

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081919\
 Data File : VX011631.D
 Acq On : 19 Aug 2019 14:55
 Operator : JC/SP
 Sample : K4351-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0144

Quant Time: Aug 20 09:39:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	433896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	566177	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	532874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	259021	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	206862	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
35) Dibromofluoromethane	5.49	113	178401	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
50) Toluene-d8	8.71	98	630213	54.62	ug/l	0.00
Spiked Amount			Recovery	=	109.24%	
62) 4-Bromofluorobenzene	11.13	95	238214	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	

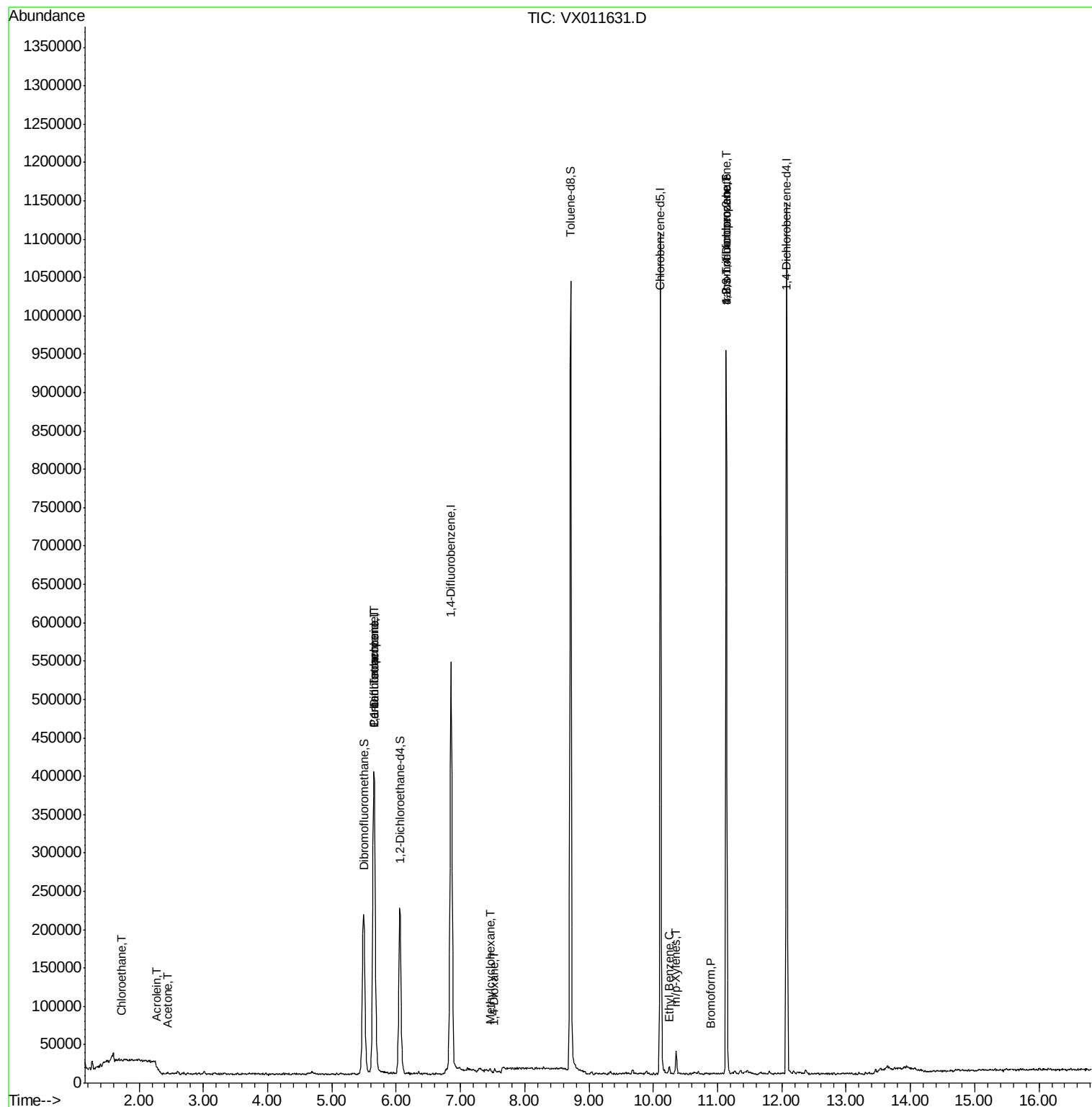
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.74	64	558	0.295	ug/l #	51
13) Acrolein	2.28	56	362	13.318	ug/l #	15
16) Acetone	2.44	43	995	0.492	ug/l #	79
36) 1,1-Dichloropropene	5.65	75	23663	4.888	ug/l #	53
38) Carbon Tetrachloride	5.65	117	35558	6.667	ug/l #	16
39) Methylcyclohexane	7.46	83	1516	0.254	ug/l #	78
49) 1,4-Dioxane	7.52	88	290	2.534	ug/l	91
67) Ethyl Benzene	10.25	91	5512	0.291	ug/l	98
68) m/p-Xylenes	10.36	106	7363	1.011	ug/l	94
71) Bromoform	10.88	173	68	3.307	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	109847	22.365	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	109847	59.635	ug/l #	11

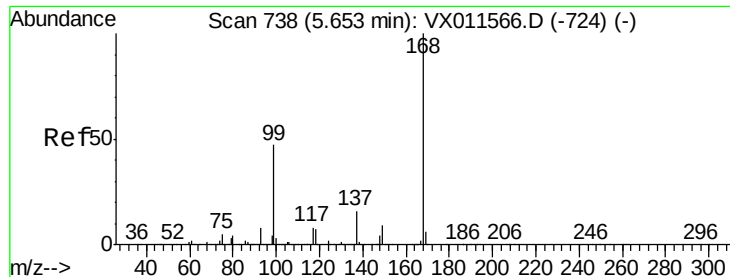
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX081919\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011631.D

Acq: 19 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampleId :

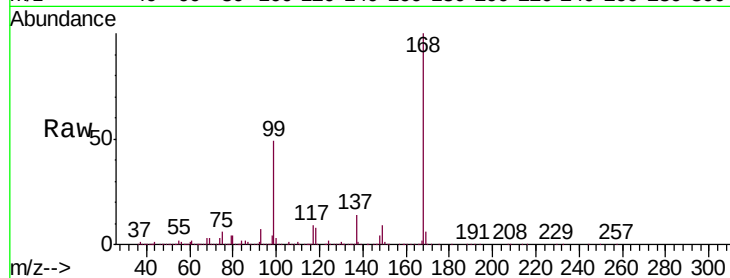
PH2-0144

Tgt Ion:168 Resp: 433896

Ion Ratio Lower Upper

168 100

99 48.7 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

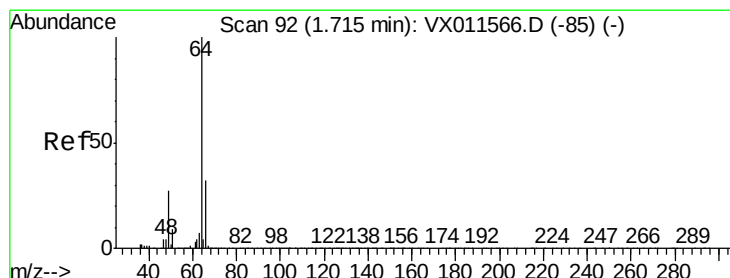
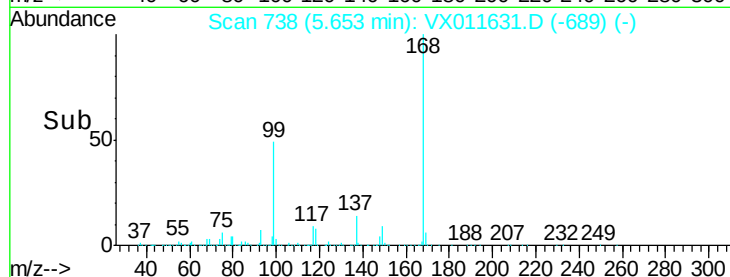
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.295 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX011631.D

