

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012119\
 Data File : VX007166.D
 Acq On : 21 Jan 2019 18:27
 Operator : JC/SP
 Sample : K1195-02DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038MW009-190116DL

Quant Time: Jan 22 00:08:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	520273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	805526	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	765253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	389094	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	276301	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
35) Dibromofluoromethane	5.50	113	250003	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
50) Toluene-d8	8.71	98	977476	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
62) 4-Bromofluorobenzene	11.13	95	350409	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	

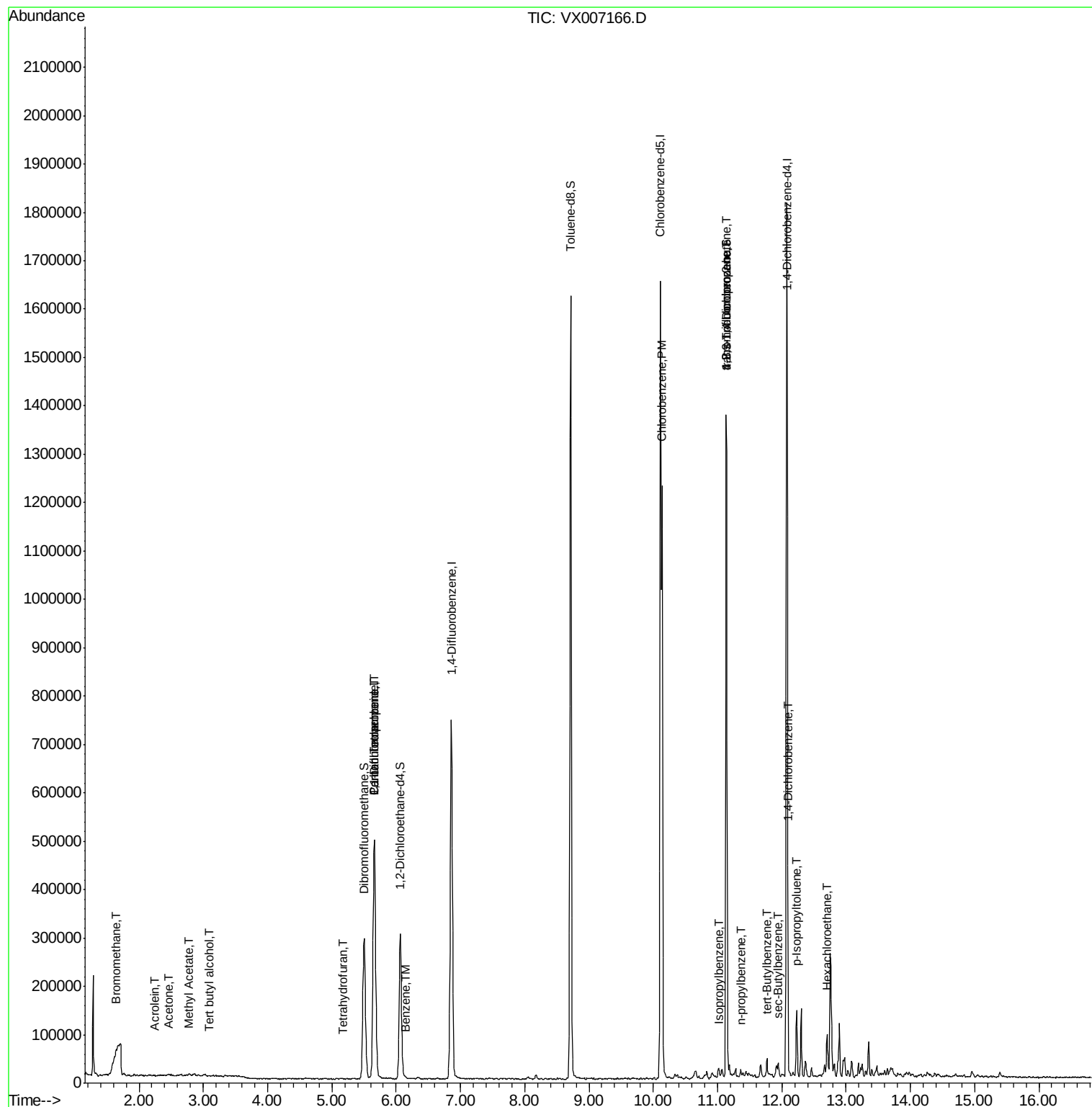
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2723	0.476	ug/l	93
11) Tert butyl alcohol	3.09	59	805	0.628	ug/l #	49
13) Acrolein	2.25	56	221	3.479	ug/l #	73
16) Acetone	2.45	43	5148	1.915	ug/l	97
18) Methyl Acetate	2.78	43	5539	0.712	ug/l	97
20) Methylene Chloride	2.85	84	2135	Below Cal	#	82
29) Tetrahydrofuran	5.17	42	696	0.278	ug/l #	60
36) 1,1-Dichloropropene	5.66	75	33358	4.763	ug/l #	49
38) Carbon Tetrachloride	5.67	117	46831	6.646	ug/l #	15
40) Benzene	6.15	78	5052	0.236	ug/l #	81
49) 1,4-Dioxane	7.75	88	106	Below Cal	#	27
65) Chlorobenzene	10.14	112	535978	32.113	ug/l	98
73) Isopropylbenzene	11.02	105	11037	0.402	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	167586	21.254	ug/l #	40
78) n-propylbenzene	11.36	91	9370	0.311	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.13	75	167586	63.072	ug/l #	10
83) tert-Butylbenzene	11.77	119	14060	0.615	ug/l	84
85) sec-Butylbenzene	11.94	105	12160	0.445	ug/l #	62
86) p-Isopropyltoluene	12.23	119	58596	2.398	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	2304	0.322	ug/l #	1
90) Hexachloroethane	12.70	117	28431	9.773	ug/l #	6

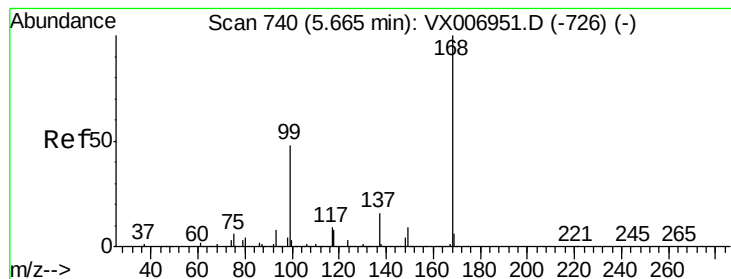
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007166.D

Acq: 21 Jan 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

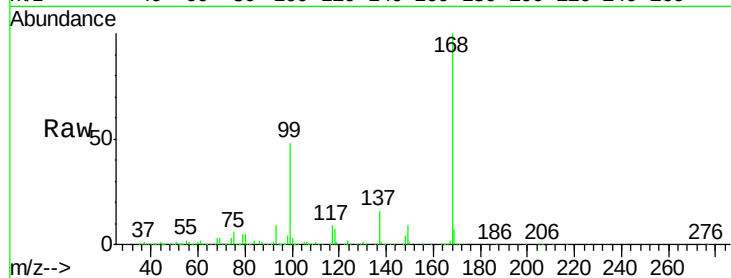
SS038MW009-190116DL

Tot Ion:168 Resp: 520273

Ion Ratio Lower Upper

168 100

99 48.2 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

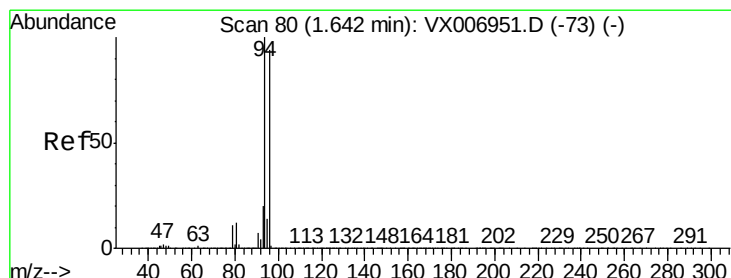
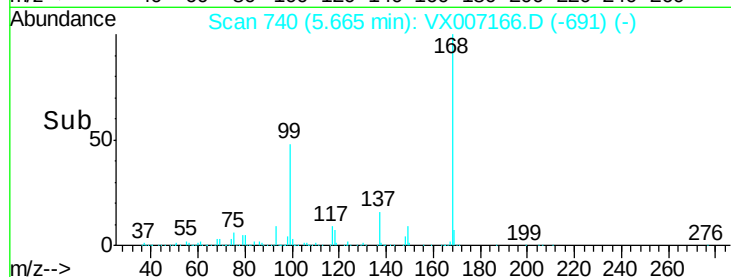
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.476 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007166.D

