

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081919\
 Data File : VX011629.D
 Acq On : 19 Aug 2019 14:08
 Operator : JC/SP
 Sample : K4351-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0136

Quant Time: Aug 20 09:38:43 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	5.66	168	430567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	592529	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	526135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	260521	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	202712	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
35) Dibromofluoromethane	5.49	113	175451	45.27	ug/l	0.00
Spiked Amount			Recovery	=	90.54%	
50) Toluene-d8	8.71	98	644174	53.35	ug/l	0.00
Spiked Amount			Recovery	=	106.70%	
62) 4-Bromofluorobenzene	11.13	95	237493	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	

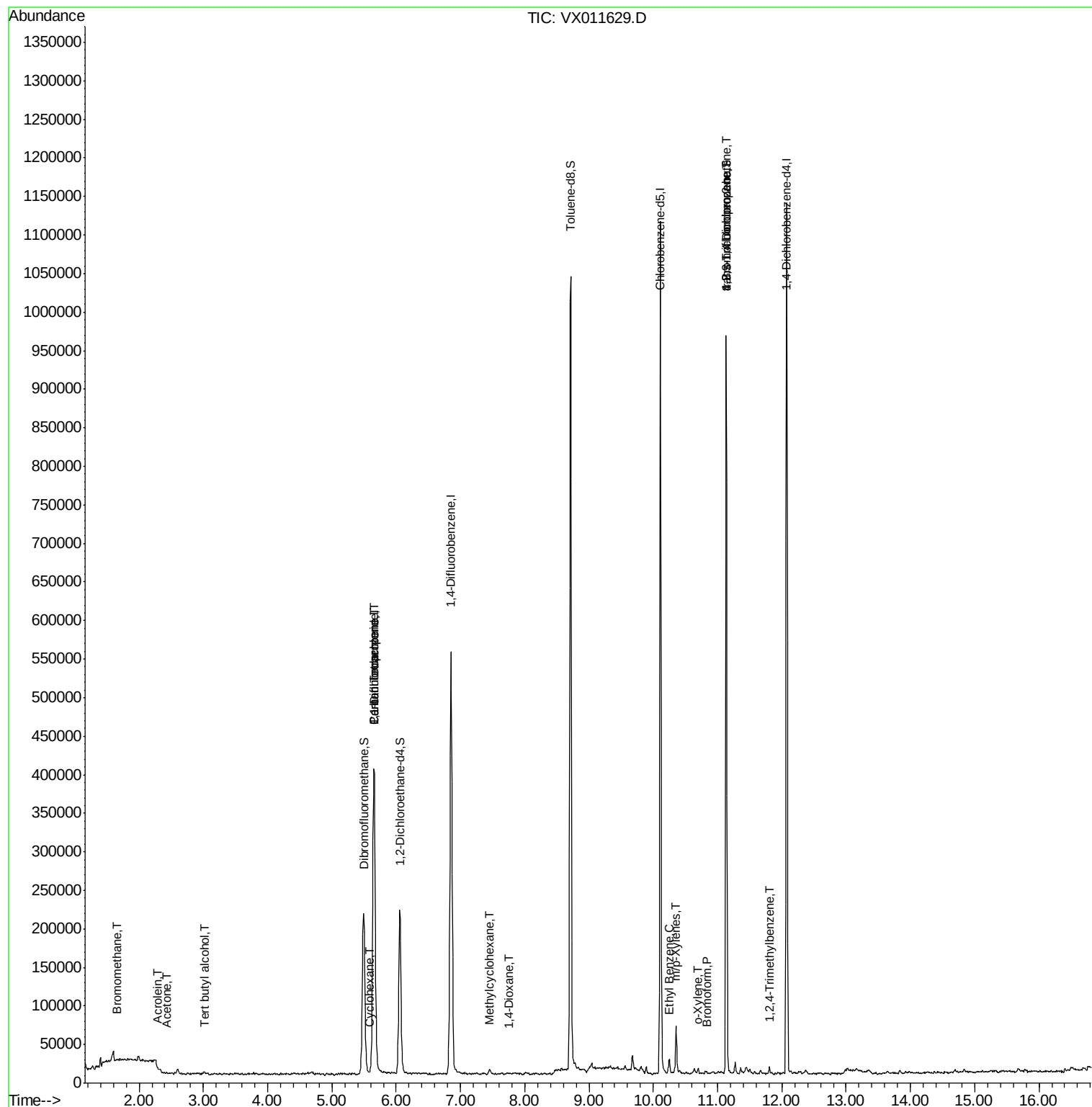
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	395	0.222	ug/l #	56
11) Tert butyl alcohol	3.01	59	2655	2.710	ug/l	99
13) Acrolein	2.29	56	84	12.449	ug/l #	1
16) Acetone	2.43	43	1448	0.721	ug/l #	87
31) Cyclohexane	5.57	56	1653	0.279	ug/l #	49
36) 1,1-Dichloropropene	5.65	75	25821	5.097	ug/l #	50
38) Carbon Tetrachloride	5.65	117	36991	6.628	ug/l #	16
39) Methylcyclohexane	7.46	83	3268	0.522	ug/l #	89
49) 1,4-Dioxane	7.74	88	217	1.812	ug/l #	31
67) Ethyl Benzene	10.25	91	11073	0.591	ug/l	92
68) m/p-Xylenes	10.35	106	14359	1.997	ug/l	100
69) o-Xylene	10.69	106	2110	0.300	ug/l	67
71) Bromoform	10.84	173	94	3.313	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	110682	22.405	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	110682	59.734	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.80	105	3976	0.279	ug/l	84

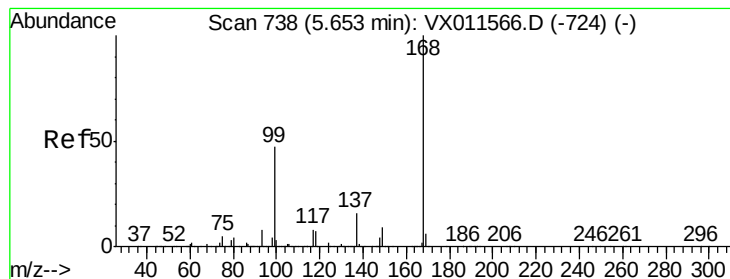
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011629.D

Acq: 19 Aug 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

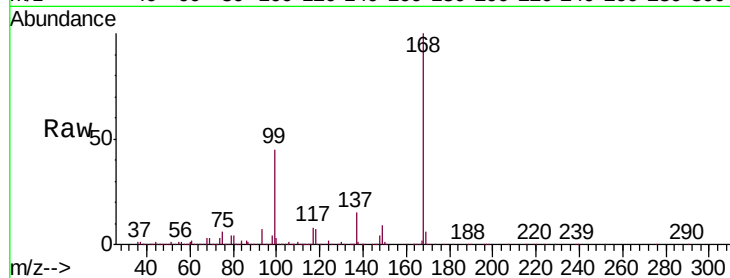
PH2-0136

Tgt Ion: 168 Resp: 430567

Ion Ratio Lower Upper

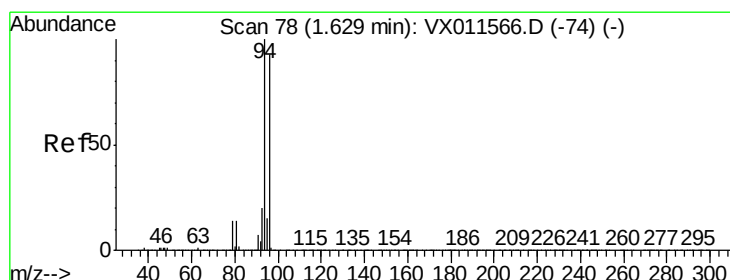
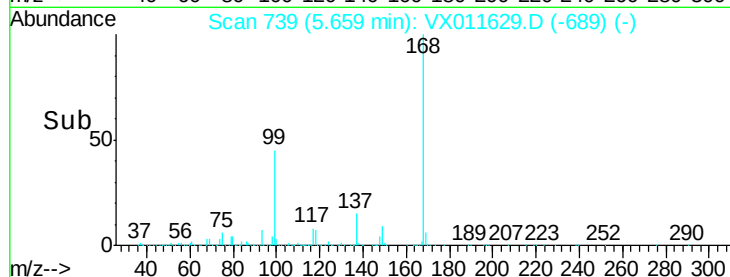
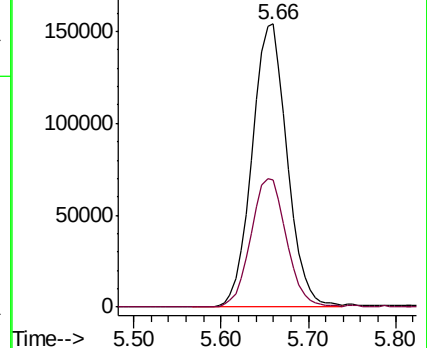
168 100