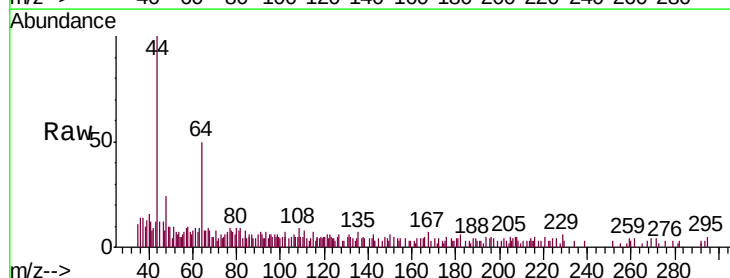
Acq: 19 Aug 2019 14:55

Tgt Ion: 64 Resp: 558

Ion Ratio Lower Upper

64 100

66 4.2 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.74

1200

1000

800

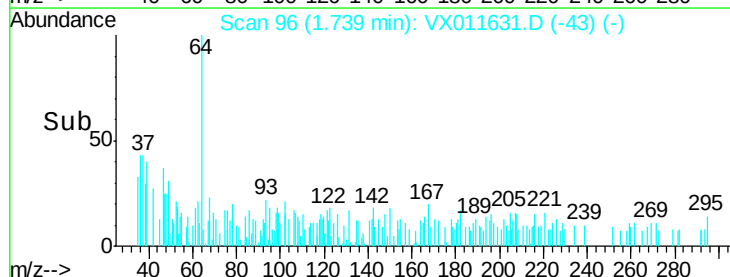
600

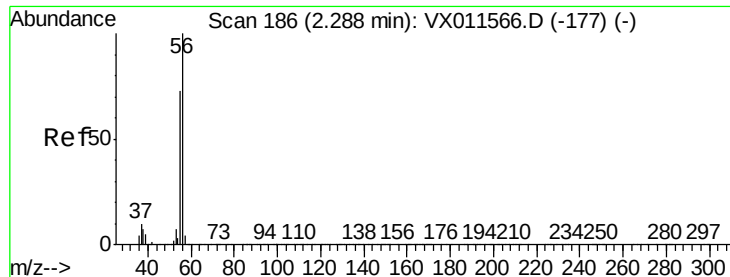
400

200

0

Time-->





#13

Acrolein

Concen: 13.318 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX011631.D

Acq: 19 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampleId :

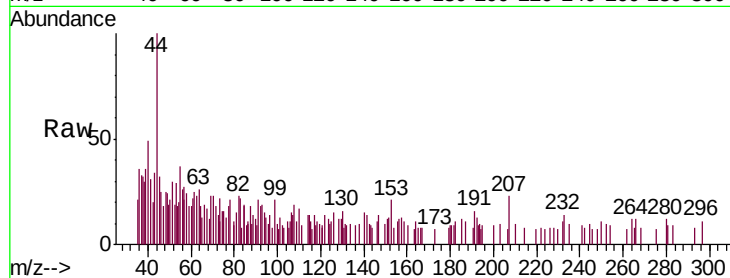
PH2-0144

Tgt Ion: 56 Resp: 362

Ion Ratio Lower Upper

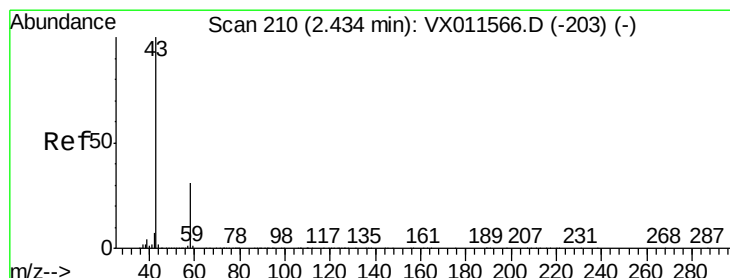
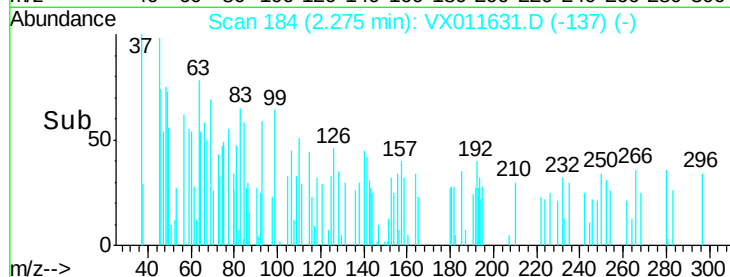
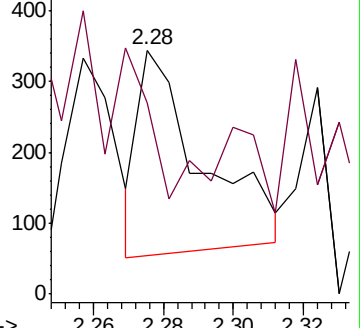
56 100

55 0.0 55.5 83.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.492 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011631.D

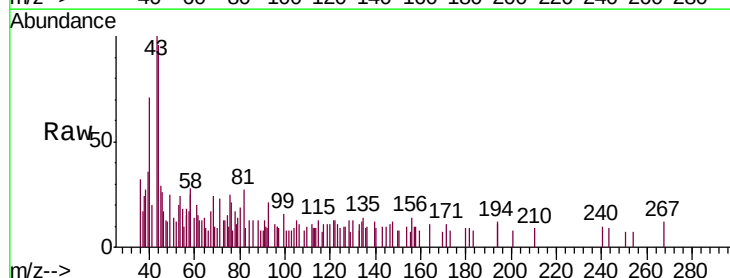
Acq: 19 Aug 2019 14:55

Tgt Ion: 43 Resp: 995

Ion Ratio Lower Upper

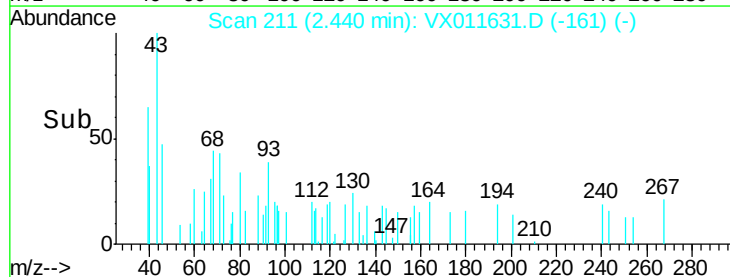
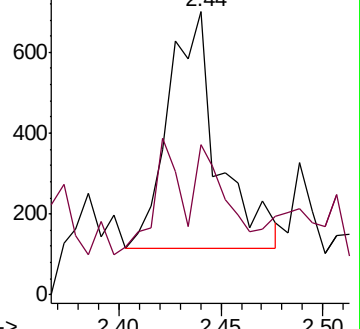
43 100