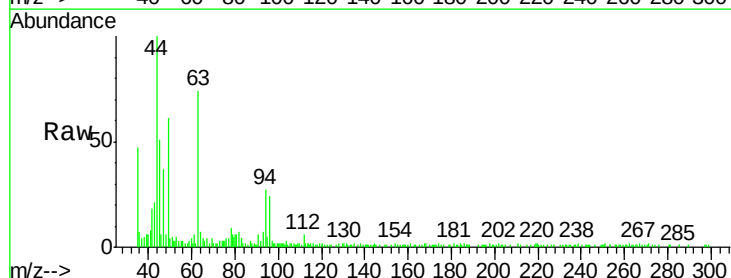
Acq: 21 Jan 2019 18:27

Tgt Ion: 94 Resp: 2723

Ion Ratio Lower Upper

94 100

96 85.3 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

2500

2000

1500

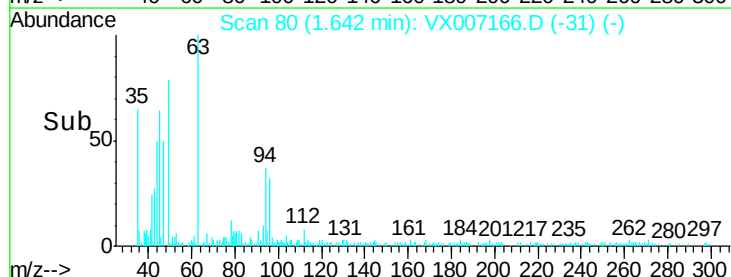
1000

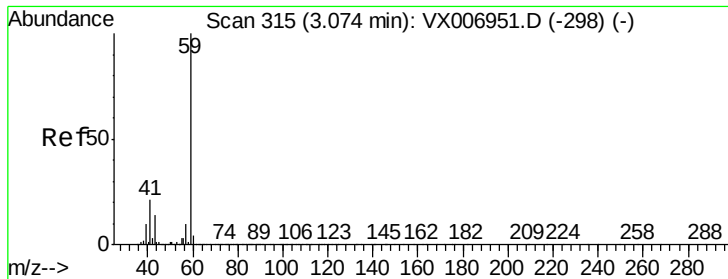
500

0

Time-->

1.60 1.65



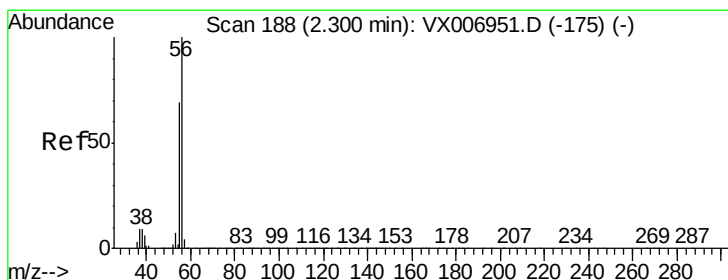
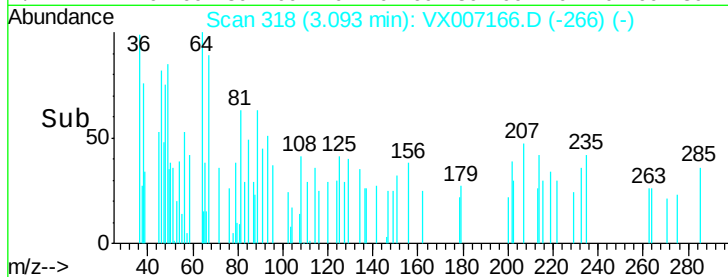
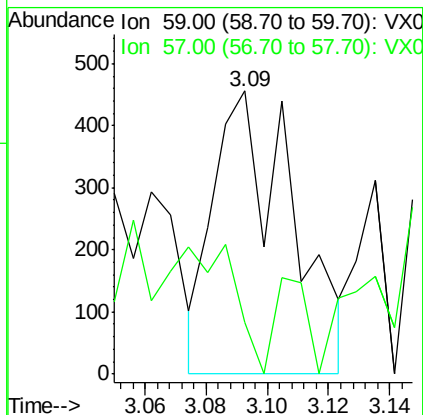
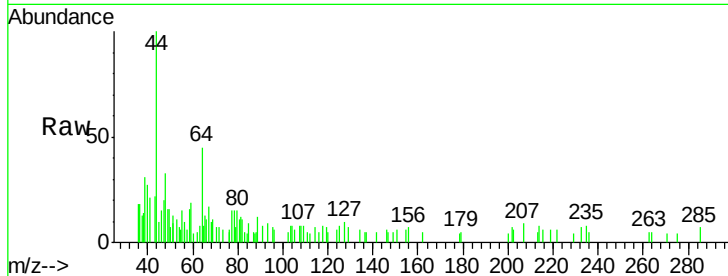


#11

Tert butyl alcohol
Concen: 0.628 ug/l
RT: 3.09 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX007166.D
Acq: 21 Jan 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
SS038MW009-190116DL

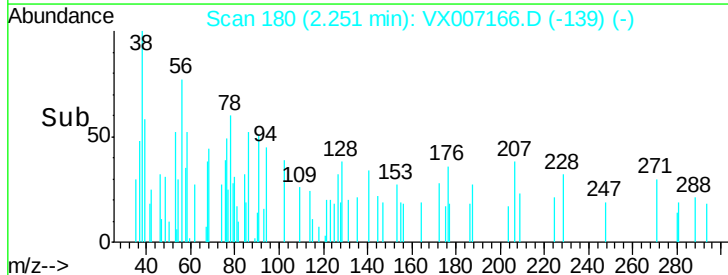
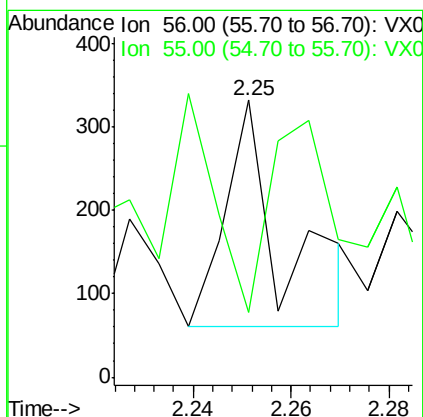
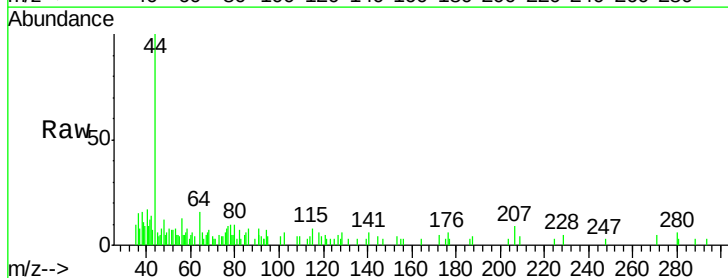
Tot Ion: 59 Resp: 805
Ion Ratio Lower Upper
59 100
57 29.9 8.5 12.7#

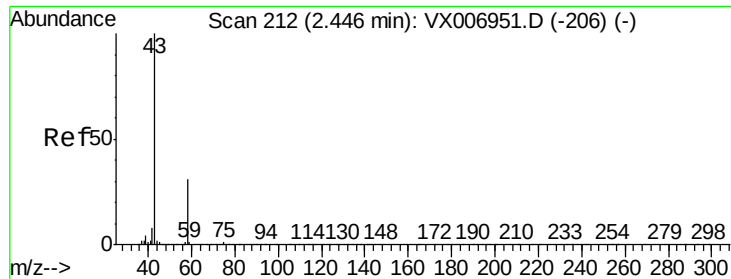


#13

Acrolein
Concen: 3.479 ug/l
RT: 2.25 min Scan# 180
Delta R.T. -0.05 min
Lab File: VX007166.D
Acq: 21 Jan 2019 18:27

Tgt Ion: 56 Resp: 221
Ion Ratio Lower Upper
56 100
55 95.5 58.2 87.4#

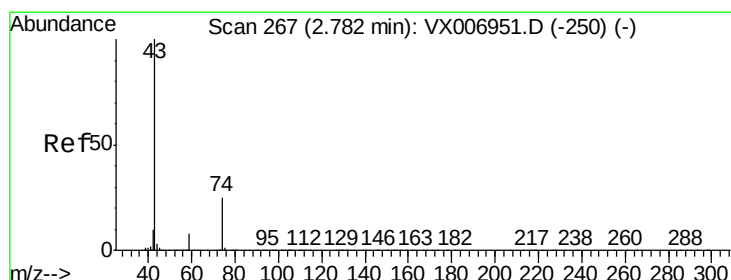
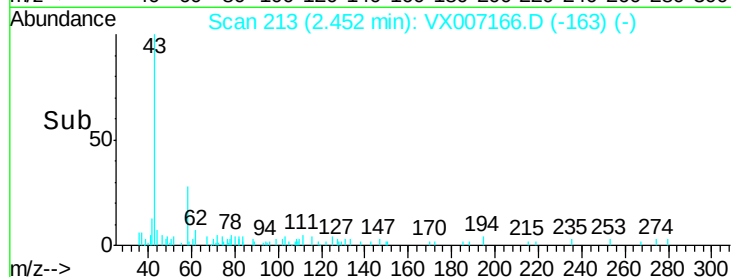
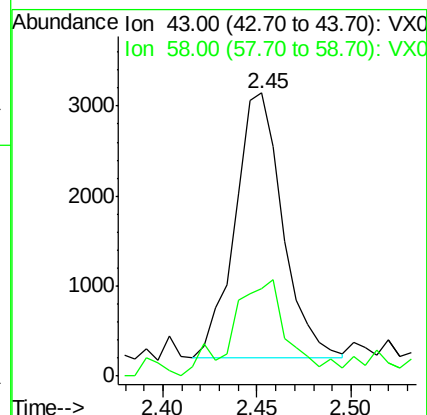
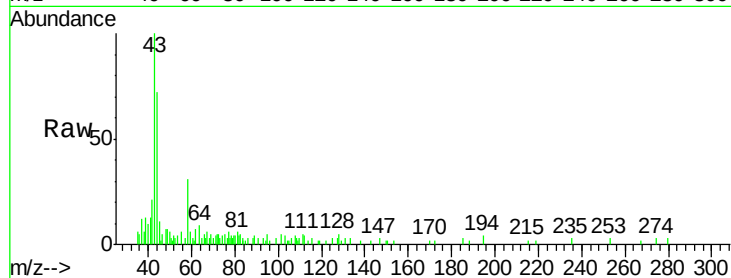




#16
Acetone
Concen: 1.915 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX007166.D
Acq: 21 Jan 2019 18:27

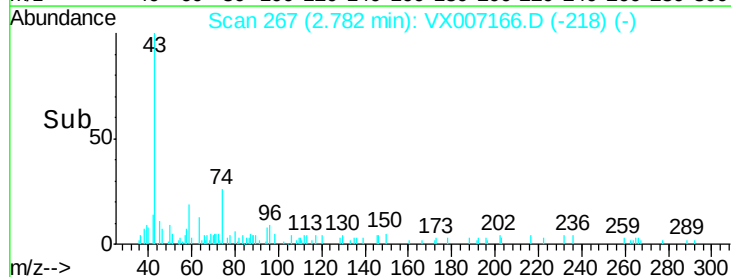
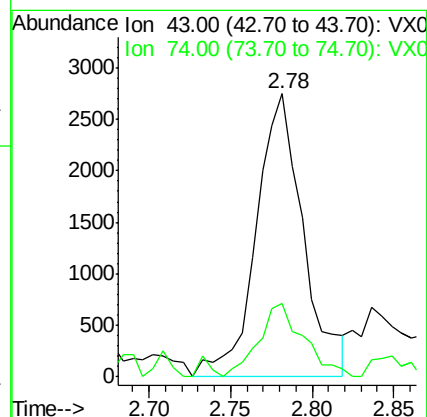
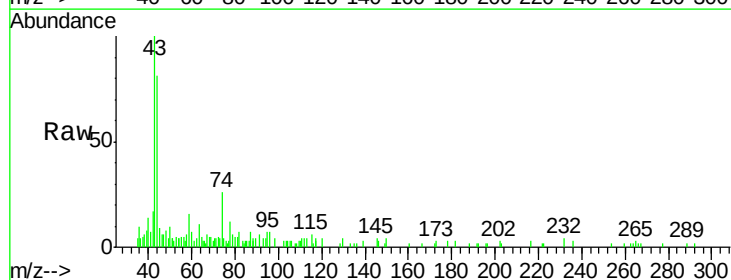
Instrument :
MSVOA_X
ClientSampleId :
SS038MW009-190116DL

