

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122218\
 Data File : VX006769.D
 Acq On : 22 Dec 2018 13:56
 Operator : JC/MD
 Sample : J6519-07DL 40X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 24 04:24:20 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	634858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	991174	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	898196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	422501	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	337883	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
35) Dibromofluoromethane	5.50	113	293333	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	
50) Toluene-d8	8.71	98	1160116	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
62) 4-Bromofluorobenzene	11.13	95	404663	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	

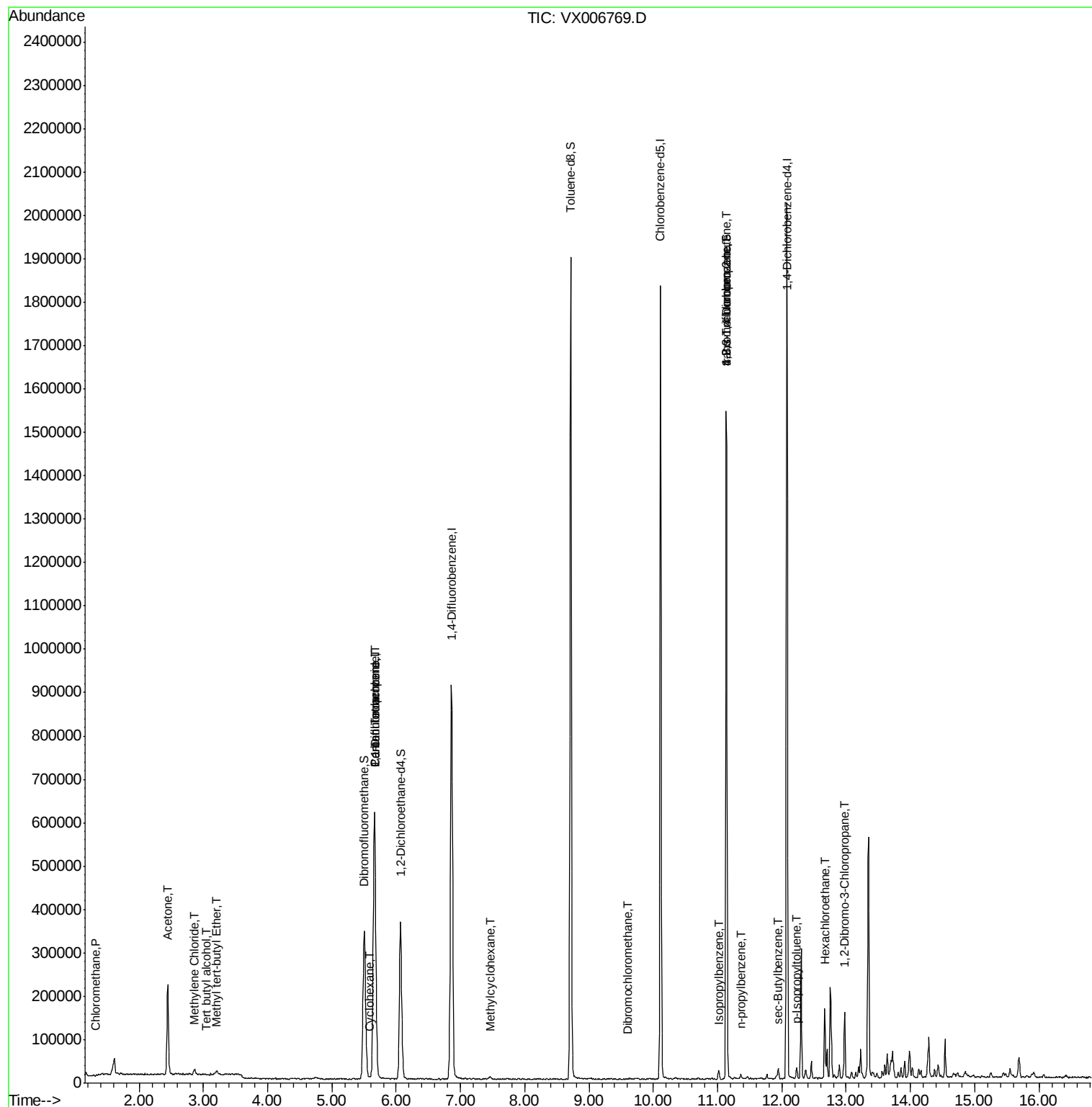
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1728	0.276	ug/l	97
5) Bromomethane	1.64	94	688	Below Cal	#	37
11) Tert butyl alcohol	3.05	59	1398	0.916	ug/l #	77
16) Acetone	2.45	43	218453	69.493	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	10144	0.539	ug/l #	86
20) Methylene Chloride	2.86	84	6184	0.951	ug/l	87
28) Bromochloromethane	5.04	49	283	Below Cal	#	17
31) Cyclohexane	5.59	56	2050	0.216	ug/l #	73
36) 1,1-Dichloropropene	5.67	75	43375	5.284	ug/l #	48
38) Carbon Tetrachloride	5.67	117	58633	7.349	ug/l #	16
39) Methylcyclohexane	7.46	83	2862	0.265	ug/l #	87
49) 1,4-Dioxane	7.72	88	142	Below Cal	#	8
60) Dibromochloromethane	9.60	129	20	2.327	ug/l #	1
73) Isopropylbenzene	11.02	105	10103	0.350	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	194556	24.778	ug/l #	40
78) n-propylbenzene	11.36	91	6820	0.214	ug/l	87
81) trans-1,4-Dichloro-2-buten	11.13	75	194556	73.257	ug/l #	10
85) sec-Butylbenzene	11.94	105	10371	0.355	ug/l #	75
86) p-Isopropyltoluene	12.23	119	9577	0.373	ug/l	92
90) Hexachloroethane	12.66	117	7659	5.073	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	12.98	75	674	0.379	ug/l #	1

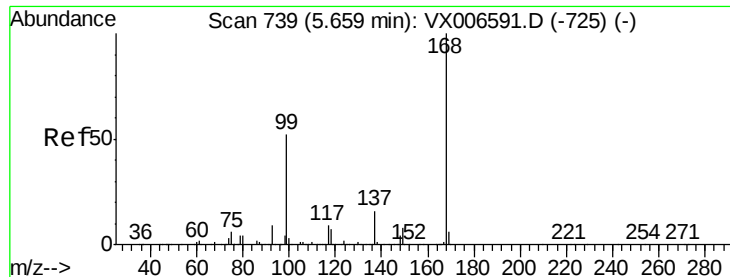
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006769.D

Acq: 22 Dec 2018 13:56

Instrument :

MSVOA_X

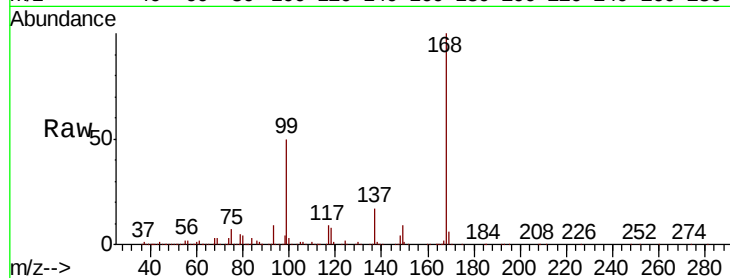
ClientSampleId :

Tot Ion:168 Resp: 634858

Ion Ratio Lower Upper

168 100

99 49.9 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

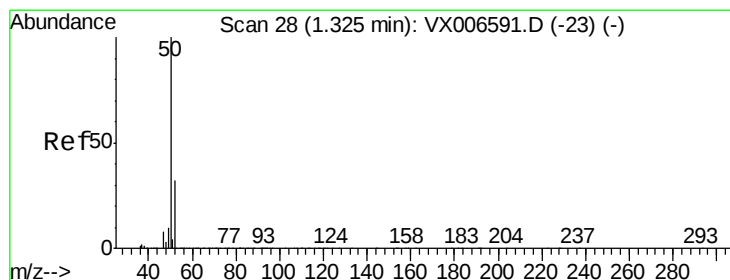
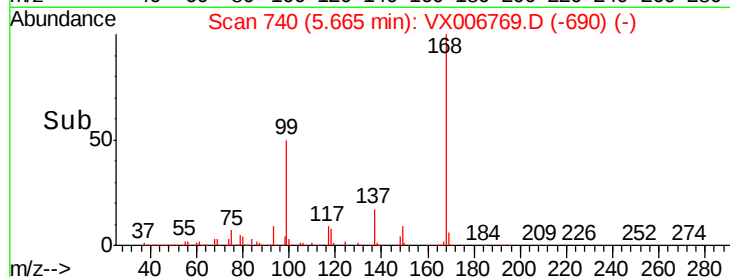
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.276 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006769.D

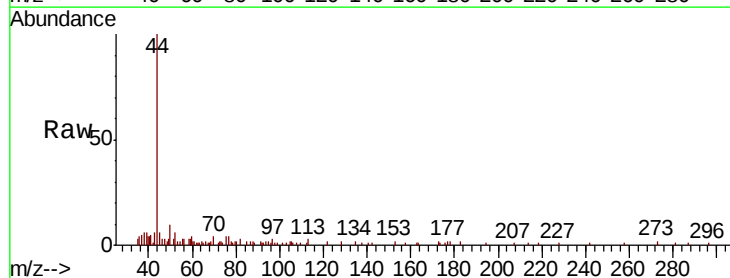
Acq: 22 Dec 2018 13:56

Tgt Ion: 50 Resp: 1728

Ion Ratio Lower Upper

50 100

52 30.0 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

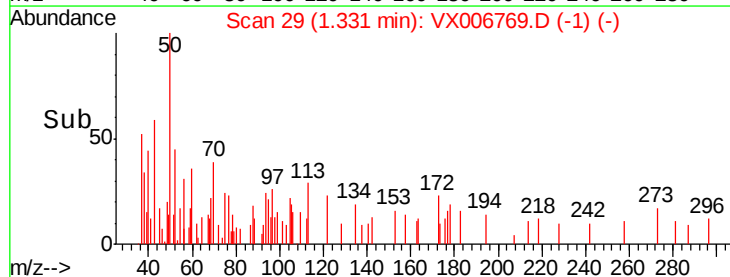
600

400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006769.D

Acq: 22 Dec 2018 13:56

Instrument :

