

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081919\
 Data File : VX011632.D
 Acq On : 19 Aug 2019 15:19
 Operator : JC/SP
 Sample : K4351-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0138

Quant Time: Aug 20 10:58:36 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	455250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	612570	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	545627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	291133	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	202976	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
35) Dibromofluoromethane	5.49	113	180278	45.00	ug/l	0.00
Spiked Amount			Recovery	=	90.00%	
50) Toluene-d8	8.71	98	646428	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
62) 4-Bromofluorobenzene	11.13	95	249696	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	

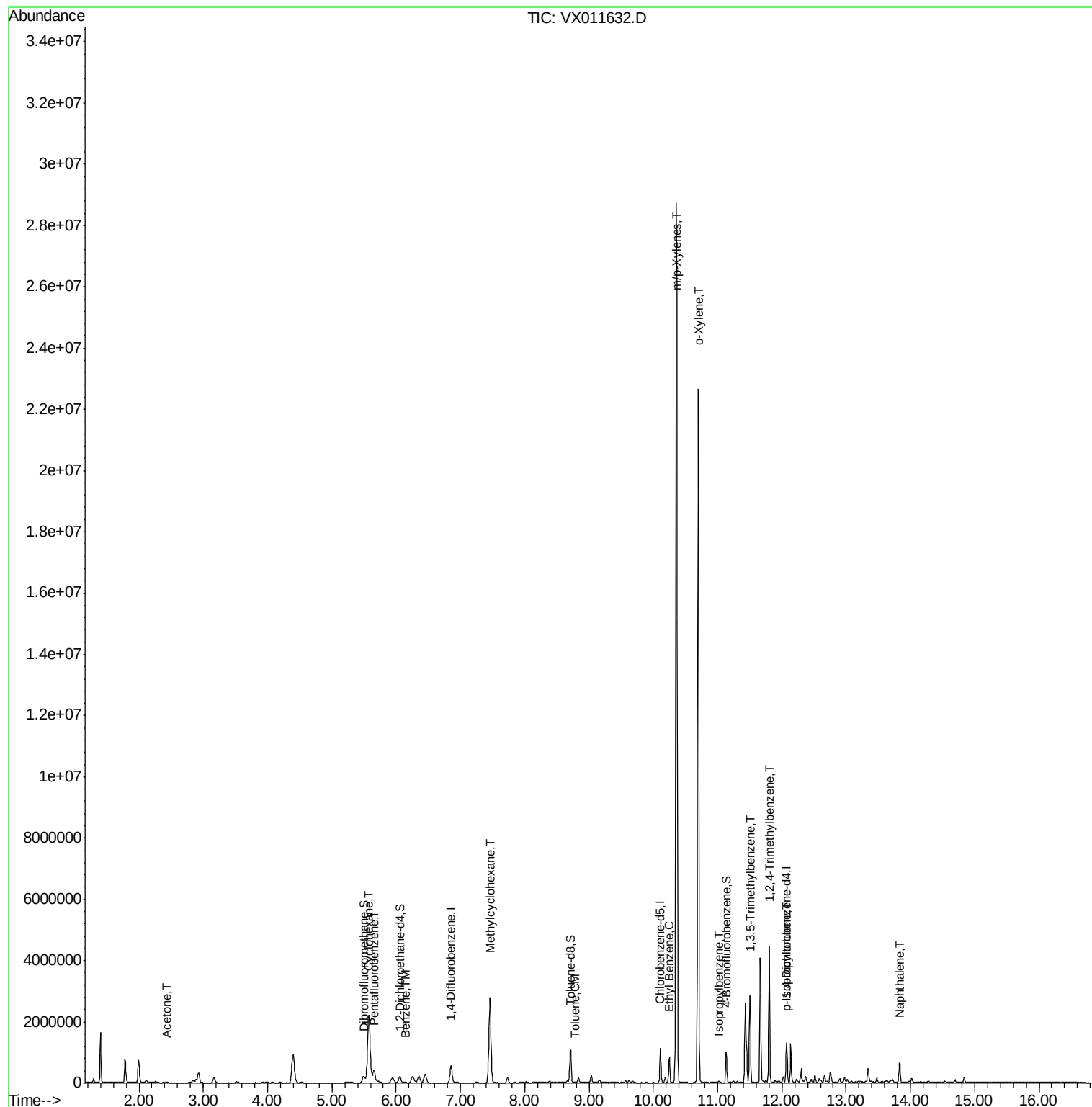
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.43	43	14158	6.669	ug/l	98
31) Cyclohexane	5.57	56	1584350	253.095	ug/l	96
39) Methylcyclohexane	7.46	83	1334146	206.275	ug/l	100
40) Benzene	6.13	78	18326	1.126	ug/l	99
52) Toluene	8.78	92	4690	0.452	ug/l	90
67) Ethyl Benzene	10.25	91	487357	25.093	ug/l	99
68) m/p-Xylenes	10.36	106	7853833	1053.459	ug/l	85
69) o-Xylene	10.70	106	5446205	745.780	ug/l	88
73) Isopropylbenzene	11.02	105	29530	1.563	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1279661	80.638	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1923714	120.749	ug/l	99
86) p-Isopropyltoluene	12.06	119	33456	1.950	ug/l	95
95) Naphthalene	13.83	128	425502	20.830	ug/l	99