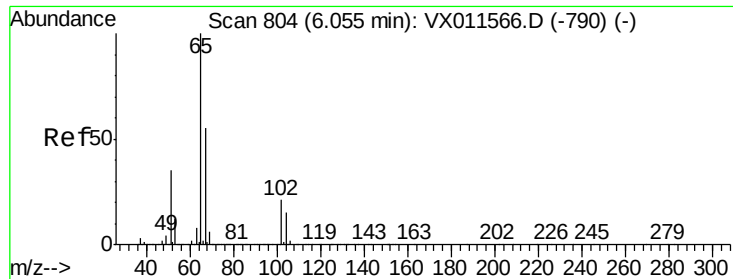
58 43.2 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

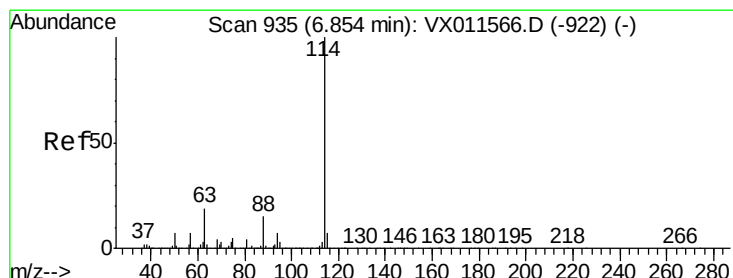
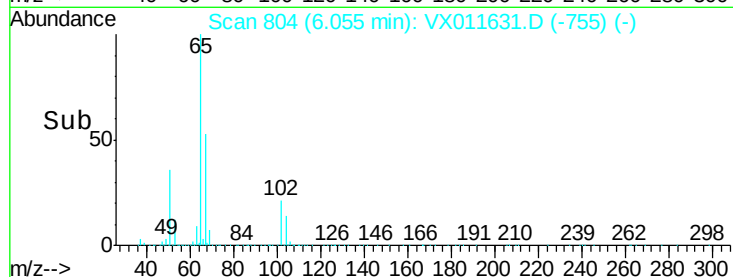
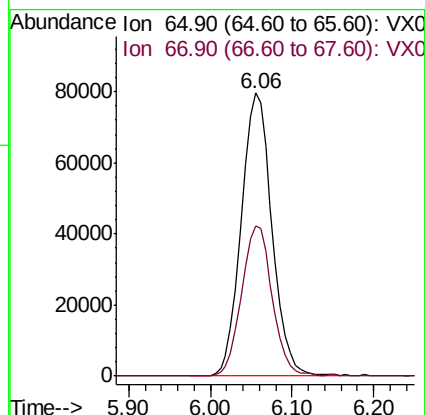
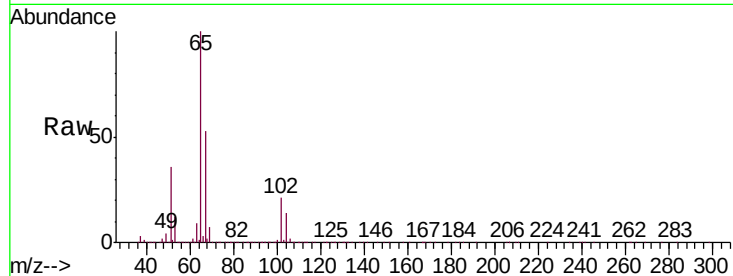




#33
 1,2-Dichloroethane-d4
 Concen: 51.410 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011631.D
 Acq: 19 Aug 2019 14:55

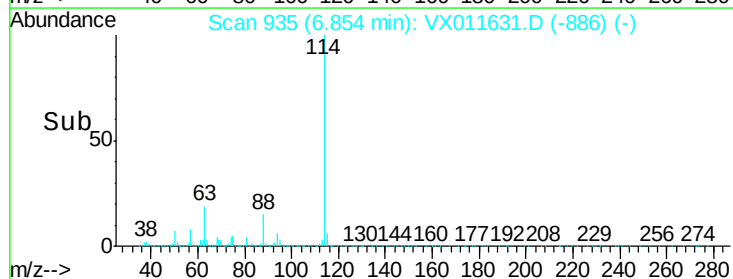
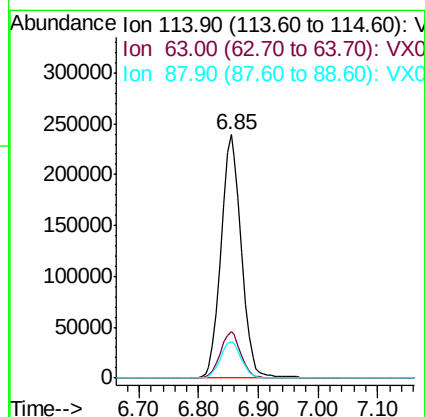
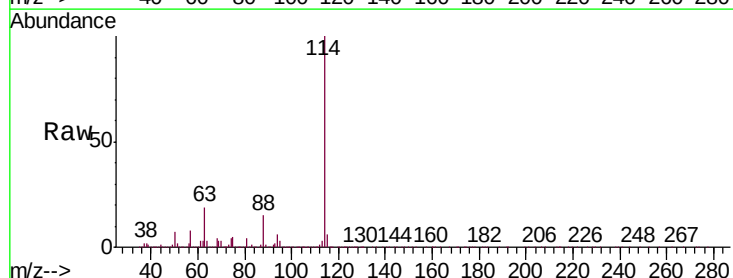
Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0144

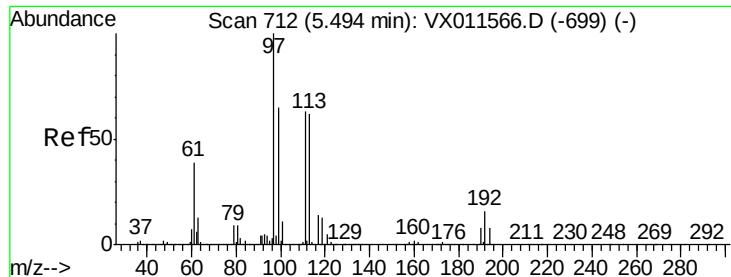
Tgt Ion: 65 Resp: 206862
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011631.D
 Acq: 19 Aug 2019 14:55

Tgt Ion: 114 Resp: 566177
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.8
 88 15.1 0.0 30.2