MSVOA_X

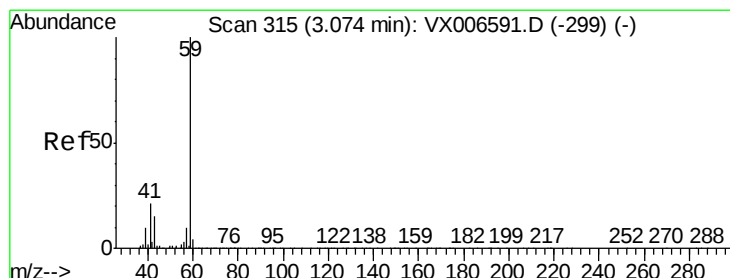
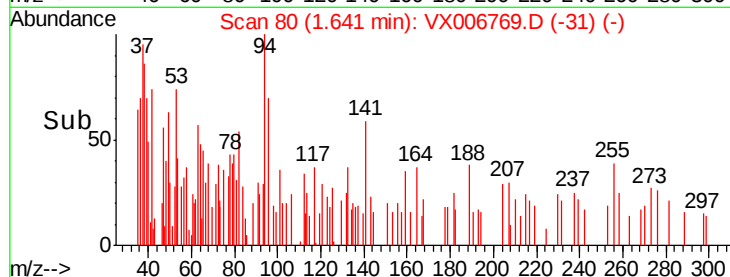
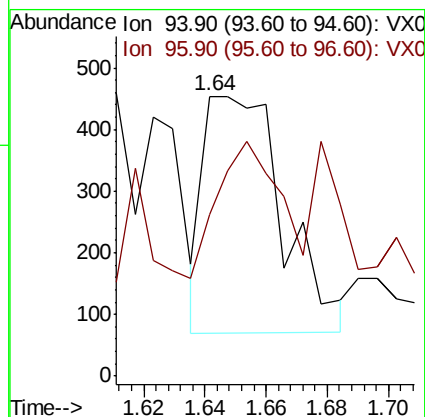
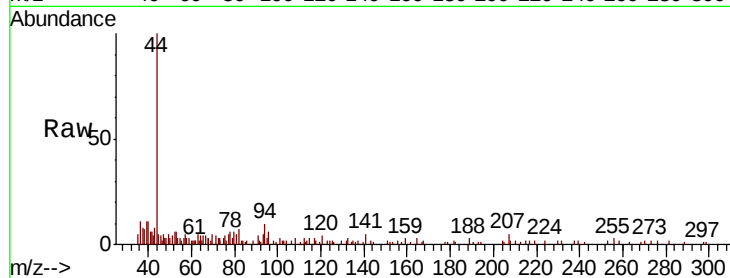
ClientSampleId :

Tot Ion: 94 Resp: 688

Ion Ratio Lower Upper

94 100

96 31.5 73.4 110.2#



#11

Tert butyl alcohol

Concen: 0.916 ug/l

RT: 3.05 min Scan# 311

Delta R.T. -0.02 min

Lab File: VX006769.D

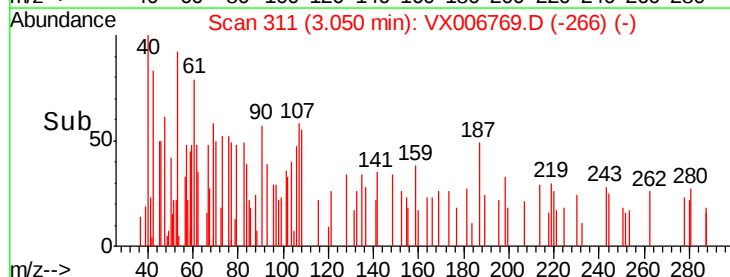
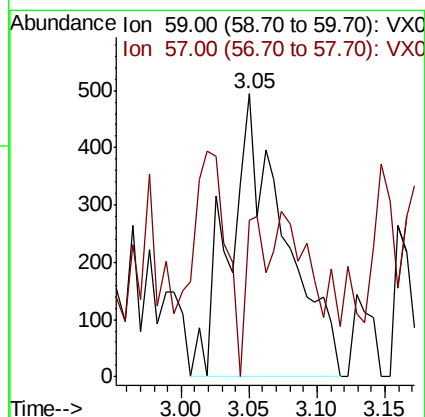
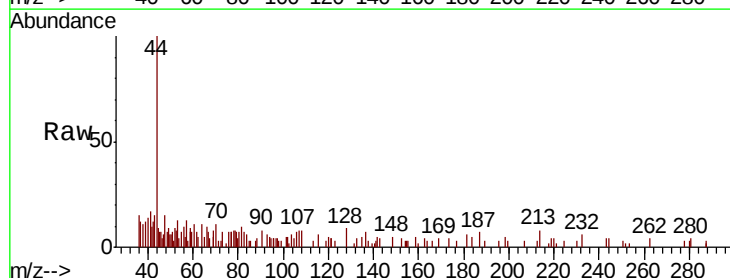
Acq: 22 Dec 2018 13:56

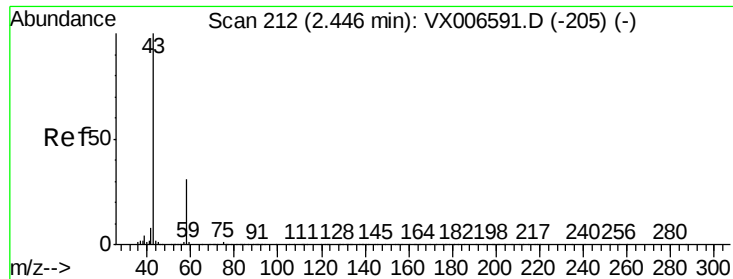
Tgt Ion: 59 Resp: 1398

Ion Ratio Lower Upper

59 100

57 19.2 8.5 12.7#

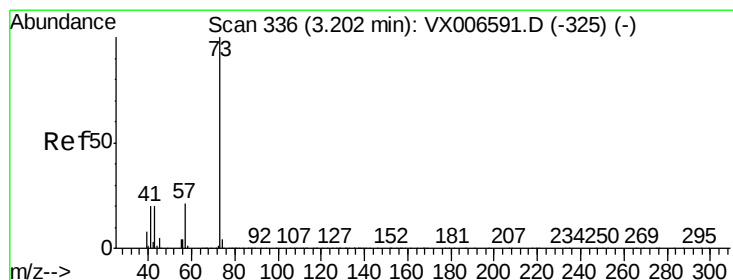
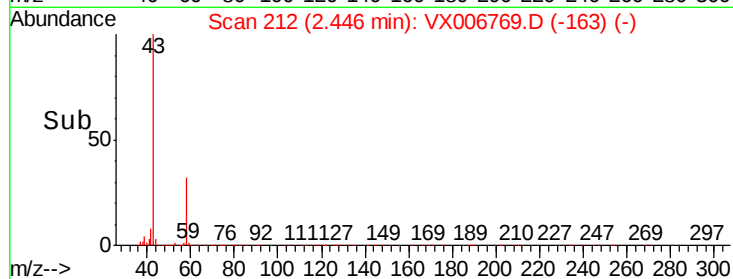
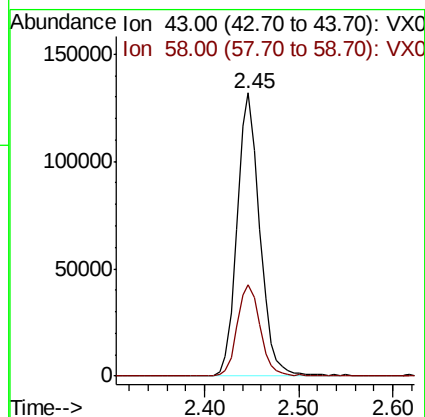
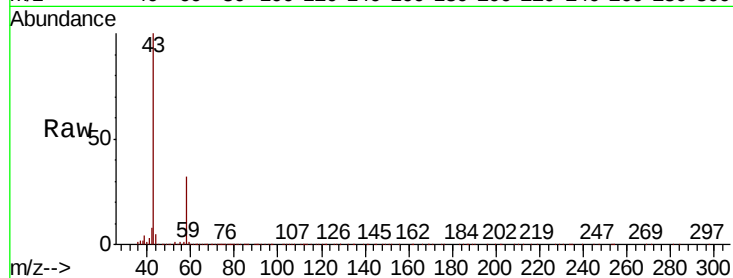




#16
Acetone
Concen: 69.493 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006769.D
Acq: 22 Dec 2018 13:56

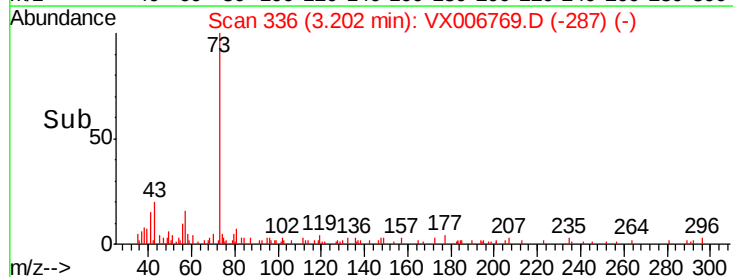
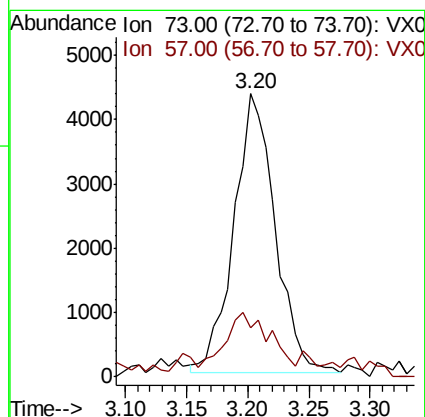
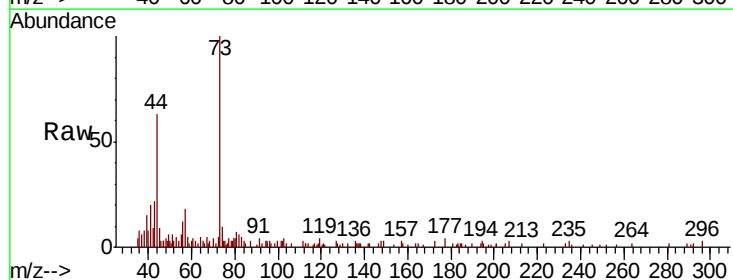
Instrument :
MSVOA_X
ClientSampleId :