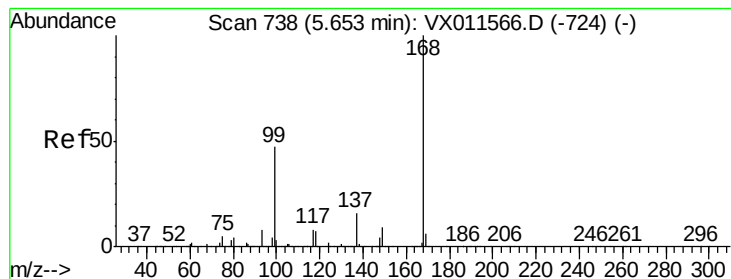
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX011632.D

Acq: 19 Aug 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

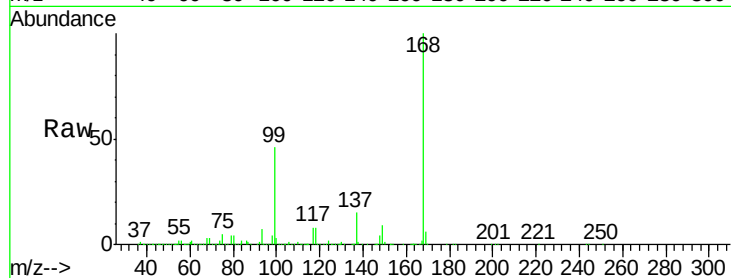
PH2-0138

Tot Ion:168 Resp: 455250

Ion Ratio Lower Upper

168 100

99 45.5 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

150000

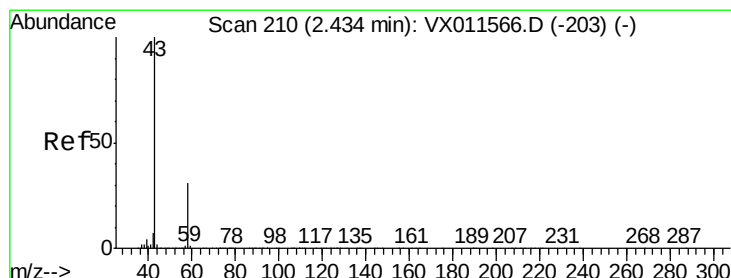
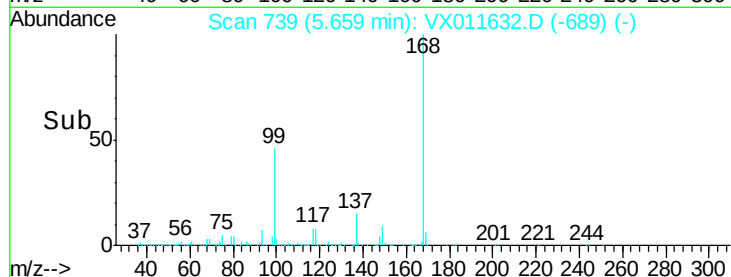
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 6.669 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011632.D