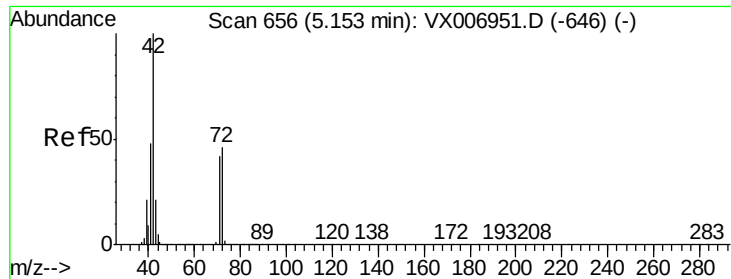
Tot Ion: 43 Resp: 5148
Ion Ratio Lower Upper
43 100
58 29.6 25.0 37.6



#18
Methyl Acetate
Concen: 0.712 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007166.D
Acq: 21 Jan 2019 18:27

Tgt Ion: 43 Resp: 5539
Ion Ratio Lower Upper
43 100
74 24.8 18.6 28.0

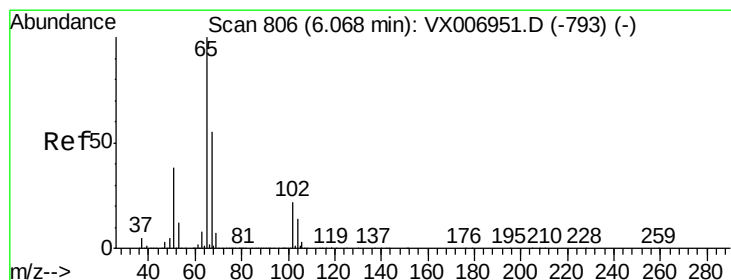
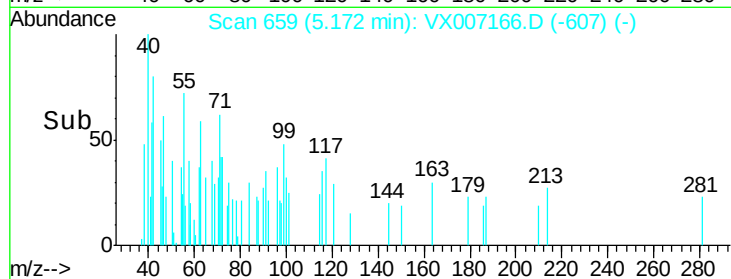
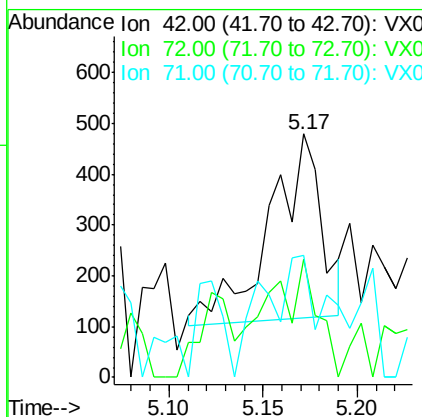
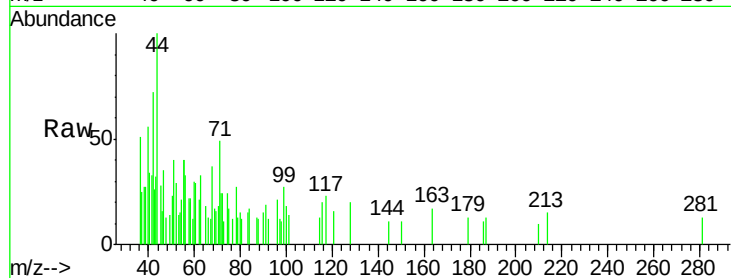




#29
Tetrahydrofuran
Concen: 0.278 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX007166.D
Acq: 21 Jan 2019 18:27

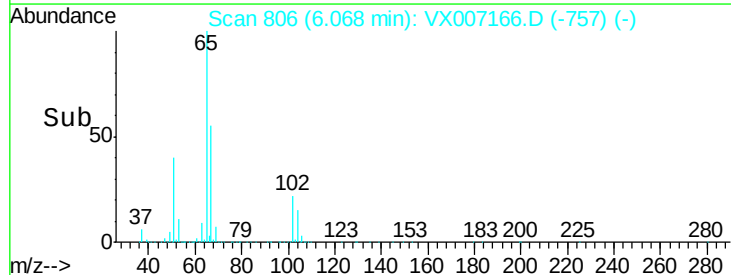
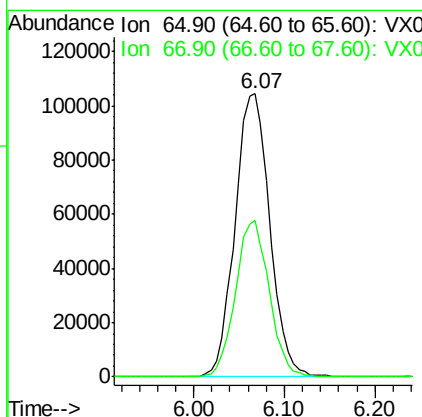
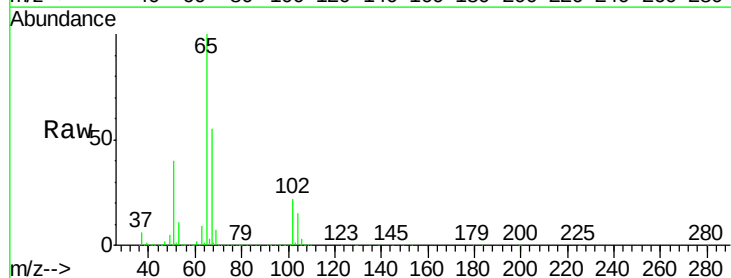
Instrument :
MSVOA_X
ClientSampleId :
SS038MW009-190116DL

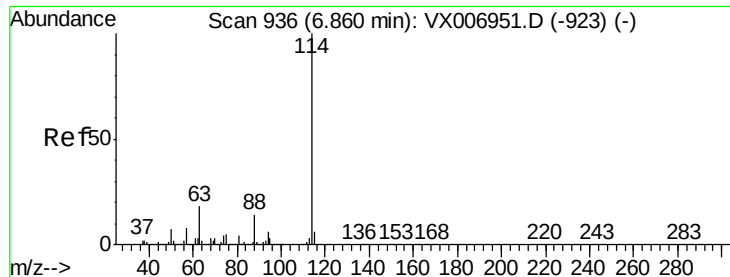
Tot Ion: 42 Resp: 696
Ion Ratio Lower Upper
42 100
72 30.6 38.9 58.3#
71 81.6 36.2 54.4#



#33
1,2-Dichloroethane-d4
Concen: 50.816 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007166.D
Acq: 21 Jan 2019 18:27

Tgt Ion: 65 Resp: 276301
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.0

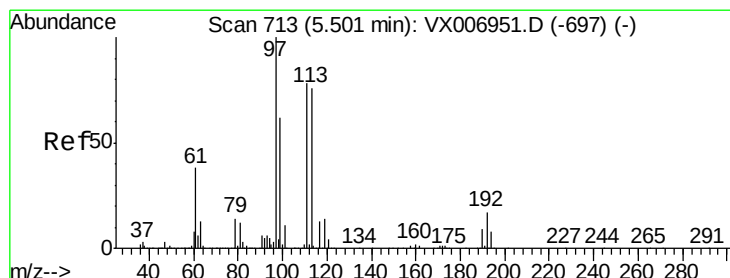
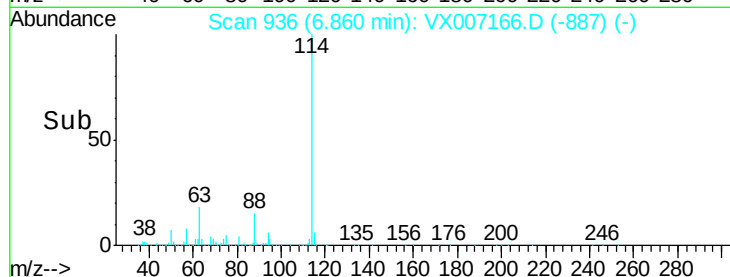
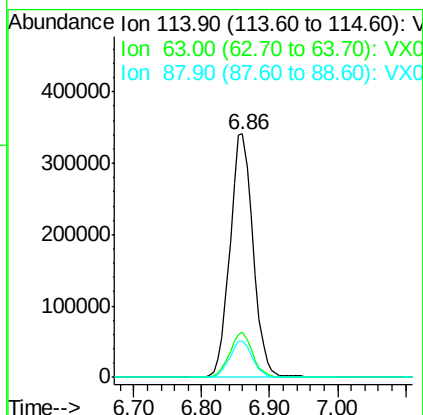
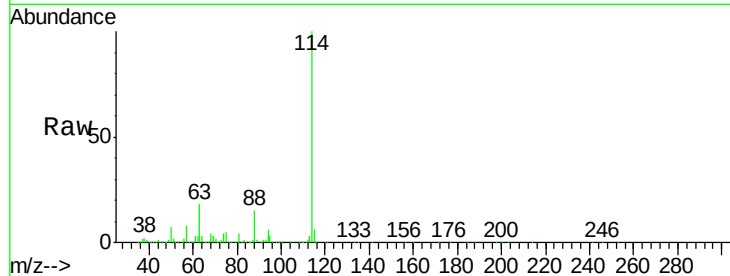