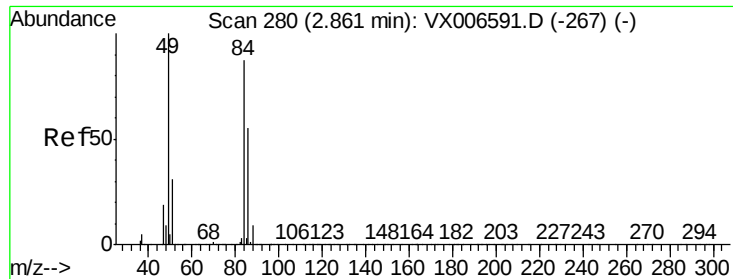
Tot Ion: 43 Resp: 218453
Ion Ratio Lower Upper
43 100
58 32.2 25.0 37.6



#19
Methyl tert-butyl Ether
Concen: 0.539 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006769.D
Acq: 22 Dec 2018 13:56

Tgt Ion: 73 Resp: 10144
Ion Ratio Lower Upper
73 100
57 14.7 16.8 25.2#

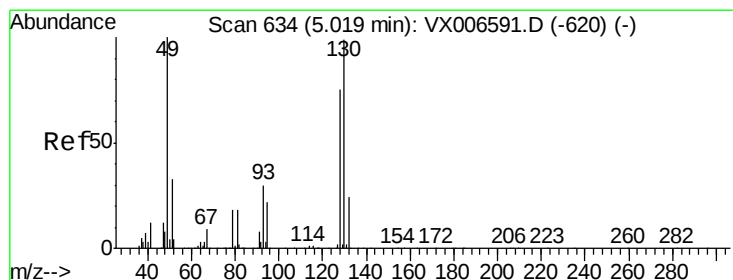
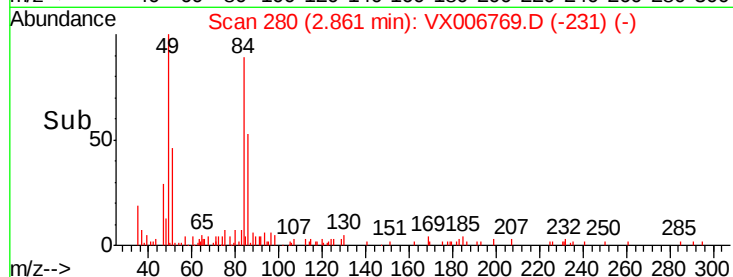
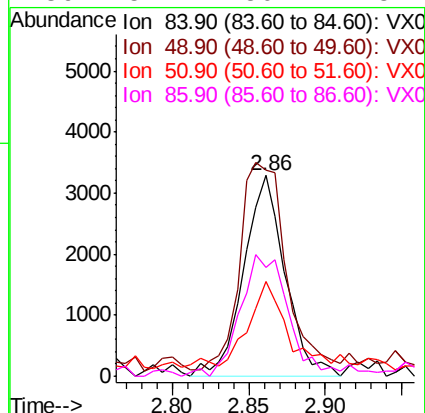
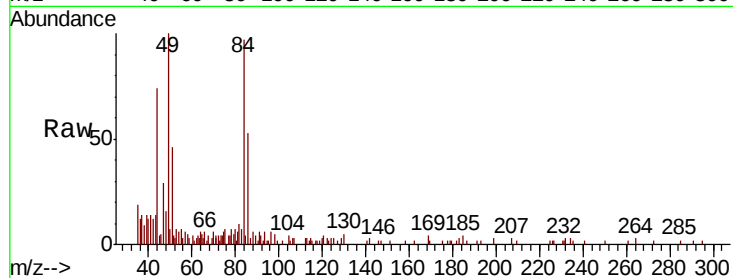




#20
Methvlene Chloride
Concen: 0.951 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006769.D
Acq: 22 Dec 2018 13:56

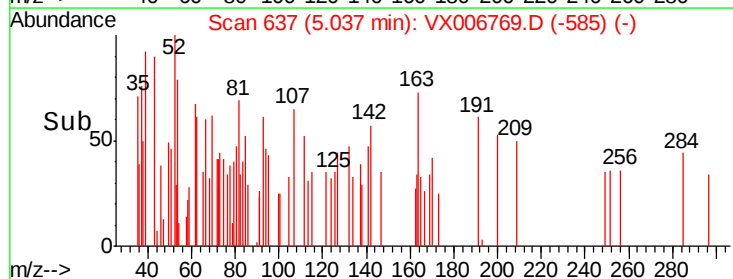
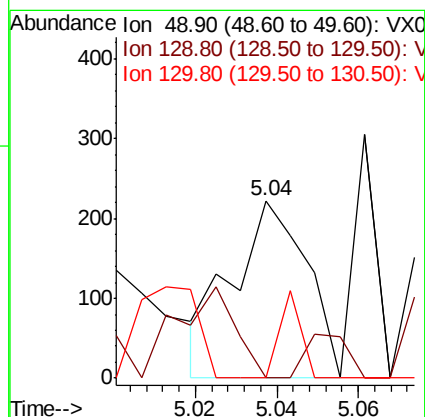
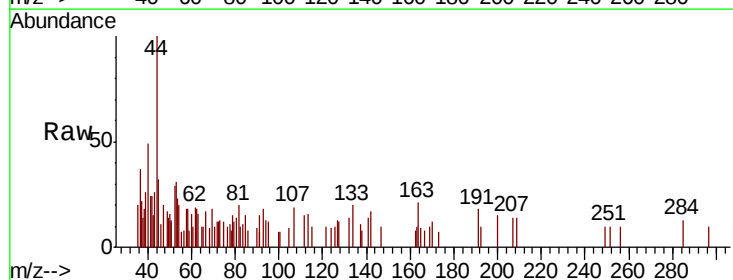
Instrument :
MSVOA_X
ClientSampleId :

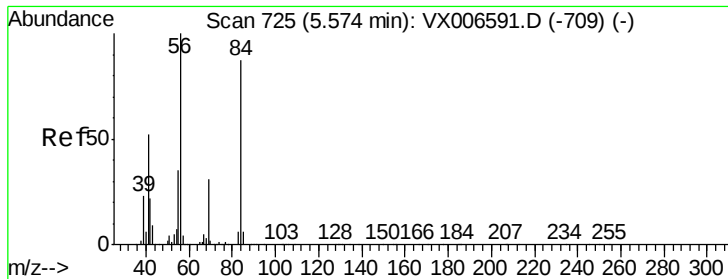
Tot Ion: 84 Resp: 6184
Ion Ratio Lower Upper
84 100
49 99.7 91.8 137.6
51 41.7 28.5 42.7
86 52.4 50.2 75.2



#28
Bromochloromethane
Concen: Below Cal
RT: 5.04 min Scan# 637
Delta R.T. 0.02 min
Lab File: VX006769.D
Acq: 22 Dec 2018 13:56

Tgt Ion: 49 Resp: 283
Ion Ratio Lower Upper
49 100
129 13.8 0.0 5.4#
130 14.1 77.7 116.5#

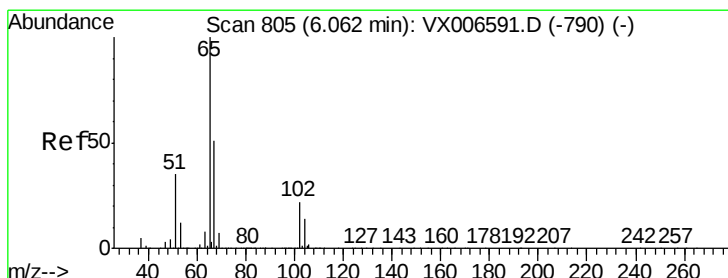
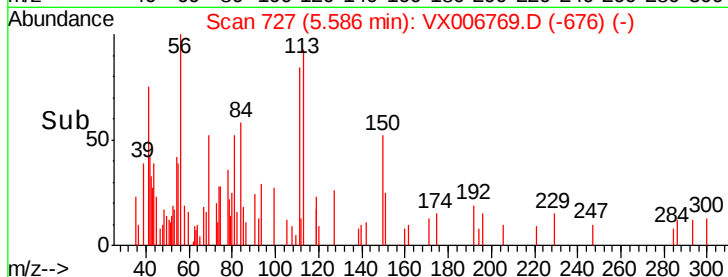
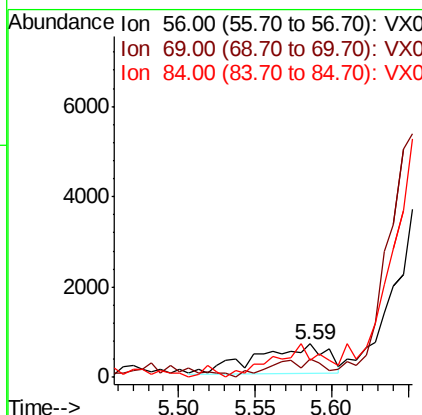
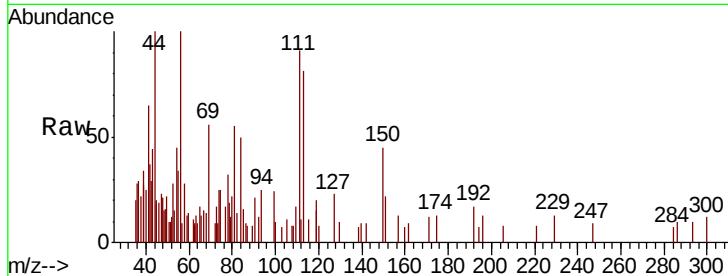




#31
Cyclohexane
Concen: 0.216 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX006769.D
Acq: 22 Dec 2018 13:56

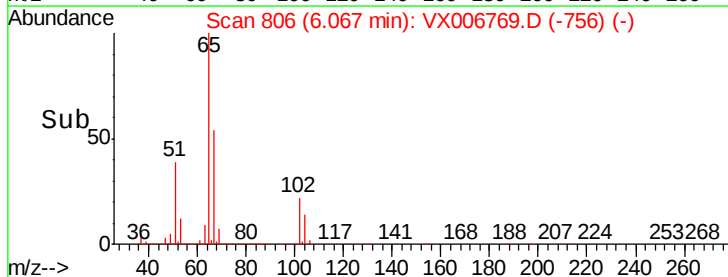
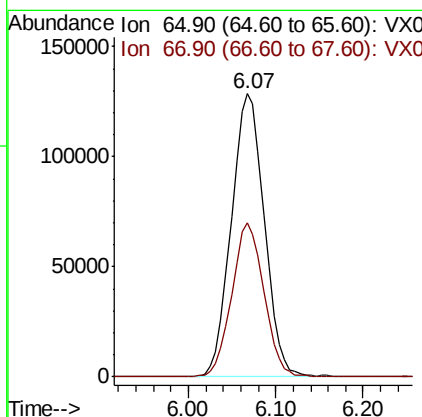
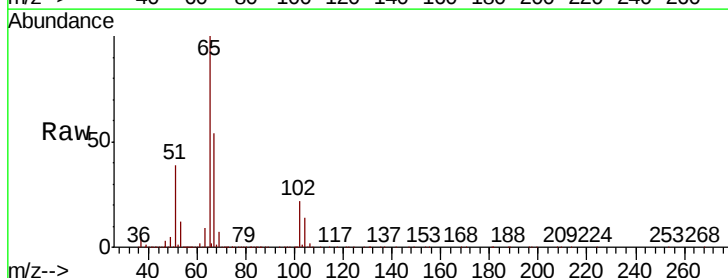
Instrument :
MSVOA_X
ClientSampled :

