

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX060319\
 Data File : VX010048.D
 Acq On : 03 Jun 2019 19:55
 Operator : JC/SP
 Sample : K3165-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 13911

Quant Time: Jun 04 05:27:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	174804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	284204	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	250099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117339	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	115854	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	
35) Dibromofluoromethane	5.51	113	79286	44.37	ug/l	0.00
Spiked Amount			Recovery	=	88.74%	
50) Toluene-d8	8.72	98	362544	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
62) 4-Bromofluorobenzene	11.13	95	123083	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	

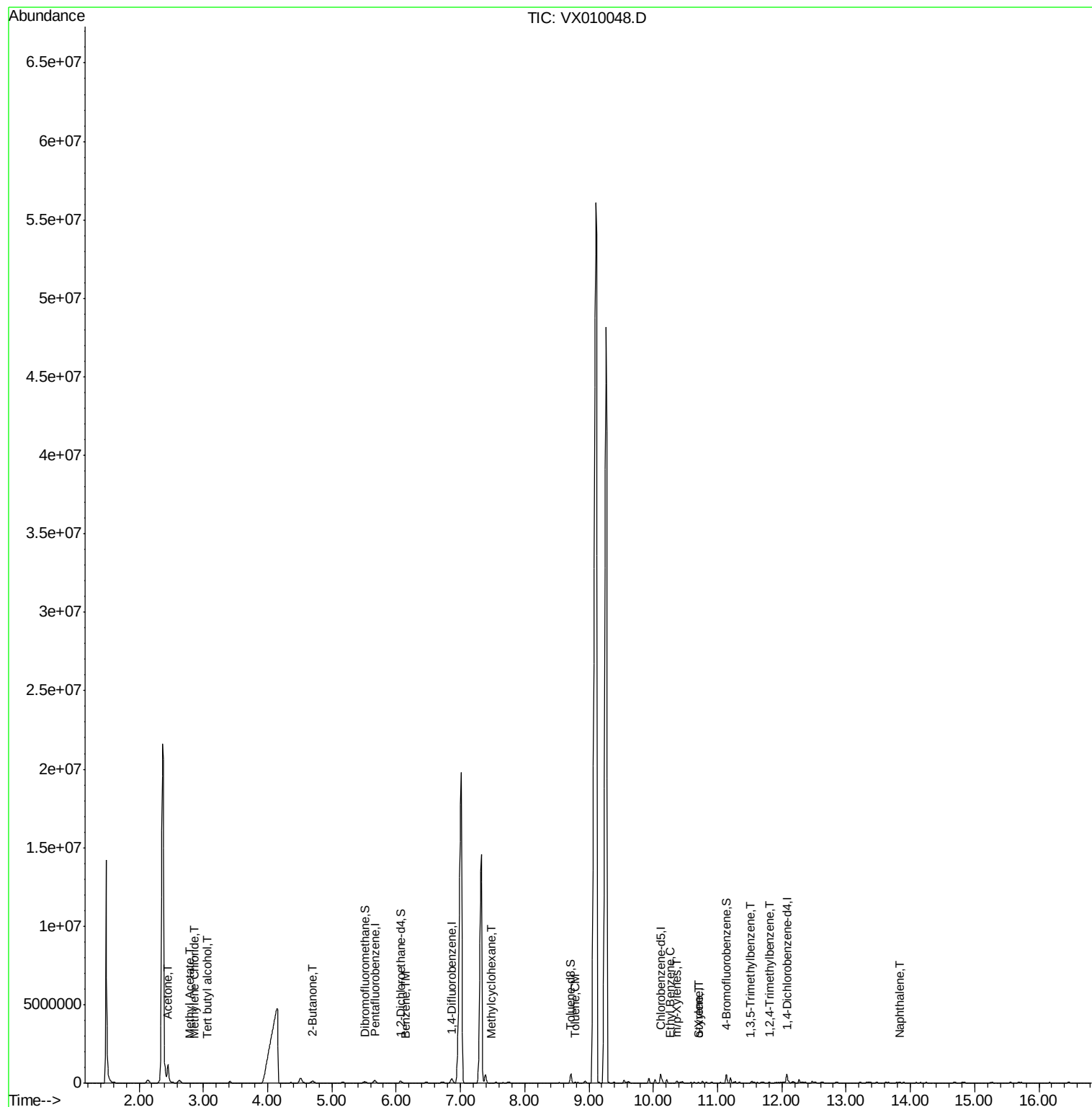
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	21007	34.569	ug/l	98
16) Acetone	2.45	43	1168629	819.125	ug/l #	78
18) Methyl Acetate	2.78	43	9261	2.790	ug/l #	89
20) Methylene Chloride	2.85	84	3981	1.822	ug/l	96
25) 2-Butanone	4.70	43	278226	125.172	ug/l	100
39) Methylcyclohexane	7.47	83	2689	0.786	ug/l #	73
40) Benzene	6.15	78	7697	0.900	ug/l #	85
52) Toluene	8.79	92	19199	3.697	ug/l	96
67) Ethyl Benzene	10.25	91	5367	0.571	ug/l	94
68) m/p-Xylenes	10.35	106	10251	2.952	ug/l	95
69) o-Xylene	10.69	106	4308	1.293	ug/l	98
70) Styrene	10.71	104	2890	0.495	ug/l #	73
80) 1,3,5-Trimethylbenzene	11.51	105	5457	0.748	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	19350	2.612	ug/l	76
95) Naphthalene	13.83	128	20024	2.325	ug/l	98

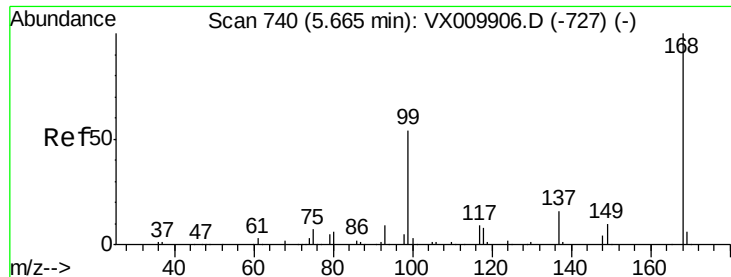
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 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: VX010048.D

Acq: 03 Jun 2019 19:55

Instrument :

MSVOA_X

ClientSampleId :

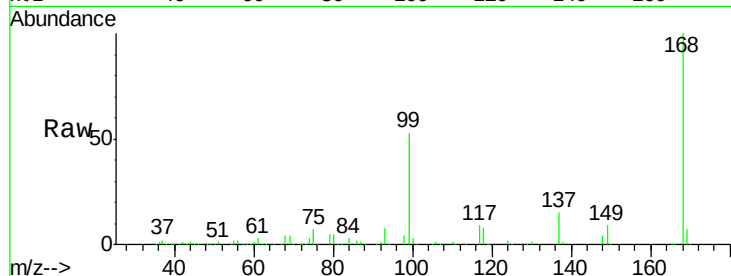
13911

Tot Ion:168 Resp: 174804

Ion Ratio Lower Upper

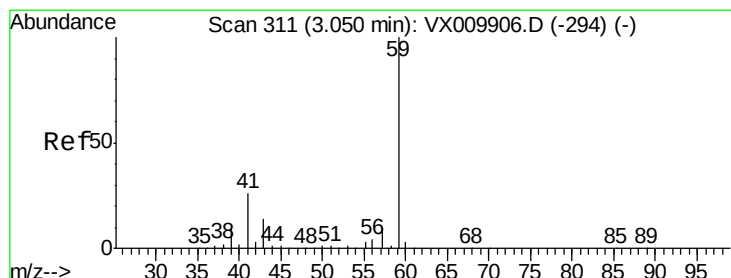
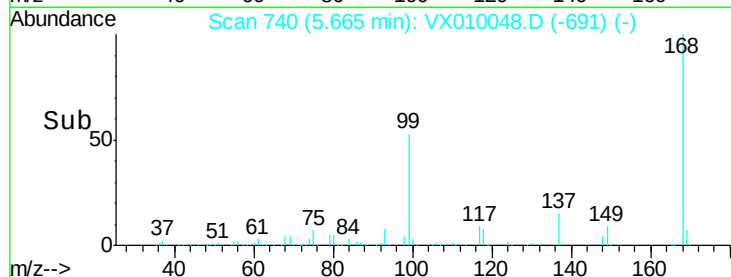
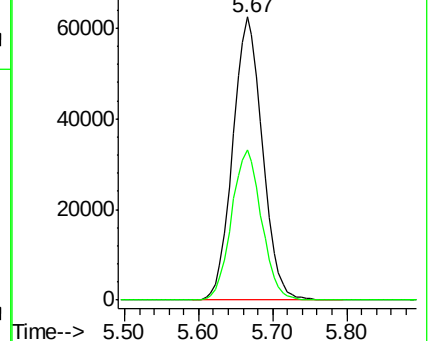
168 100