99 44.9 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.222 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011629.D

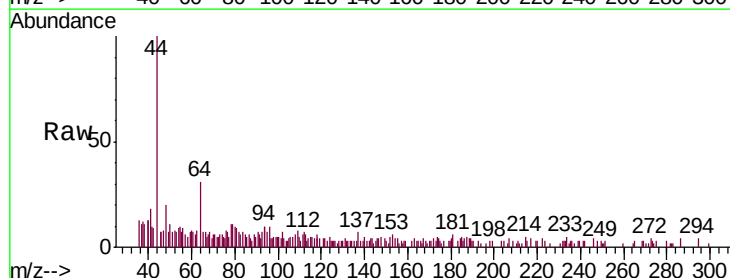
Acq: 19 Aug 2019 14:08

Tgt Ion: 94 Resp: 395

Ion Ratio Lower Upper

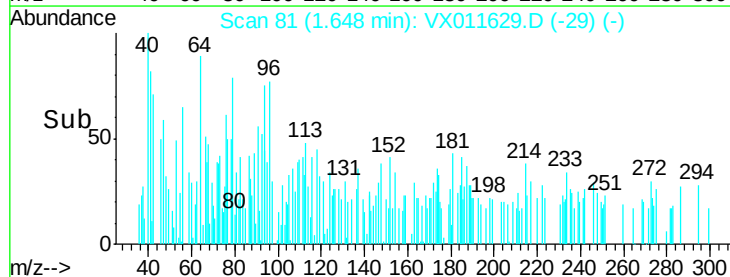
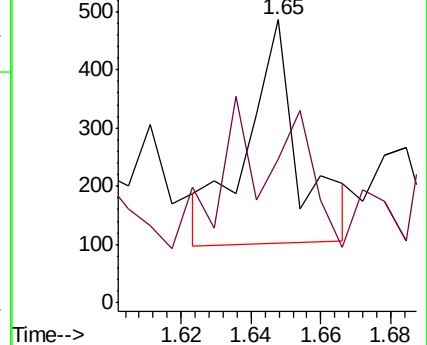
94 100

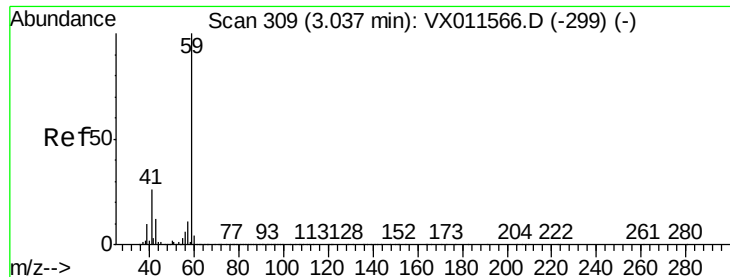
96 50.8 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



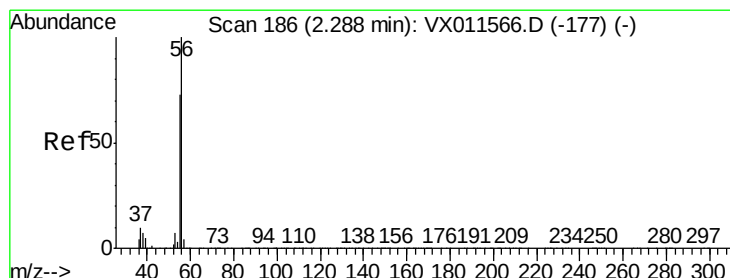
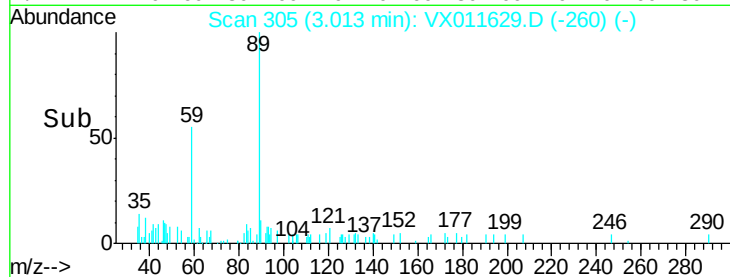
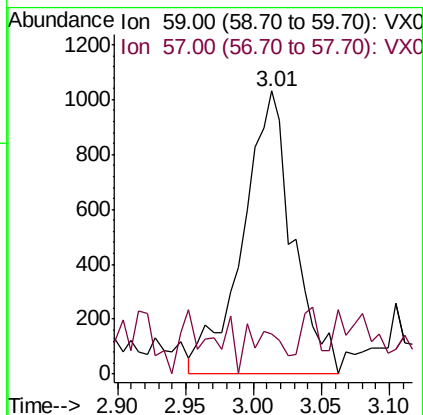
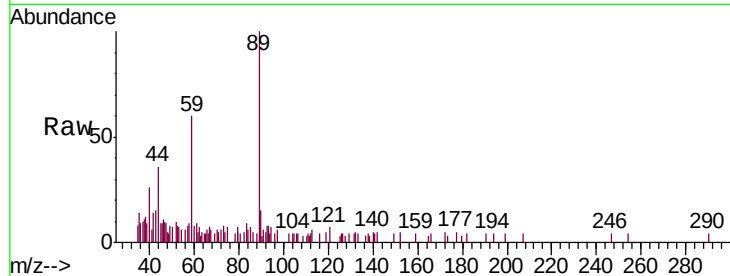


#11

Tert butyl alcohol
 Concen: 2.710 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.02 min
 Lab File: VX011629.D
 Acq: 19 Aug 2019 14:08

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0136

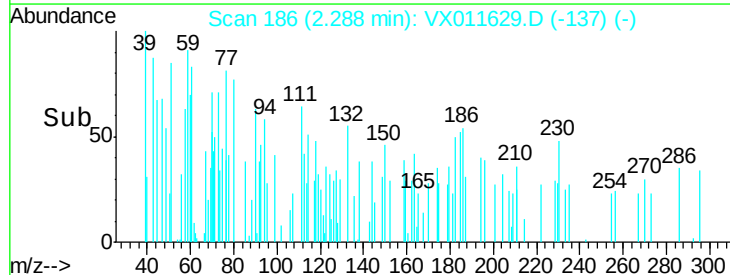
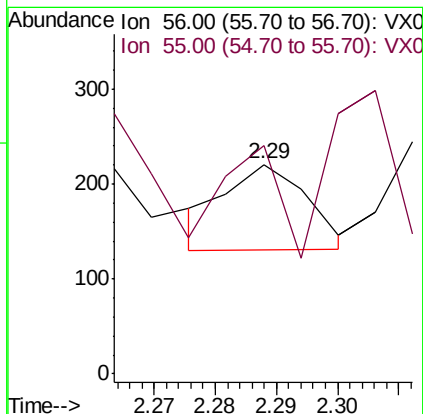
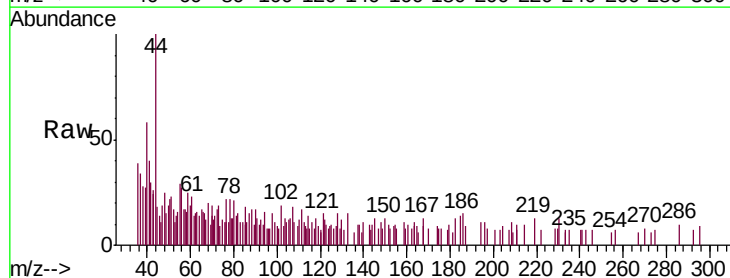
Tgt Ion: 59 Resp: 2655
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.7 13.1

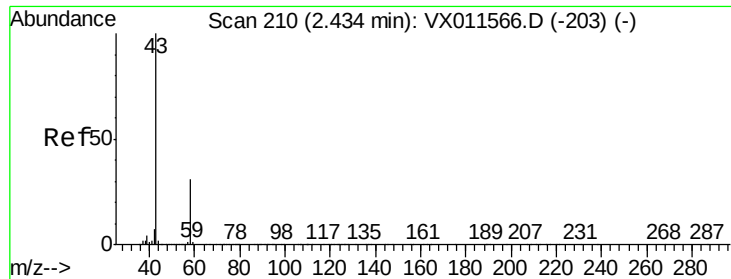


#13

Acrolein
 Concen: 12.449 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. 0.00 min
 Lab File: VX011629.D
 Acq: 19 Aug 2019 14:08