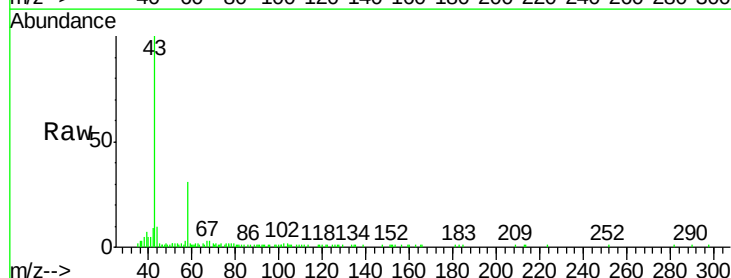
Acq: 19 Aug 2019 15:19

Tgt Ion: 43 Resp: 14158

Ion Ratio Lower Upper

43 100

58 30.2 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

10000

8000

6000

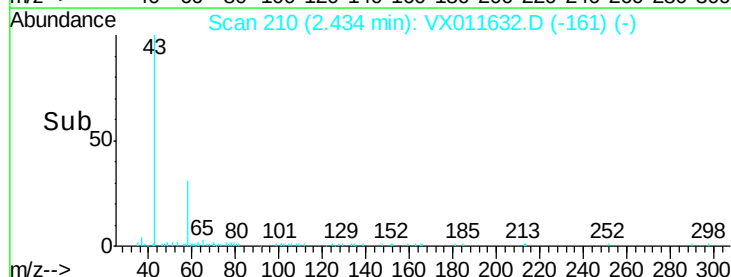
4000

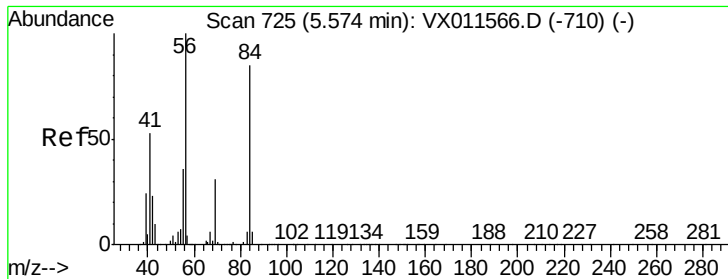
2000

0

Time-->

2.40 2.45 2.50





#31

Cyclohexane

Concen: 253.095 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011632.D

Acq: 19 Aug 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

PH2-0138

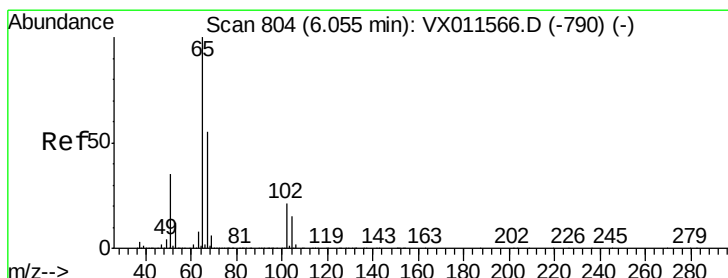
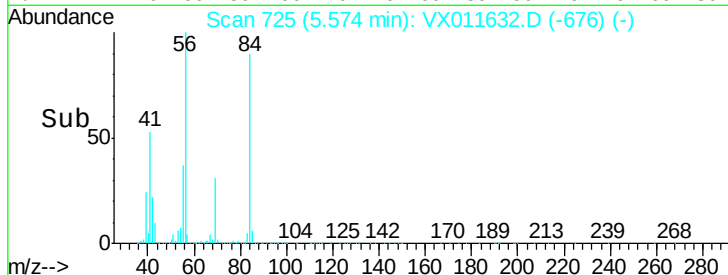
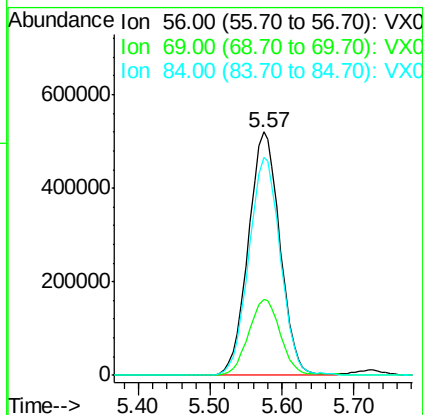
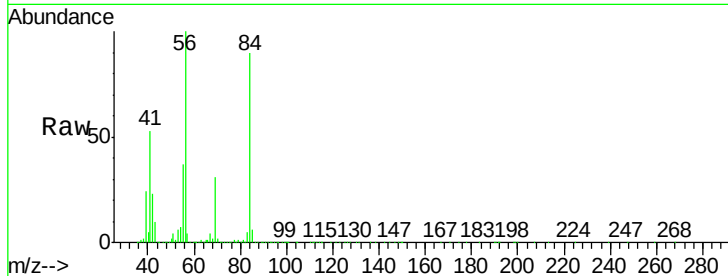
Tot Ion: 56 Resp: 1584350

