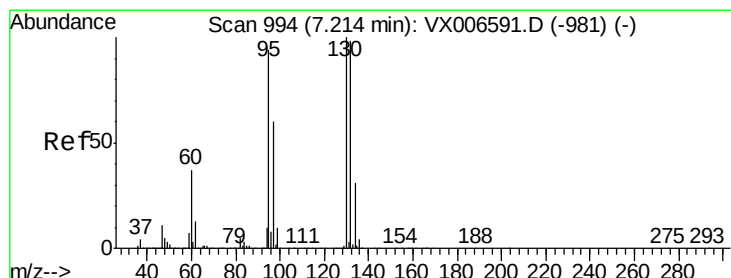
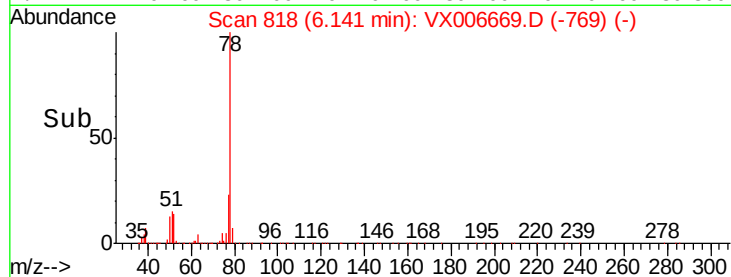
150000

100000

50000

0

Time-->



#44

Trichloroethene

Concen: 0.262 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006669.D

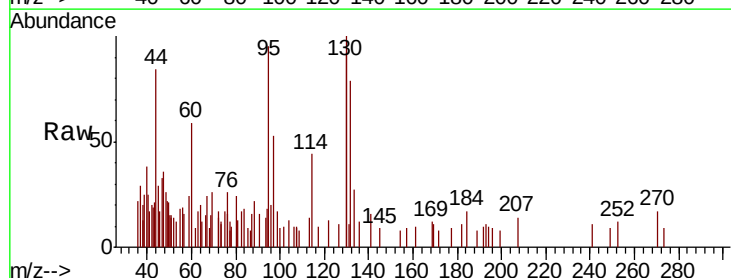
Acq: 20 Dec 2018 12:14

Tgt Ion:130 Resp: 1961

Ion Ratio Lower Upper

130 100

95 49.3 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

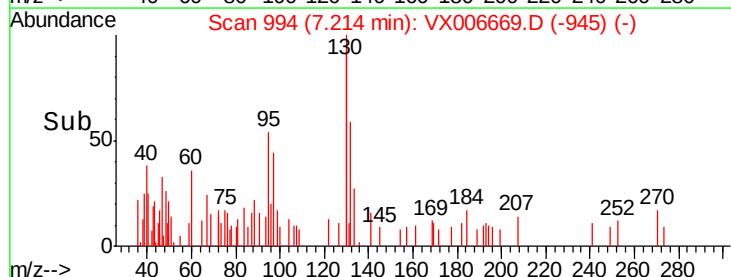
1500

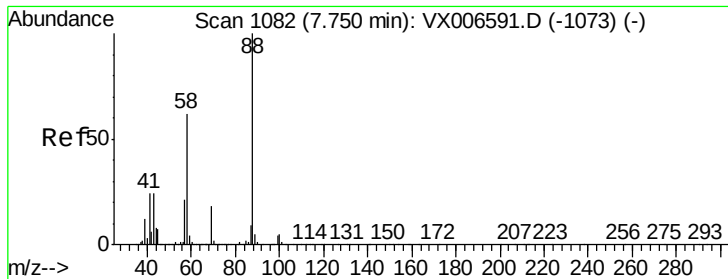
1000

500

0

Time-->

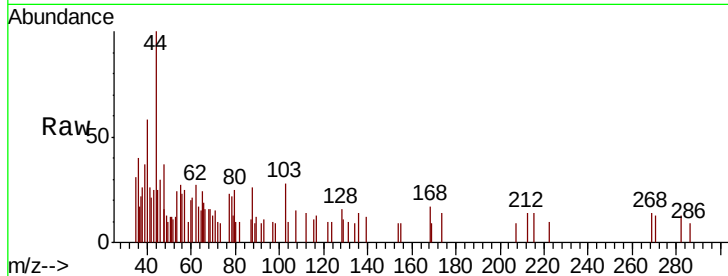




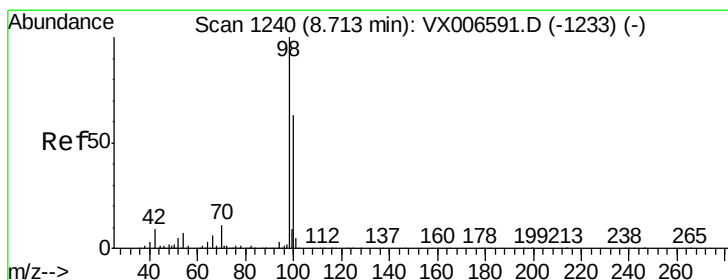
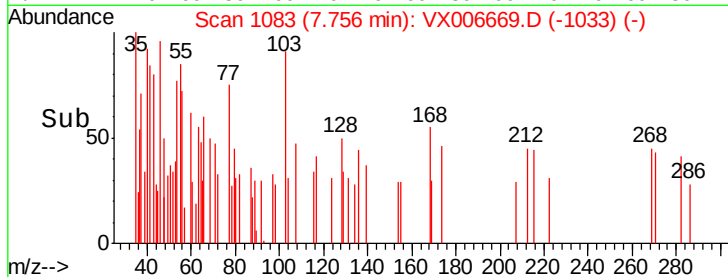
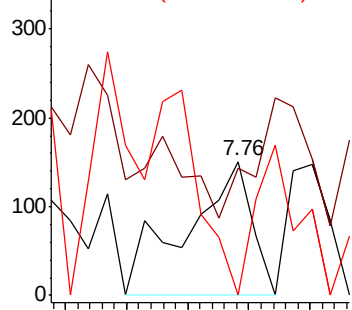
#49
1,4-Dioxane
Concen: Below Cal
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006669.D
Acq: 20 Dec 2018 12:14

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 225
Ion Ratio Lower Upper
88 100
43 76.9 22.2 33.4#
58 72.9 51.0 76.4