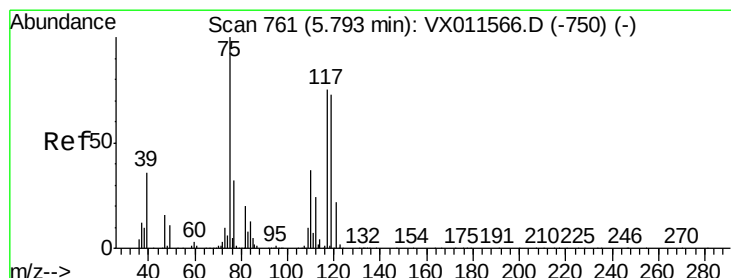
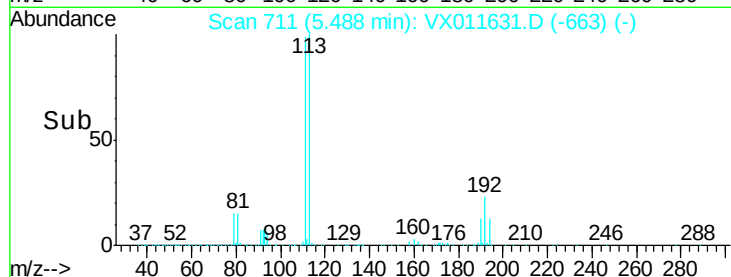
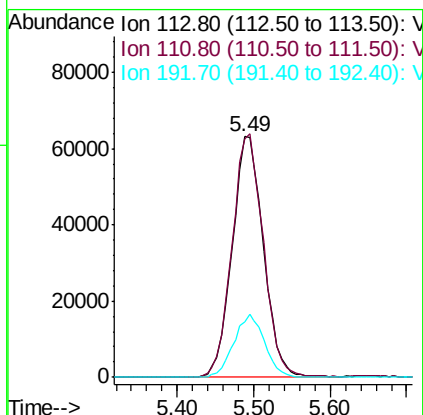
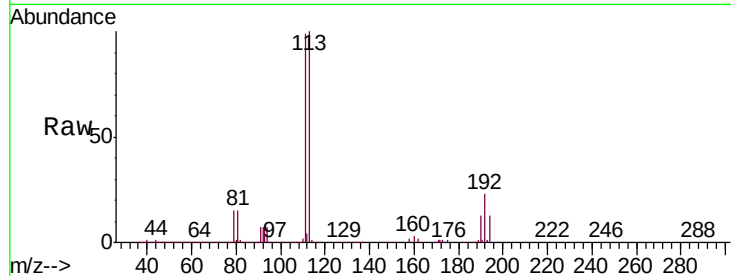




#35
 Dibromofluoromethane
 Concen: 48.175 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011631.D
 Acq: 19 Aug 2019 14:55

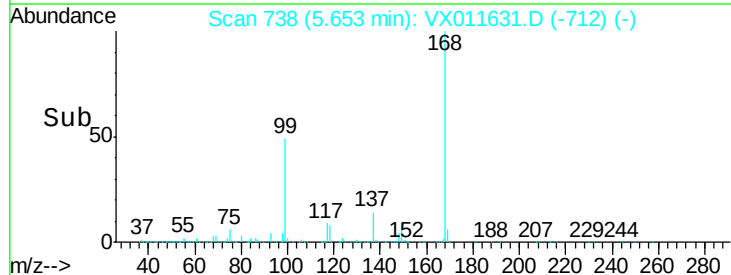
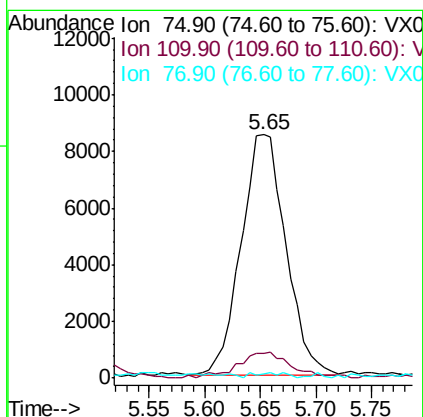
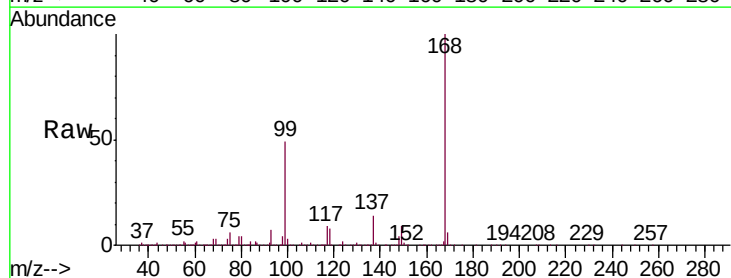
Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0144

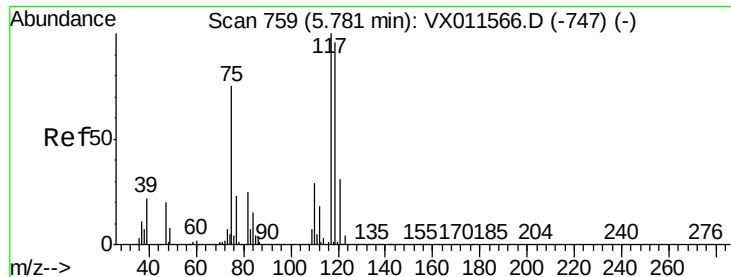
Tgt Ion: 113 Resp: 178401
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.1 121.7
 192 25.9 20.8 31.2



#36
 1,1-Dichloropropene
 Concen: 4.888 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011631.D
 Acq: 19 Aug 2019 14:55

Tgt Ion: 75 Resp: 23663
 Ion Ratio Lower Upper
 75 100
 110 13.1 19.4 58.1#
 77 1.5 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.667 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011631.D

Acq: 19 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampleId :

PH2-0144

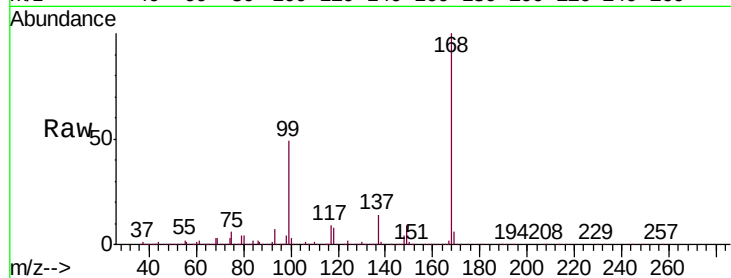
Tgt Ion: 117 Resp: 35558

Ion Ratio Lower Upper

117 100

119 5.6 76.9 115.3#

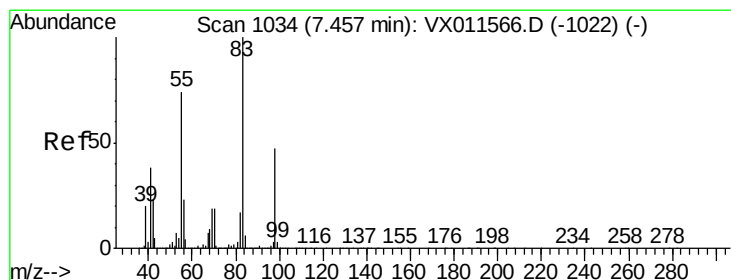
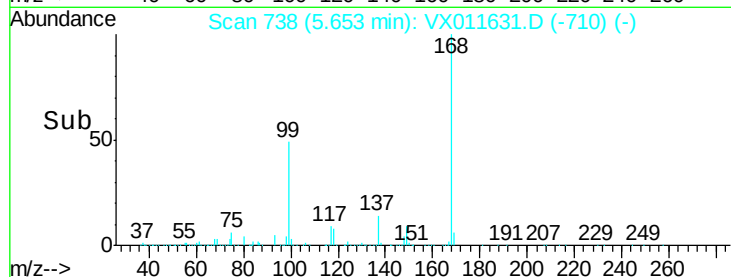
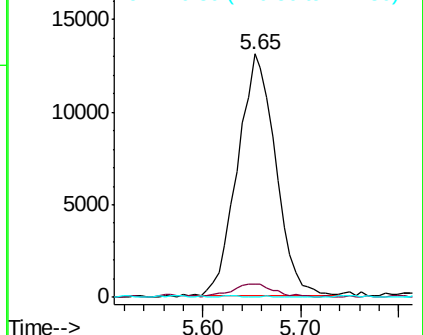
121 0.0 24.8 37.2#