99 53.0 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 34.569 ug/l

RT: 3.06 min Scan# 313

Delta R.T. 0.01 min

Lab File: VX010048.D

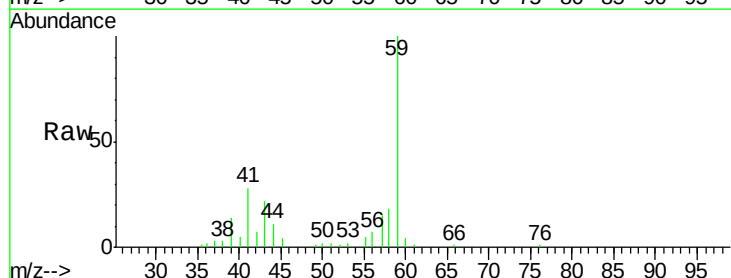
Acq: 03 Jun 2019 19:55

Tgt Ion: 59 Resp: 21007

Ion Ratio Lower Upper

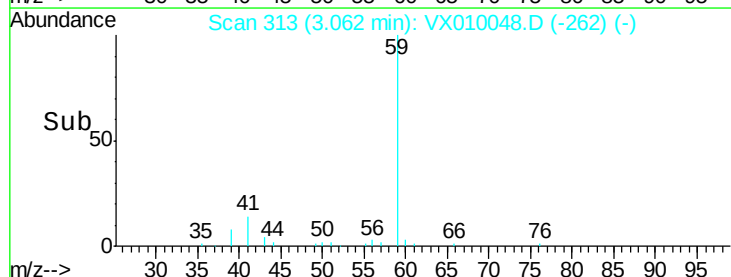
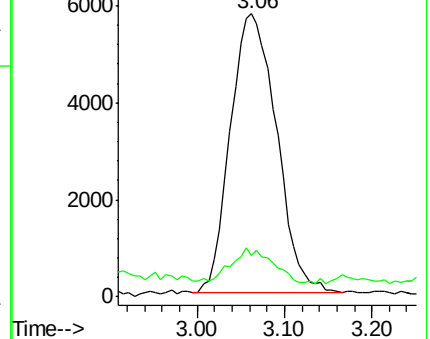
59 100

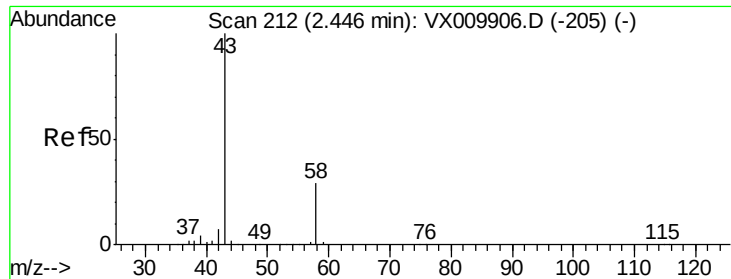
57 10.8 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 819.125 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010048.D

Acq: 03 Jun 2019 19:55

Instrument :

MSVOA_X

ClientSampleId :

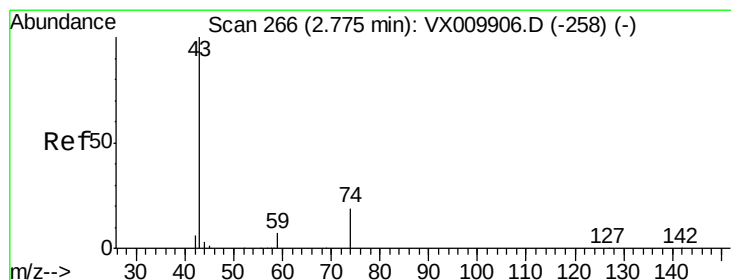
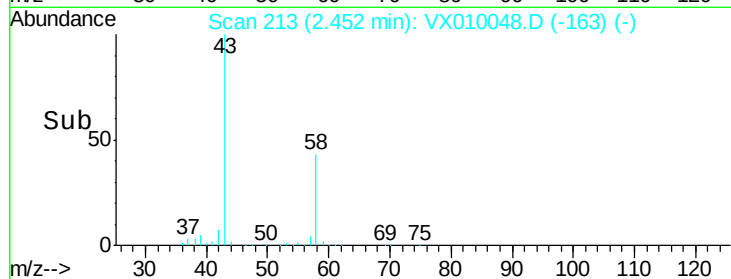
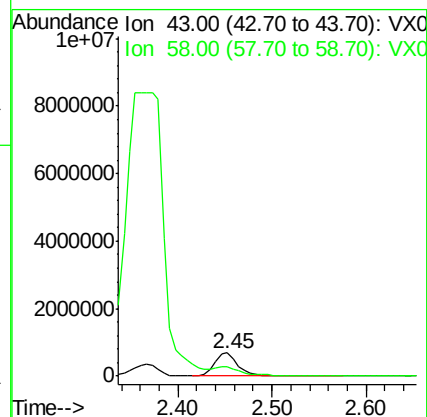
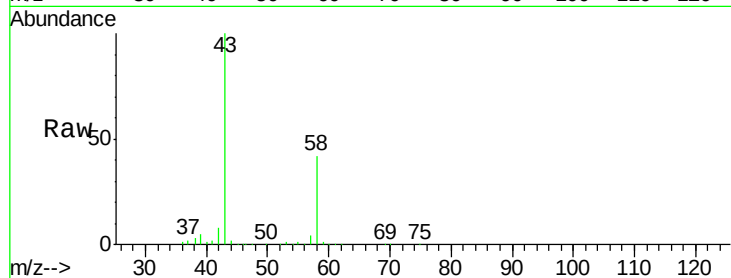
13911

Tot Ion: 43 Resp: 1168629

Ion Ratio Lower Upper

43 100

58 40.9 23.2 34.8#



#18

Methyl Acetate

Concen: 2.790 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX010048.D

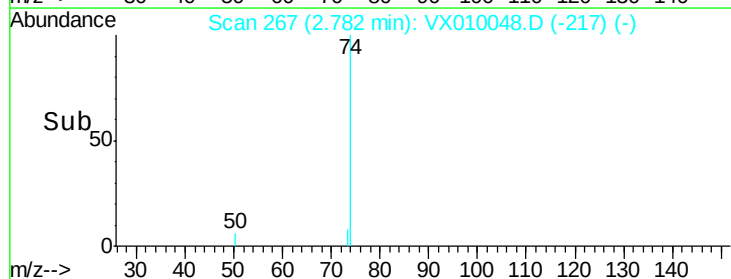
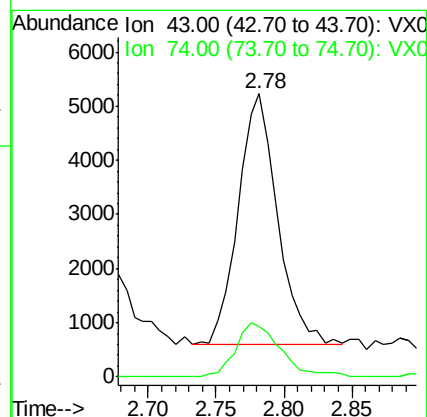
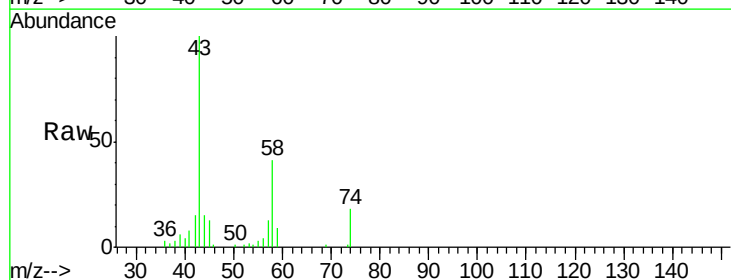
Acq: 03 Jun 2019 19:55