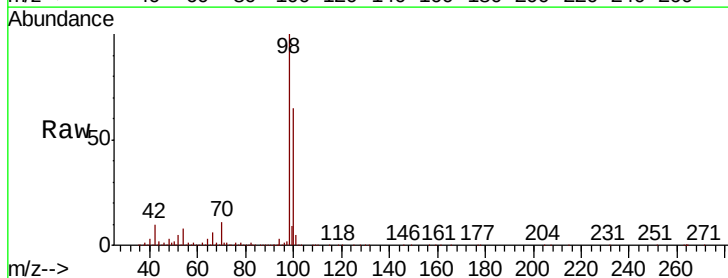


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

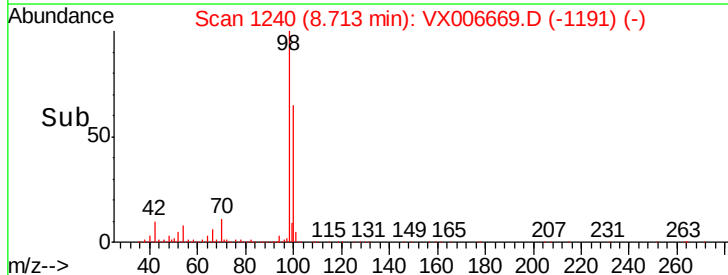
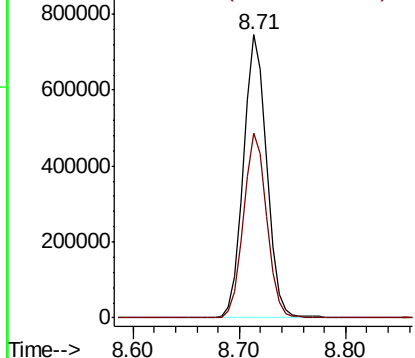


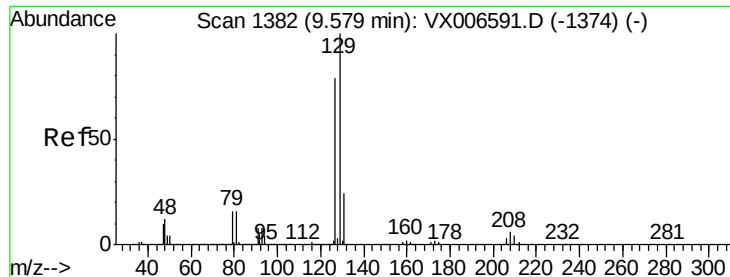
#50
Toluene-d8
Concen: 49.092 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006669.D
Acq: 20 Dec 2018 12:14

Tgt Ion: 98 Resp: 1149814
Ion Ratio Lower Upper
98 100
100 65.0 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: 2.337 ug/l

RT: 9.65 min Scan# 1393

Delta R.T. 0.07 min

Lab File: VX006669.D

Acq: 20 Dec 2018 12:14

Instrument :

MSVOA_X

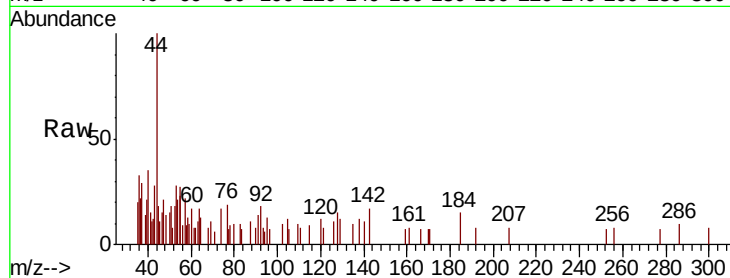
ClientSampled :

Tot Ion:129 Resp: 94

Ion Ratio Lower Upper

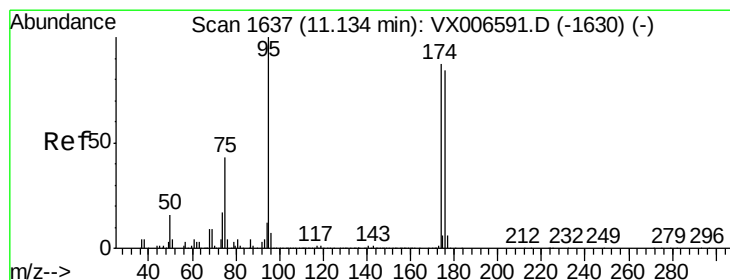
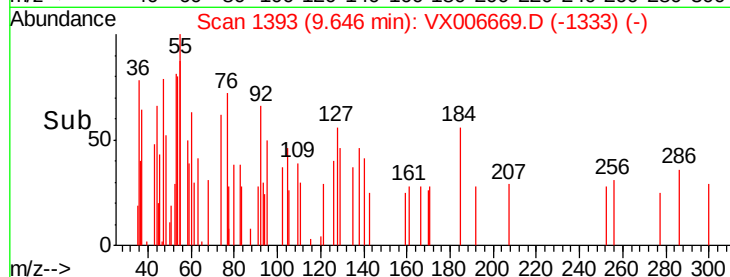
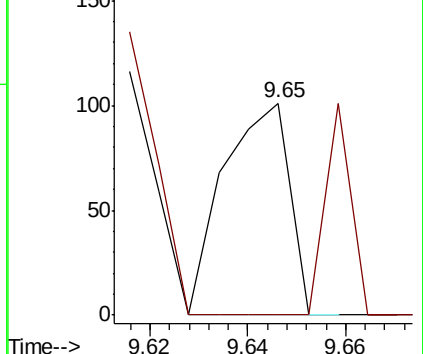
129 100

127 39.4 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: 49.328 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006669.D