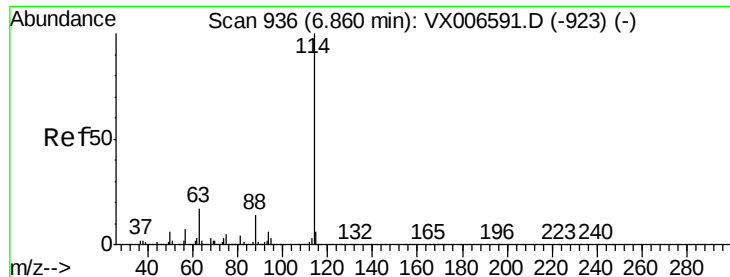
Tot Ion: 56 Resp: 2050
Ion Ratio Lower Upper
56 100
69 36.3 24.4 36.6
84 56.9 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 49.382 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006769.D
Acq: 22 Dec 2018 13:56

Tgt Ion: 65 Resp: 337883
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006769.D

Acq: 22 Dec 2018 13:56

Instrument :

MSVOA_X

ClientSampled :

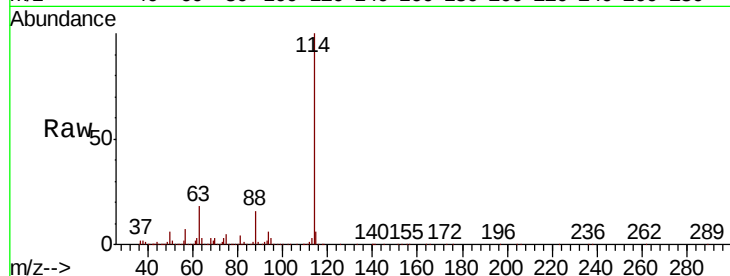
Tot Ion:114 Resp: 991174

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.8

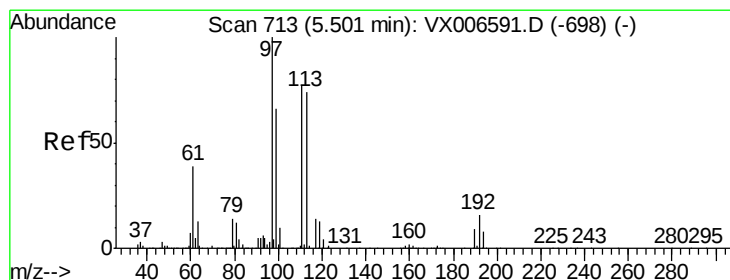
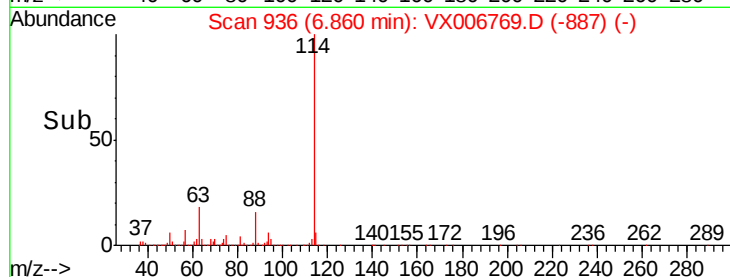
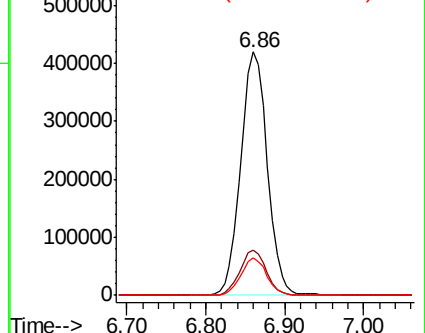
88 15.5 0.0 28.8



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: 46.799 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006769.D

Acq: 22 Dec 2018 13:56

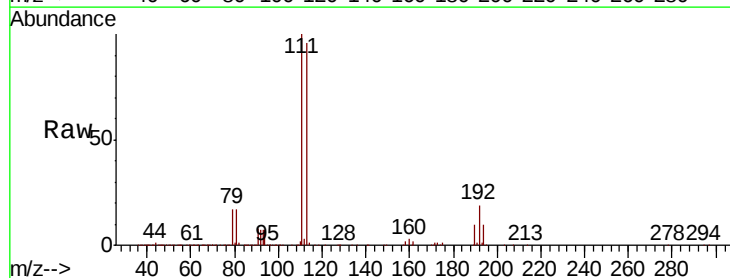
Tgt Ion:113 Resp: 293333

Ion Ratio Lower Upper

113 100

111 102.9 81.6 122.4

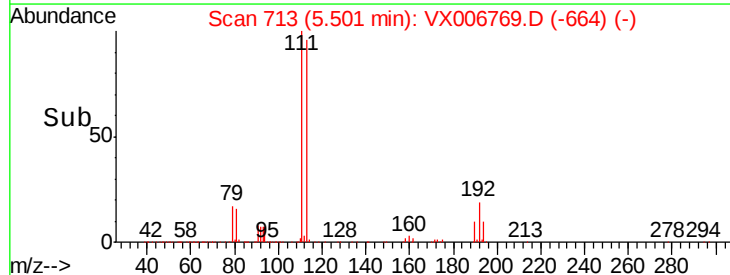
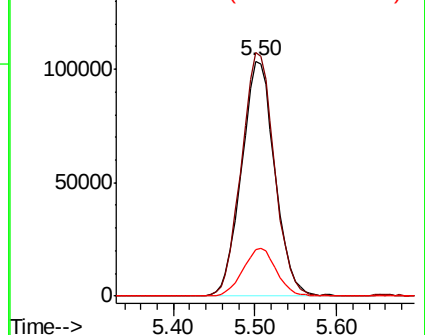
192 20.5 16.7 25.1

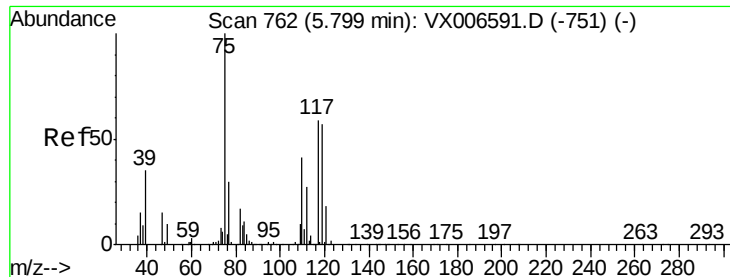


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.284 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006769.D

Acq: 22 Dec 2018 13:56

Instrument :

MSVOA_X

ClientSampleId :

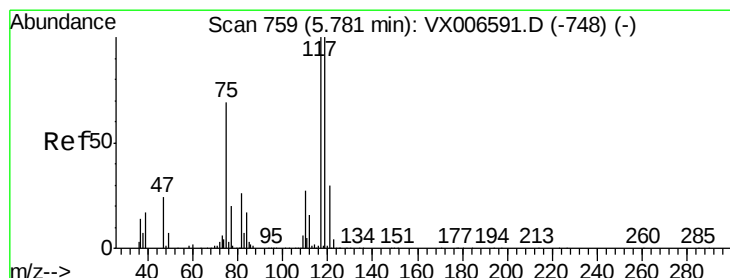
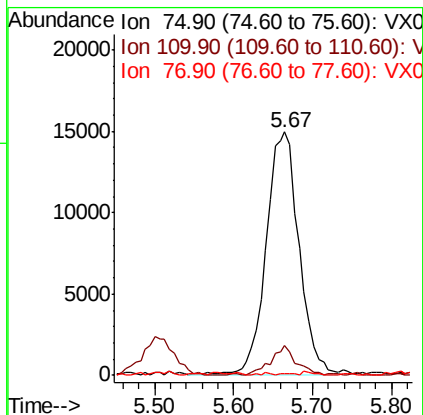
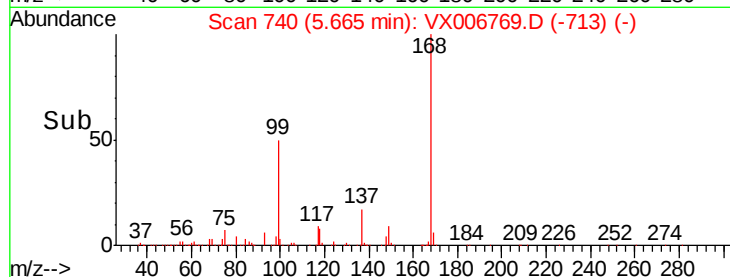
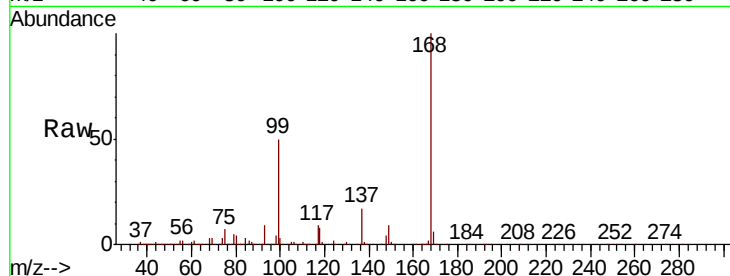
Tot Ion: 75 Resp: 43375

Ion Ratio Lower Upper

75 100

110 9.6 20.2 60.5#

77 0.4 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.349 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006769.D