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX007166.D
Acq: 21 Jan 2019 18:27

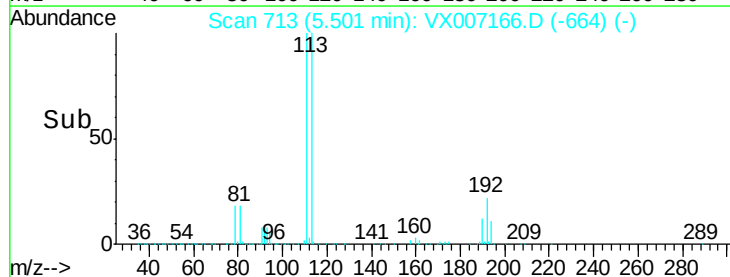
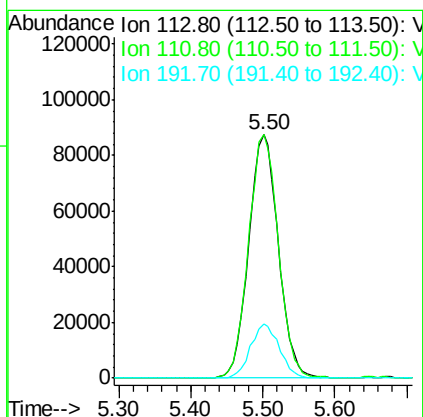
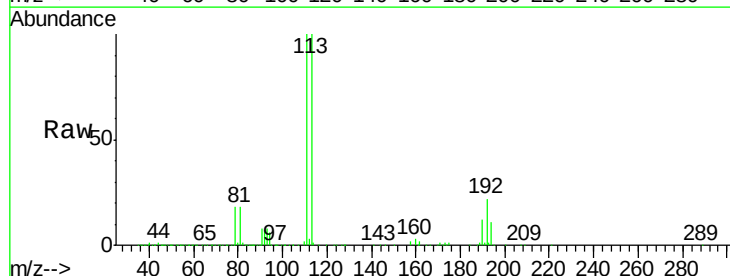
Instrument :
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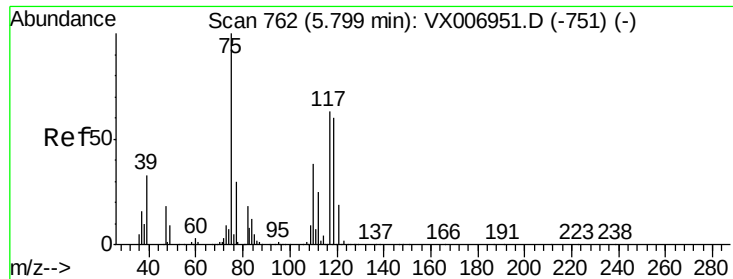
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	34.8
88	14.9	0.0	28.8



#35
Dibromofluoromethane
Concen: 48.464 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX007166.D
Acq: 21 Jan 2019 18:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.2	81.6	122.4
192	21.8	16.7	25.1





#36

1,1-Dichloropropene

Concen: 4.763 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007166.D

Acq: 21 Jan 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

SS038MW009-190116DL

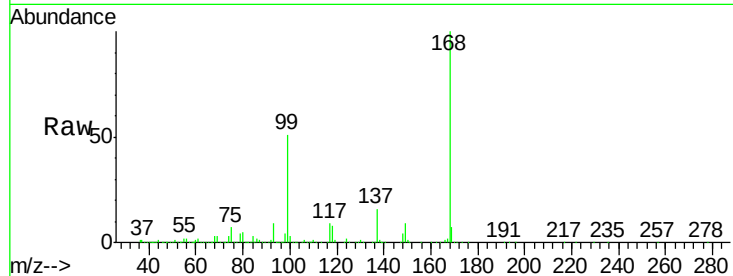
Tot Ion: 75 Resp: 33358

Ion Ratio Lower Upper

75 100

110 11.1 20.2 60.5#

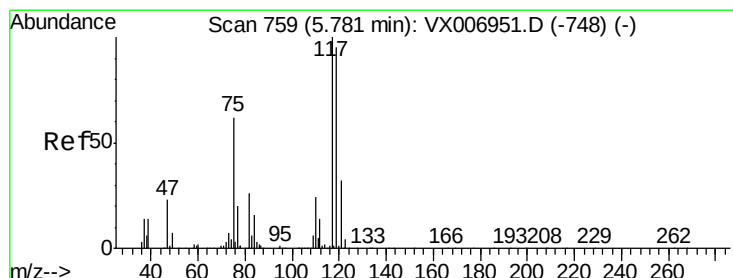
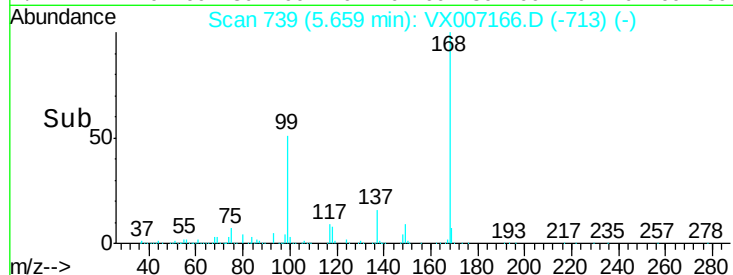
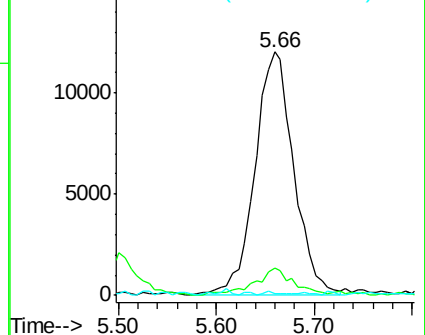
77 0.7 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.646 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007166.D

Acq: 21 Jan 2019 18:27

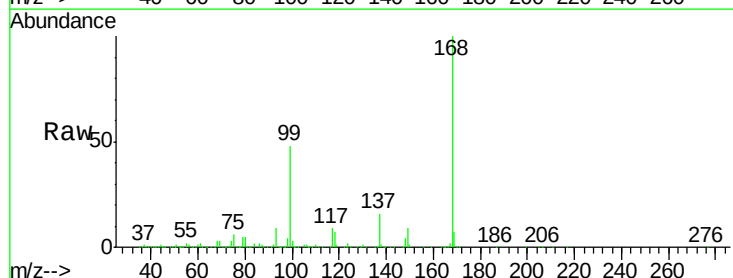
Tgt Ion: 117 Resp: 46831

Ion Ratio Lower Upper

117 100

119 5.4 79.4 119.2#

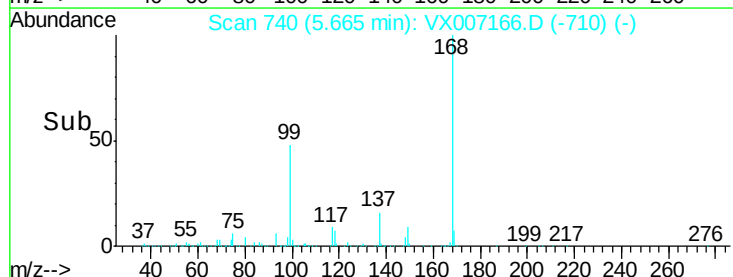
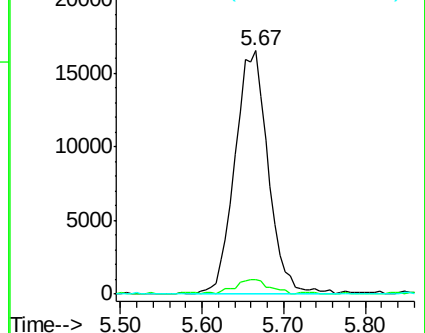
121 0.0 24.0 36.0#

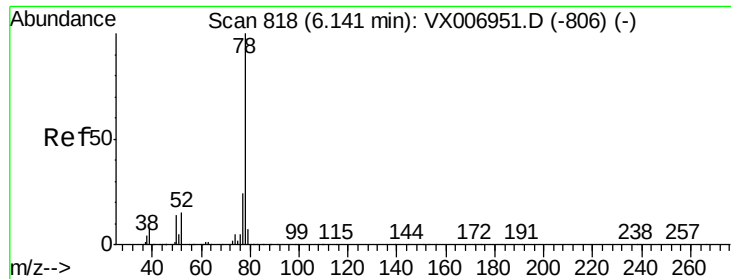


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 0.236 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX007166.D

Acq: 21 Jan 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

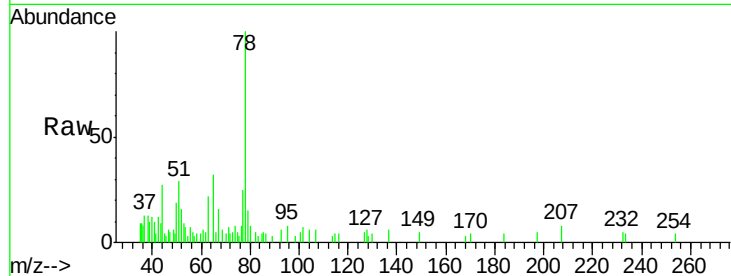
SS038MW009-190116DL

Tot Ion: 78 Resp: 5052

Ion Ratio Lower Upper

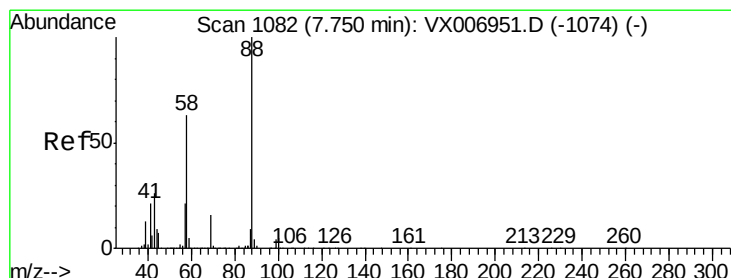
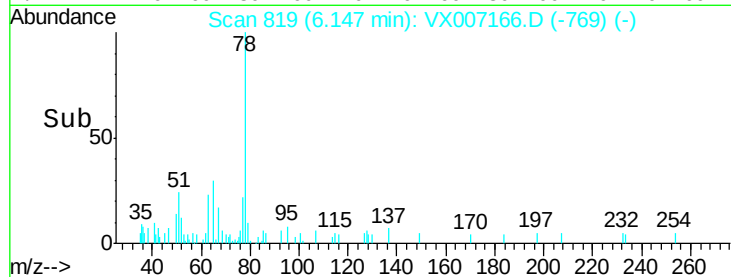
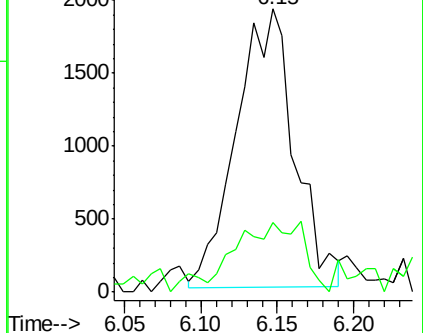
78 100