Acq: 20 Dec 2018 12:14

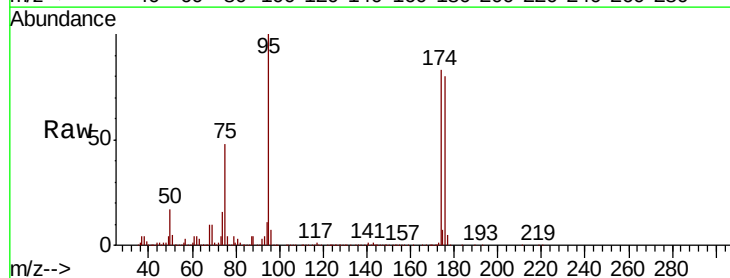
Tgt Ion: 95 Resp: 423133

Ion Ratio Lower Upper

95 100

174 86.5 0.0 182.2

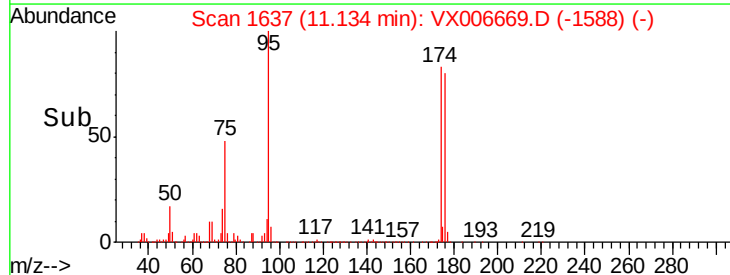
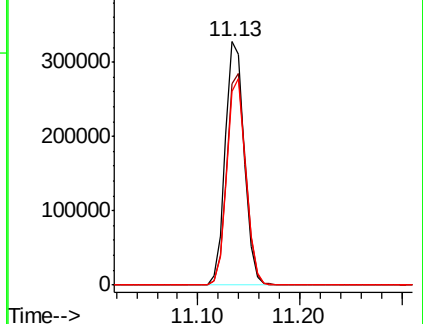
176 84.2 0.0 178.8

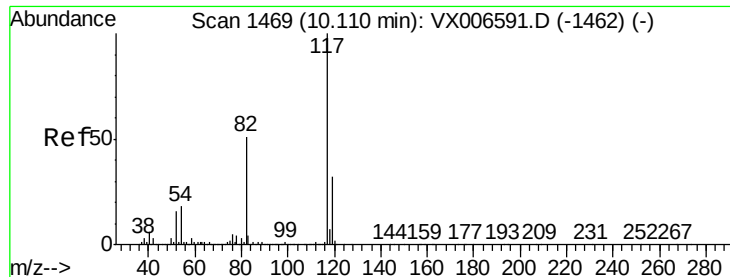


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

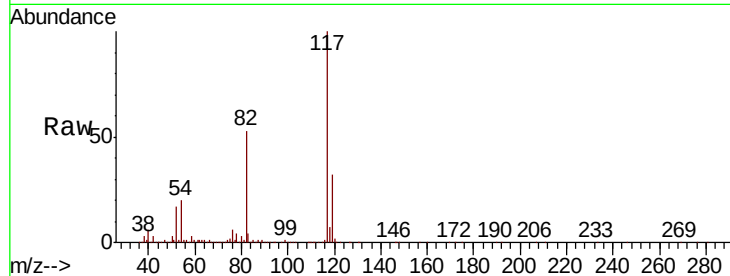




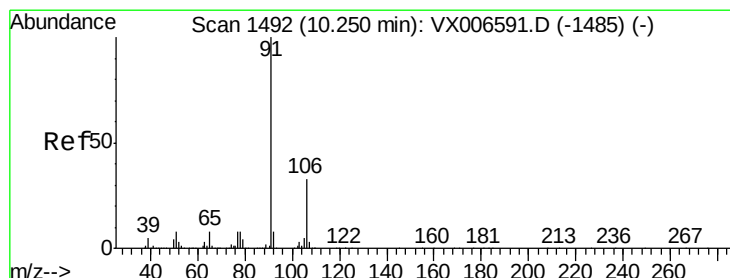
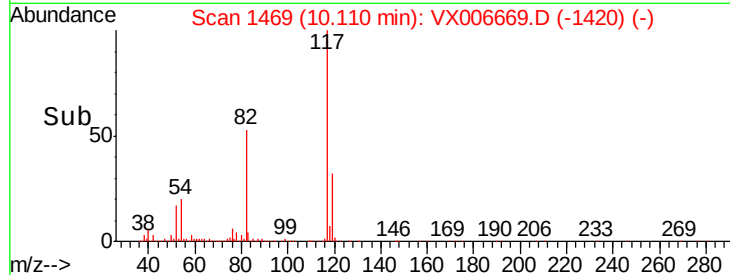
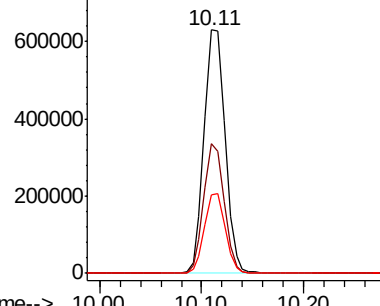
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006669.D
Acq: 20 Dec 2018 12:14

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 898635
Ion Ratio Lower Upper
117 100
82 53.4 41.0 61.6
119 32.3 25.4 38.0

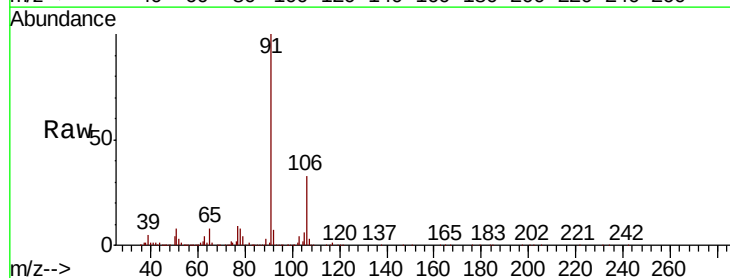


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

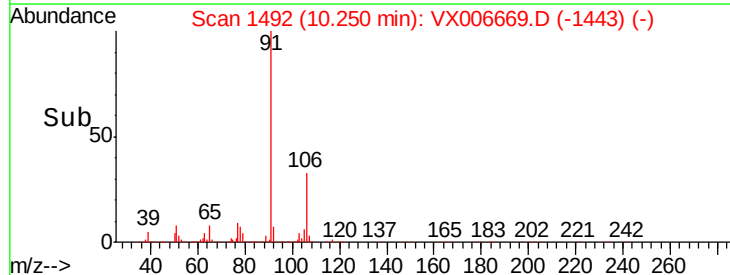
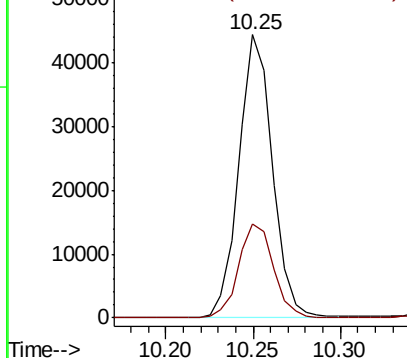