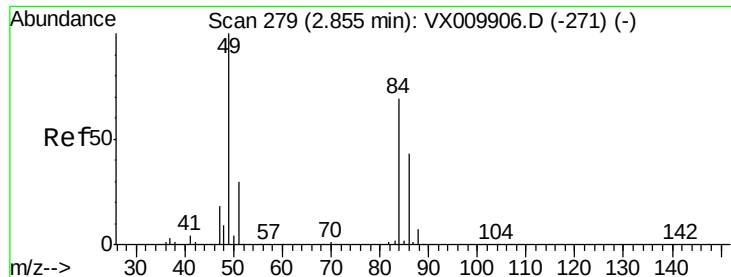
Tgt Ion: 43 Resp: 9261

Ion Ratio Lower Upper

43 100

74 24.7 15.8 23.6#

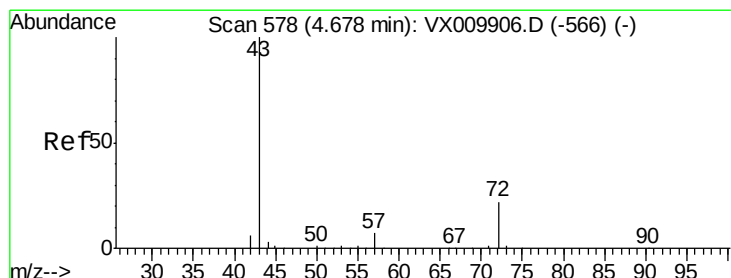
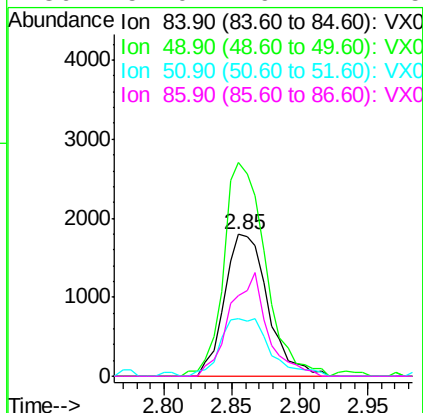
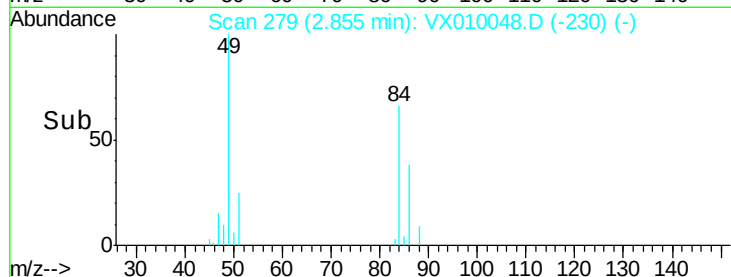
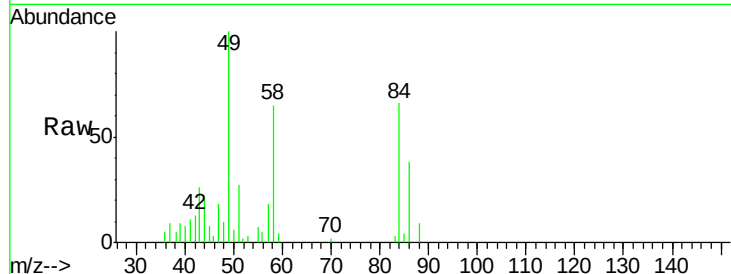




#20
Methylene Chloride
Concen: 1.822 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010048.D
Acq: 03 Jun 2019 19:55

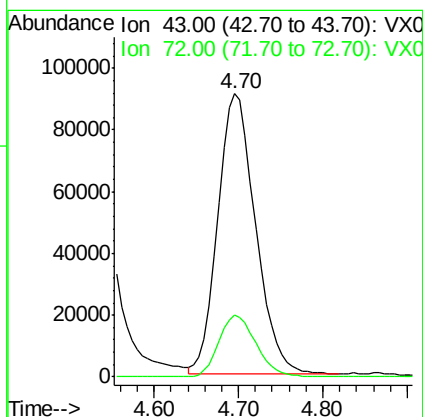
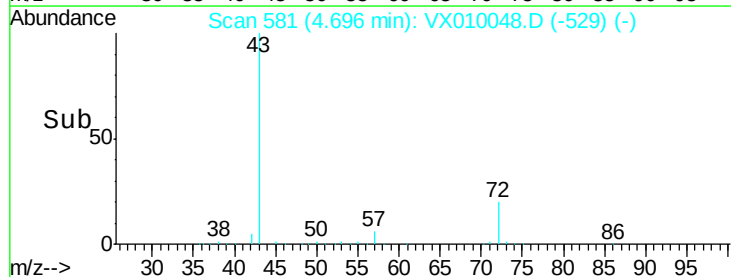
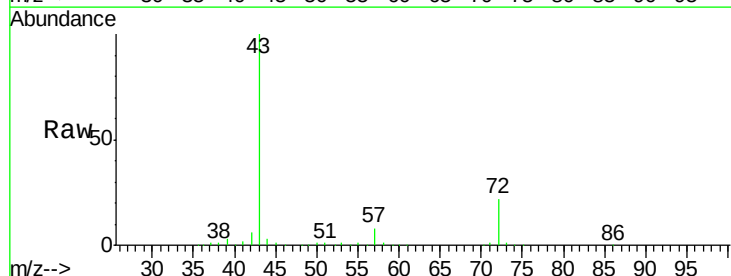
Instrument :
MSVOA_X
ClientSampled :
13911

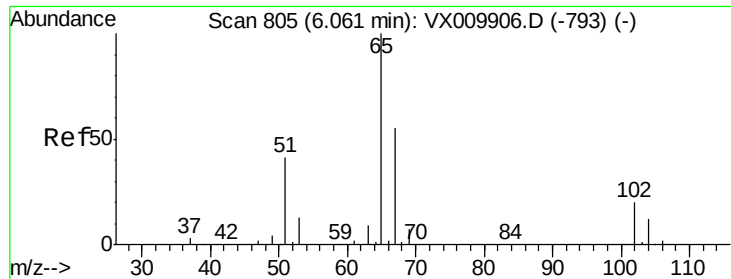
Tot Ion:	84	Resp:	3981
Ion	Ratio	Lower	Upper
84	100		
49	147.6	115.8	173.6
51	40.7	34.4	51.6
86	57.0	49.7	74.5



#25
2-Butanone
Concen: 125.172 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.02 min
Lab File: VX010048.D
Acq: 03 Jun 2019 19:55

Tgt Ion:	43	Resp:	278226
Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.5	26.3

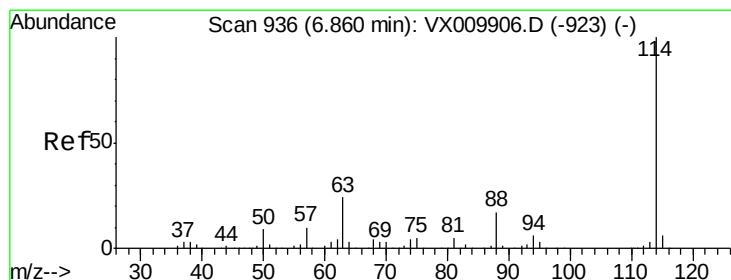
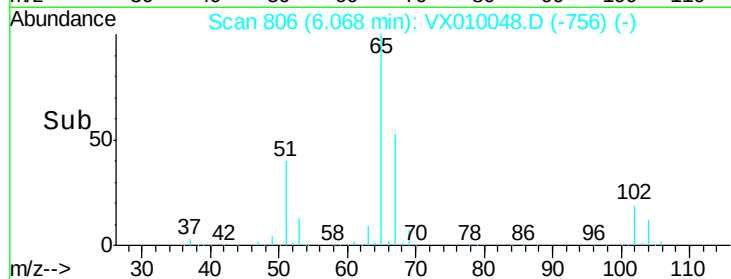
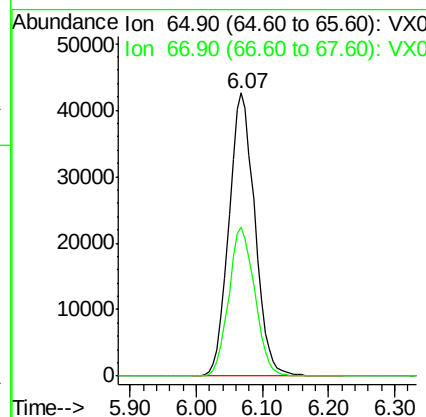
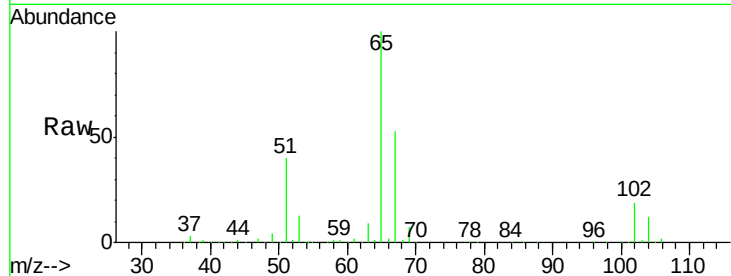




#33
 1,2-Dichloroethane-d4
 Concen: 46.919 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX010048.D
 Acq: 03 Jun 2019 19:55