Acq: 22 Dec 2018 13:56

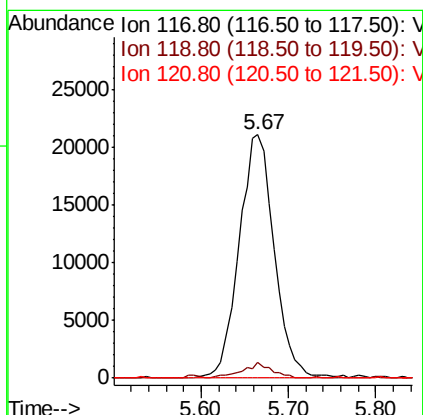
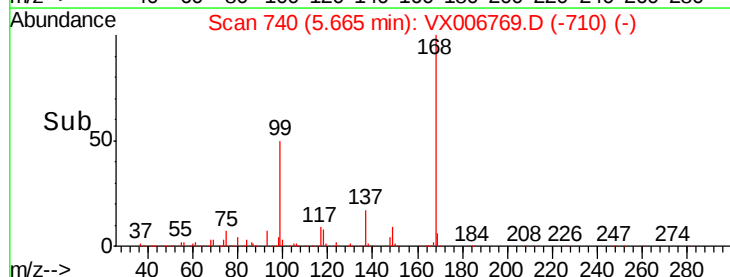
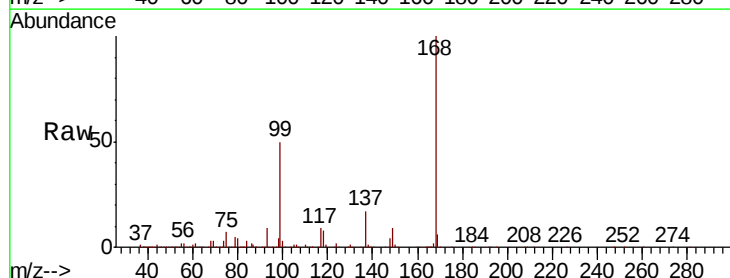
Tgt Ion: 117 Resp: 58633

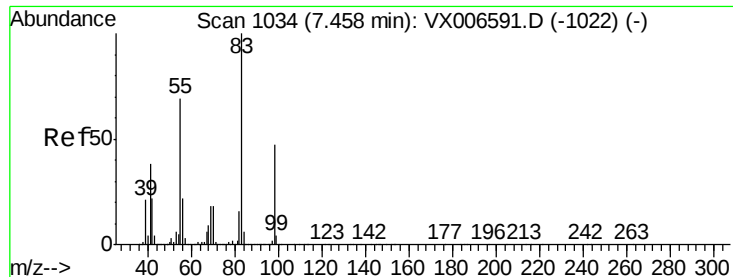
Ion Ratio Lower Upper

117 100

119 6.5 79.4 119.2#

121 0.0 24.0 36.0#

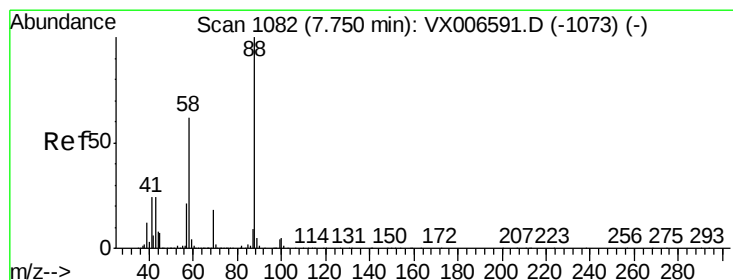
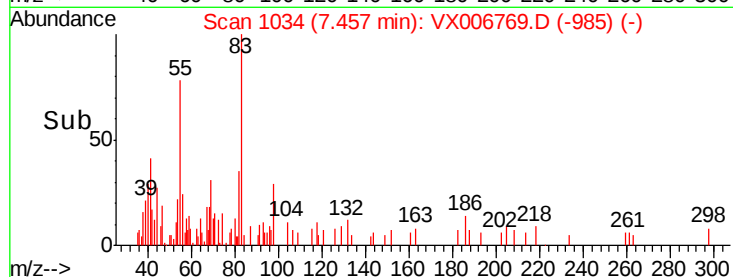
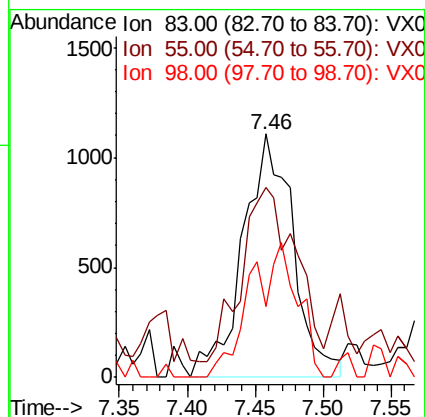
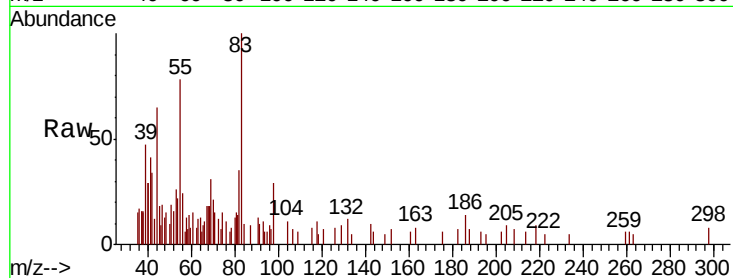




#39
Methvlcvclohexane
Concen: 0.265 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006769.D
Acq: 22 Dec 2018 13:56

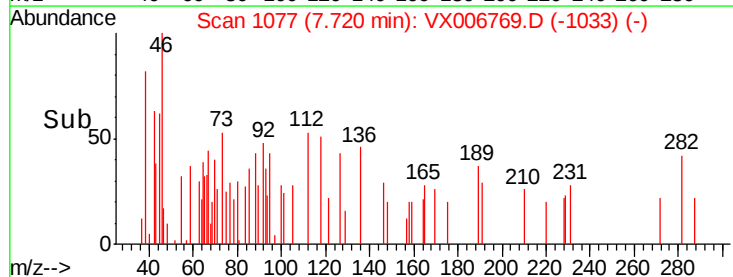
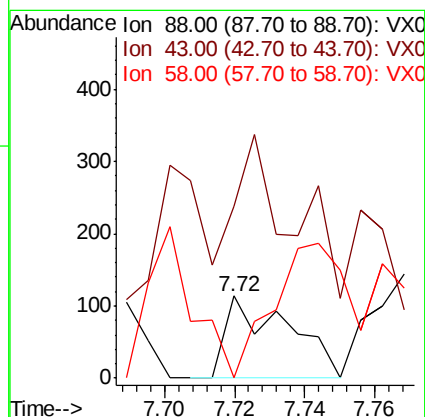
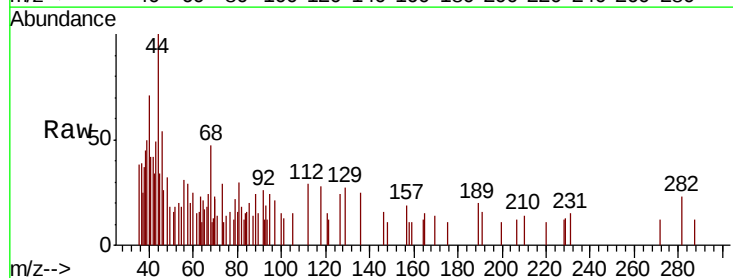
Instrument :
MSVOA_X
ClientSampled :

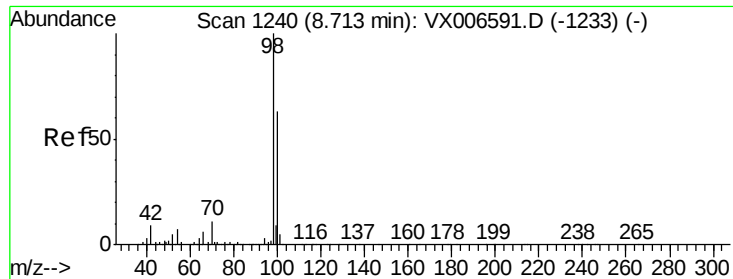
Tot Ion: 83 Resp: 2862
Ion Ratio Lower Upper
83 100
55 71.1 54.9 82.3
98 29.1 37.9 56.9#



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.72 min Scan# 1077
Delta R.T. -0.03 min
Lab File: VX006769.D
Acq: 22 Dec 2018 13:56

Tgt Ion: 88 Resp: 142
Ion Ratio Lower Upper
88 100
43 88.7 22.2 33.4#
58 0.0 51.0 76.4#





#50

Toluene-d8

Concen: 49.094 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006769.D

Acq: 22 Dec 2018 13:56

Instrument :

MSVOA_X

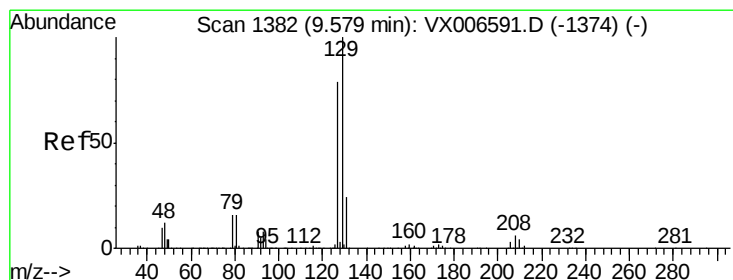
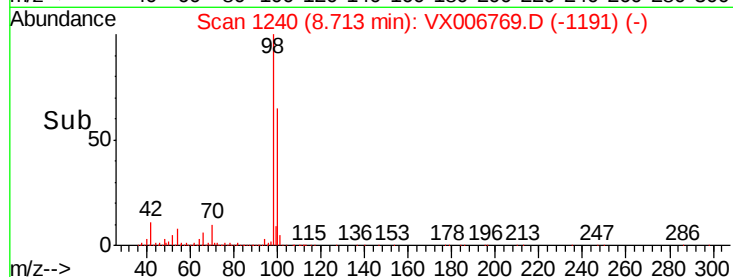
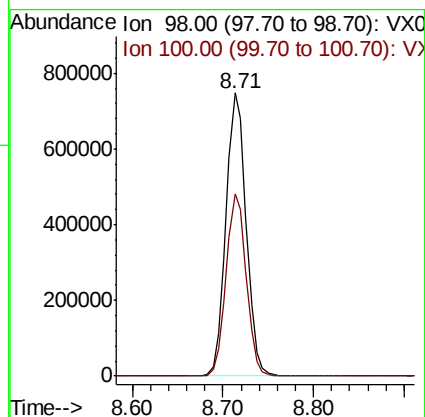
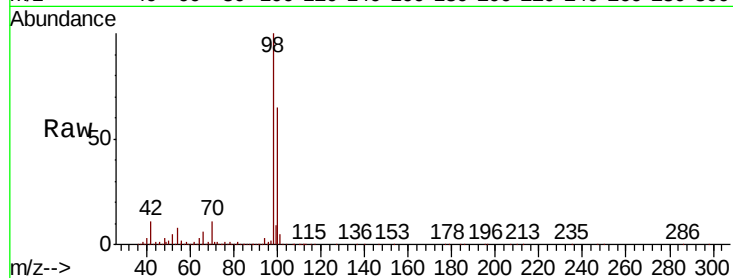
ClientSampleId :