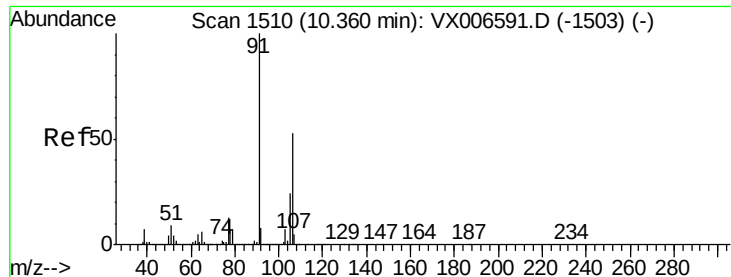
#67
Ethyl Benzene
Concen: 1.907 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX006669.D
Acq: 20 Dec 2018 12:14

Tgt Ion: 91 Resp: 59251
Ion Ratio Lower Upper
91 100
106 33.0 26.4 39.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

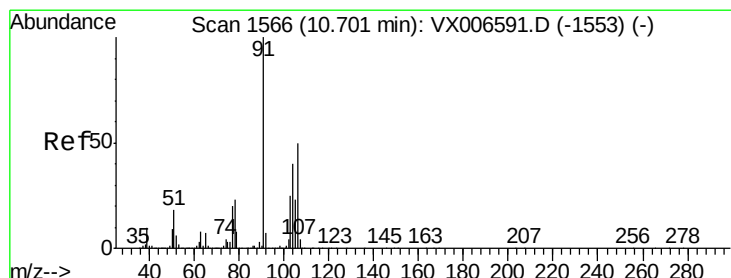
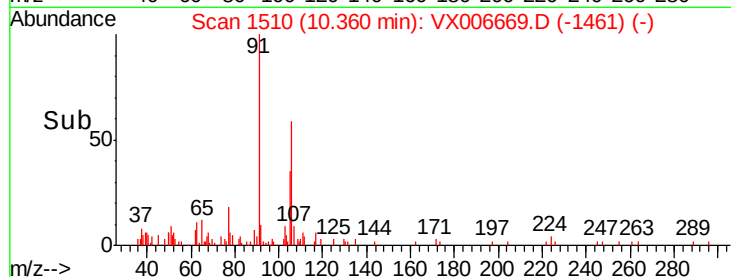
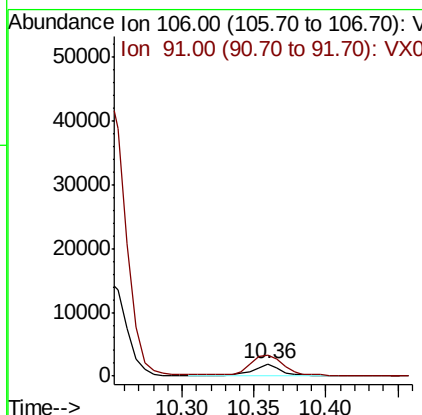
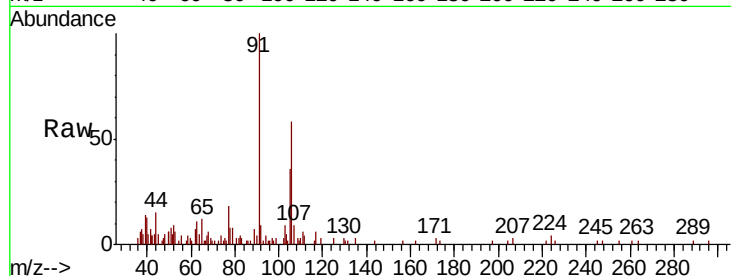




#68
m/p-Xylenes
Concen: 0.227 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX006669.D
Acq: 20 Dec 2018 12:14

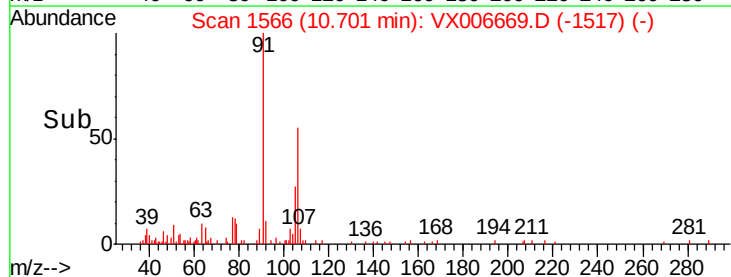
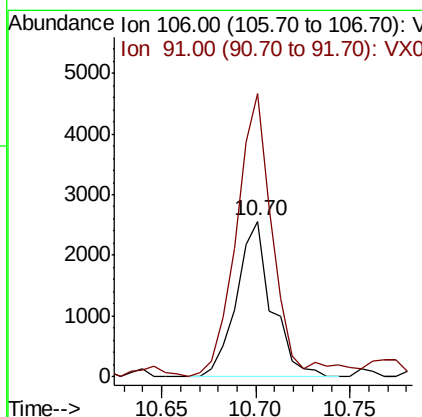
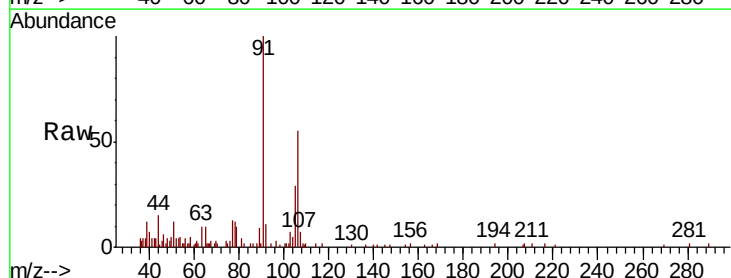
Instrument :
MSVOA_X
ClientSampleId :