77 14.5 19.2 28.8#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007166.D

Acq: 21 Jan 2019 18:27

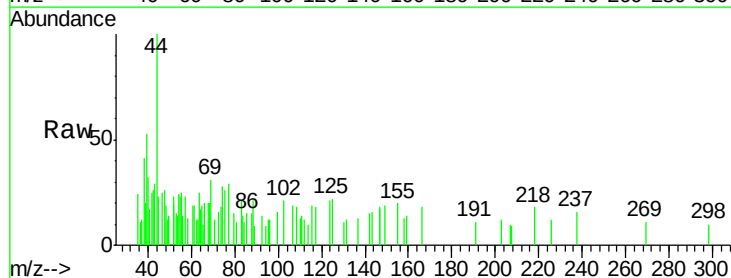
Tgt Ion: 88 Resp: 106

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

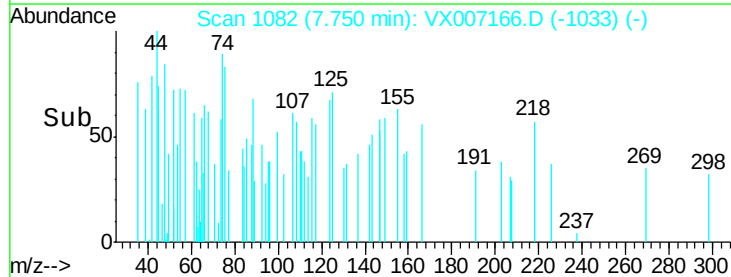
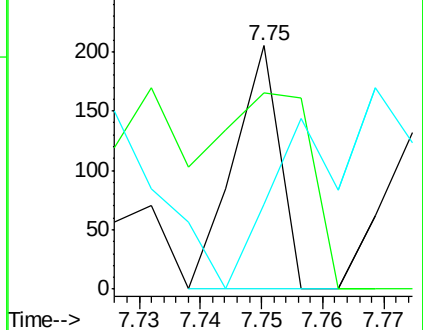
58 0.0 51.0 76.4#

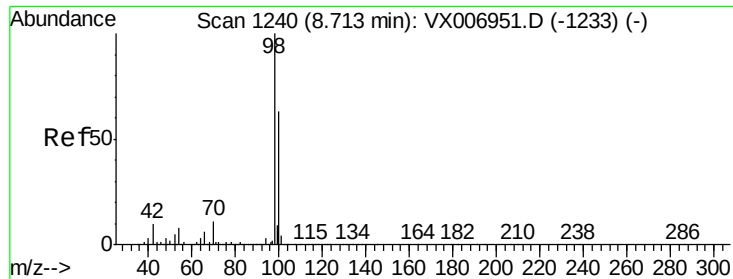


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.768 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007166.D

Acq: 21 Jan 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

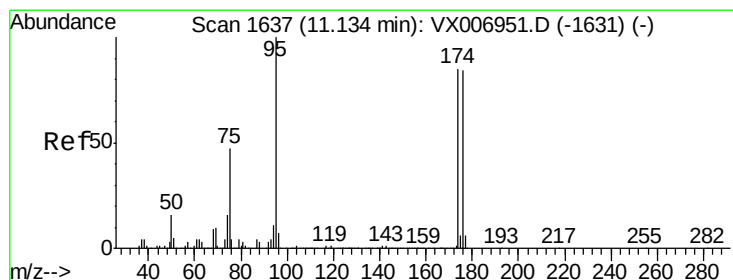
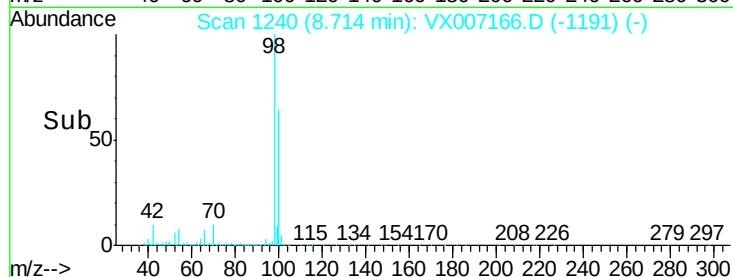
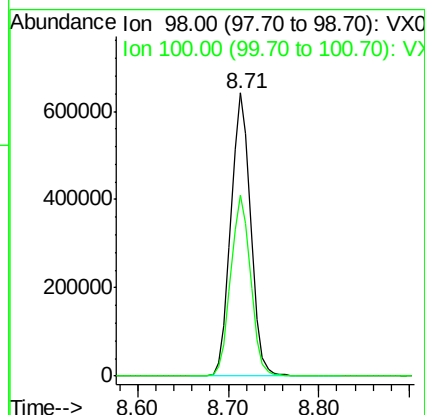
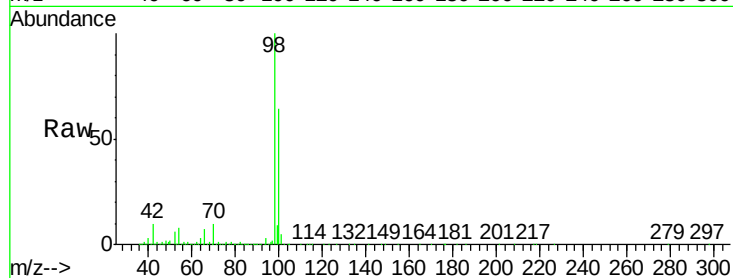
SS038MW009-190116DL

Tot Ion: 98 Resp: 977476

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 53.232 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007166.D

Acq: 21 Jan 2019 18:27

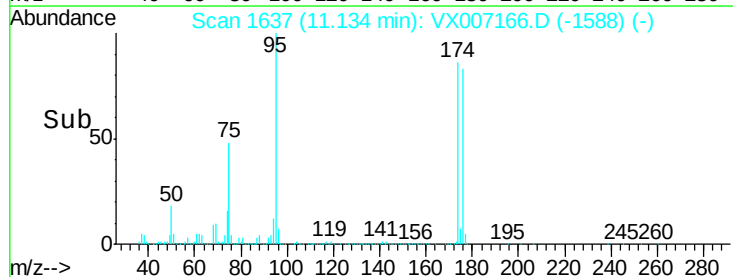
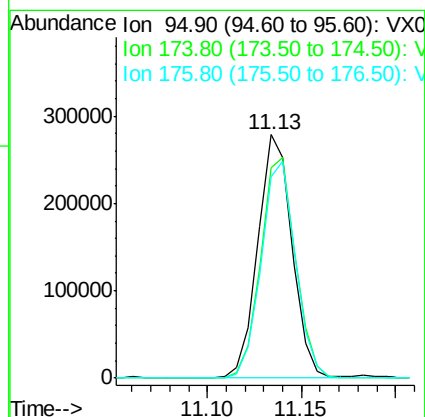
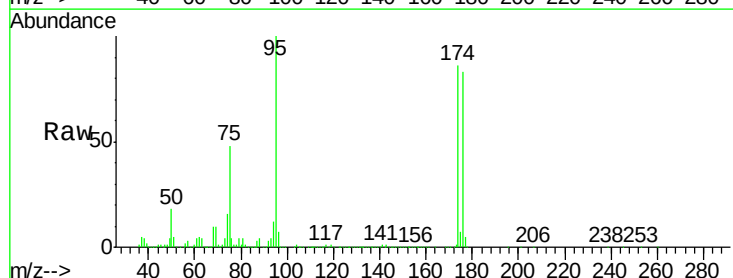
Tgt Ion: 95 Resp: 350409

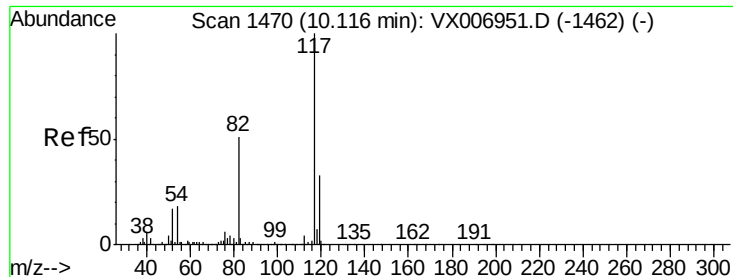
Ion Ratio Lower Upper

95 100

174 92.8 0.0 182.2

176 90.0 0.0 178.8

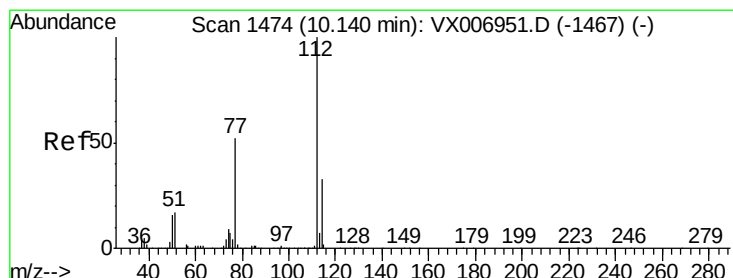
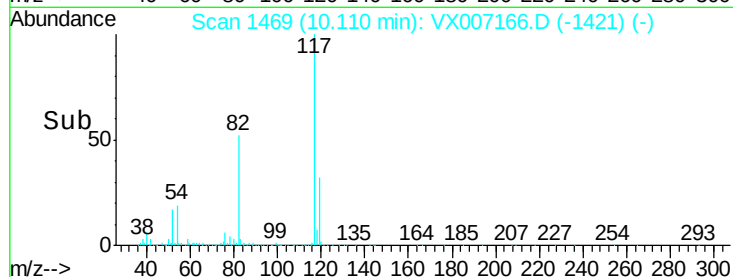
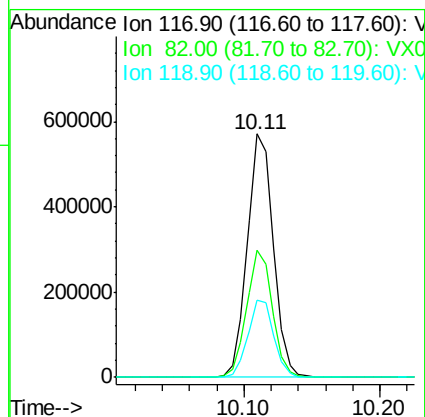
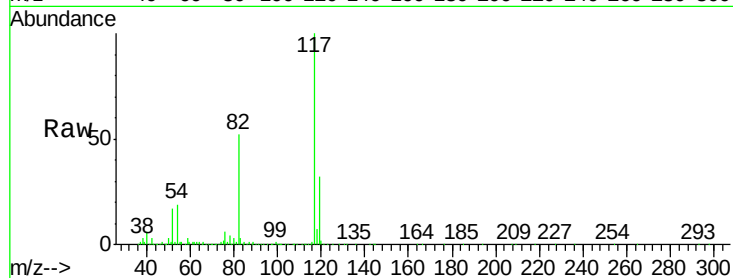