Ion Ratio Lower Upper

56 100

69 31.3 24.8 37.2

84 89.5 67.9 101.9



#33

1,2-Dichloroethane-d4

Concen: 48.078 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011632.D

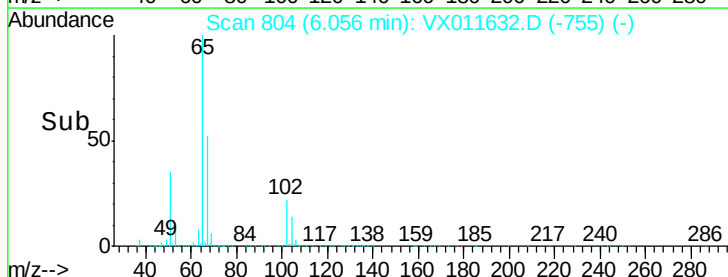
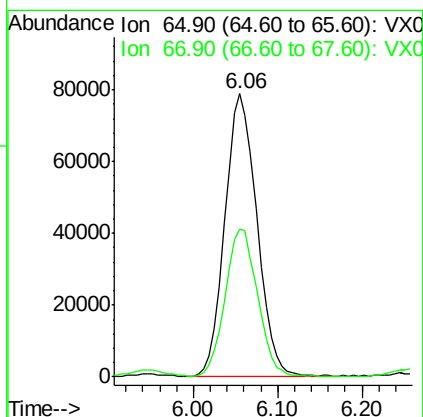
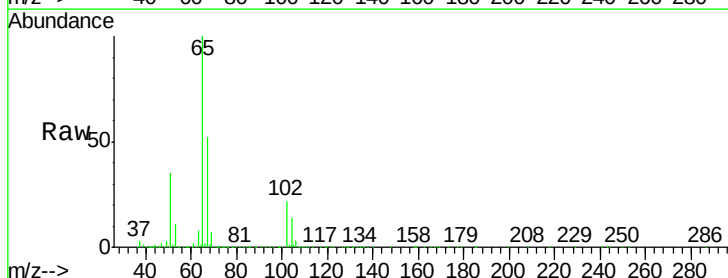
Acq: 19 Aug 2019 15:19

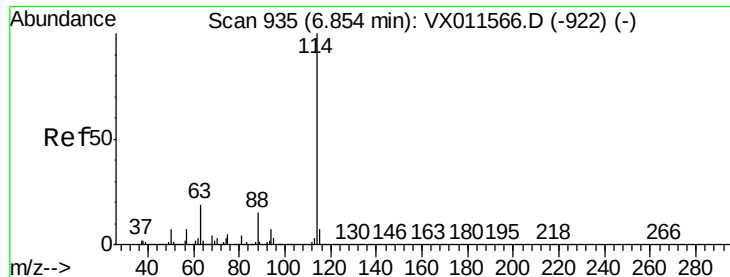
Tgt Ion: 65 Resp: 202976

Ion Ratio Lower Upper

65 100

67 52.8 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: VX011632.D

Acq: 19 Aug 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

PH2-0138

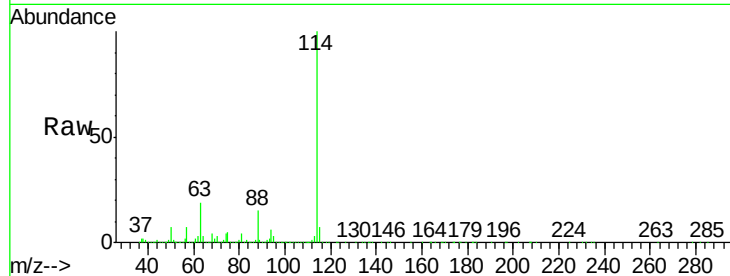
Tot Ion:114 Resp: 612570

Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.8

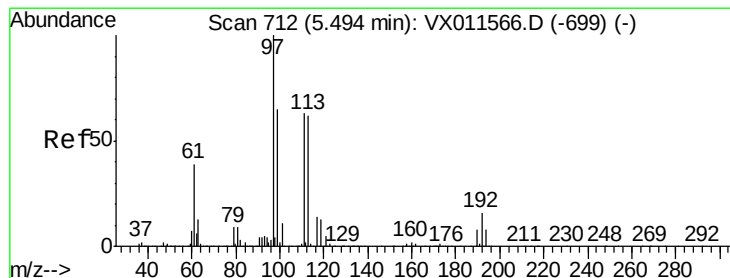
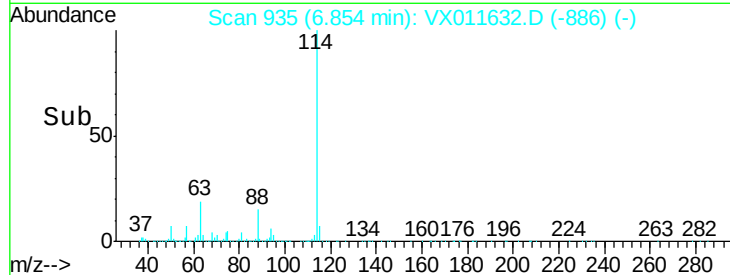
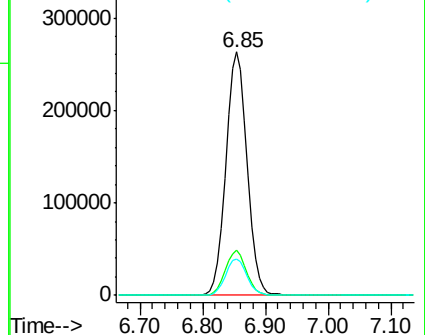
88 14.7 0.0 30.2



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: 44.995 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011632.D