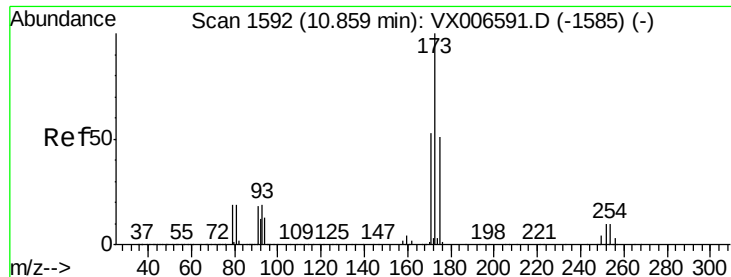
Tot Ion:106 Resp: 2785
Ion Ratio Lower Upper
106 100
91 183.4 155.8 233.6



#69
o-Xylene
Concen: 0.274 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006669.D
Acq: 20 Dec 2018 12:14

Tgt Ion:106 Resp: 3313
Ion Ratio Lower Upper
106 100
91 192.2 101.3 303.7

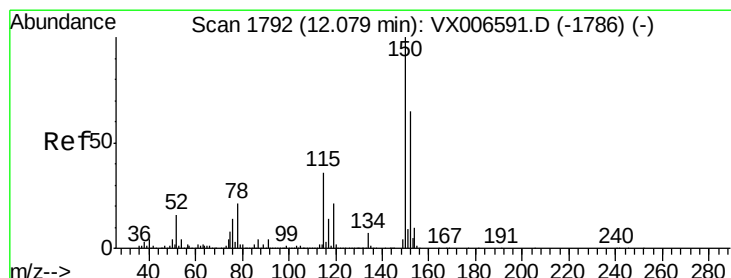
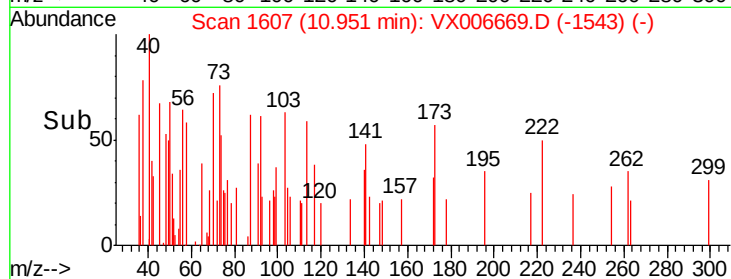
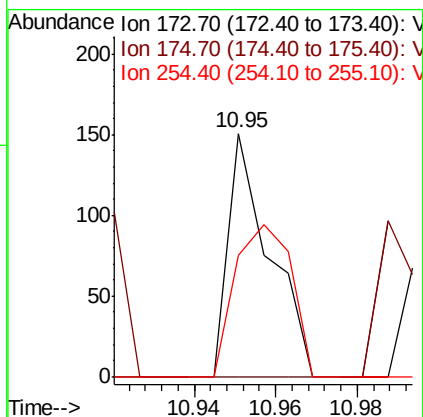
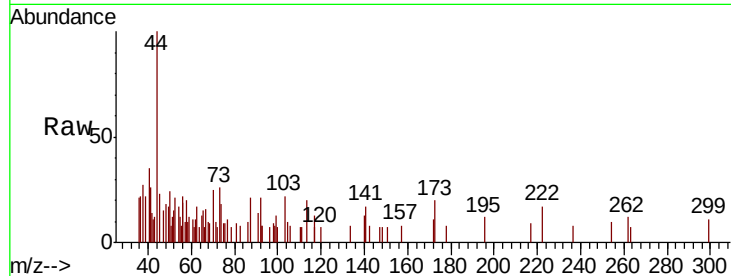




#71
Bromoform
Concen: 4.478 ug/l
RT: 10.95 min Scan# 1607
Delta R.T. 0.09 min
Lab File: VX006669.D
Acq: 20 Dec 2018 12:14

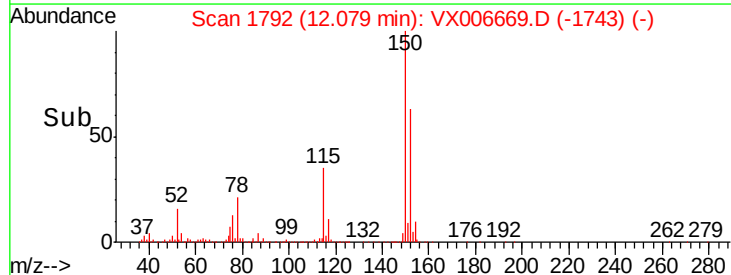
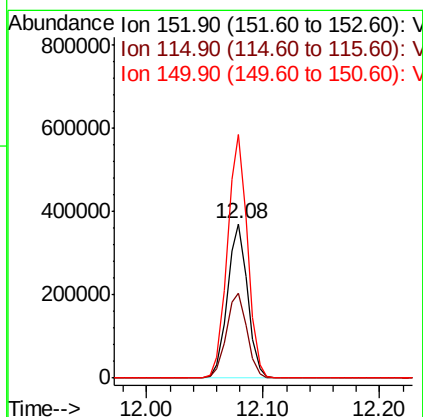
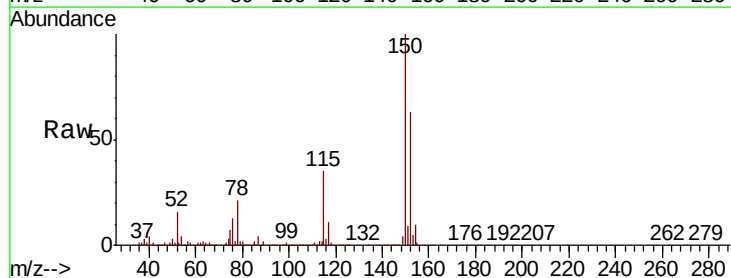
Instrument :
MSVOA_X
ClientSampleId :

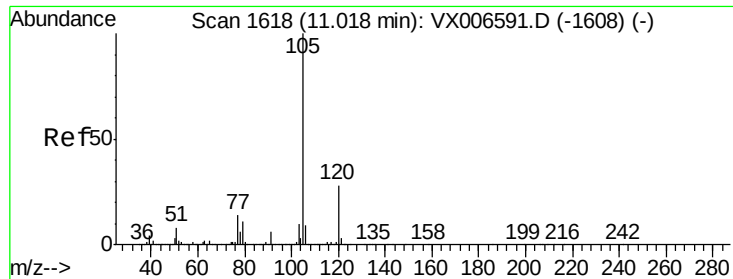
Tot Ion:173 Resp: 106
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
254 84.9 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006669.D
Acq: 20 Dec 2018 12:14