Tot Ion: 98 Resp: 1160116

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0



#60

Dibromochloromethane

Concen: 2.327 ug/l

RT: 9.60 min Scan# 1386

Delta R.T. 0.02 min

Lab File: VX006769.D

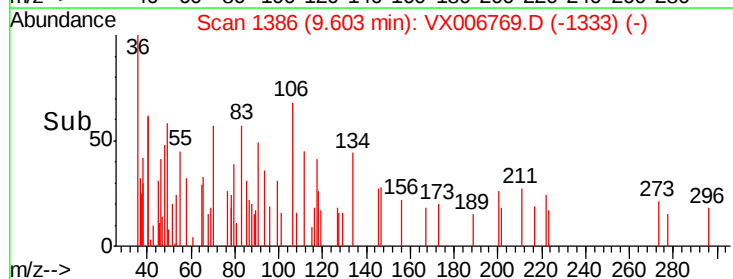
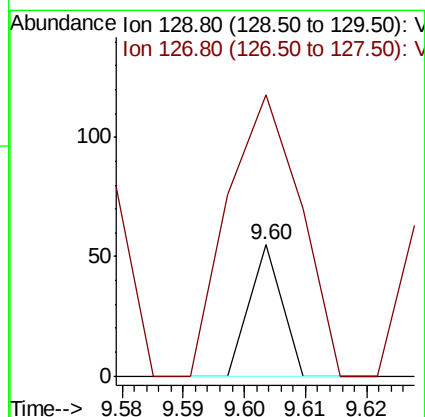
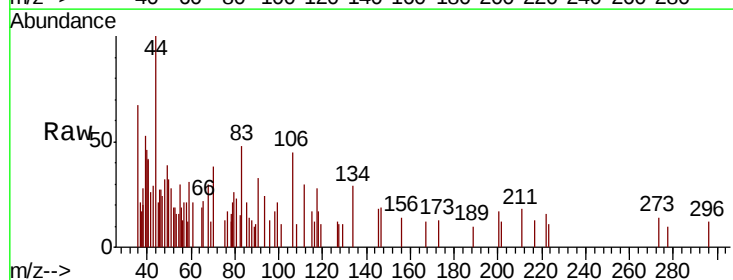
Acq: 22 Dec 2018 13:56

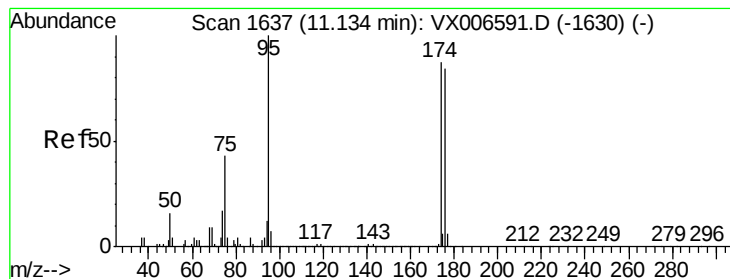
Tgt Ion:129 Resp: 20

Ion Ratio Lower Upper

129 100

127 485.0 39.3 117.8#





#62

4-Bromofluorobenzene

Concen: 46.758 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006769.D

Acq: 22 Dec 2018 13:56

Instrument :

MSVOA_X

ClientSampleId :

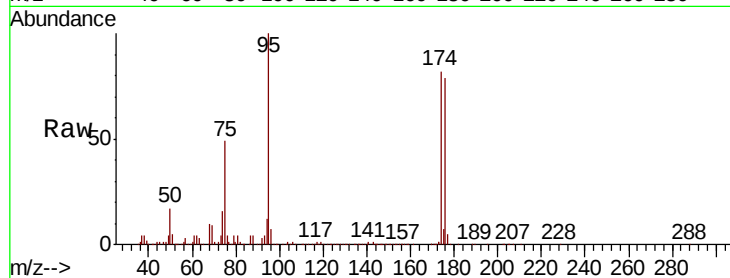
Tot Ion: 95 Resp: 404663

Ion Ratio Lower Upper

95 100

174 89.2 0.0 182.2

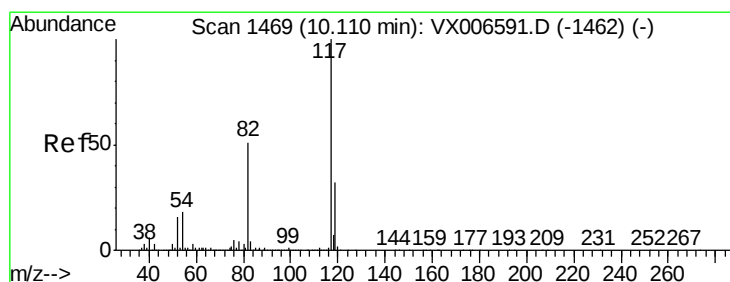
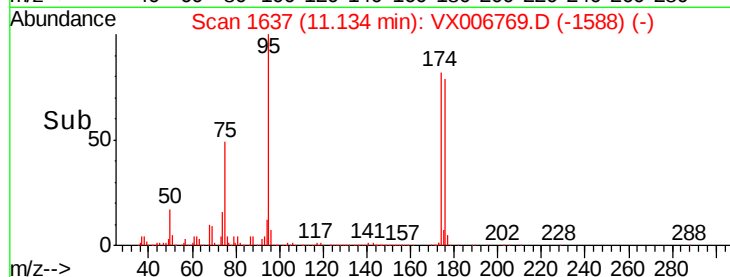
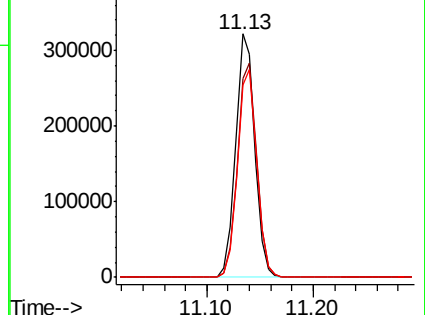
176 86.9 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006769.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX006769.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX006769.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX006769.D

Acq: 22 Dec 2018 13:56

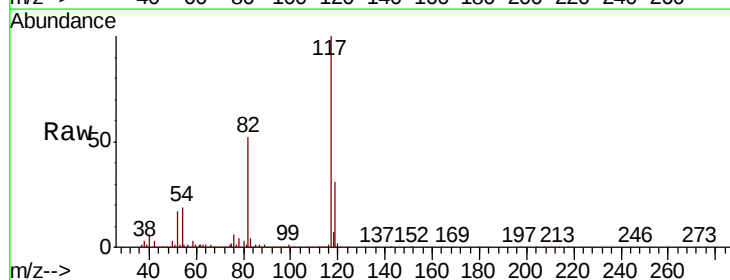
Tgt Ion: 117 Resp: 898196

Ion Ratio Lower Upper

117 100

82 51.8 41.0 61.6

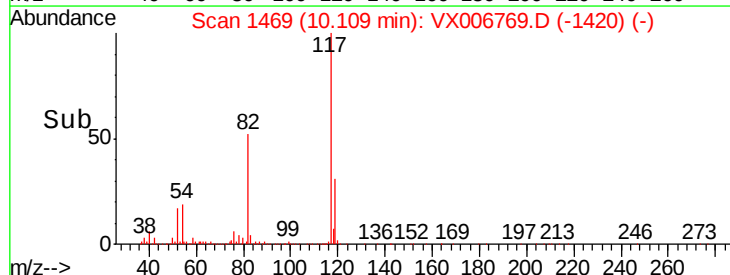
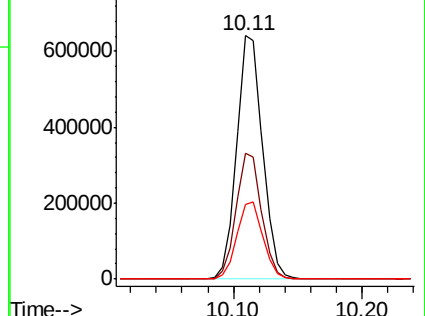
119 30.8 25.4 38.0

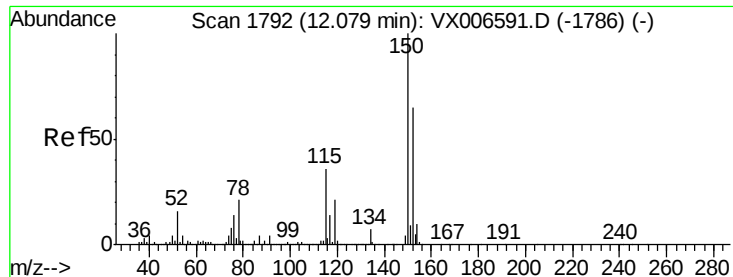


Abundance Ion 116.90 (116.60 to 117.60): VX006769.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX006769.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX006769.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006769.D

Acq: 22 Dec 2018 13:56

Instrument :

MSVOA_X

ClientSampleId :

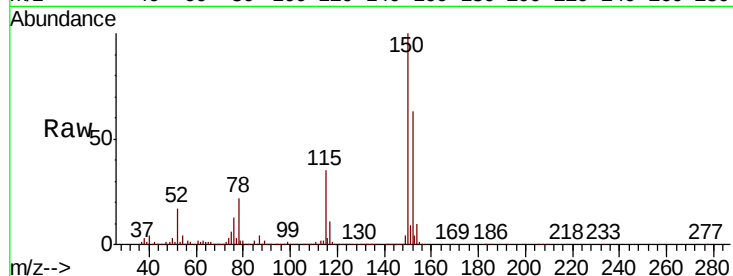
Tot Ion:152 Resp: 422501

Ion Ratio Lower Upper

152 100

115 56.8 39.1 117.2

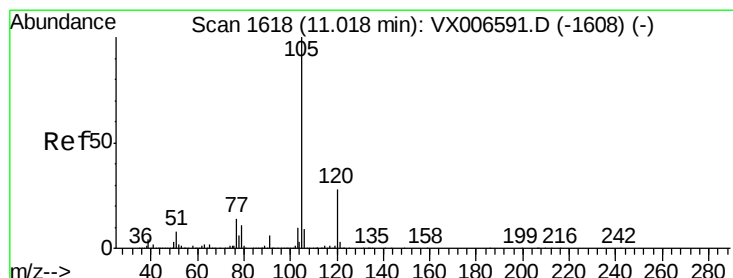
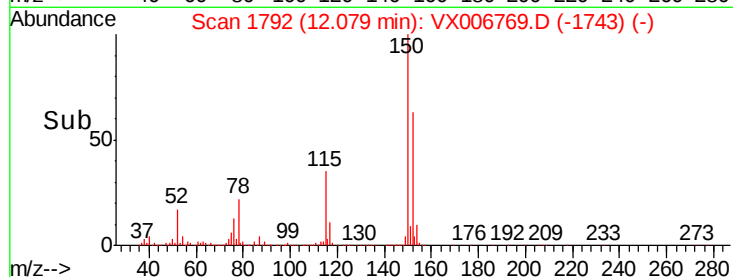
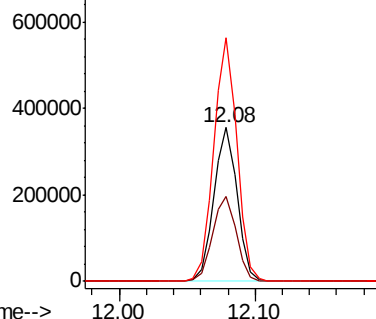
150 158.0 0.0 344.8