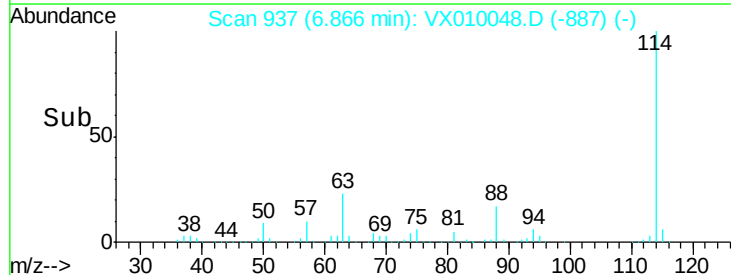
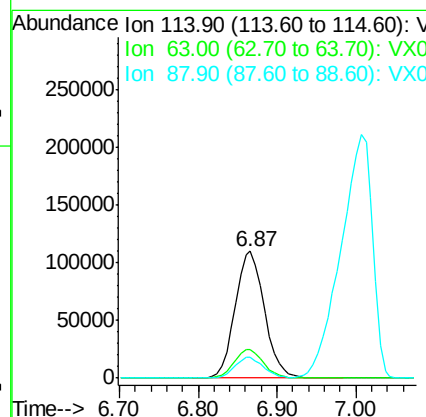
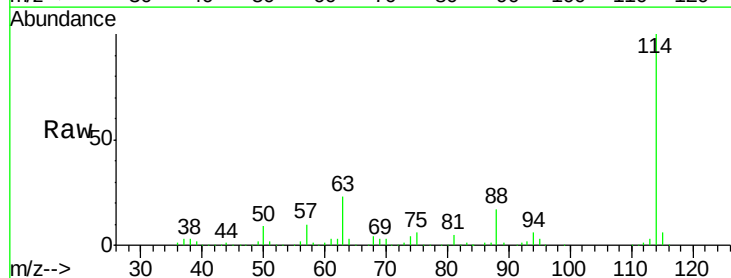
Instrument :
 MSVOA_X
 ClientSampleId :
 13911

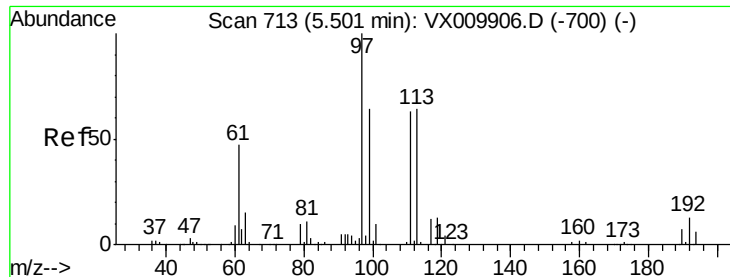
Tot Ion: 65 Resp: 115854
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX010048.D
 Acq: 03 Jun 2019 19:55

Tgt Ion: 114 Resp: 284204
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.4
 88 16.8 0.0 33.0

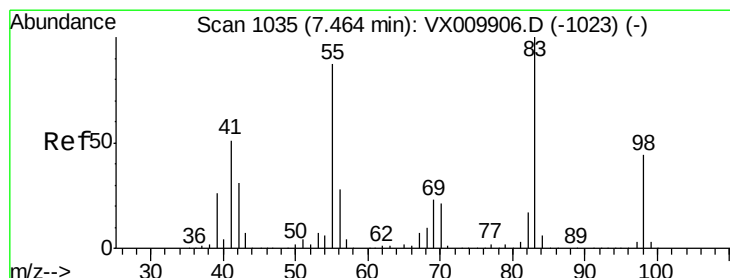
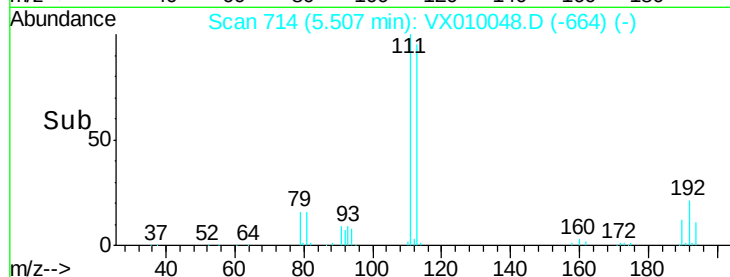
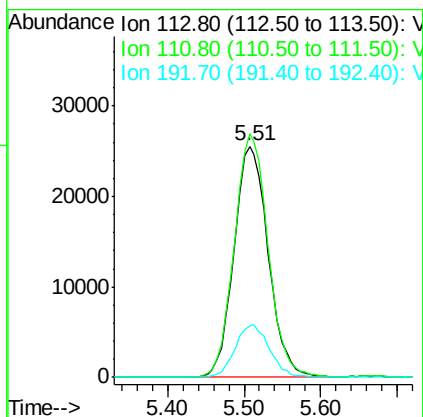
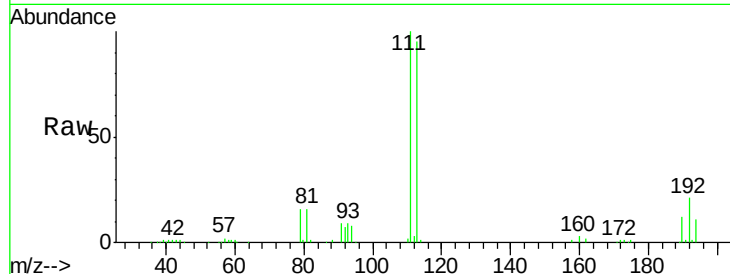




#35
Dibromofluoromethane
Concen: 44.373 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX010048.D
Acq: 03 Jun 2019 19:55

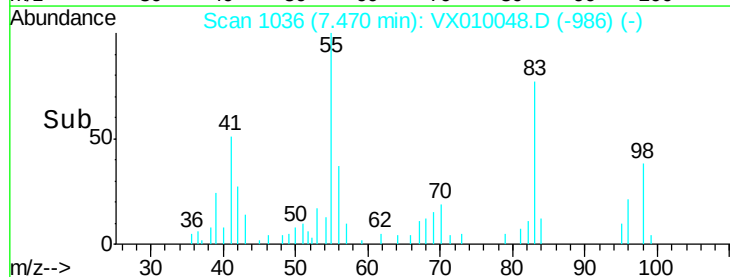
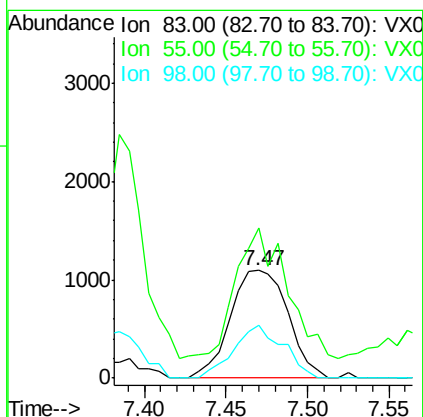
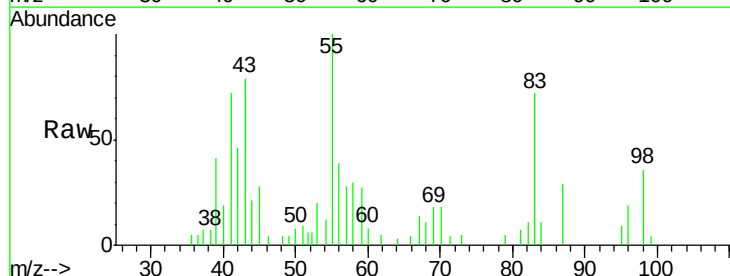
Instrument :
MSVOA_X
ClientSampled :
13911

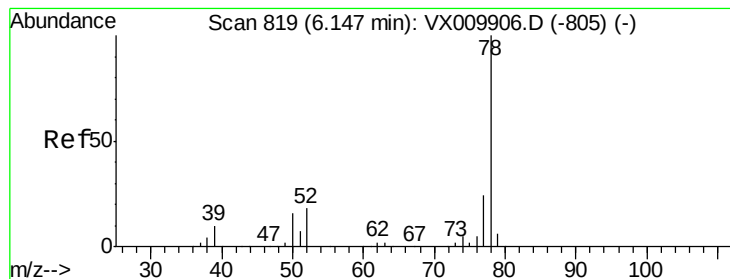
Tot Ion:113 Resp: 79286
Ion Ratio Lower Upper
113 100
111 104.1 82.2 123.2
192 22.9 17.1 25.7



#39
Methylcyclohexane
Concen: 0.786 ug/l
RT: 7.47 min Scan# 1036
Delta R.T. 0.01 min
Lab File: VX010048.D
Acq: 03 Jun 2019 19:55

Tgt Ion: 83 Resp: 2689
Ion Ratio Lower Upper
83 100
55 120.7 69.9 104.9#
98 49.6 35.1 52.7





#40

Benzene

Concen: 0.900 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX010048.D

Acq: 03 Jun 2019 19:55

Instrument :