Tgt Ion:152 Resp: 443665
Ion Ratio Lower Upper
152 100
115 56.2 39.1 117.2
150 157.0 0.0 344.8





#73

Isopropylbenzene

Concen: 0.375 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006669.D

Acq: 20 Dec 2018 12:14

Instrument :

MSVOA_X

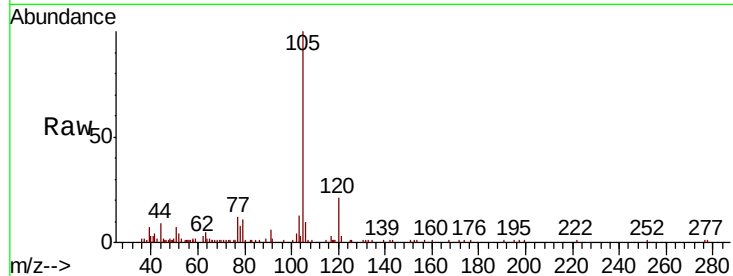
ClientSampleId :

Tot Ion:105 Resp: 11369

Ion Ratio Lower Upper

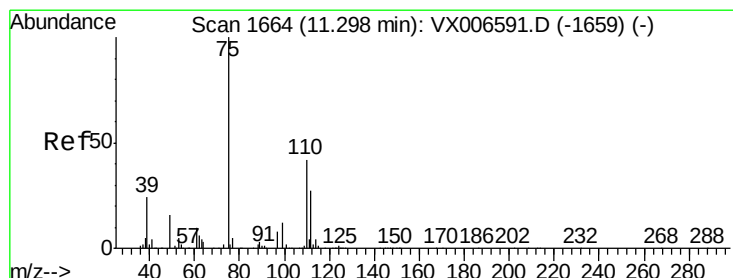
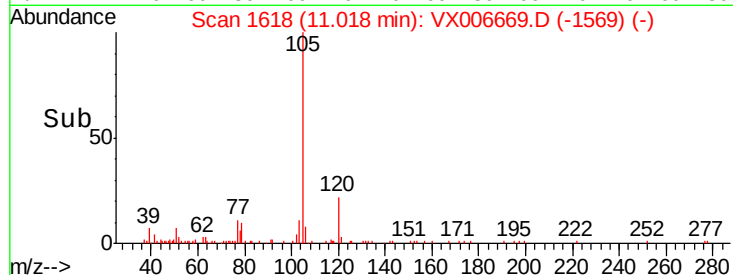
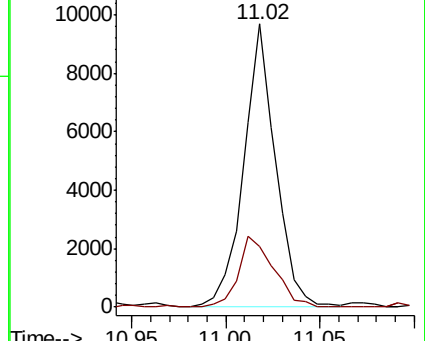
105 100

120 27.6 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 24.235 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006669.D

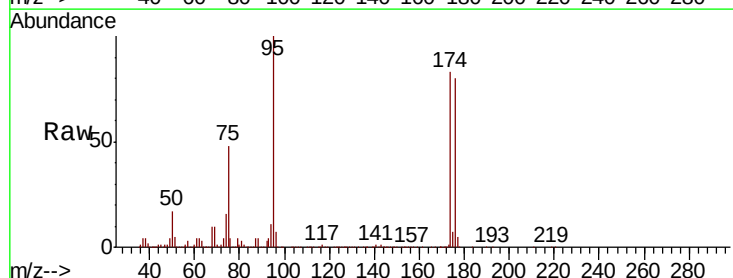
Acq: 20 Dec 2018 12:14

Tgt Ion: 75 Resp: 199819

Ion Ratio Lower Upper

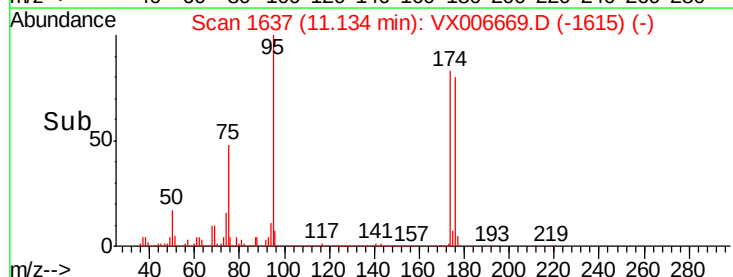
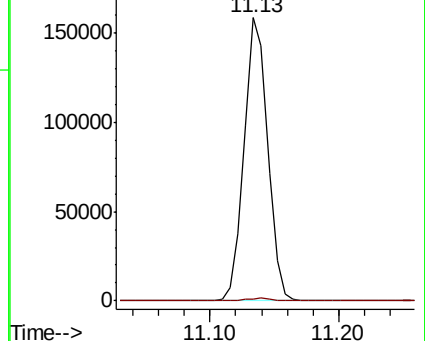
75 100

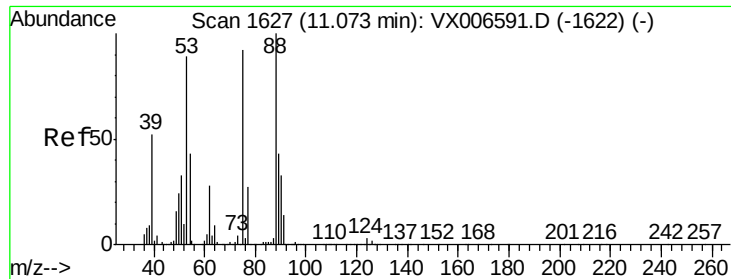
77 1.1 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