Tgt Ion: 56 Resp: 84
 Ion Ratio Lower Upper
 56 100
 55 208.3 55.5 83.3#

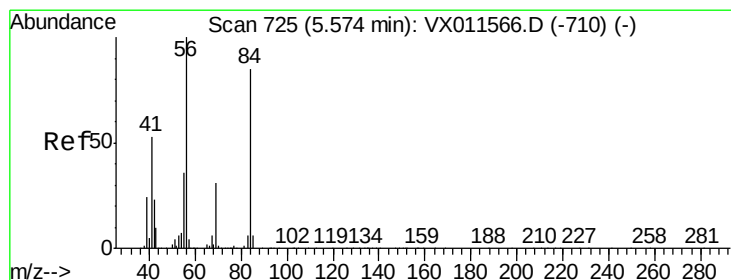
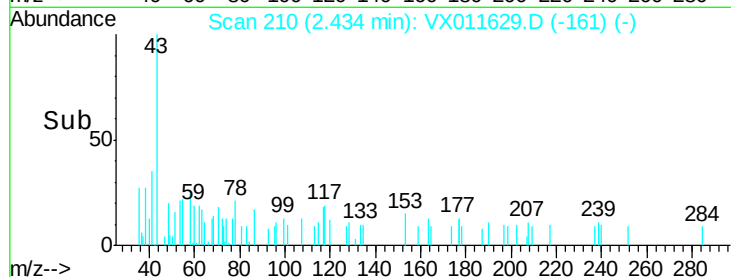
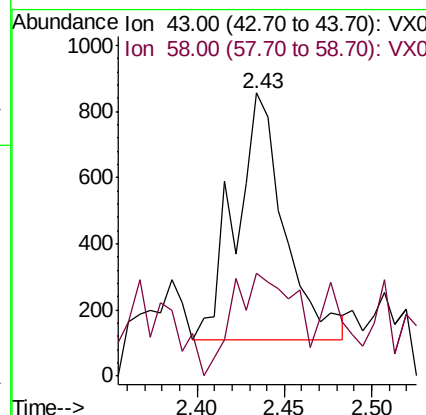
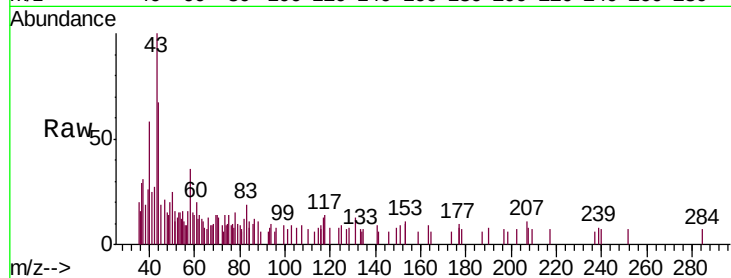




#16
Acetone
Concen: 0.721 ug/l
RT: 2.43 min Scan# 210
Delta R.T. 0.00 min
Lab File: VX011629.D
Acq: 19 Aug 2019 14:08

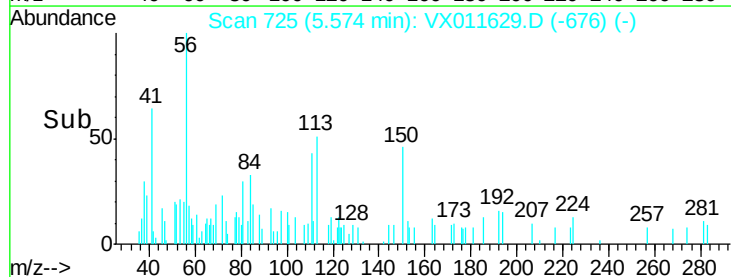
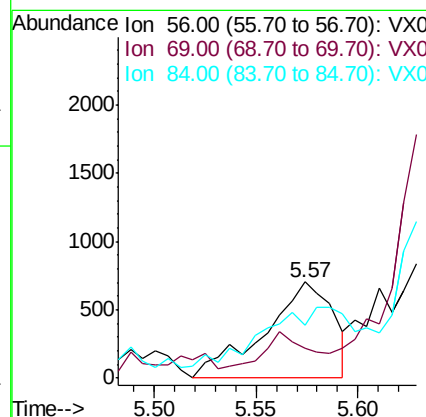
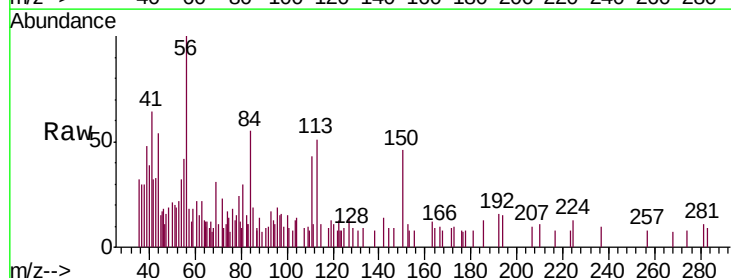
Instrument :
MSVOA_X
ClientSampleId :
PH2-0136

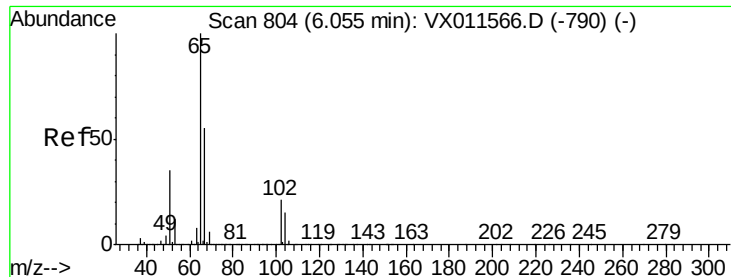
Tgt Ion: 43 Resp: 1448
Ion Ratio Lower Upper
43 100
58 24.5 25.2 37.8#



#31
Cyclohexane
Concen: 0.279 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX011629.D
Acq: 19 Aug 2019 14:08

Tgt Ion: 56 Resp: 1653
Ion Ratio Lower Upper
56 100
69 0.0 24.8 37.2#
84 39.8 67.9 101.9#





#33

1,2-Dichloroethane-d4

Concen: 50.768 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011629.D

Acq: 19 Aug 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

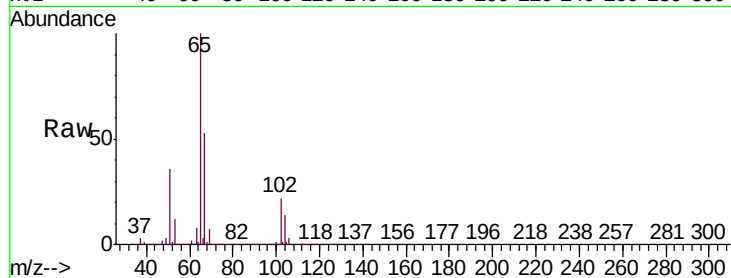
PH2-0136

Tgt Ion: 65 Resp: 202712

Ion Ratio Lower Upper

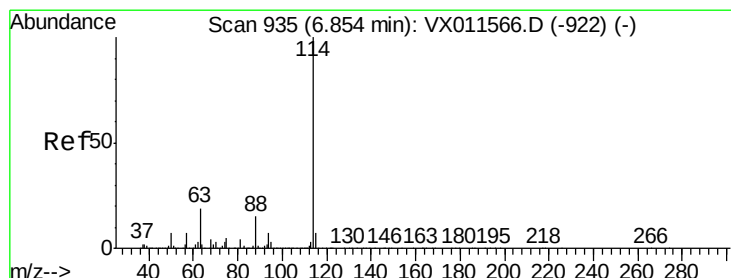
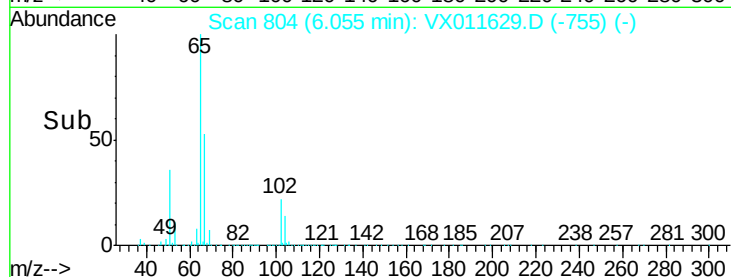
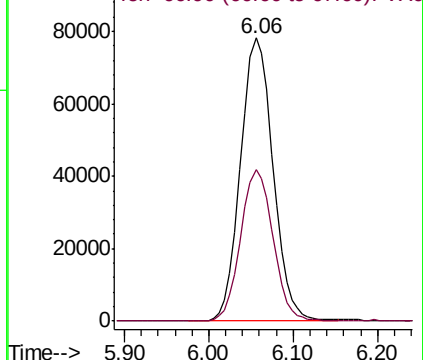
65 100

67 53.3 0.0 107.6



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: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011629.D