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



#39

Methylcyclohexane

Concen: 0.254 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VX011631.D

Acq: 19 Aug 2019 14:55

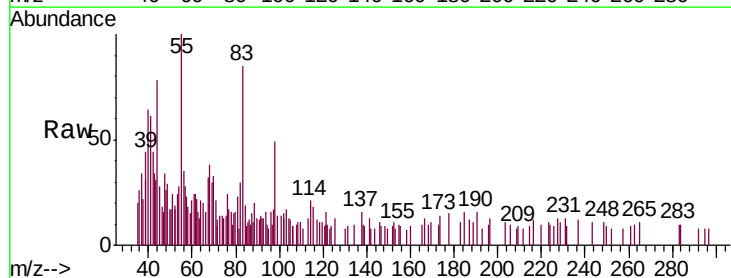
Tgt Ion: 83 Resp: 1516

Ion Ratio Lower Upper

83 100

55 100.8 58.8 88.2#

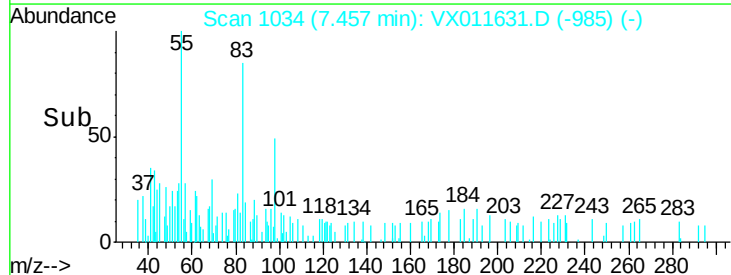
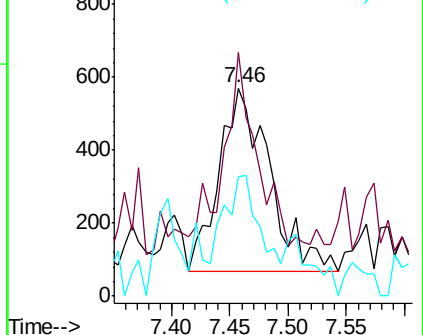
98 51.7 37.8 56.6

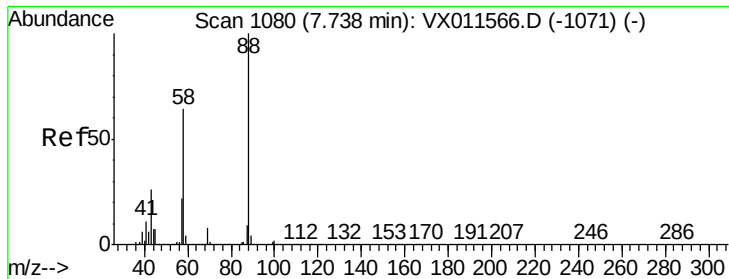


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

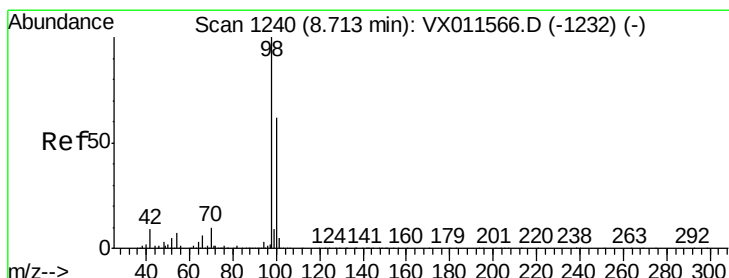
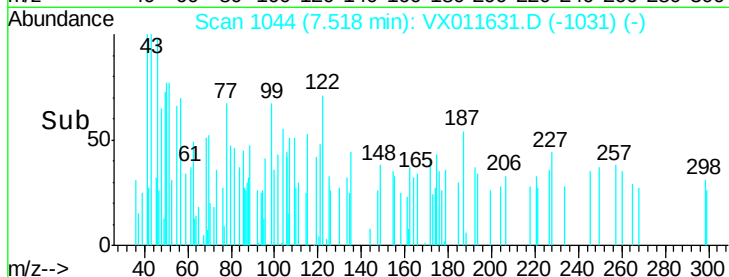
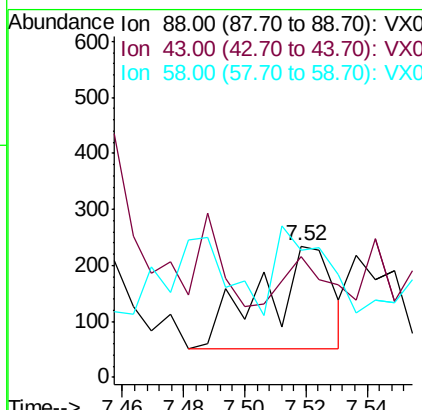
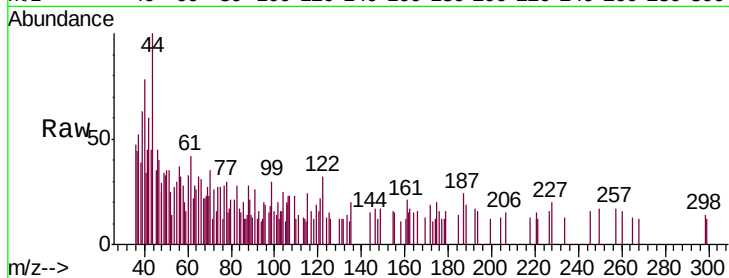




#49
1,4-Dioxane
Concen: 2.534 ug/l
RT: 7.52 min Scan# 1044
Delta R.T. -0.22 min
Lab File: VX011631.D
Acq: 19 Aug 2019 14:55

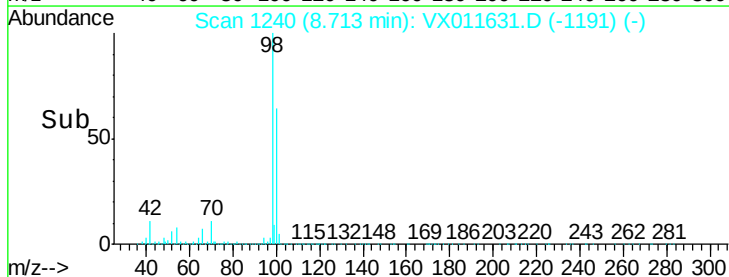
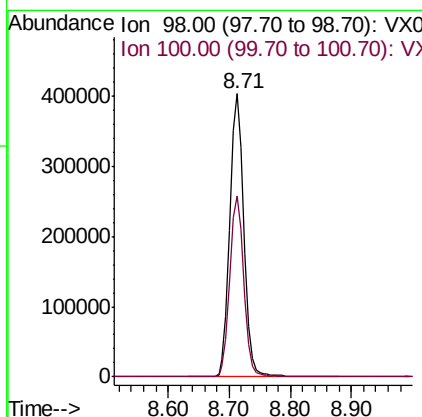
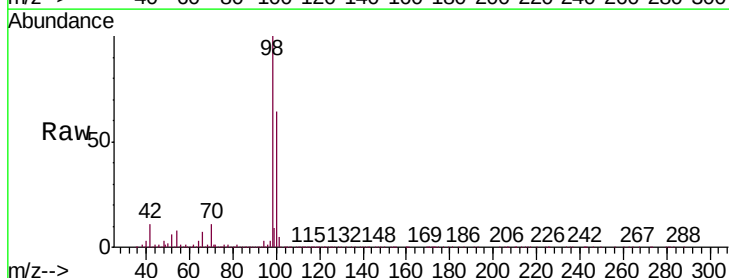
Instrument :
MSVOA_X
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PH2-0144