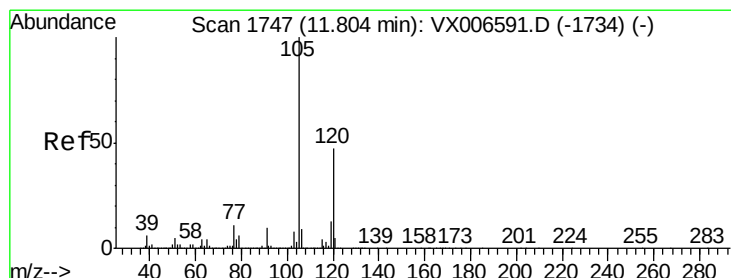
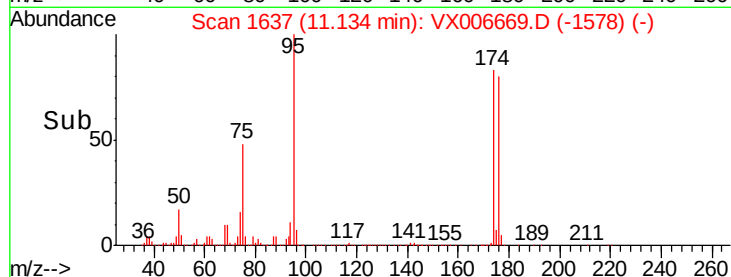
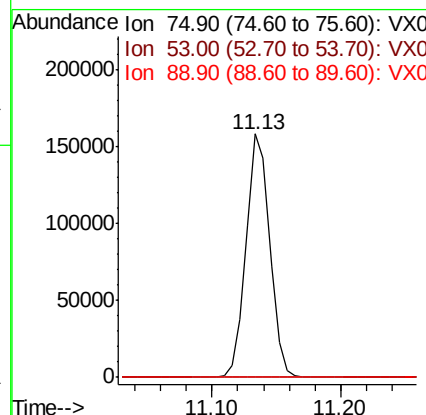
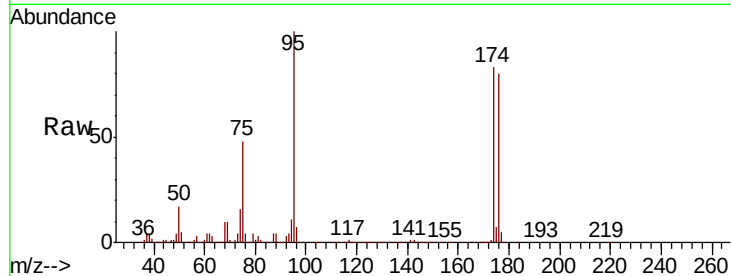




#81
trans-1,4-Dichloro-2-butene
Concen: 71.742 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX006669.D
Acq: 20 Dec 2018 12:14

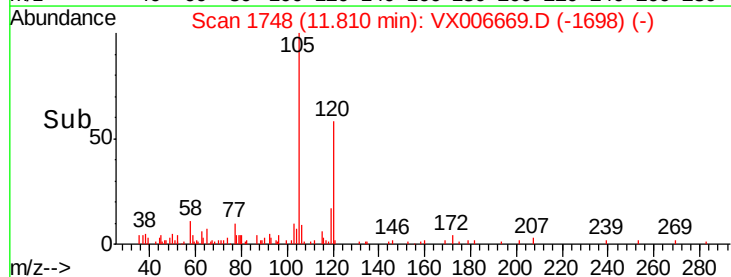
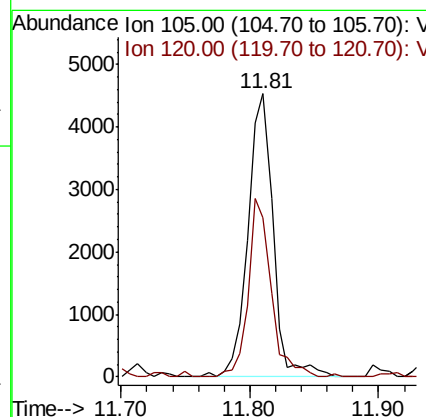
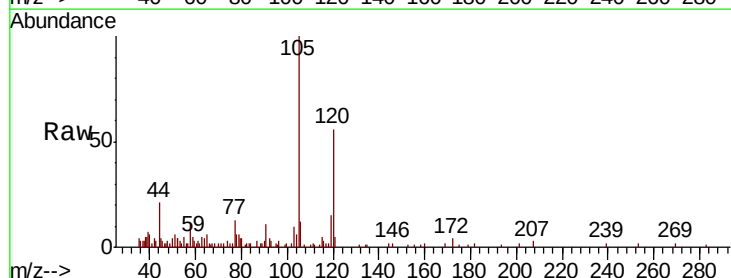
Instrument :
MSVOA_X
ClientSampleId :

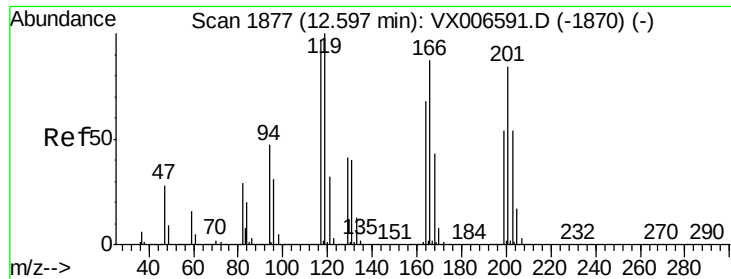
Tot Ion: 75 Resp: 199819
Ion Ratio Lower Upper
75 100
53 0.1 79.7 119.5#
89 0.0 38.0 57.0#



#84
1,2,4-Trimethylbenzene
Concen: 0.230 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VX006669.D
Acq: 20 Dec 2018 12:14

Tgt Ion: 105 Resp: 6057
Ion Ratio Lower Upper
105 100
120 57.2 23.2 69.6





#90

Hexachloroethane

Concen: 3.929 ug/l

RT: 12.47 min Scan# 1856

Delta R.T. -0.13 min

Lab File: VX006669.D

Acq: 20 Dec 2018 12:14

Instrument :