Acq: 19 Aug 2019 15:19

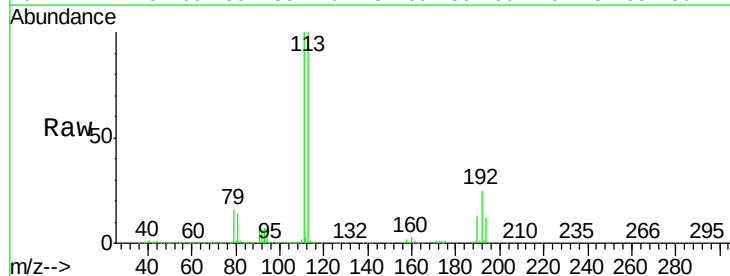
Tgt Ion:113 Resp: 180278

Ion Ratio Lower Upper

113 100

111 100.8 81.1 121.7

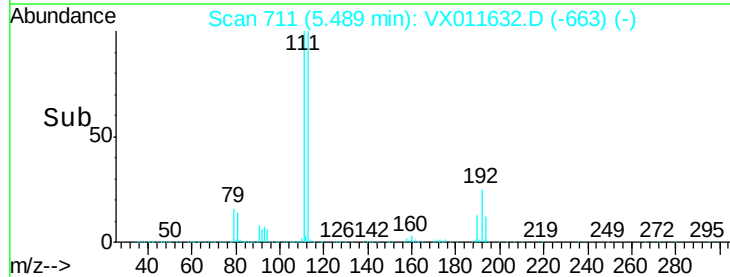
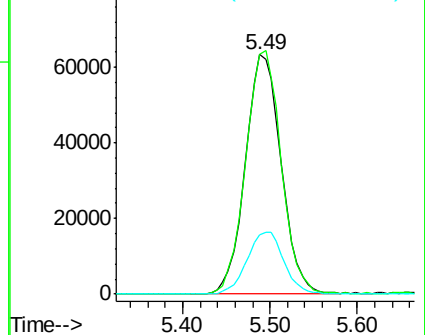
192 26.6 20.8 31.2

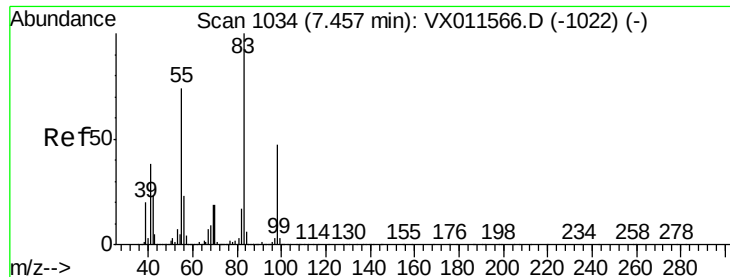


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

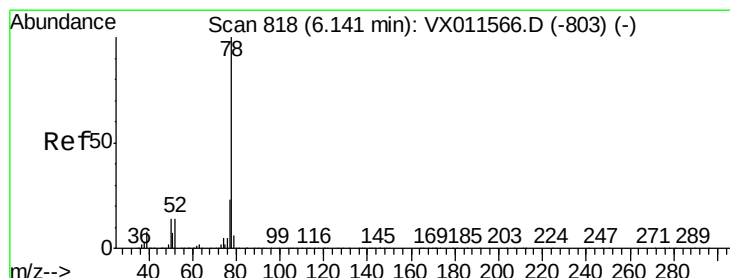
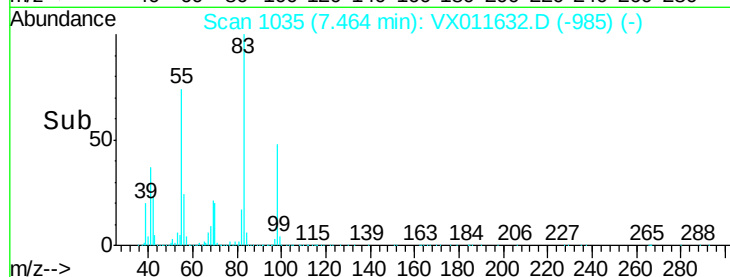
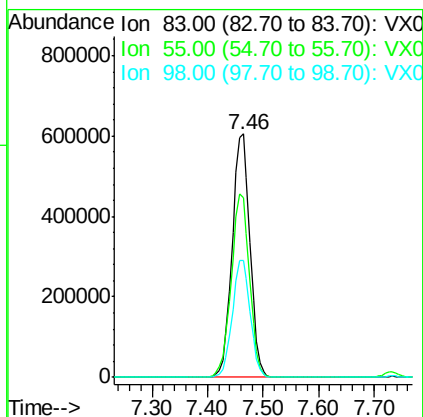
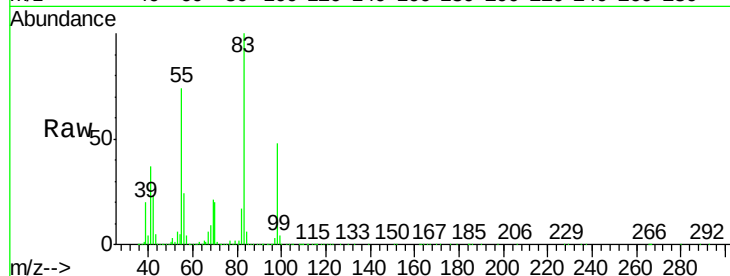