MSVOA_X

ClientSampleId :

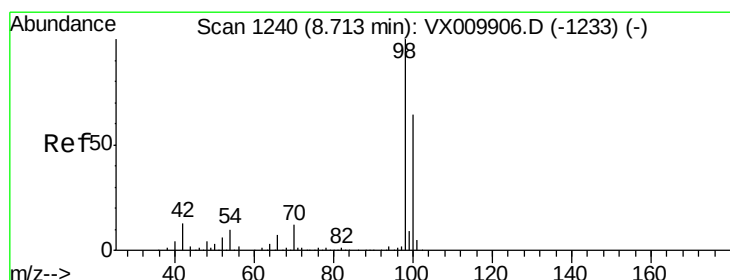
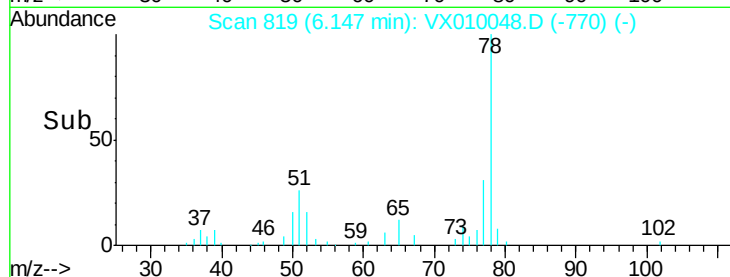
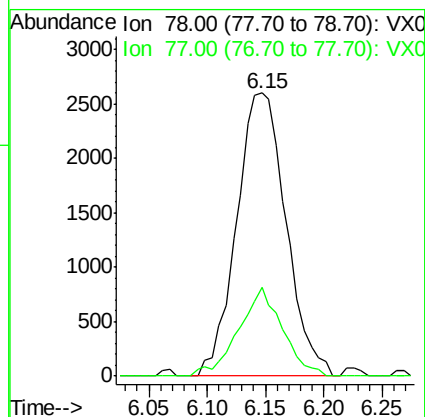
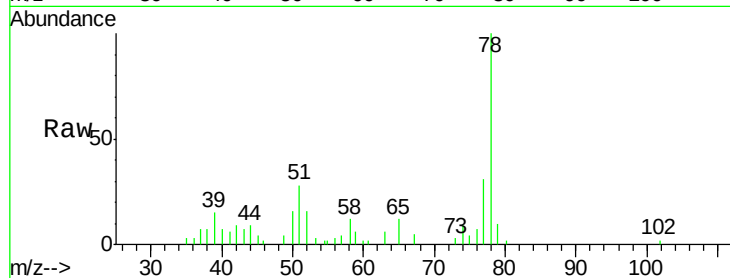
13911

Tot Ion: 78 Resp: 7697

Ion Ratio Lower Upper

78 100

77 31.2 19.2 28.8#



#50

Toluene-d8

Concen: 49.966 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX010048.D

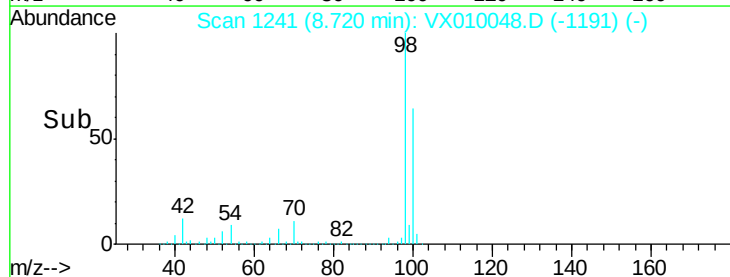
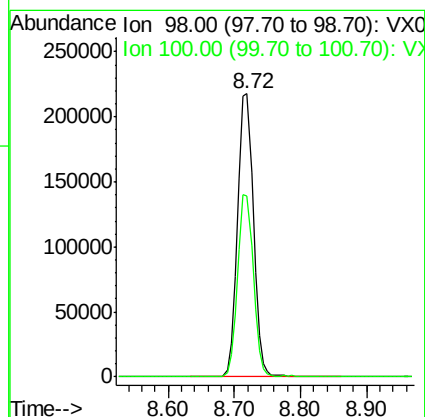
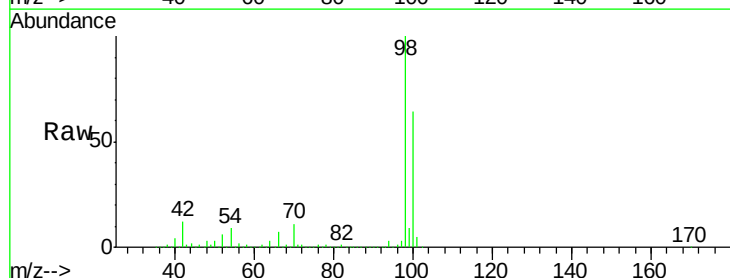
Acq: 03 Jun 2019 19:55

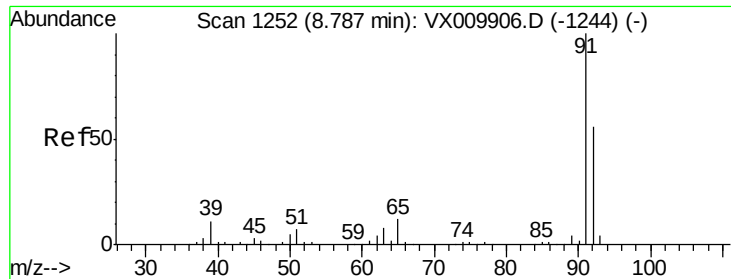
Tgt Ion: 98 Resp: 362544

Ion Ratio Lower Upper

98 100

100 63.4 51.5 77.3





#52

Toluene

Concen: 3.697 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010048.D

Acq: 03 Jun 2019 19:55

Instrument :

MSVOA_X

ClientSampleId :

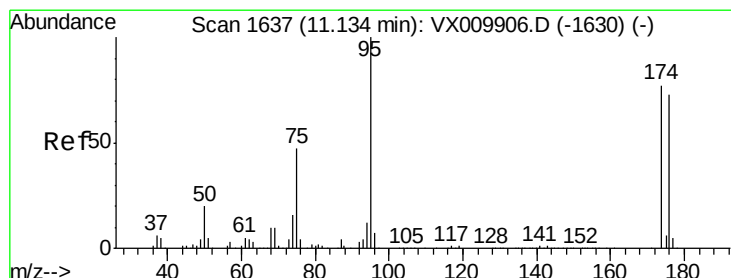
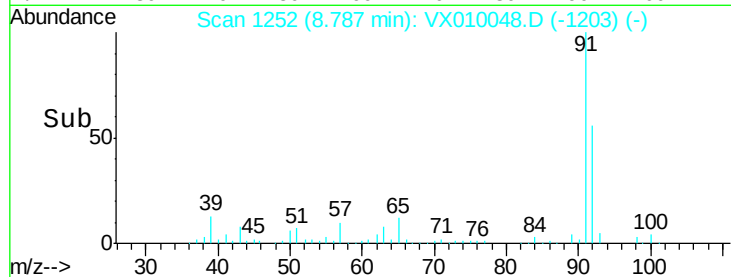
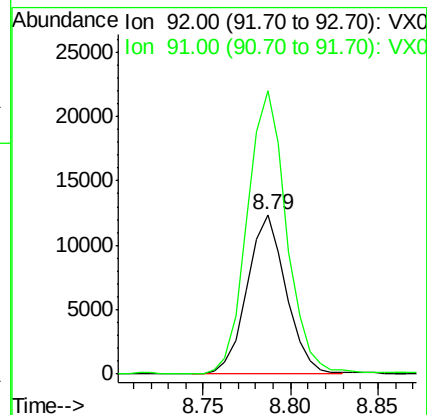
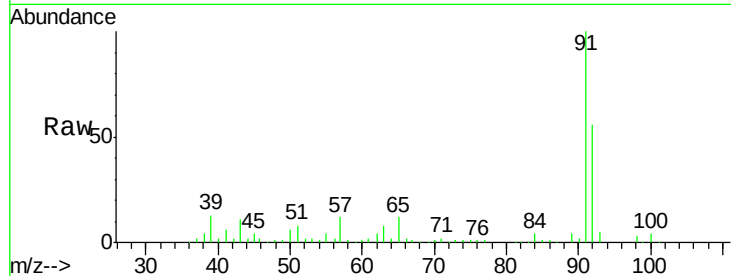
13911