Acq: 19 Aug 2019 14:08

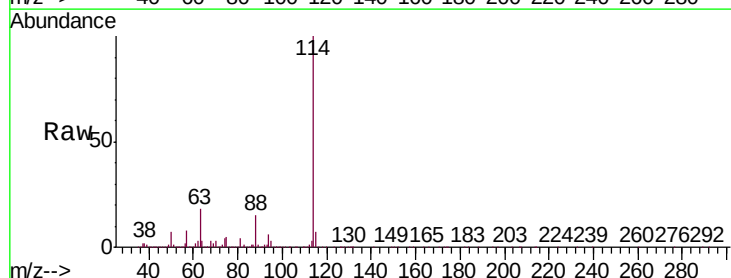
Tgt Ion: 114 Resp: 592529

Ion Ratio Lower Upper

114 100

63 18.0 0.0 37.8

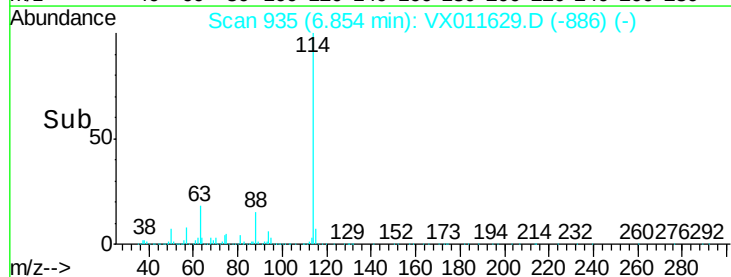
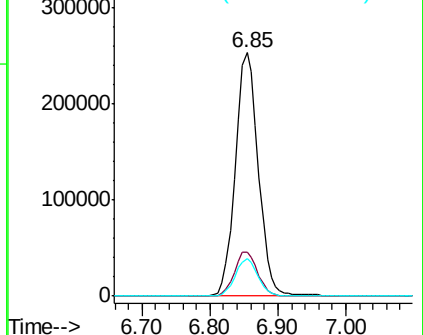
88 15.3 0.0 30.2

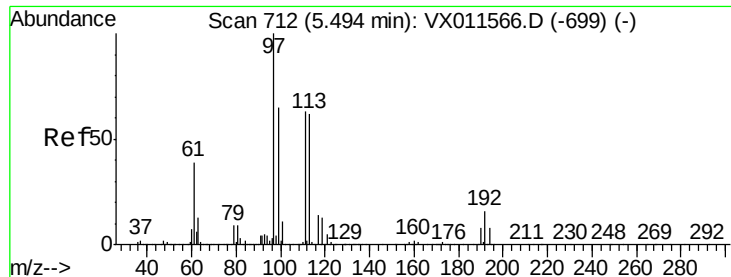


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.272 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011629.D

Acq: 19 Aug 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

PH2-0136

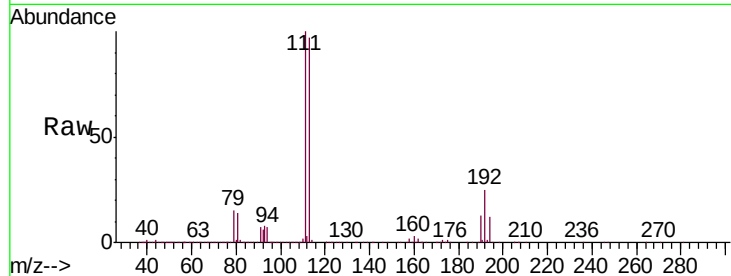
Tgt Ion:113 Resp: 175451

Ion Ratio Lower Upper

113 100

111 102.3 81.1 121.7

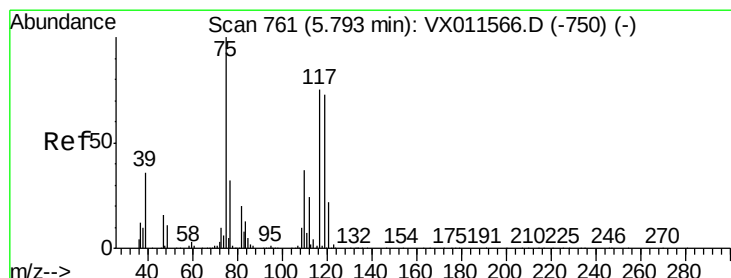
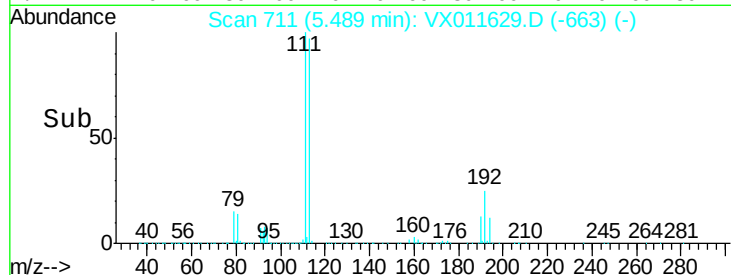
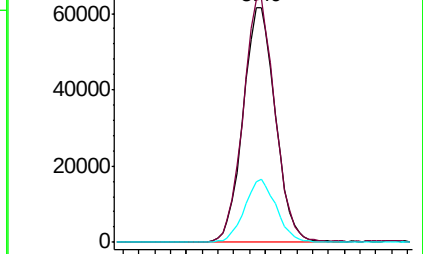
192 26.3 20.8 31.2



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: 5.097 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011629.D

Acq: 19 Aug 2019 14:08

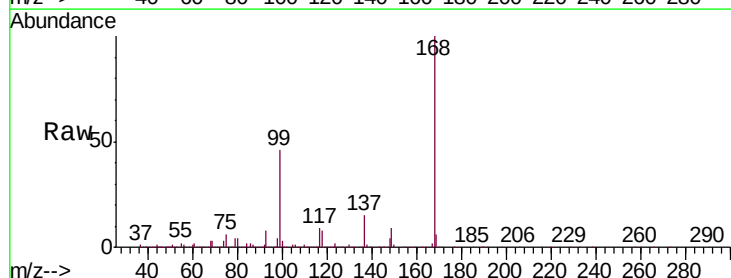
Tgt Ion: 75 Resp: 25821

Ion Ratio Lower Upper

75 100

110 11.9 19.4 58.1#

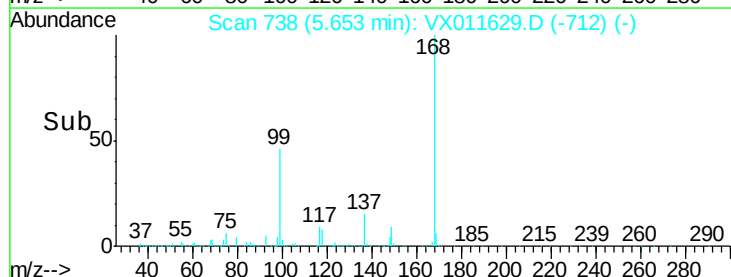
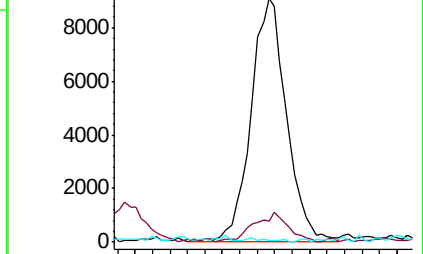
77 0.0 25.1 37.7#

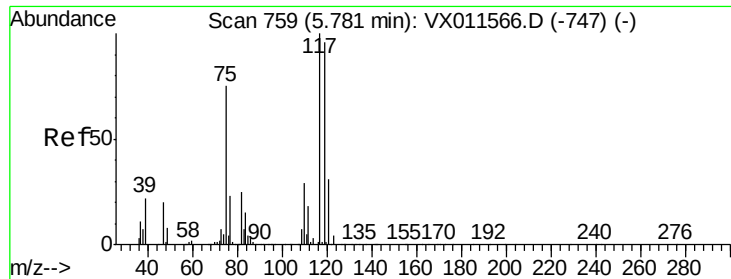


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.628 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011629.D