#39
Methylvlcyclohexane
Concen: 206.275 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX011632.D
Acq: 19 Aug 2019 15:19

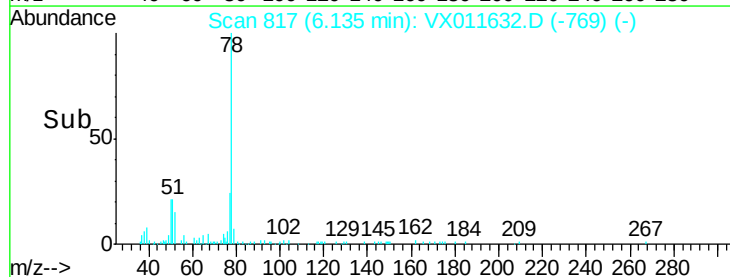
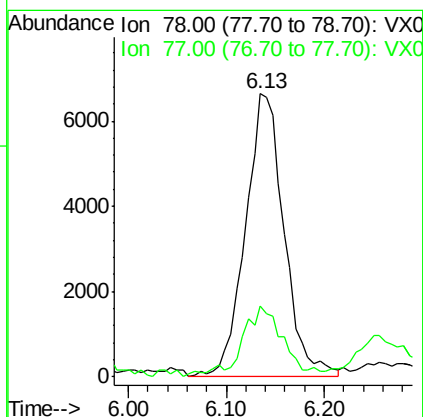
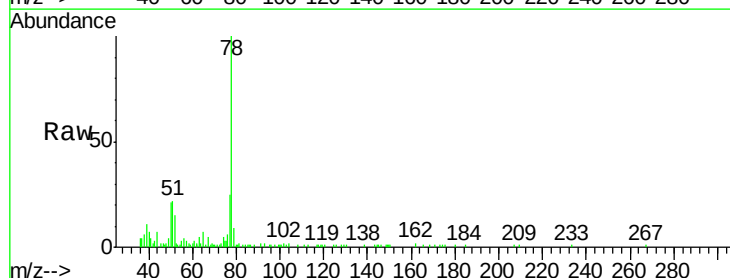
Instrument :
MSVOA_X
ClientSampleId :
PH2-0138

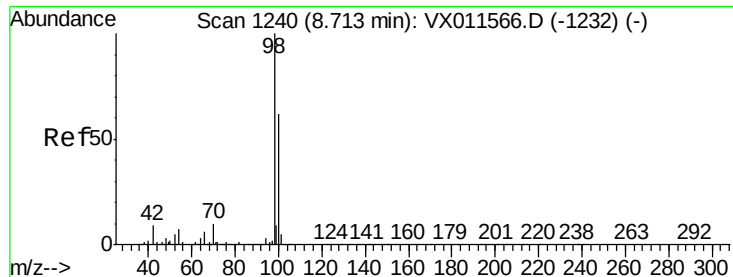
Tot Ion: 83 Resp: 1334146
Ion Ratio Lower Upper
83 100
55 73.6 58.8 88.2
98 47.8 37.8 56.6



#40
Benzene
Concen: 1.126 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011632.D
Acq: 19 Aug 2019 15:19