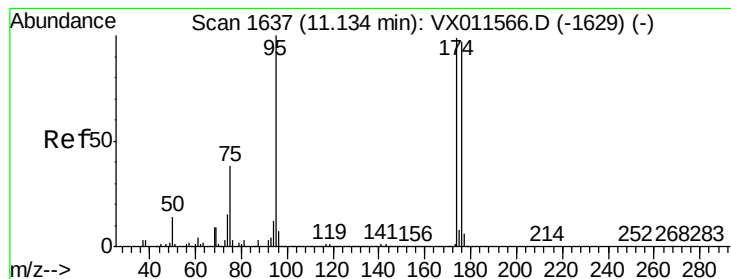
Tgt Ion: 88 Resp: 290
Ion Ratio Lower Upper
88 100
43 25.9 23.4 35.0
58 59.7 54.3 81.5



#50
Toluene-d8
Concen: 54.618 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011631.D
Acq: 19 Aug 2019 14:55

Tgt Ion: 98 Resp: 630213
Ion Ratio Lower Upper
98 100
100 63.9 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 48.912 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011631.D

Acq: 19 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampleId :

PH2-0144

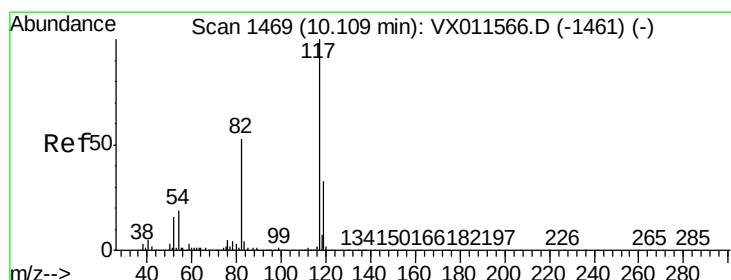
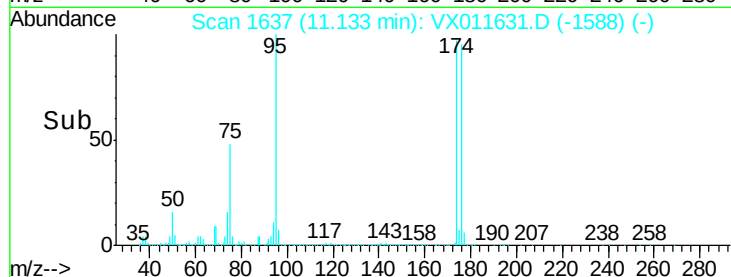
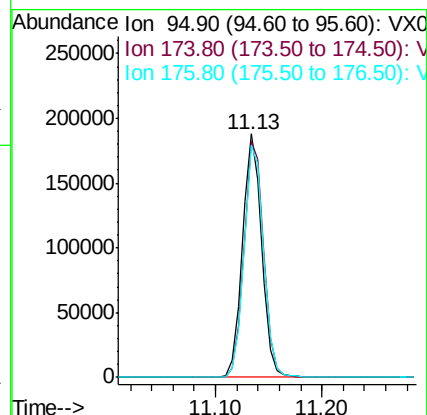
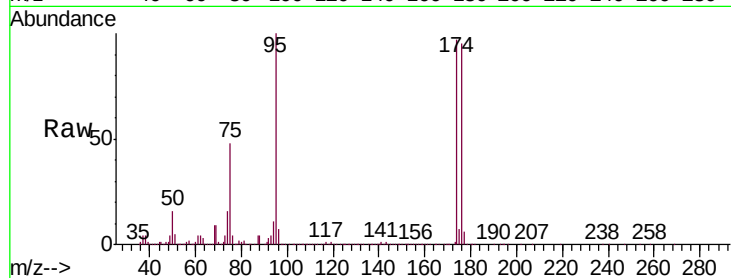
Tgt Ion: 95 Resp: 238214

Ion Ratio Lower Upper

95 100

174 98.9 0.0 200.6

176 96.6 0.0 196.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011631.D

Acq: 19 Aug 2019 14:55

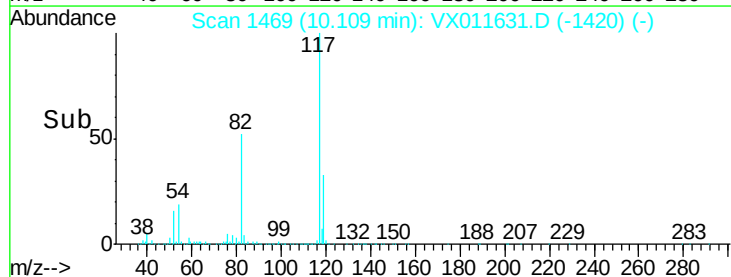
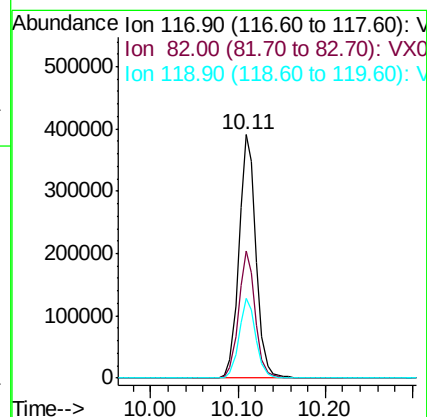
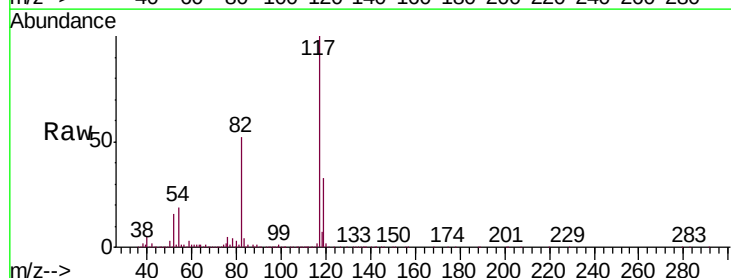
Tgt Ion: 117 Resp: 532874

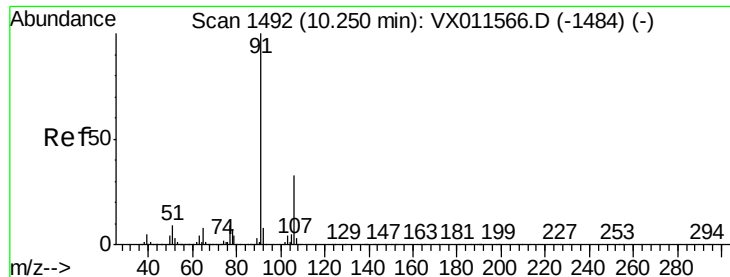
Ion Ratio Lower Upper

117 100

82 52.1 42.0 63.0

119 32.5 26.5 39.7





#67

Ethyl Benzene

Concen: 0.291 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011631.D

Acq: 19 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampleId :

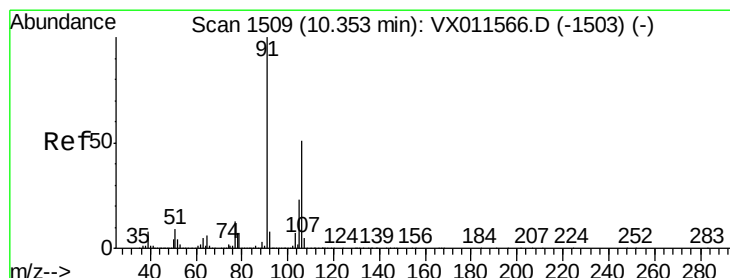
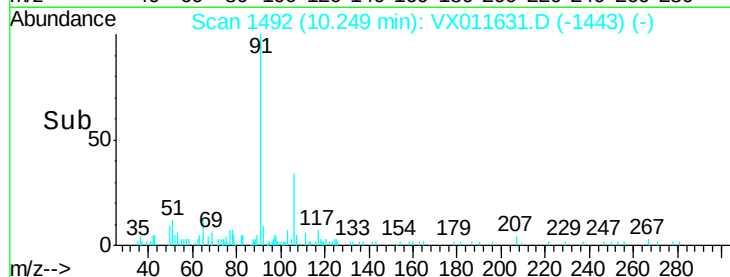
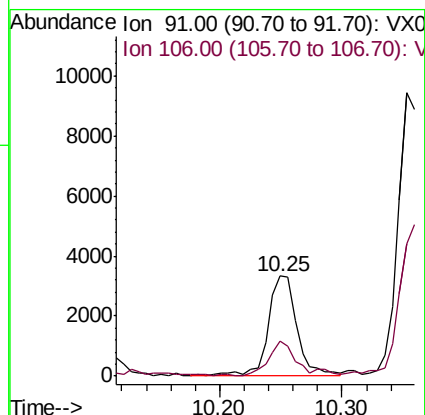
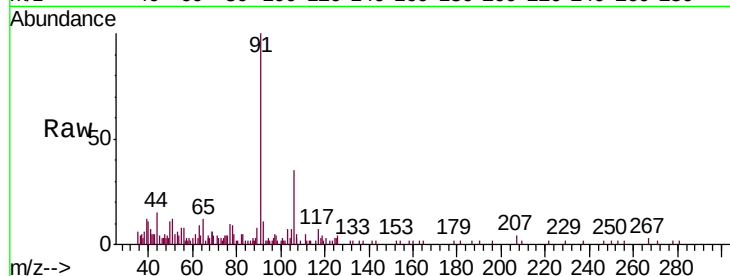
PH2-0144

Tgt Ion: 91 Resp: 5512

Ion Ratio Lower Upper

91 100

106 33.7 26.0 39.0



#68

m/p-Xylenes

Concen: 1.011 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VX011631.D

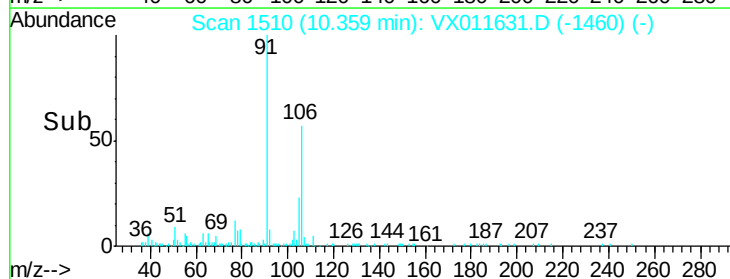
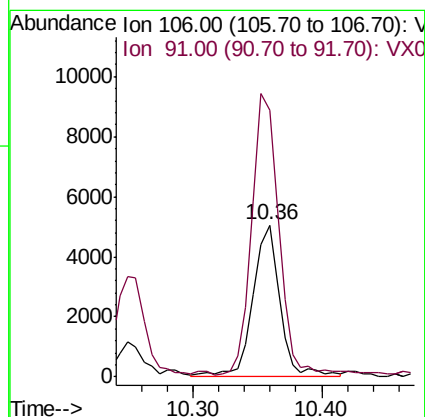
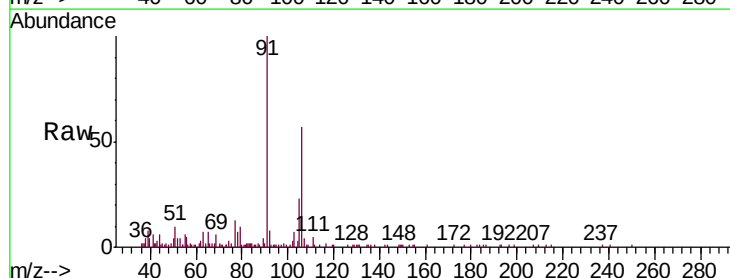
Acq: 19 Aug 2019 14:55

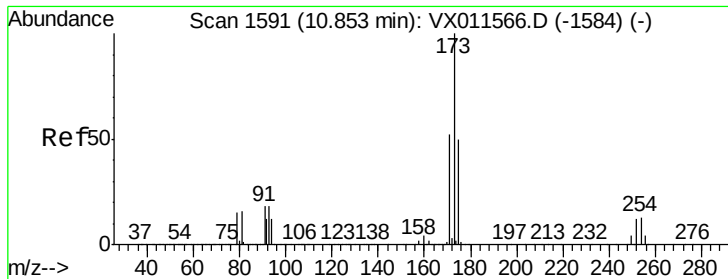
Tgt Ion: 106 Resp: 7363

Ion Ratio Lower Upper

106 100

91 185.8 156.0 234.0





#71

Bromoform

Concen: 3.307 ug/l

RT: 10.88 min Scan# 1596

Delta R.T. 0.03 min

Lab File: VX011631.D

Acq: 19 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampled :

PH2-0144

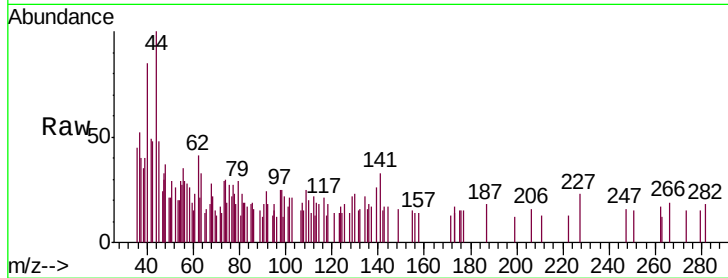
Tgt Ion:173 Resp: 68

Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.7#

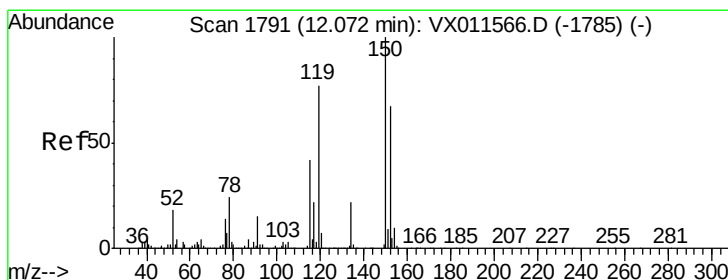
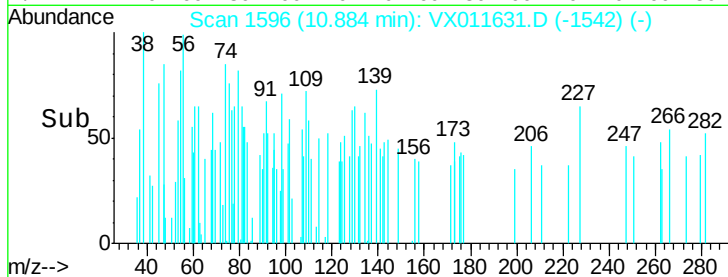
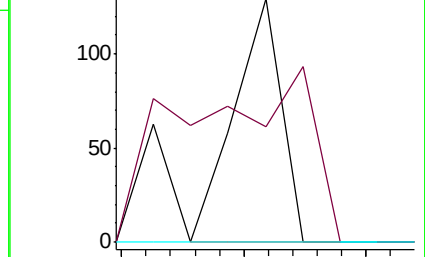
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX011631.D