Acq: 19 Aug 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

PH2-0136

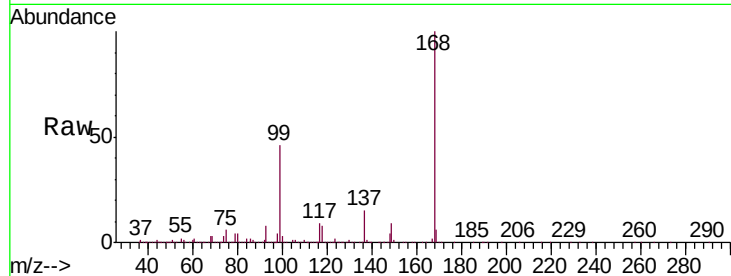
Tgt Ion:117 Resp: 36991

Ion Ratio Lower Upper

117 100

119 4.6 76.9 115.3#

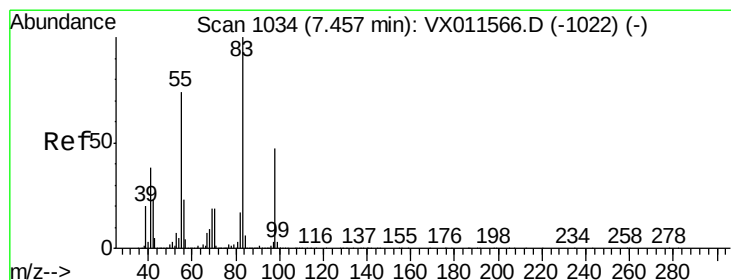
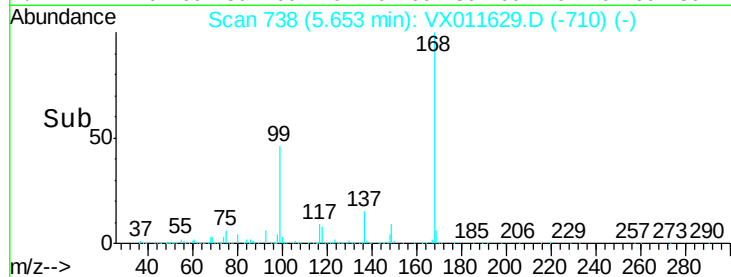
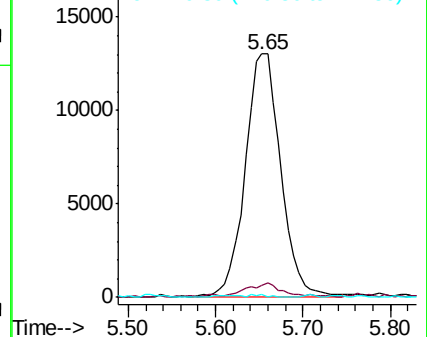
121 1.3 24.8 37.2#



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: 0.522 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX011629.D

Acq: 19 Aug 2019 14:08

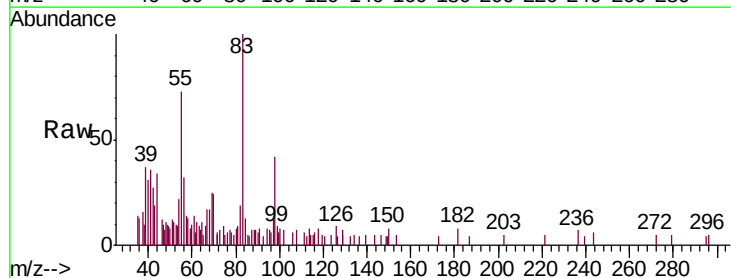
Tgt Ion: 83 Resp: 3268

Ion Ratio Lower Upper

83 100

55 67.2 58.8 88.2

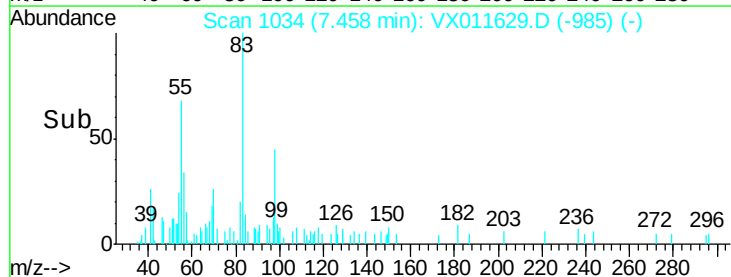
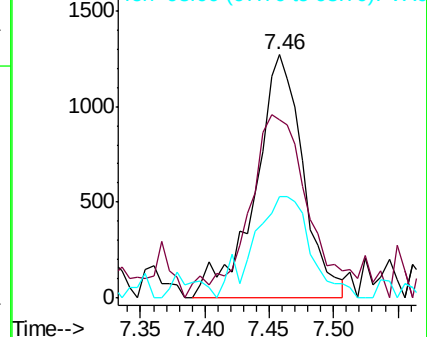
98 35.4 37.8 56.6#

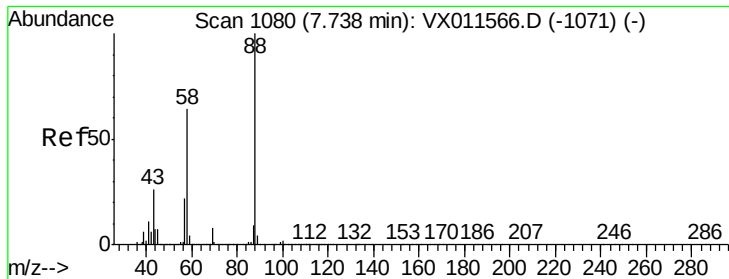


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#49

1,4-Dioxane

Concen: 1.812 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX011629.D

Acq: 19 Aug 2019 14:08

Instrument :

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ClientSampleId :

PH2-0136

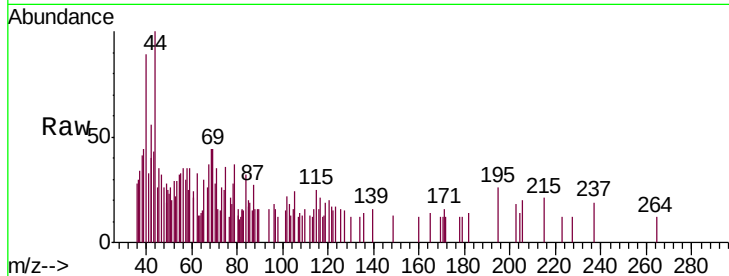
Tgt Ion: 88 Resp: 217

Ion Ratio Lower Upper

88 100

43 105.5 23.4 35.0#

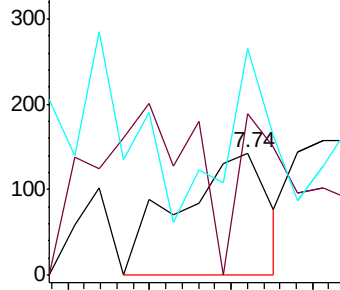
58 98.6 54.3 81.5#



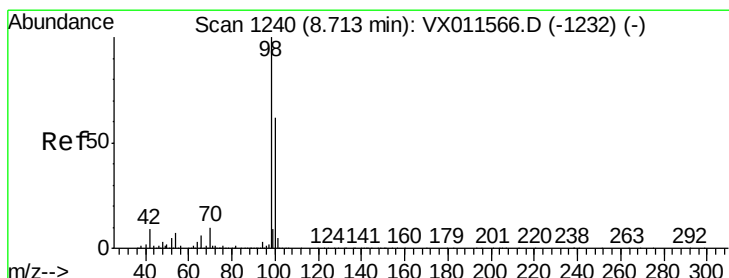
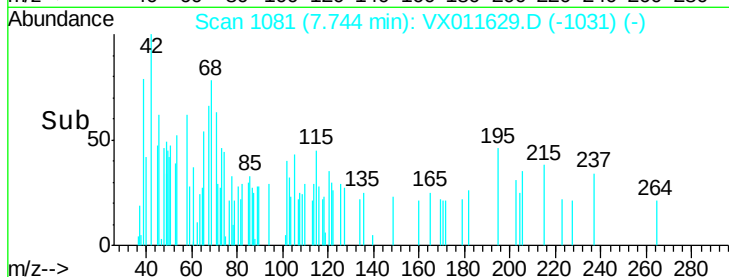
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 53.345 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011629.D

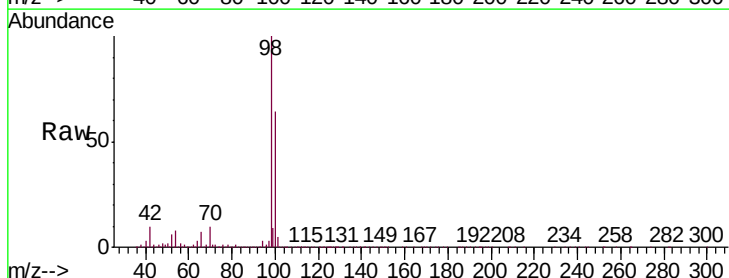
Acq: 19 Aug 2019 14:08

Tgt Ion: 98 Resp: 644174

Ion Ratio Lower Upper

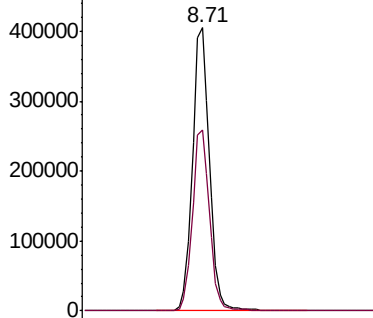
98 100

100 64.4 52.4 78.6

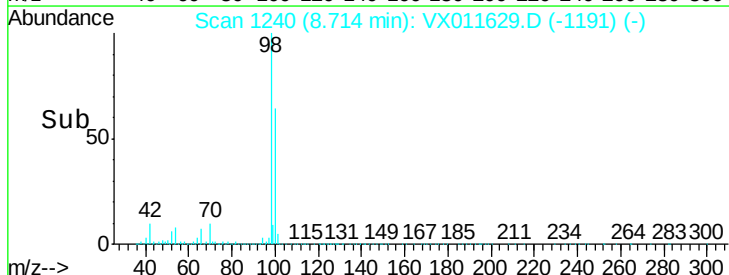


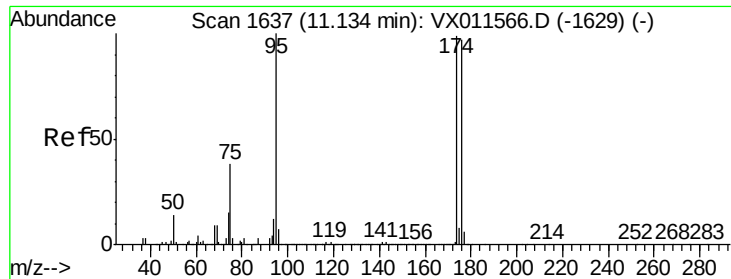
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->