MSVOA_X

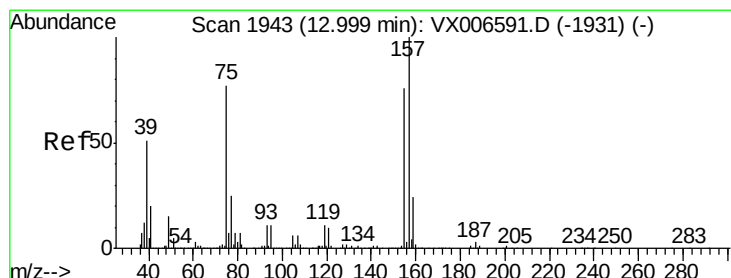
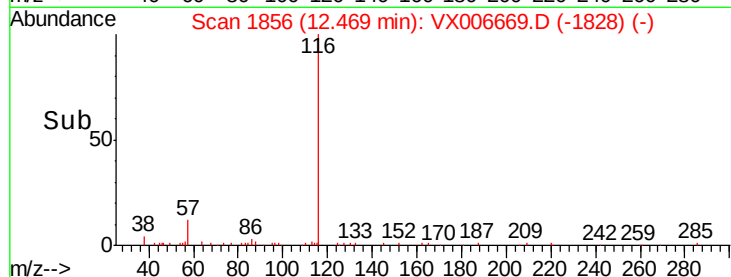
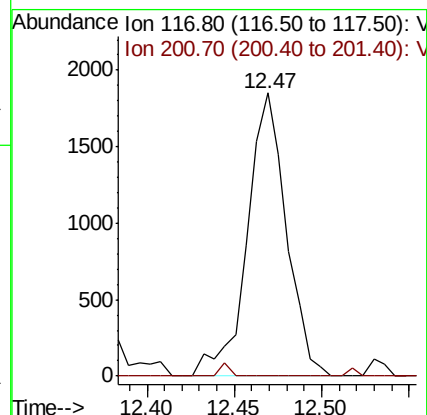
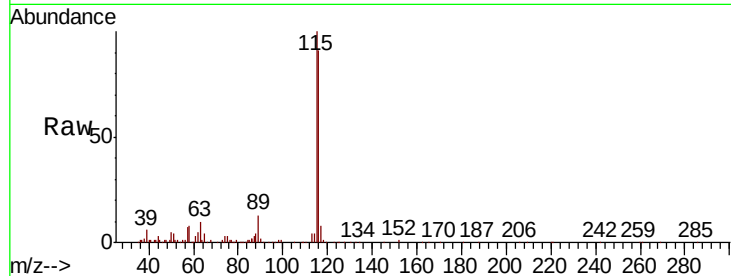
ClientSampleId :

Tot Ion:117 Resp: 2873

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.038 ug/l

RT: 13.02 min Scan# 1947

Delta R.T. 0.02 min

Lab File: VX006669.D

Acq: 20 Dec 2018 12:14

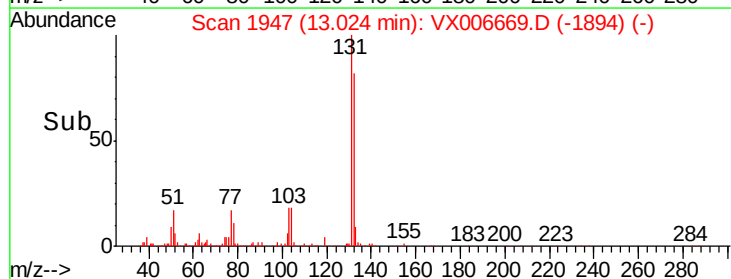
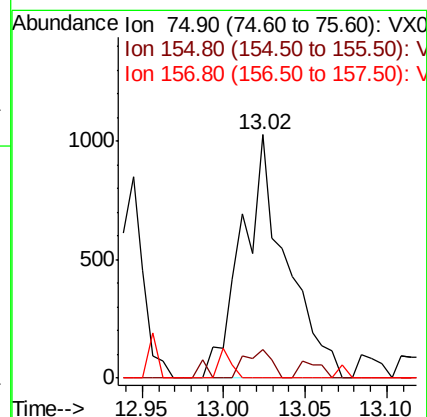
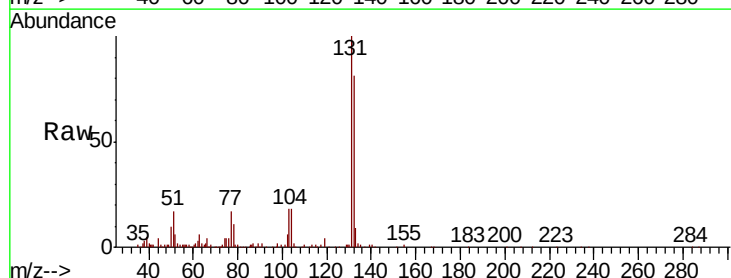
Tgt Ion: 75 Resp: 1938

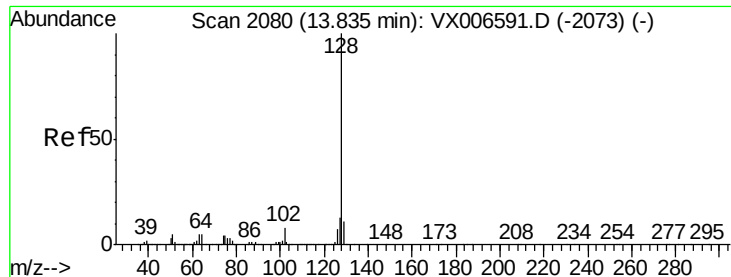
Ion Ratio Lower Upper

75 100

155 6.9 50.6 151.8#

157 0.0 64.6 193.8#

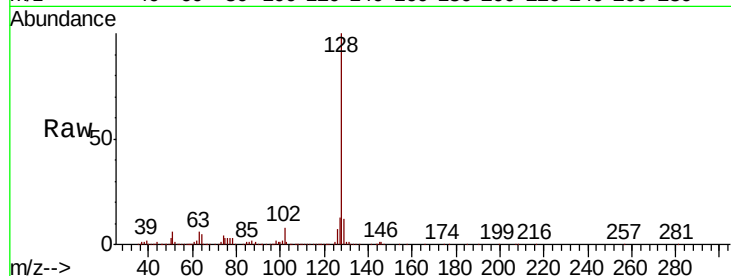




#95
Naphthalene
Concen: 3.774 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006669.D
Acq: 20 Dec 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.1	15.1
129	11.1	8.6	13.0



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