Tot Ion: 92 Resp: 19199

Ion Ratio Lower Upper

92 100

91 180.4 139.9 209.9



#62

4-Bromofluorobenzene

Concen: 47.228 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010048.D

Acq: 03 Jun 2019 19:55

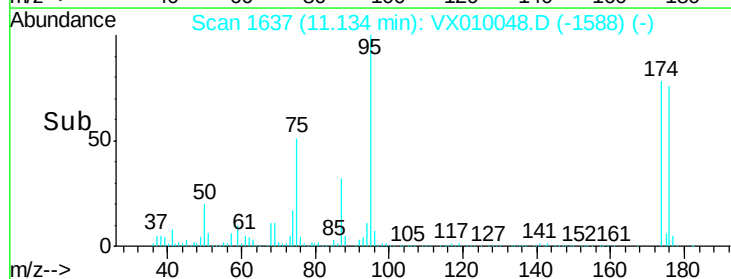
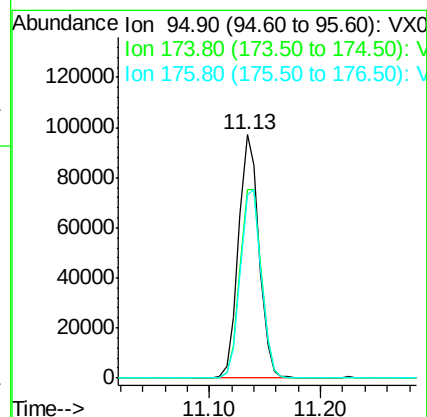
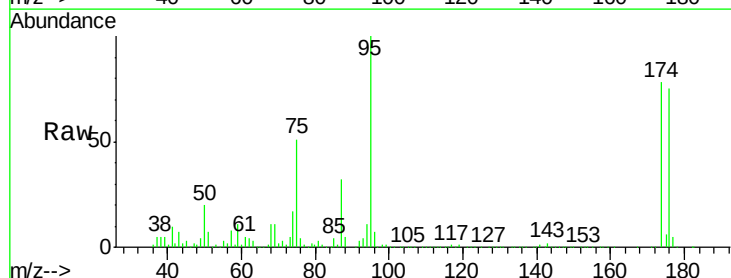
Tgt Ion: 95 Resp: 123083

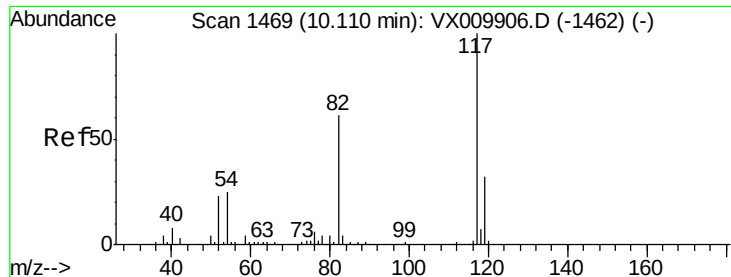
Ion Ratio Lower Upper

95 100

174 82.2 0.0 160.4

176 80.0 0.0 154.6

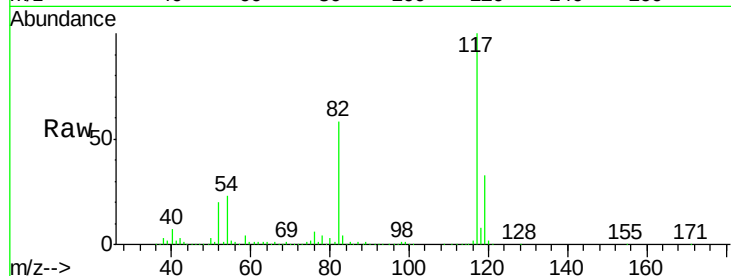




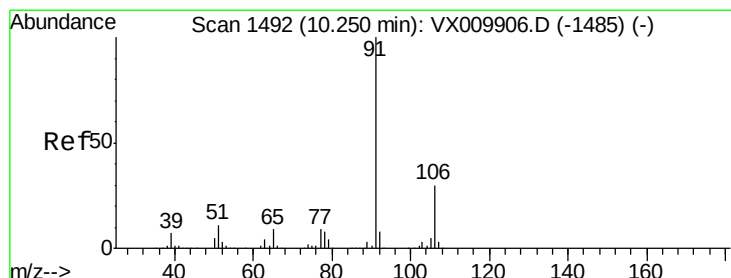
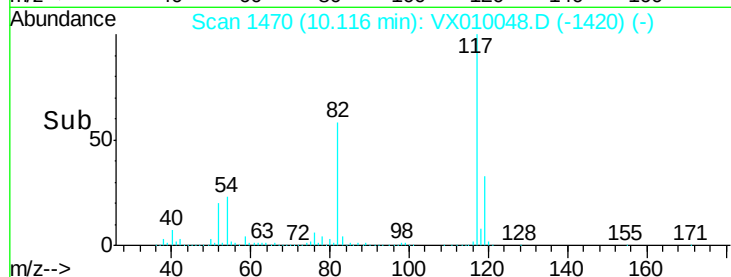
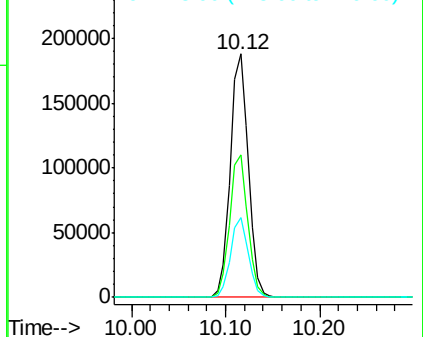
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX010048.D
Acq: 03 Jun 2019 19:55

Instrument :
MSVOA_X
ClientSampled :
13911

Tot Ion:117 Resp: 250099
Ion Ratio Lower Upper
117 100
82 58.4 49.2 73.8
119 33.0 25.2 37.8

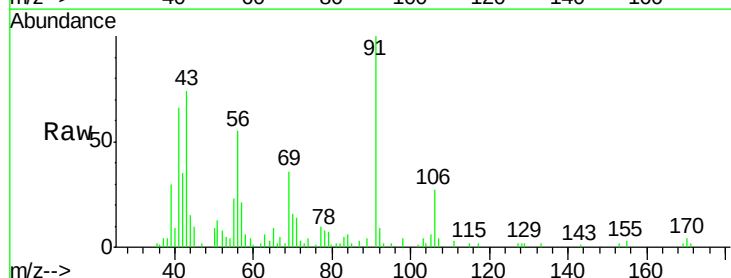


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

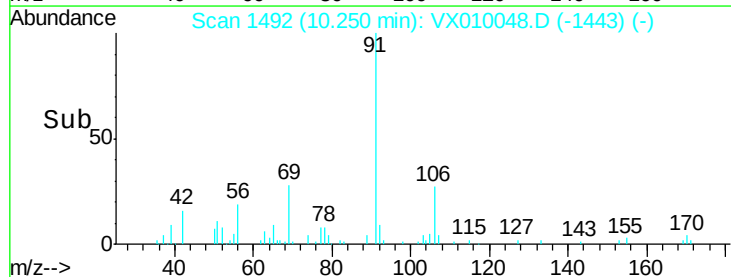
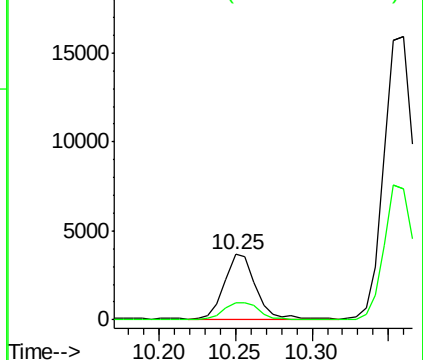


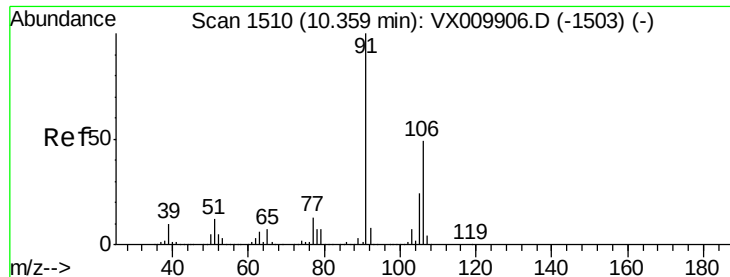
#67
Ethyl Benzene
Concen: 0.571 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010048.D
Acq: 03 Jun 2019 19:55