#62

4-Bromofluorobenzene

Concen: 46.595 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011629.D

Acq: 19 Aug 2019 14:08

Instrument :

MSVOA_X

ClientSampled :

PH2-0136

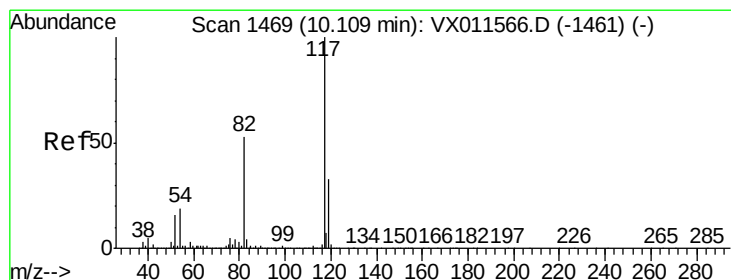
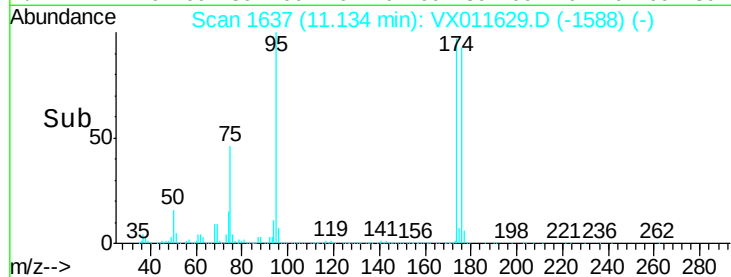
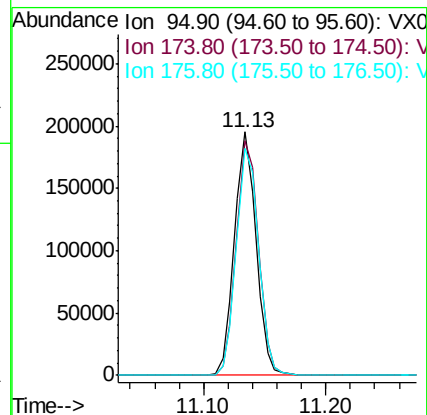
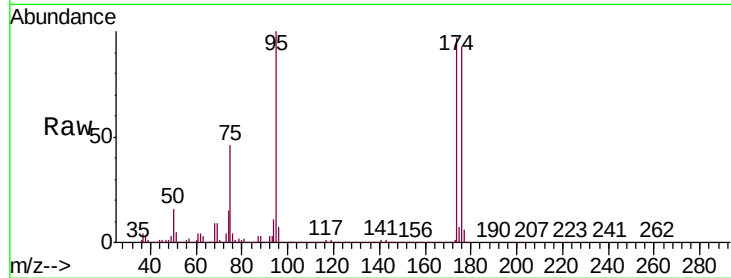
Tgt Ion: 95 Resp: 237493

Ion Ratio Lower Upper

95 100

174 99.5 0.0 200.6

176 96.5 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: VX011629.D

Acq: 19 Aug 2019 14:08

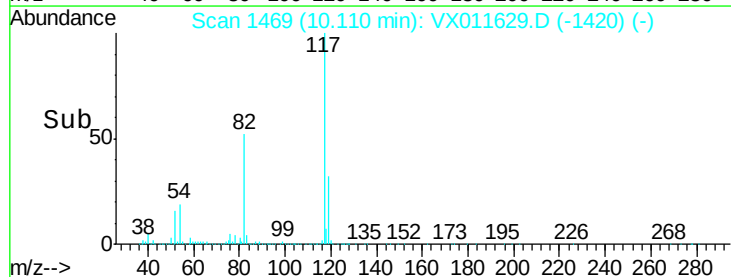
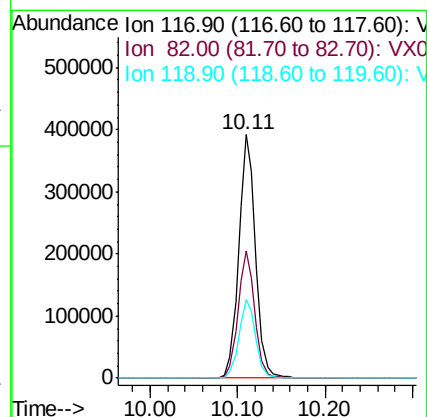
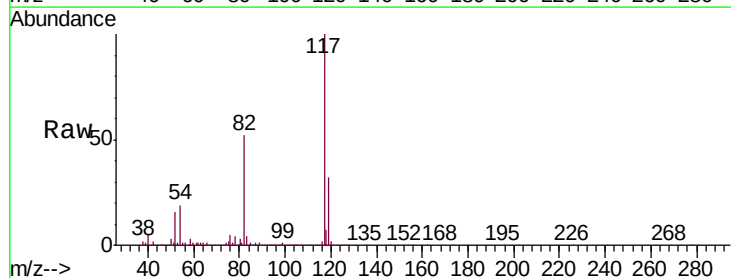
Tgt Ion: 117 Resp: 526135

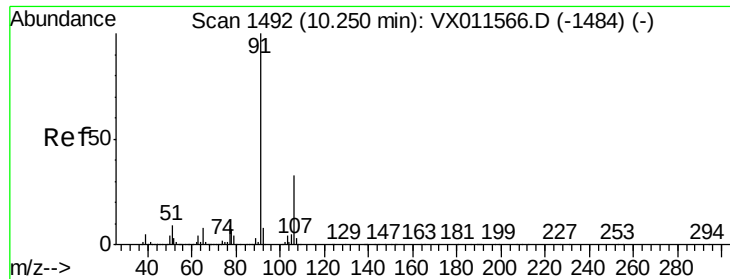
Ion Ratio Lower Upper

117 100

82 52.4 42.0 63.0

119 32.0 26.5 39.7





#67

Ethyl Benzene

Concen: 0.591 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011629.D

Acq: 19 Aug 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

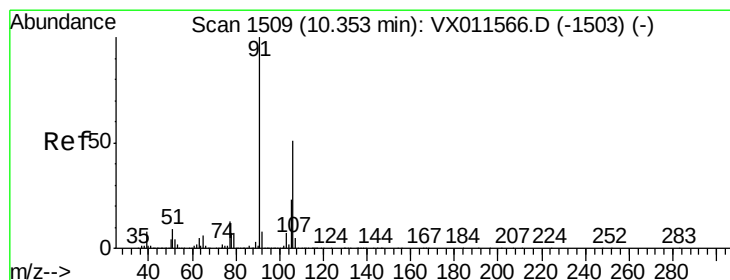
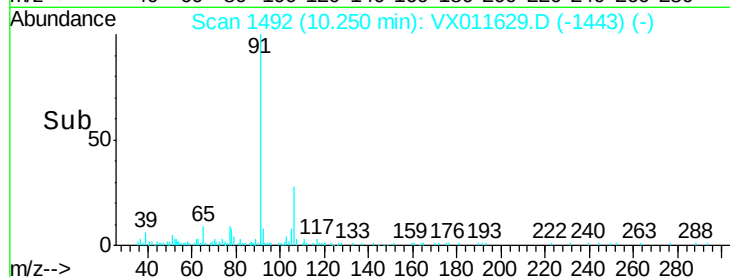
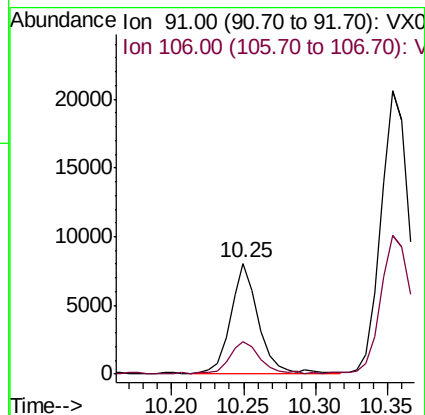
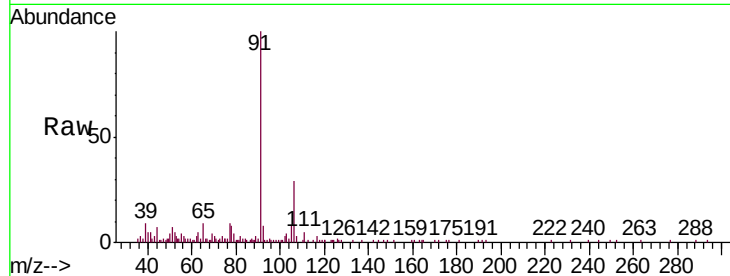
PH2-0136