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007166.D
Acq: 21 Jan 2019 18:27

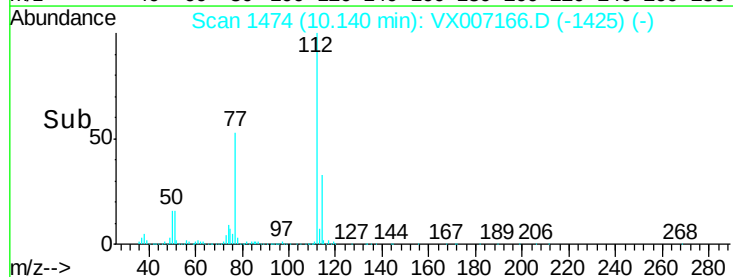
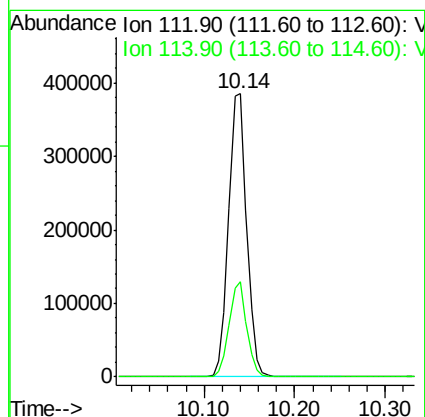
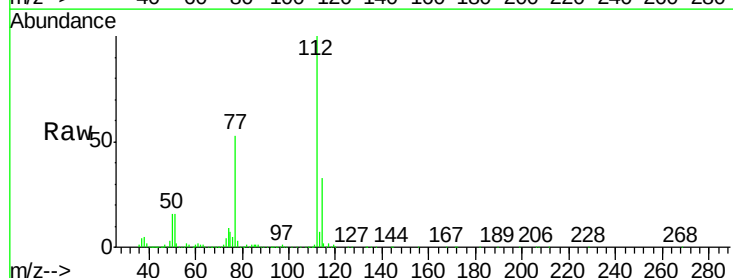
Instrument :
MSVOA_X
ClientSampleId :
SS038MW009-190116DL

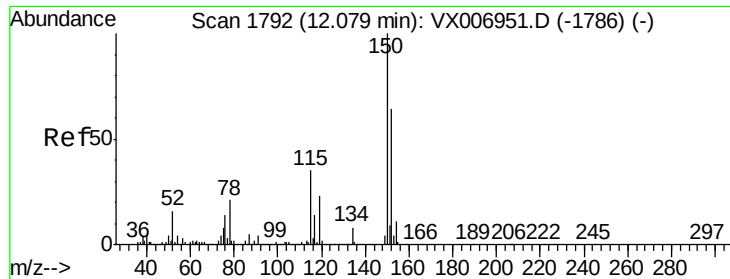
Tot Ion:117 Resp: 765253
Ion Ratio Lower Upper
117 100
82 52.0 41.0 61.6
119 31.9 25.4 38.0



#65
Chlorobenzene
Concen: 32.113 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007166.D
Acq: 21 Jan 2019 18:27

Tgt Ion:112 Resp: 535978
Ion Ratio Lower Upper
112 100
114 33.4 25.7 38.5



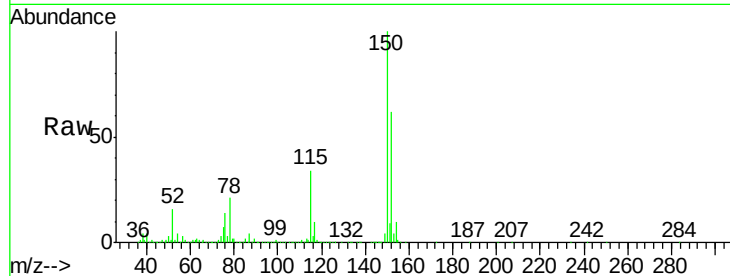


#72

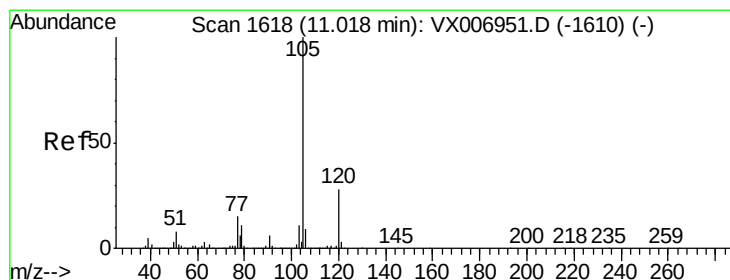
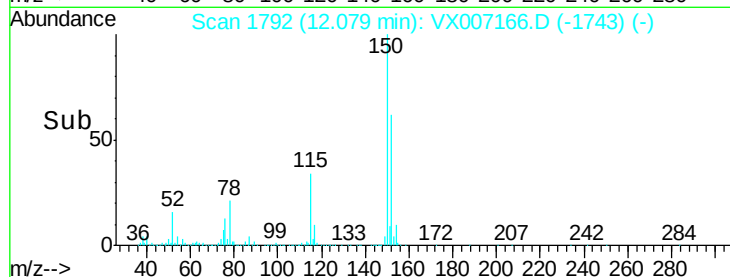
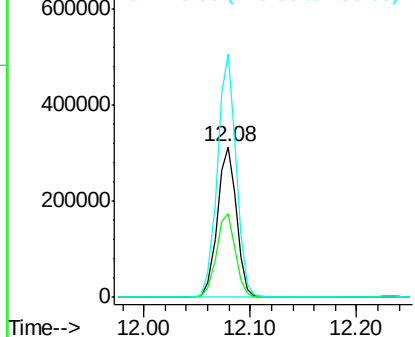
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007166.D
Acq: 21 Jan 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
SS038MW009-190116DL

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	39.1	117.2
150	158.6	0.0	344.8



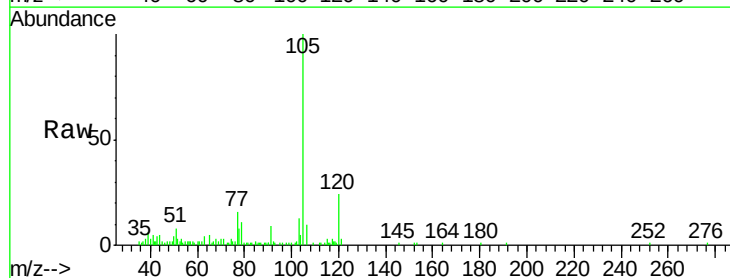
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



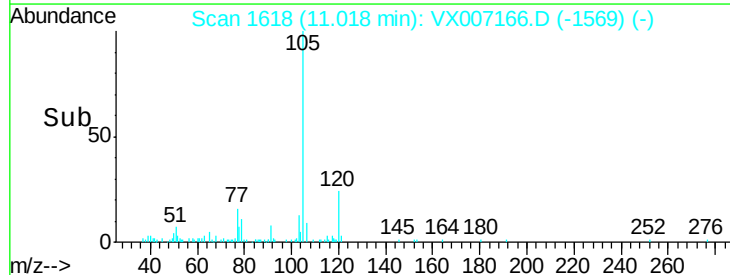
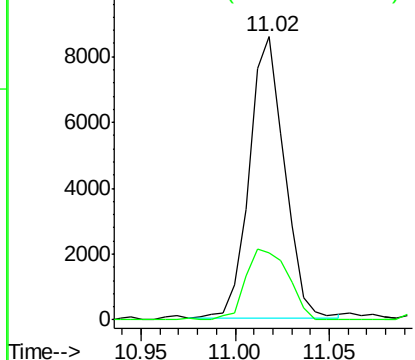
#73

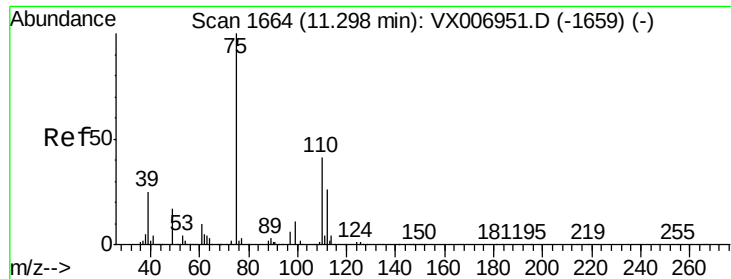
Isopropylbenzene
Concen: 0.402 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007166.D
Acq: 21 Jan 2019 18:27

Tgt 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: 21.254 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007166.D