Tgt Ion: 78 Resp: 18326
Ion Ratio Lower Upper
78 100
77 23.7 18.6 28.0

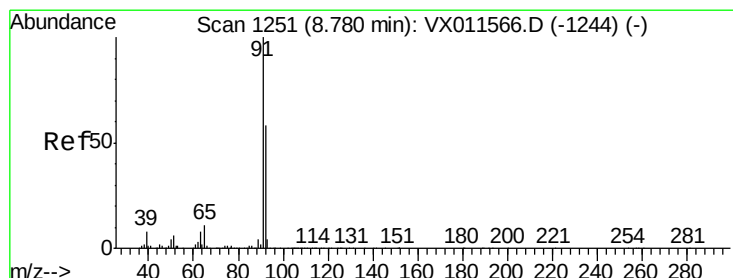
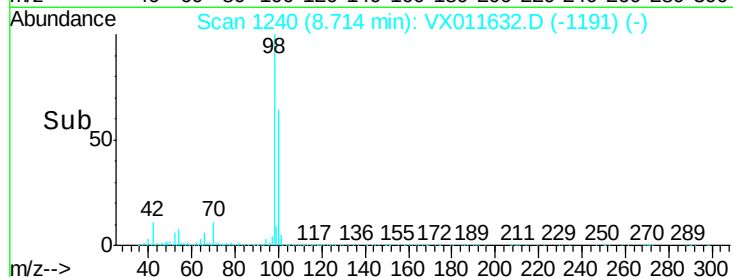
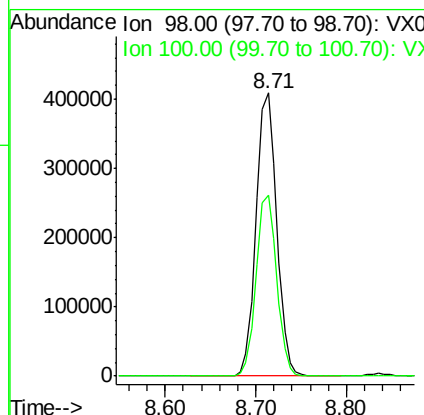
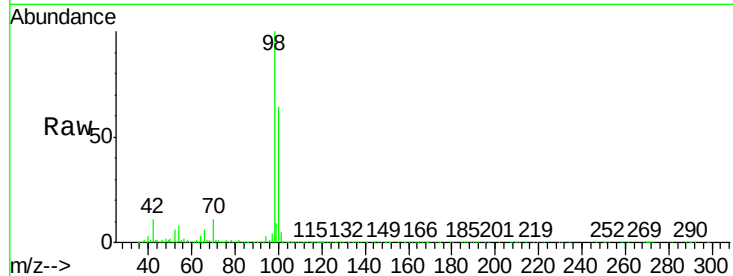




#50
Toluene-d8
Concen: 51.780 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011632.D
Acq: 19 Aug 2019 15:19

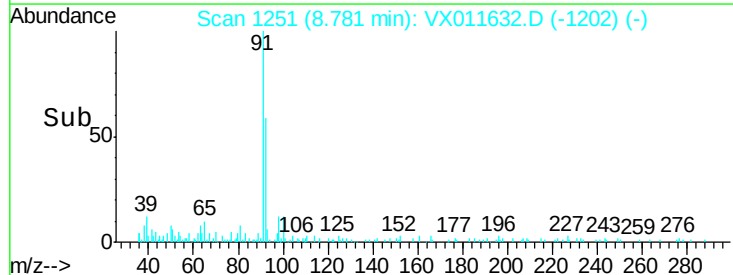
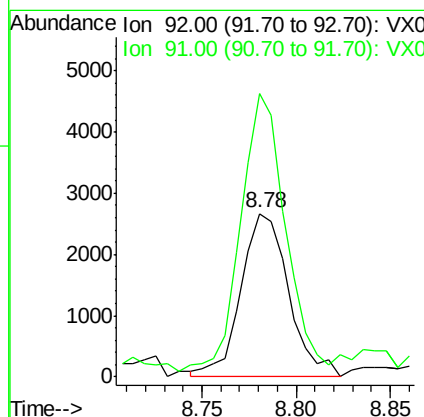
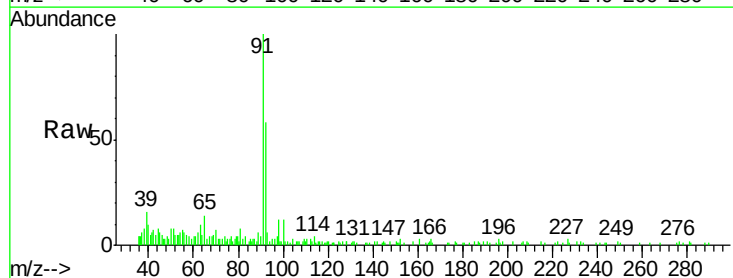
Instrument :
MSVOA_X
ClientSampleId :
PH2-0138

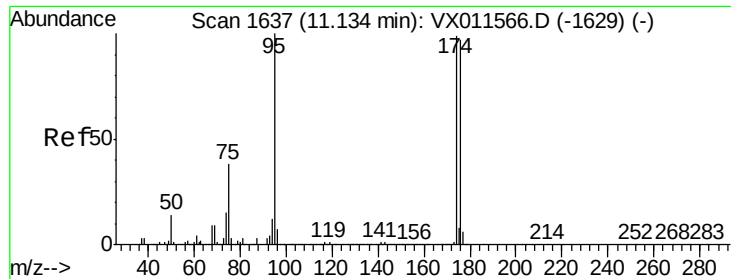
Tot Ion: 98 Resp: 646428
Ion Ratio Lower Upper
98 100
100 63.9 52.4 78.6



#52
Toluene
Concen: 0.452 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011632.D
Acq: 19 Aug 2019 15:19