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



#73

Isopropylbenzene

Concen: 0.350 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006769.D

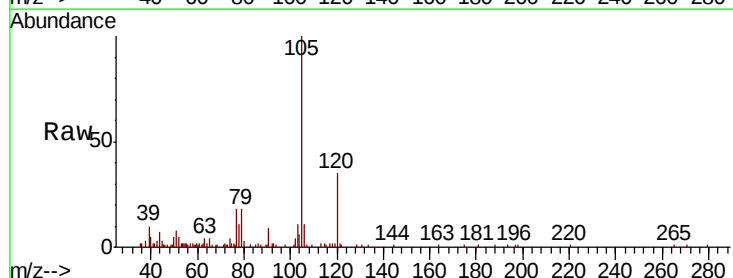
Acq: 22 Dec 2018 13:56

Tgt Ion:105 Resp: 10103

Ion Ratio Lower Upper

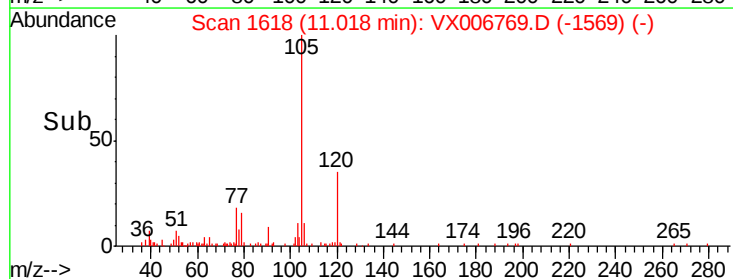
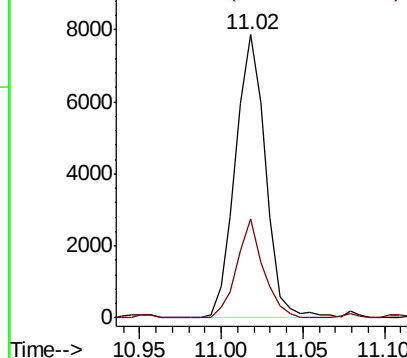
105 100

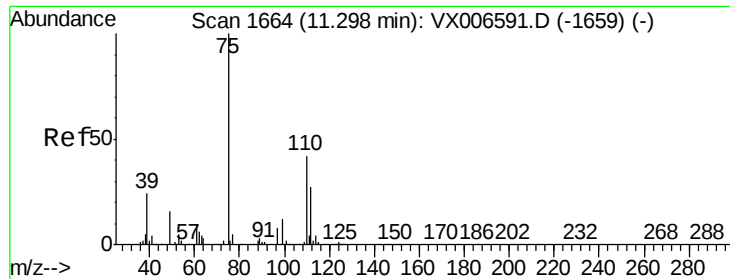
120 30.7 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



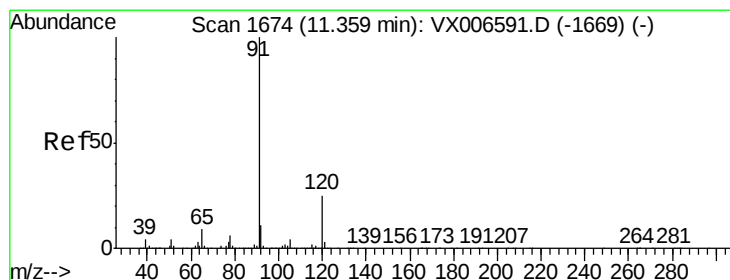
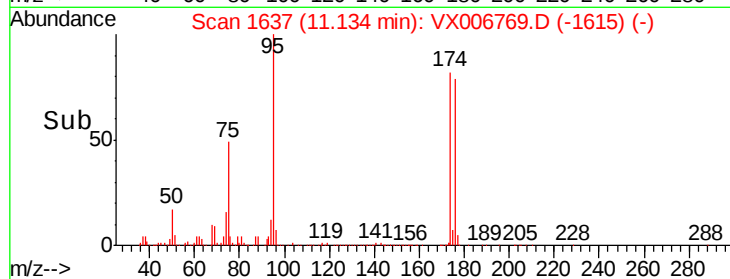
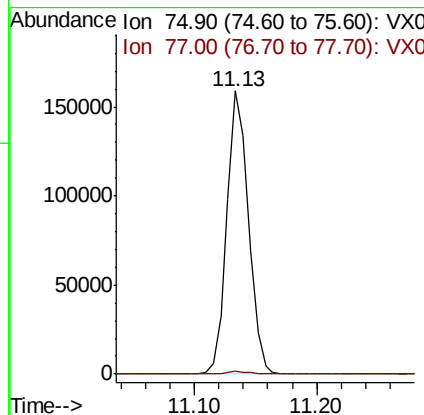
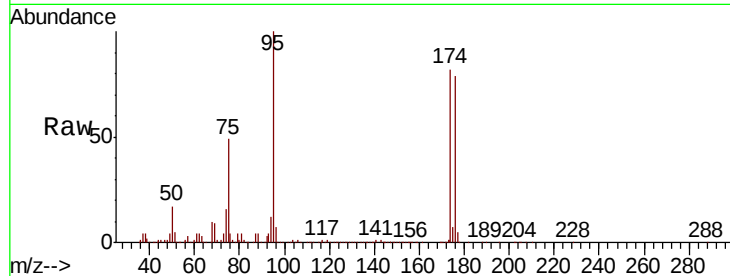


#76

1,2,3-Trichloropropane
Concen: 24.778 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006769.D
Acq: 22 Dec 2018 13:56

Instrument :
MSVOA_X
ClientSampleId :

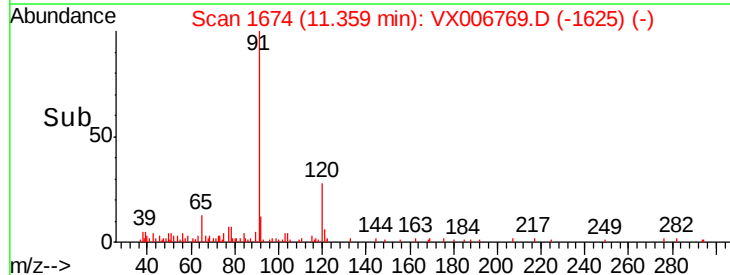
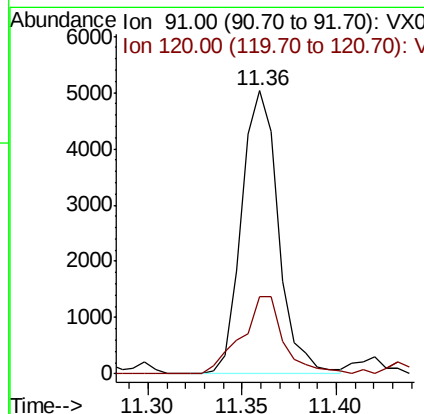
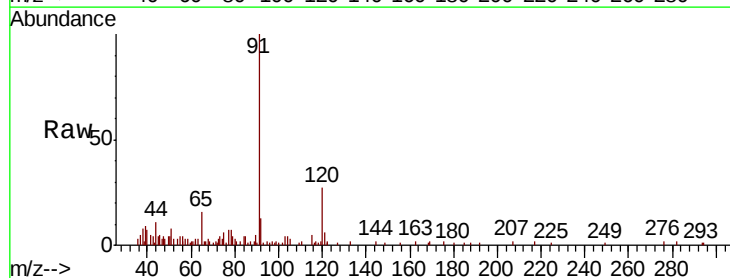
Tot Ion: 75 Resp: 194556
Ion Ratio Lower Upper
75 100
77 1.1 18.5 55.5#

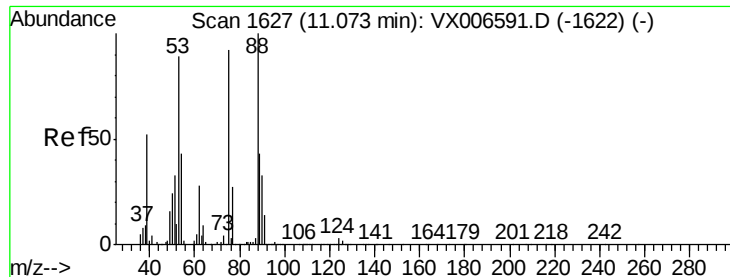


#78

n-propylbenzene
Concen: 0.214 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX006769.D
Acq: 22 Dec 2018 13:56

Tgt Ion: 91 Resp: 6820
Ion Ratio Lower Upper
91 100
120 31.6 12.7 38.0





#81

trans-1,4-Dichloro-2-butene

Concen: 73.257 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006769.D

Acq: 22 Dec 2018 13:56

Instrument :

MSVOA_X

ClientSampleId :