Tgt Ion: 91 Resp: 11073

Ion Ratio Lower Upper

91 100

106 28.2 26.0 39.0



#68

m/p-Xylenes

Concen: 1.997 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011629.D

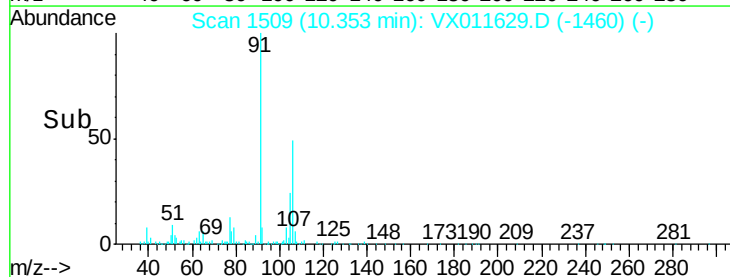
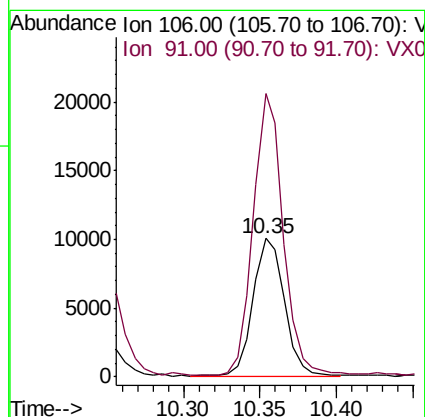
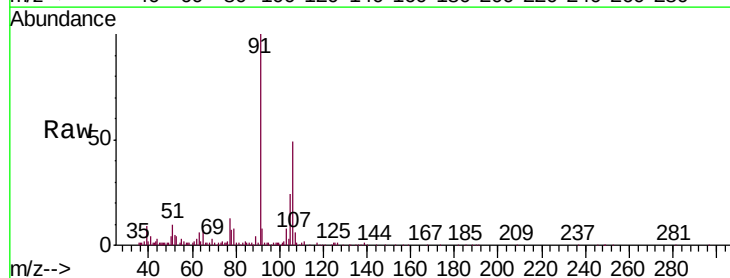
Acq: 19 Aug 2019 14:08

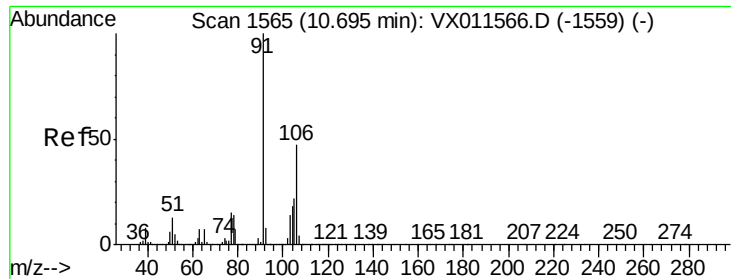
Tgt Ion: 106 Resp: 14359

Ion Ratio Lower Upper

106 100

91 194.8 156.0 234.0

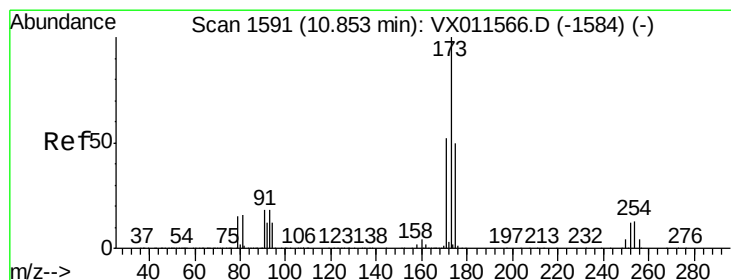
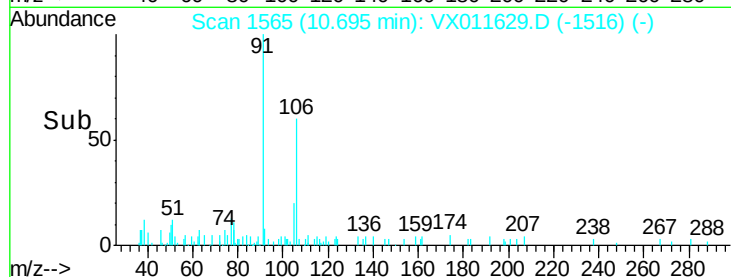
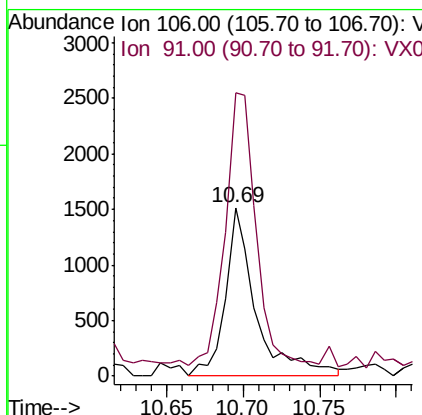
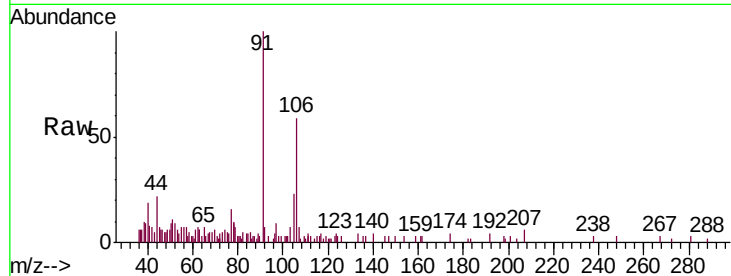




#69
o-Xylene
Concen: 0.300 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011629.D
Acq: 19 Aug 2019 14:08

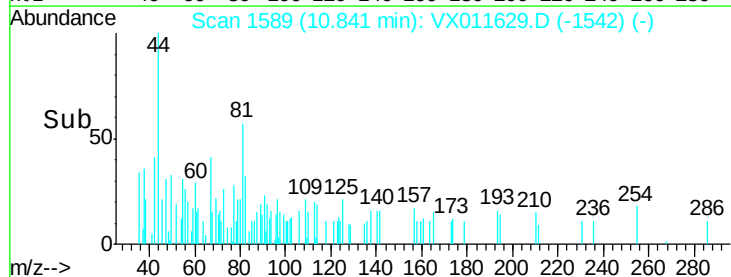
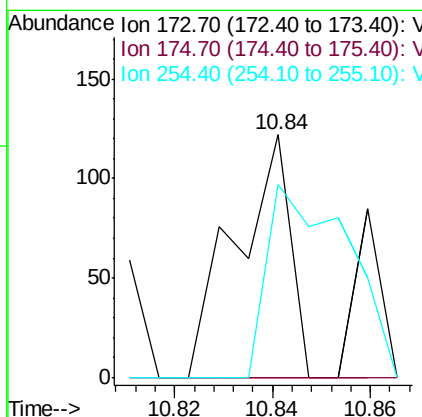
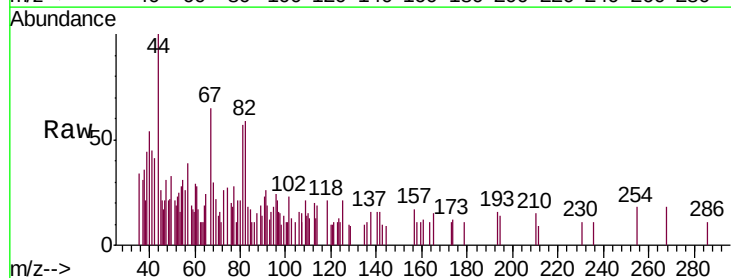
Instrument :
MSVOA_X
ClientSampleId :
PH2-0136

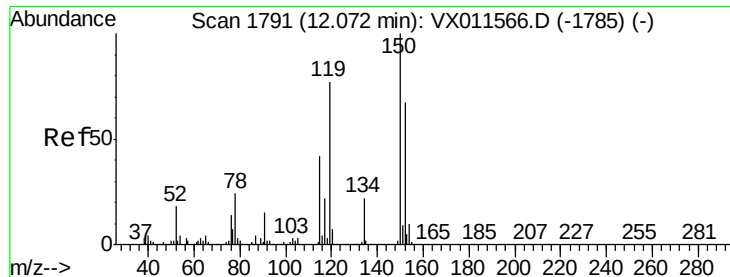
Tgt Ion:106 Resp: 2110
Ion Ratio Lower Upper
106 100
91 158.5 105.5 316.4