Tgt Ion: 91 Resp: 5367
Ion Ratio Lower Upper
91 100
106 26.6 23.9 35.9



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

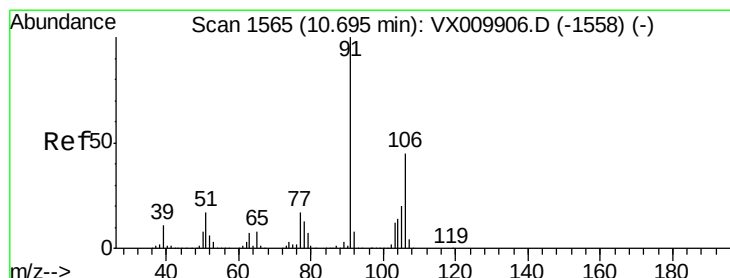
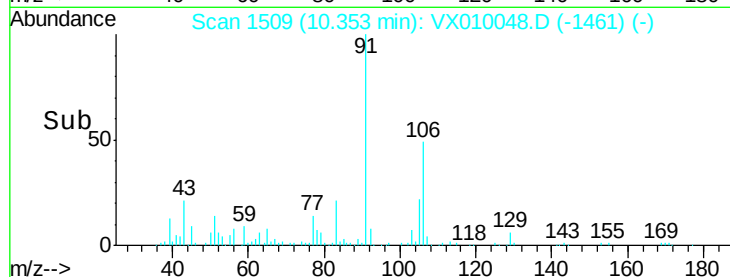
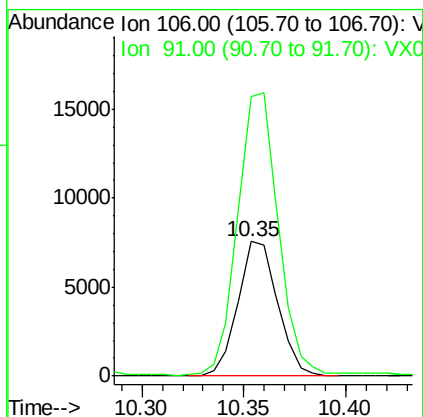
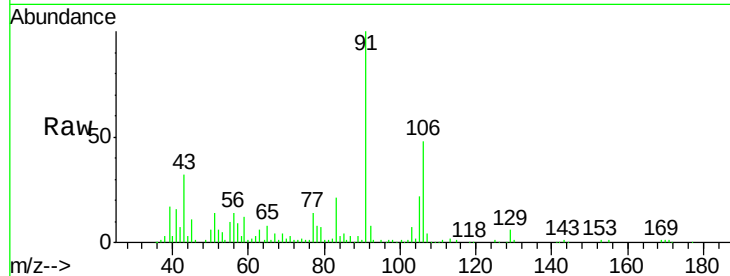




#68
m/p-Xylenes
Concen: 2.952 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010048.D
Acq: 03 Jun 2019 19:55

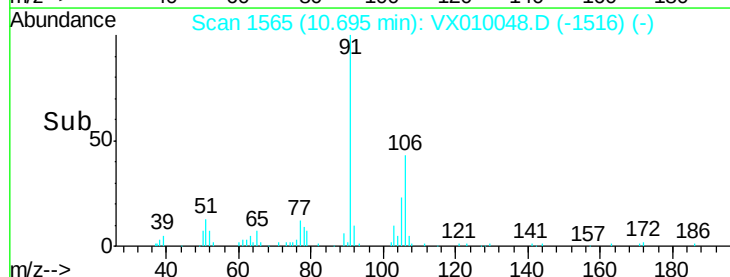
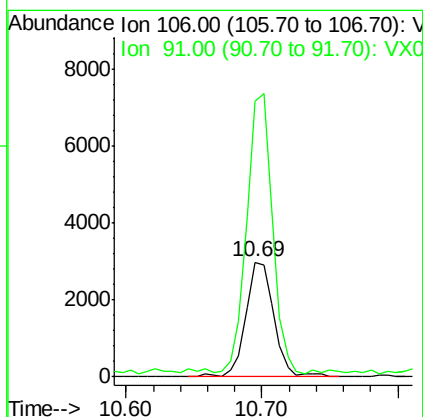
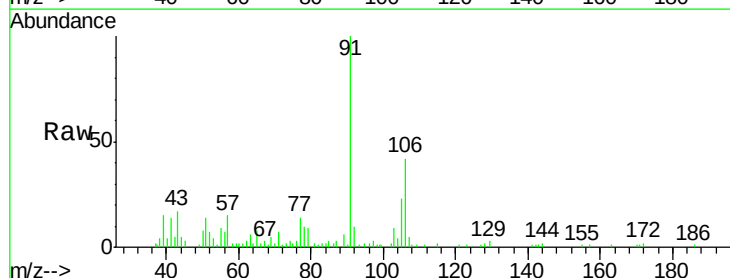
Instrument :
MSVOA_X
ClientSampled :
13911

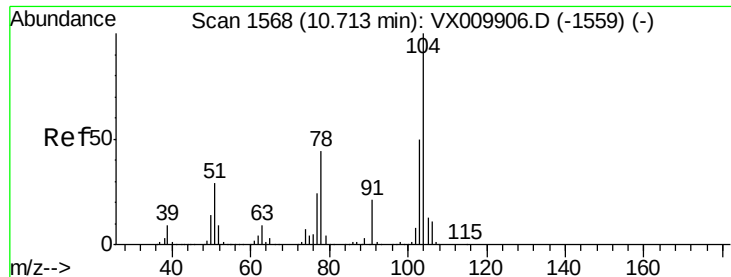
Tot Ion:106 Resp: 10251
Ion Ratio Lower Upper
106 100
91 217.3 167.3 250.9



#69
o-Xylene
Concen: 1.293 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010048.D
Acq: 03 Jun 2019 19:55

Tgt Ion:106 Resp: 4308
Ion Ratio Lower Upper
106 100
91 224.1 110.4 331.2

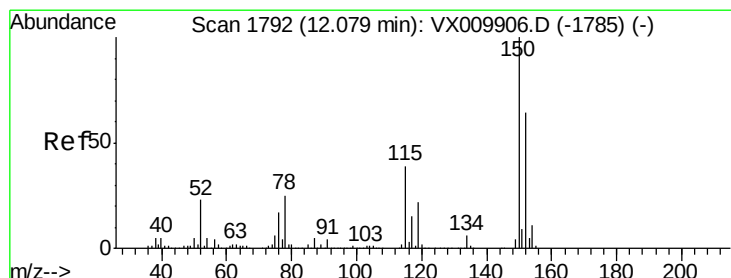
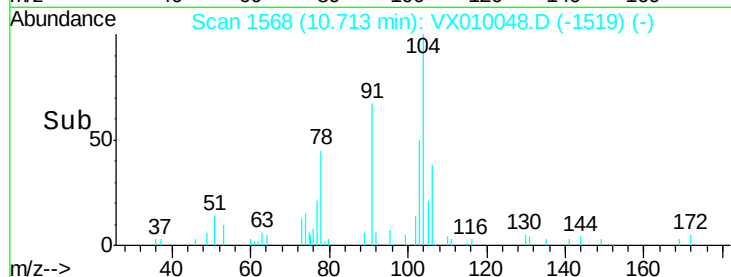
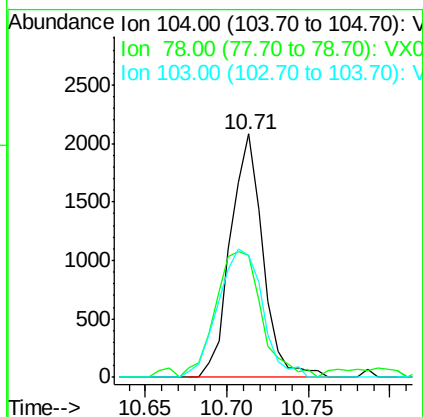
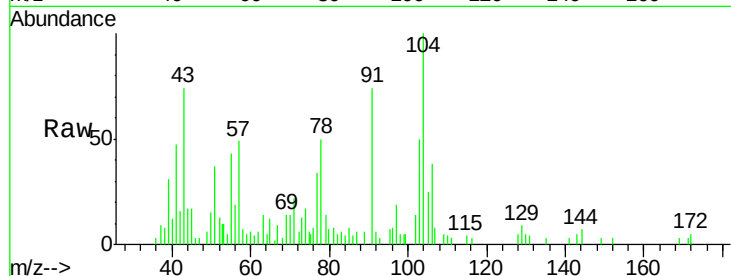




#70
Stvrene
Concen: 0.495 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010048.D
Acq: 03 Jun 2019 19:55