Acq: 19 Aug 2019 14:55

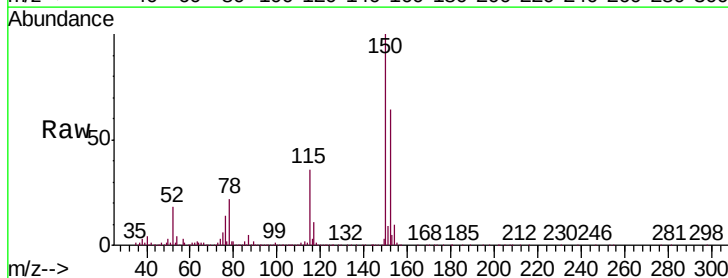
Tgt Ion:152 Resp: 259021

Ion Ratio Lower Upper

152 100

115 53.5 37.3 111.9

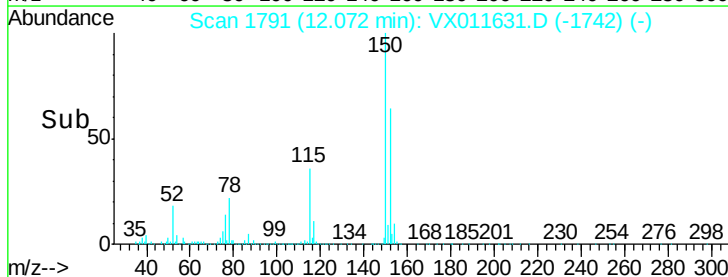
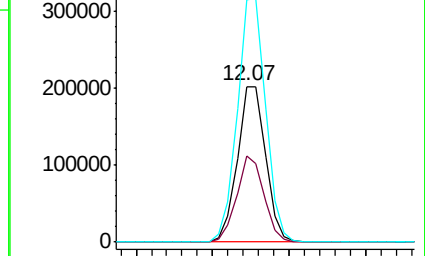
150 157.3 0.0 346.2

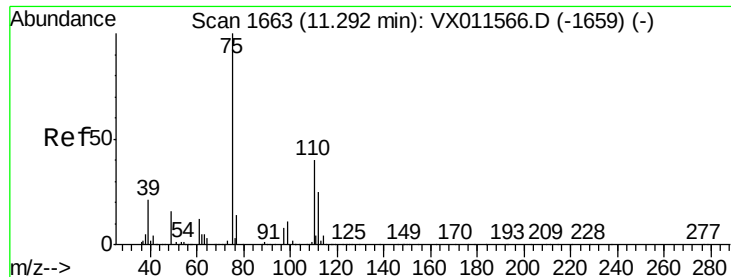


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.365 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011631.D

Acq: 19 Aug 2019 14:55

Instrument :

MSVOA_X

ClientSampled :

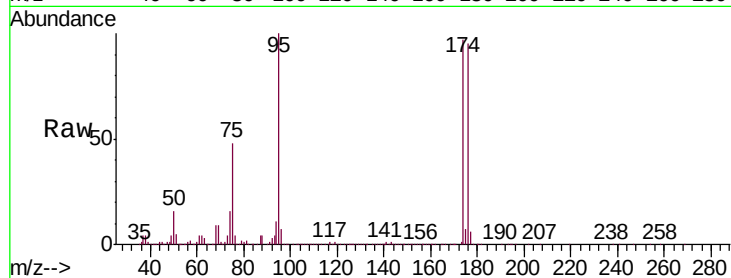
PH2-0144

Tgt Ion: 75 Resp: 109847

Ion Ratio Lower Upper

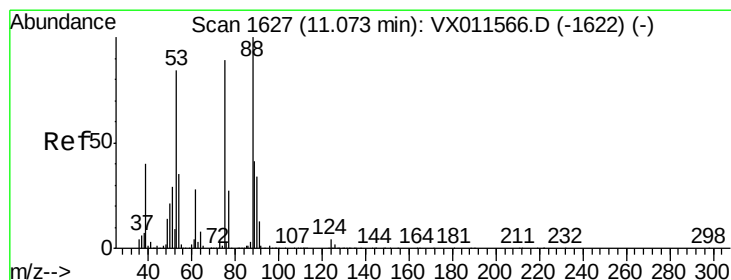
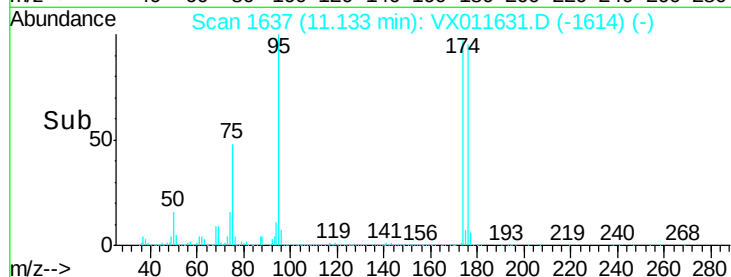
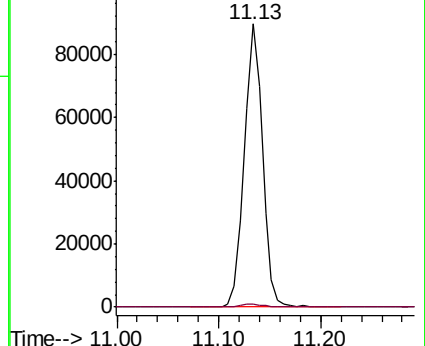
75 100

77 1.5 20.9 62.8#



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: 59.635 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011631.D

Acq: 19 Aug 2019 14:55

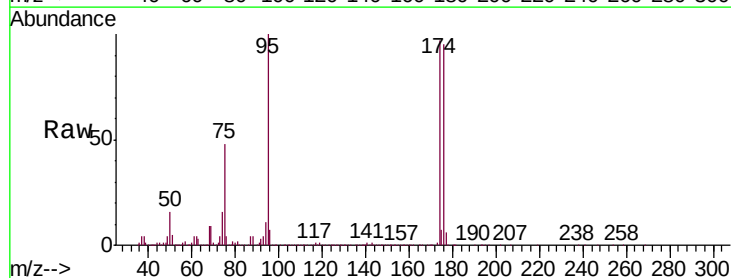
Tgt Ion: 75 Resp: 109847

Ion Ratio Lower Upper

75 100

53 0.3 77.4 116.0#

89 0.0 37.3 55.9#



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