#71
Bromoform
Concen: 3.313 ug/l
RT: 10.84 min Scan# 1589
Delta R.T. -0.01 min
Lab File: VX011629.D
Acq: 19 Aug 2019 14:08

Tgt Ion:173 Resp: 94
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 118.1 0.1 0.1#



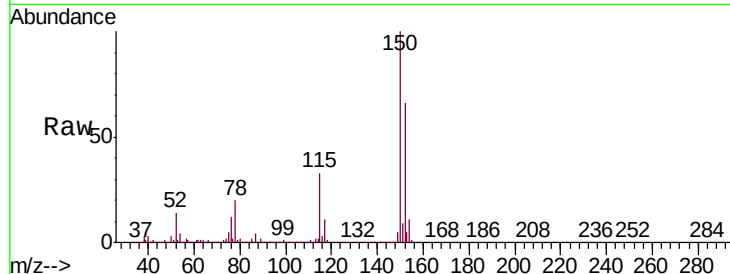


#72

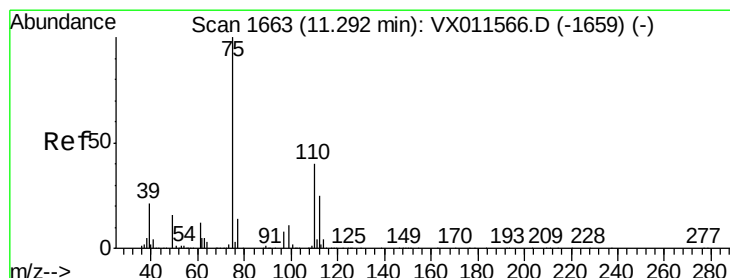
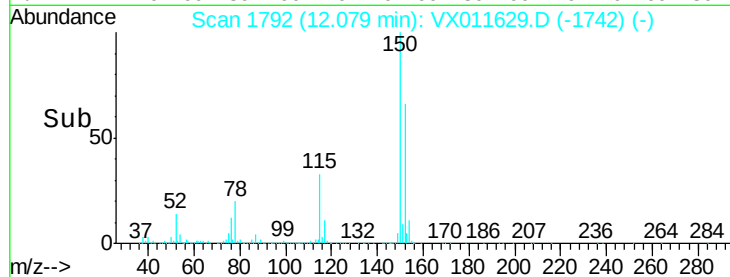
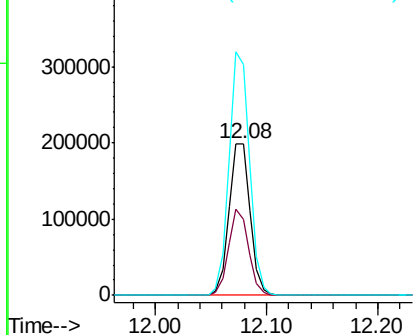
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX011629.D
Acq: 19 Aug 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
PH2-0136

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.3	37.3	111.9
150	155.4	0.0	346.2



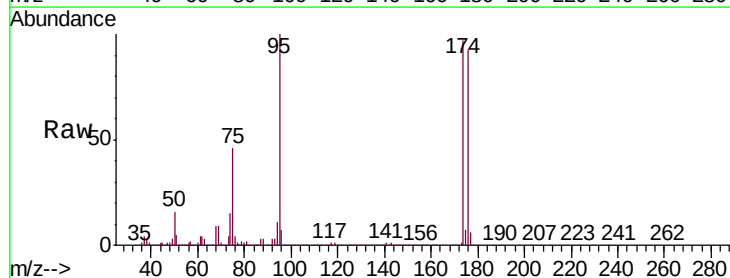
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



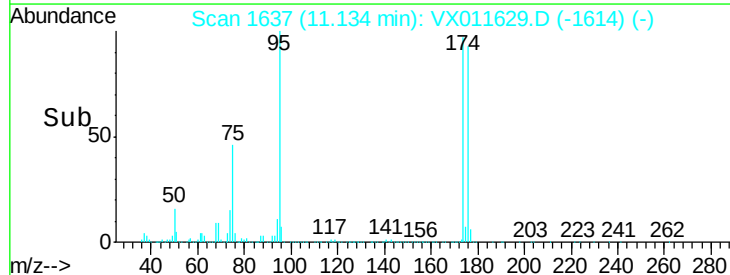
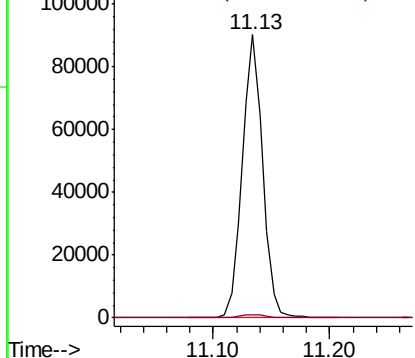
#76

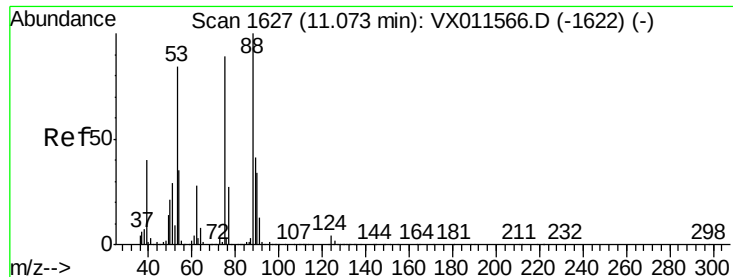
1,2,3-Trichloropropane
Concen: 22.405 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX011629.D
Acq: 19 Aug 2019 14:08

Tgt 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

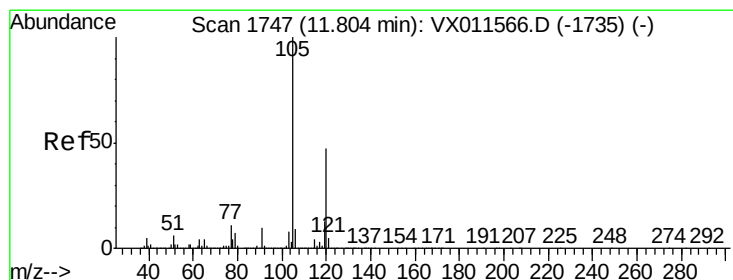
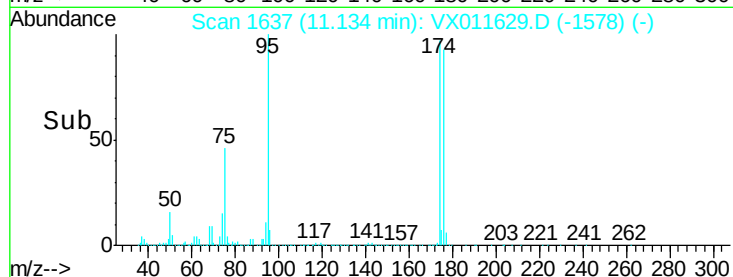
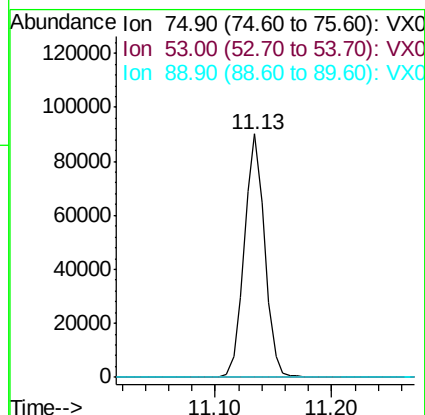
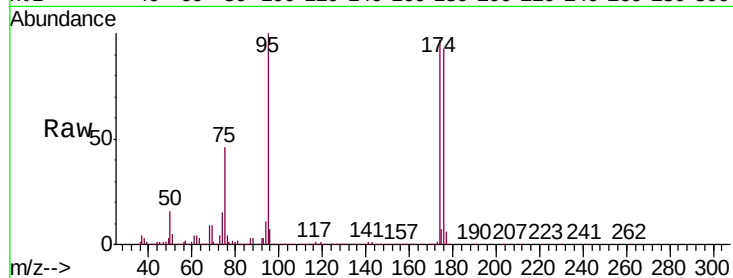




#81
trans-1,4-Dichloro-2-butene
Concen: 59.734 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX011629.D
Acq: 19 Aug 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
PH2-0136

Tgt Ion: 75 Resp: 110682
Ion Ratio Lower Upper
75 100
53 0.3 77.4 116.0#
89 0.0 37.3 55.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.279 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011629.D
Acq: 19 Aug 2019 14:08

Tgt Ion: 105 Resp: 3976
Ion Ratio Lower Upper
105 100
120 57.1 23.3 69.9