Acq: 21 Jan 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

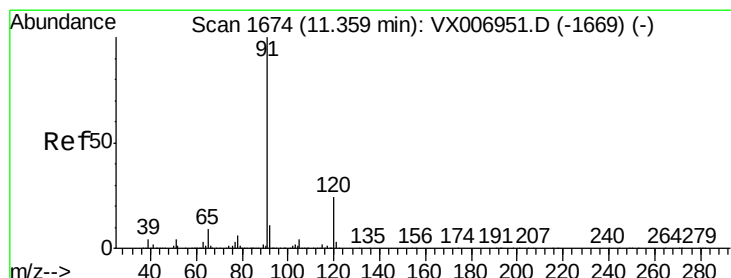
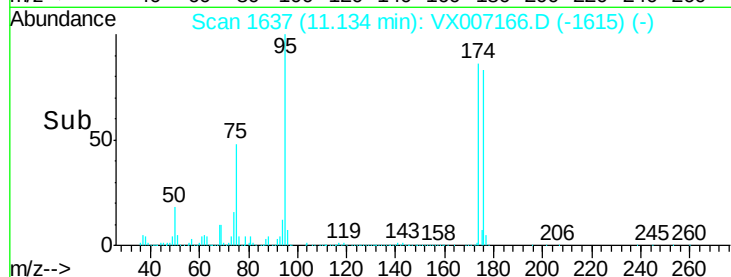
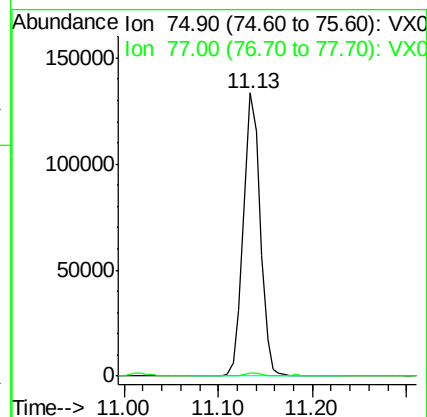
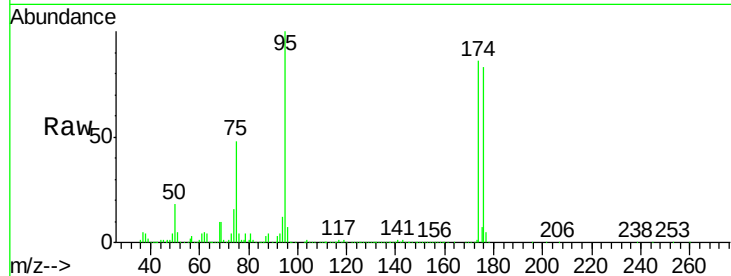
SS038MW009-190116DL

Tot Ion: 75 Resp: 167586

Ion Ratio Lower Upper

75 100

77 1.5 18.5 55.5#



#78

n-propylbenzene

Concen: 0.311 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007166.D

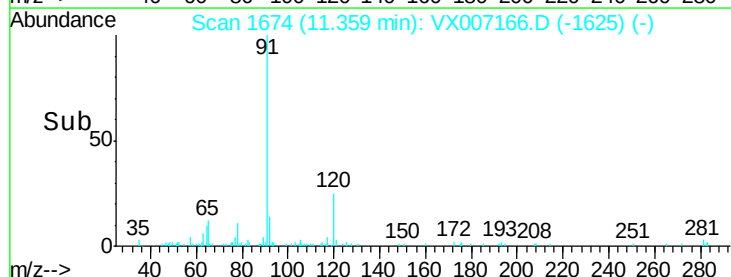
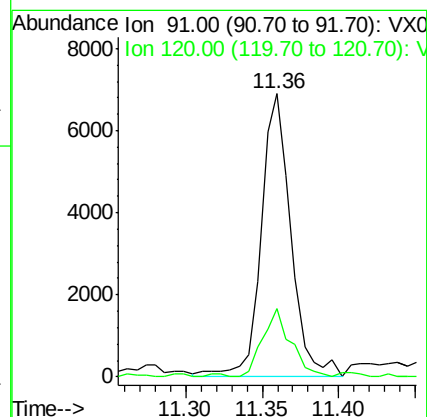
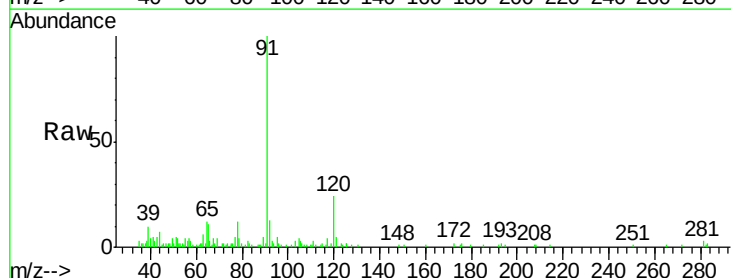
Acq: 21 Jan 2019 18:27

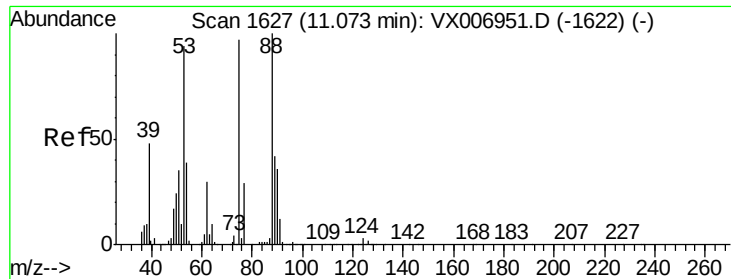
Tgt Ion: 91 Resp: 9370

Ion Ratio Lower Upper

91 100

120 22.9 12.7 38.0





#81

trans-1,4-Dichloro-2-butene

Concen: 63.072 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007166.D

Acq: 21 Jan 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

SS038MW009-190116DL

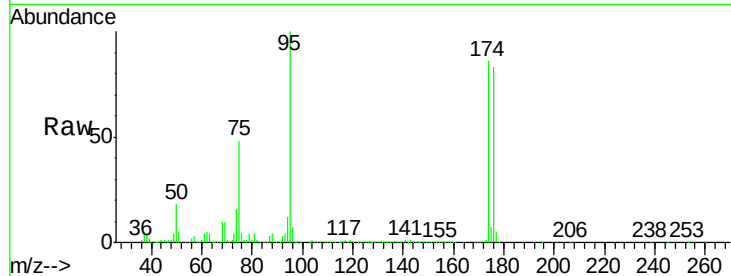
Tot Ion: 75 Resp: 167586

Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

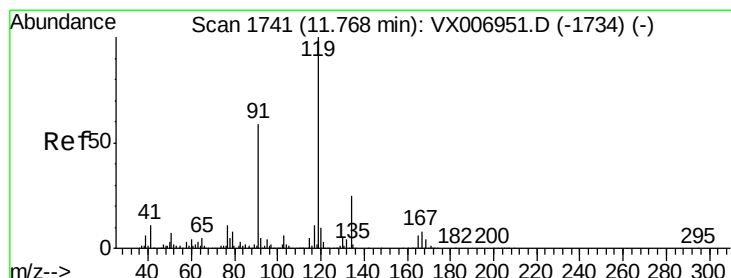
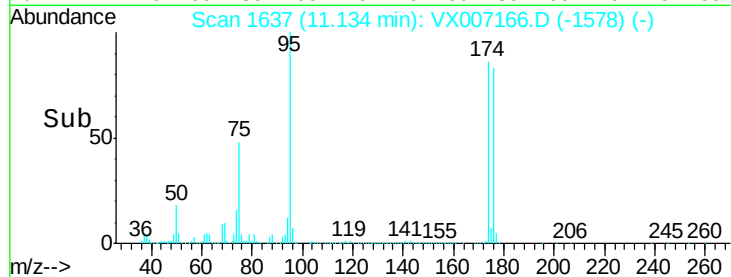
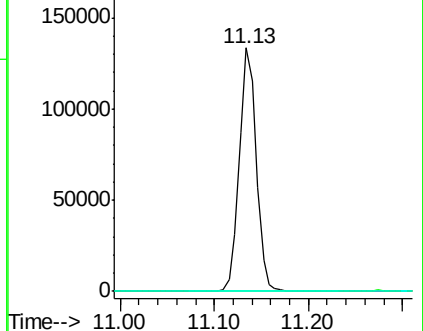
89 0.0 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VX006951.D (-1622) (-)

Ion 53.00 (52.70 to 53.70): VX006951.D (-1622) (-)

Ion 88.90 (88.60 to 89.60): VX006951.D (-1622) (-)



#83

tert-Butylbenzene

Concen: 0.615 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007166.D

Acq: 21 Jan 2019 18:27

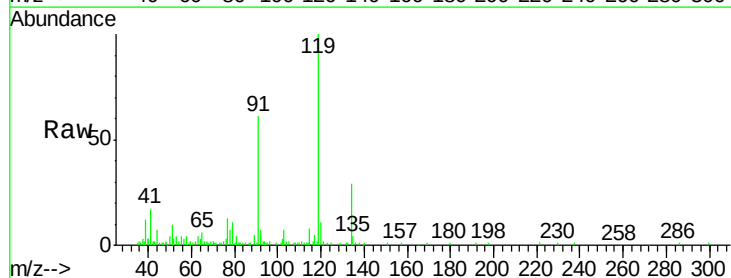
Tgt Ion: 119 Resp: 14060

Ion Ratio Lower Upper

119 100

91 69.6 27.7 83.1

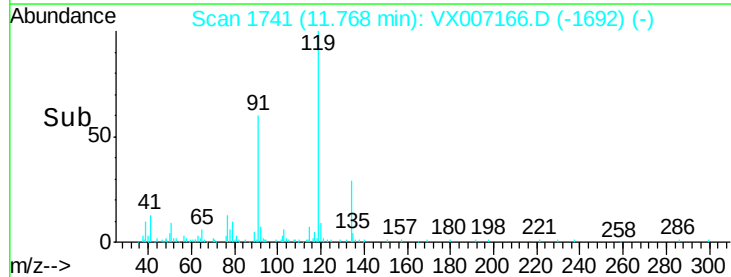
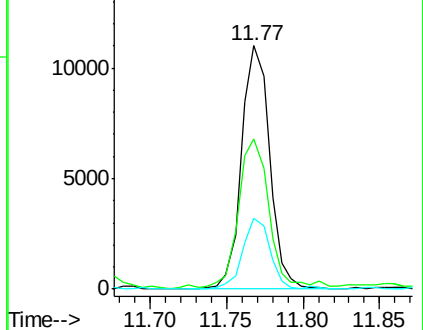
134 28.2 11.9 35.5