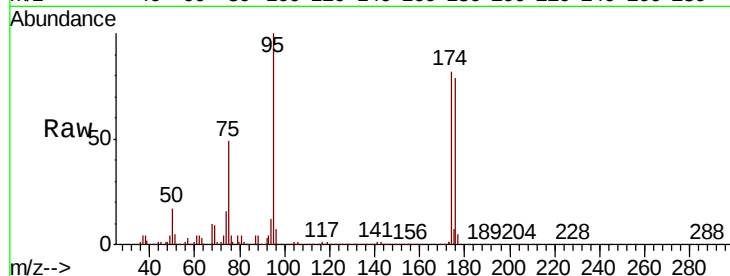
Tot Ion: 75 Resp: 194556

Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

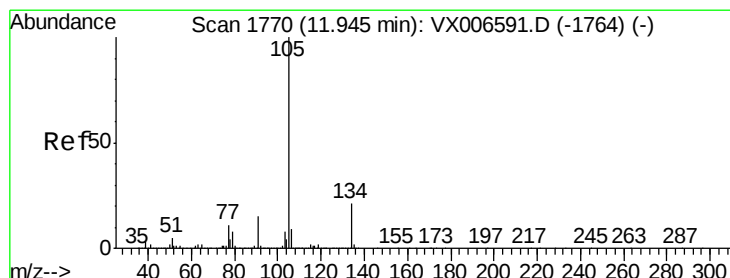
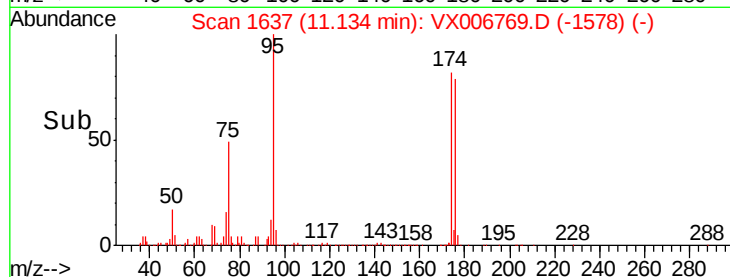
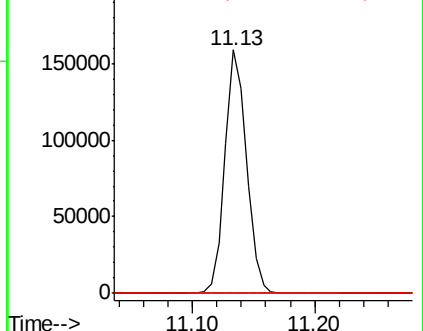
89 0.0 38.0 57.0#



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



#85

sec-Butylbenzene

Concen: 0.355 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006769.D

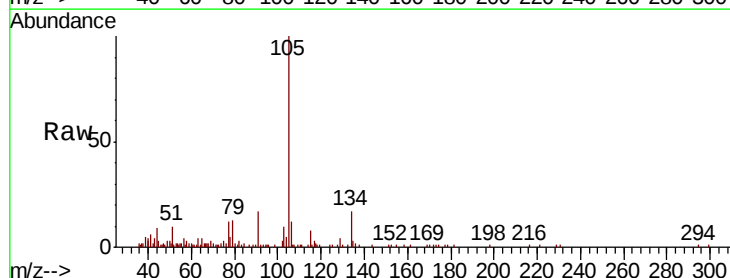
Acq: 22 Dec 2018 13:56

Tgt Ion: 105 Resp: 10371

Ion Ratio Lower Upper

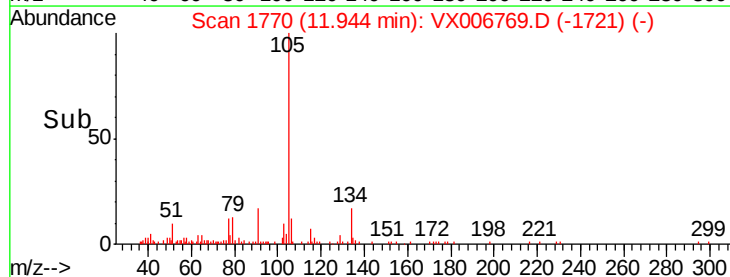
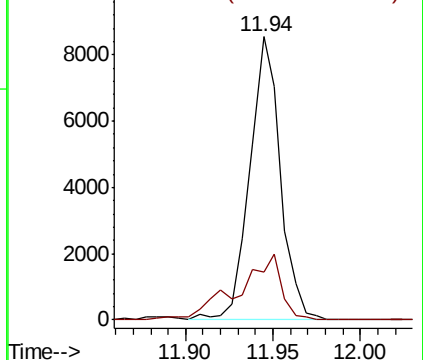
105 100

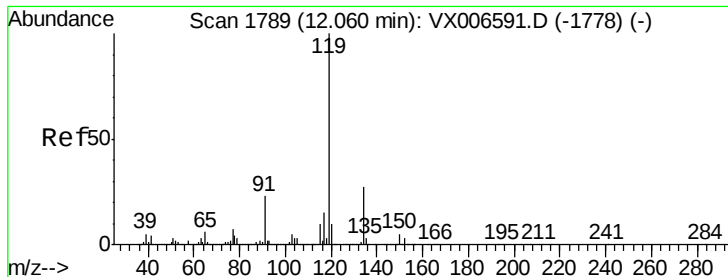
134 33.2 10.7 31.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 0.373 ug/l

RT: 12.23 min Scan# 1817

Delta R.T. 0.17 min

Lab File: VX006769.D

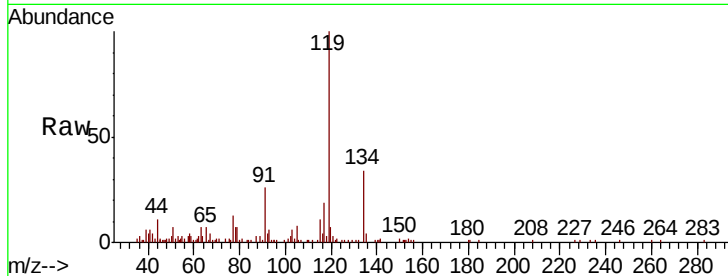
Acq: 22 Dec 2018 13:56

Instrument :

MSVOA_X

ClientSampled :

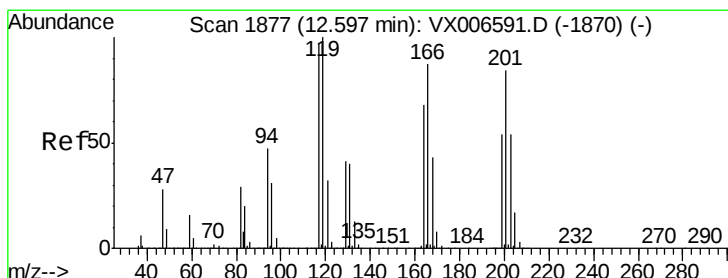
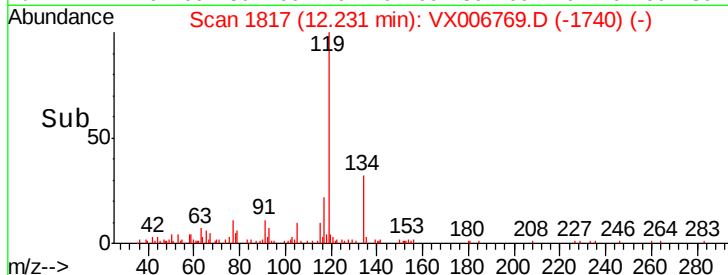
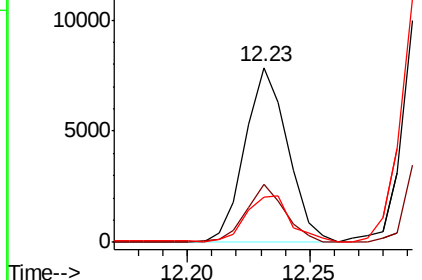
Tot Ion:119	Resp:	9577
Ion	Ratio	Lower Upper
119	100	
134	30.4	14.0 41.9
91	28.3	11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#90

Hexachloroethane

Concen: 5.073 ug/l

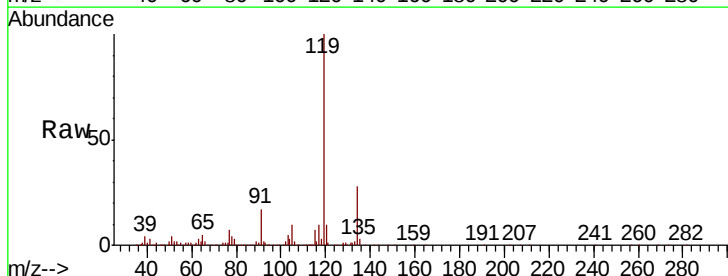
RT: 12.66 min Scan# 1888

Delta R.T. 0.07 min

Lab File: VX006769.D

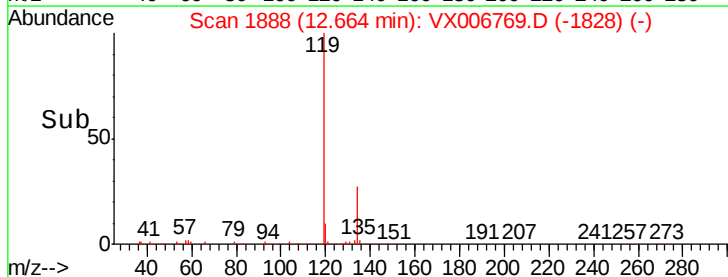
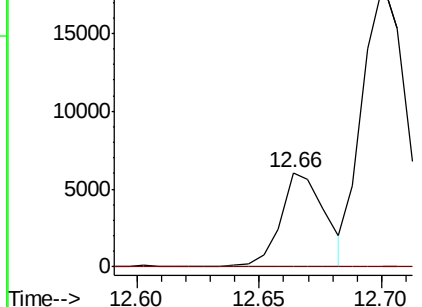
Acq: 22 Dec 2018 13:56

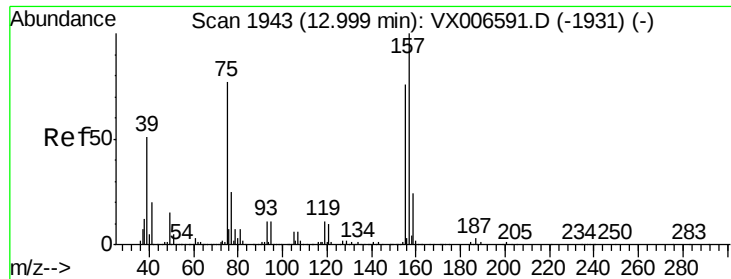
Tgt Ion:117	Resp:	7659
Ion	Ratio	Lower Upper
117	100	
201	0.0	42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.379 ug/l

RT: 12.98 min Scan# 1940

Delta R.T. -0.02 min

Lab File: VX006769.D

Acq: 22 Dec 2018 13:56

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 674

Ion Ratio Lower Upper

75 100

155 4.3 50.6 151.8#

157 0.0 64.6 193.8#