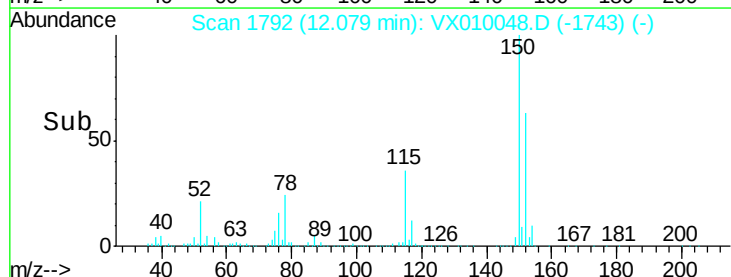
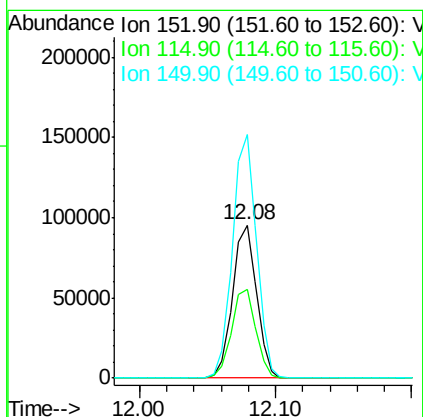
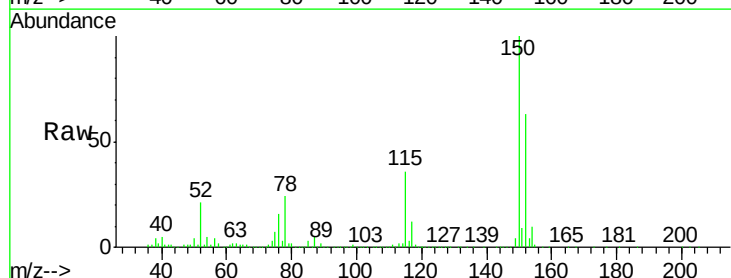
Instrument :
MSVOA_X
ClientSampled :
13911

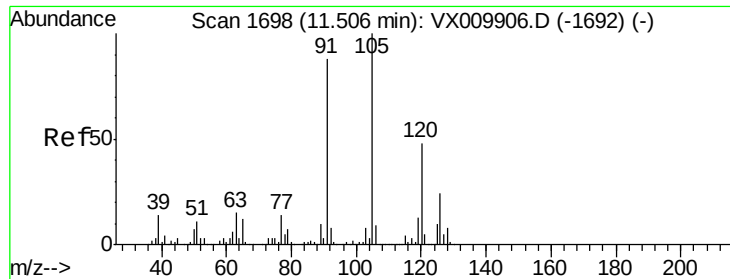
Tot Ion:104 Resp: 2890
Ion Ratio Lower Upper
104 100
78 73.4 42.1 63.1#
103 72.7 44.1 66.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010048.D
Acq: 03 Jun 2019 19:55

Tgt Ion:152 Resp: 117339
Ion Ratio Lower Upper
152 100
115 58.5 41.4 124.2
150 158.7 0.0 345.2





#80

1,3,5-Trimethylbenzene

Concen: 0.748 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010048.D

Acq: 03 Jun 2019 19:55

Instrument :

MSVOA_X

ClientSampled :

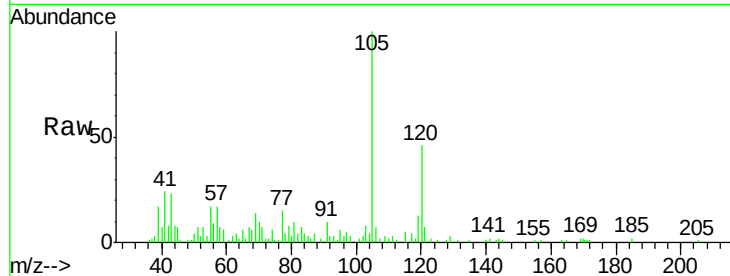
13911

Tot Ion:105 Resp: 5457

Ion Ratio Lower Upper

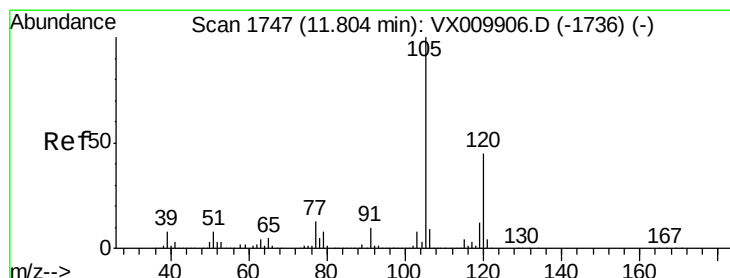
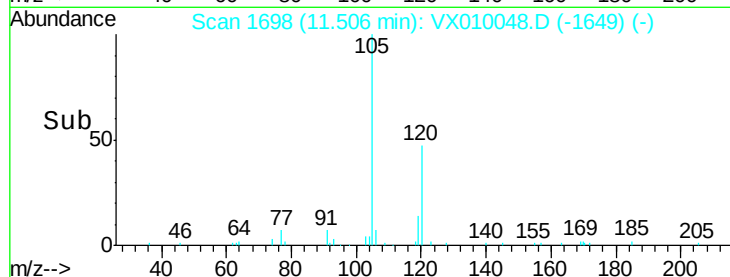
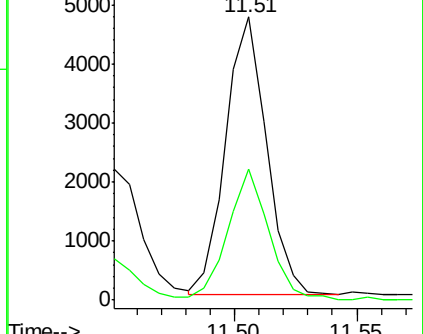
105 100

120 47.9 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 2.612 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010048.D

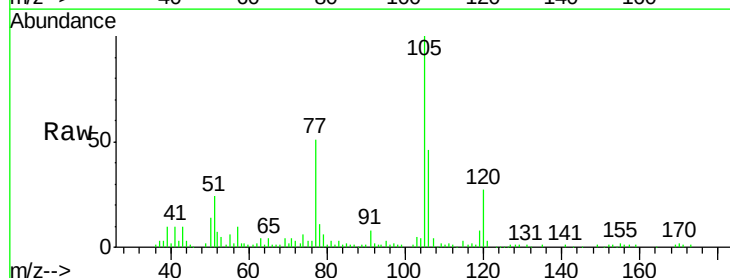
Acq: 03 Jun 2019 19:55

Tgt Ion:105 Resp: 19350

Ion Ratio Lower Upper

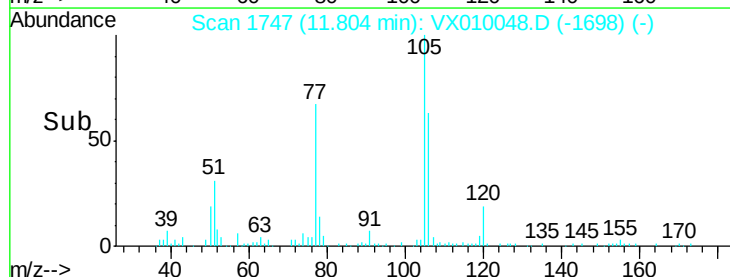
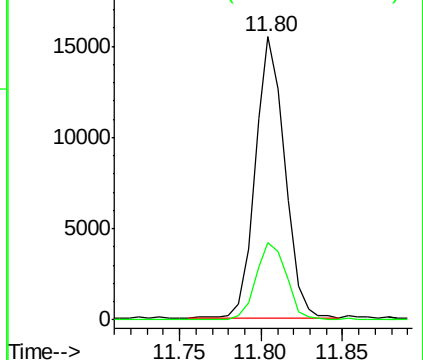
105 100

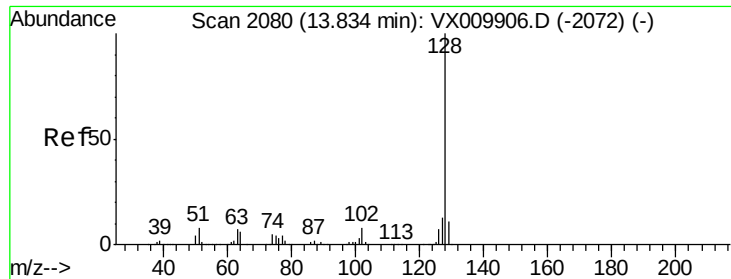
120 28.3 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

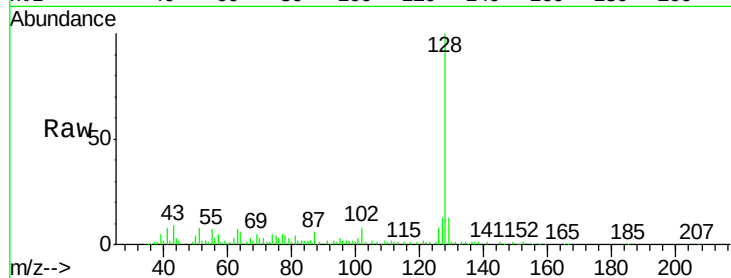




#95
Naphthalene
Concen: 2.325 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010048.D
Acq: 03 Jun 2019 19:55

Instrument :
MSVOA_X
ClientSampleId :
13911

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.6	16.0
129	11.9	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