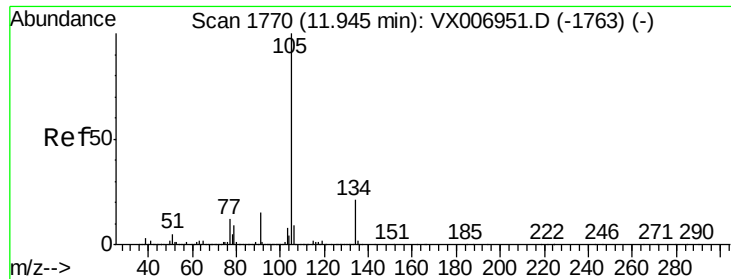


Abundance Ion 119.00 (118.70 to 119.70): VX006951.D (-1734) (-)

Ion 91.00 (90.70 to 91.70): VX006951.D (-1734) (-)

Ion 134.00 (133.70 to 134.70): VX006951.D (-1734) (-)





#85

sec-Butylbenzene

Concen: 0.445 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007166.D

Acq: 21 Jan 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

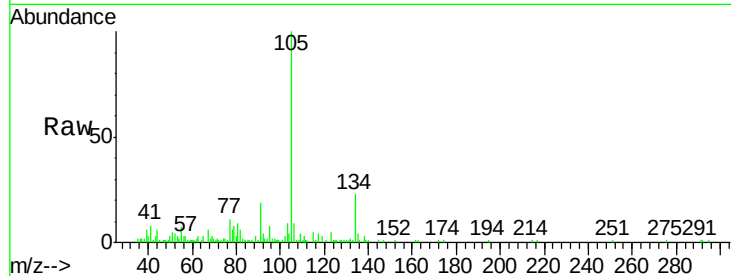
SS038MW009-190116DL

Tot Ion:105 Resp: 12160

Ion Ratio Lower Upper

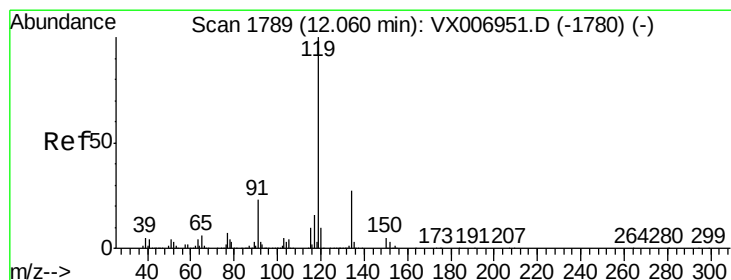
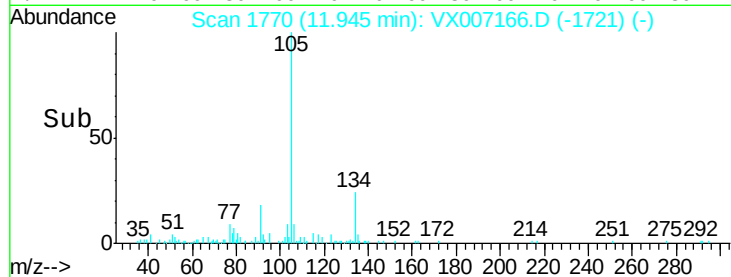
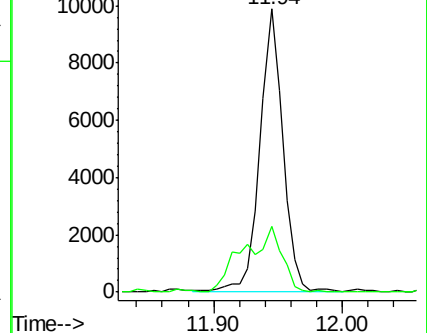
105 100

134 39.1 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: 2.398 ug/l

RT: 12.23 min Scan# 1817

Delta R.T. 0.17 min

Lab File: VX007166.D

Acq: 21 Jan 2019 18:27

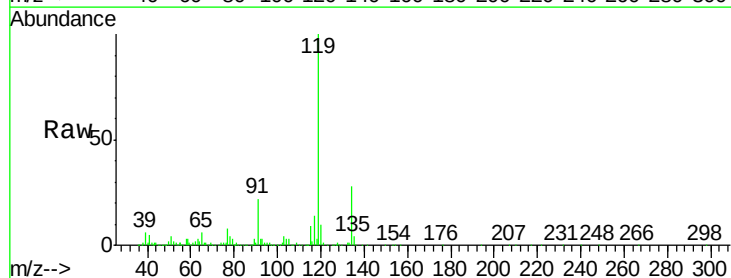
Tgt Ion:119 Resp: 58596

Ion Ratio Lower Upper

119 100

134 29.7 14.0 41.9

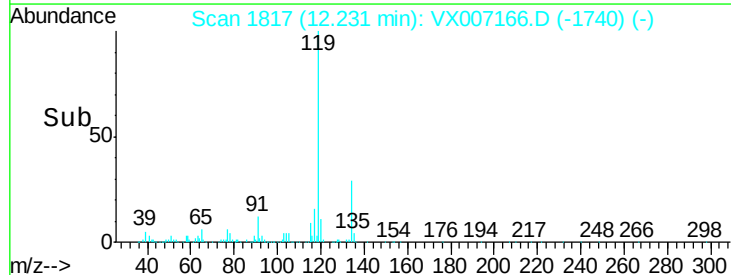
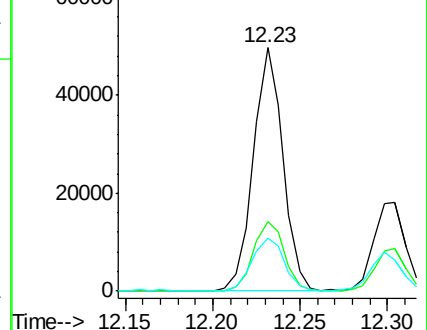
91 24.5 11.3 33.9

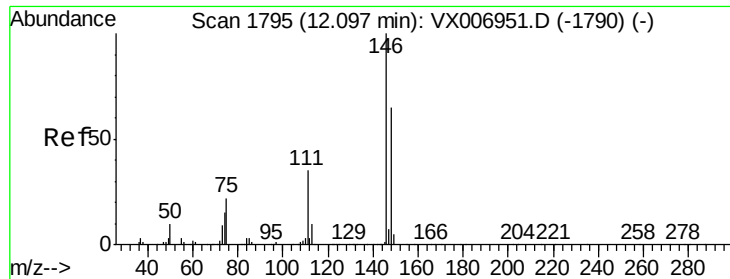


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#88

1,4-Dichlorobenzene

Concen: 0.322 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX007166.D

Acq: 21 Jan 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

SS038MW009-190116DL

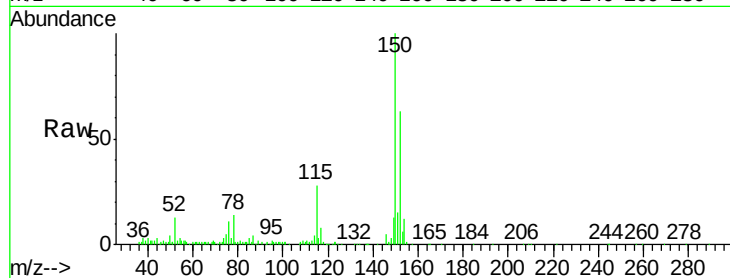
Tot Ion:146 Resp: 2304

Ion Ratio Lower Upper

146 100

111 262.4 18.1 54.1#

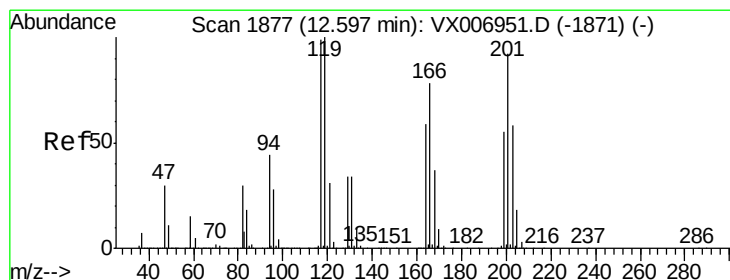
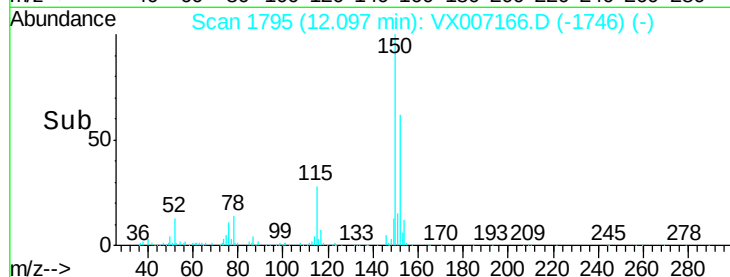
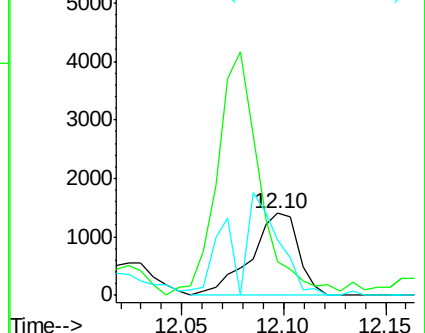
148 78.5 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#90

Hexachloroethane

Concen: 9.773 ug/l

RT: 12.70 min Scan# 1894

Delta R.T. 0.10 min

Lab File: VX007166.D

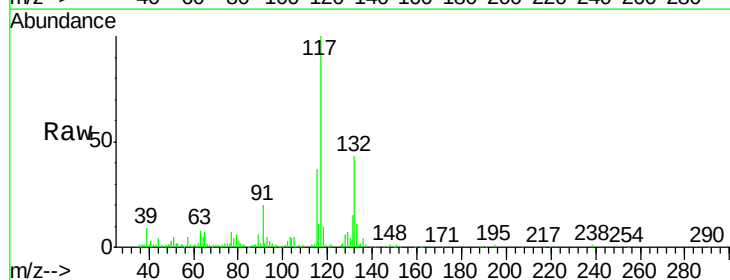
Acq: 21 Jan 2019 18:27

Tgt Ion:117 Resp: 28431

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