Tgt Ion: 92 Resp: 4690
Ion Ratio Lower Upper
92 100
91 158.6 138.0 207.0

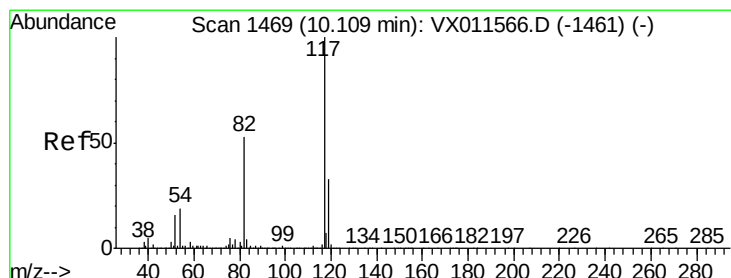
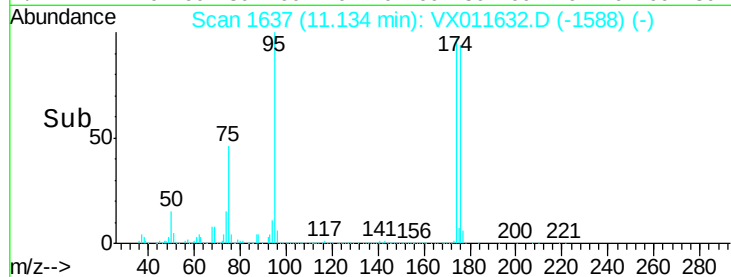
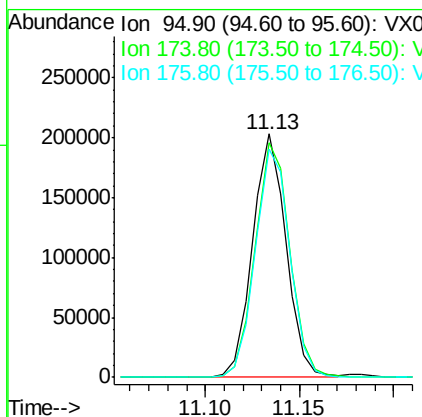
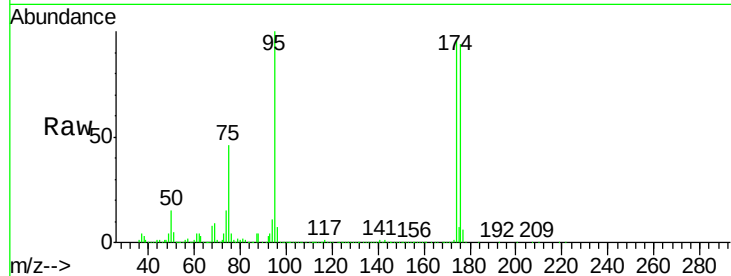




#62
4-Bromofluorobenzene
Concen: 47.387 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011632.D
Acq: 19 Aug 2019 15:19

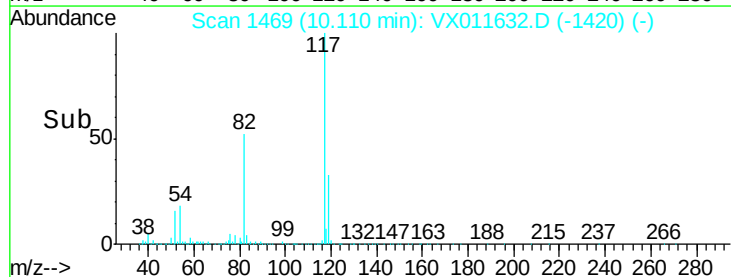
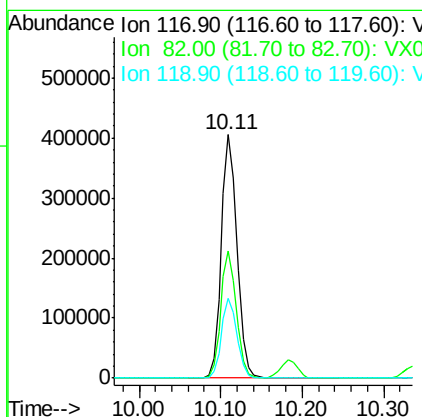
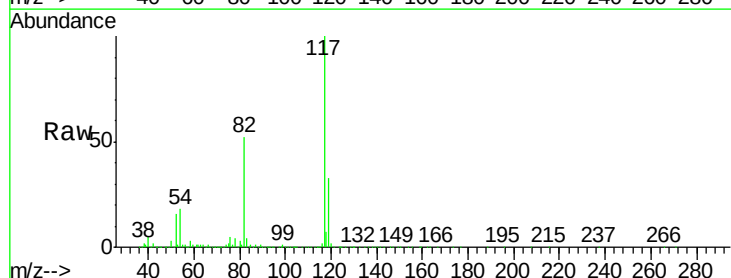
Instrument :
MSVOA_X
ClientSampleId :
PH2-0138

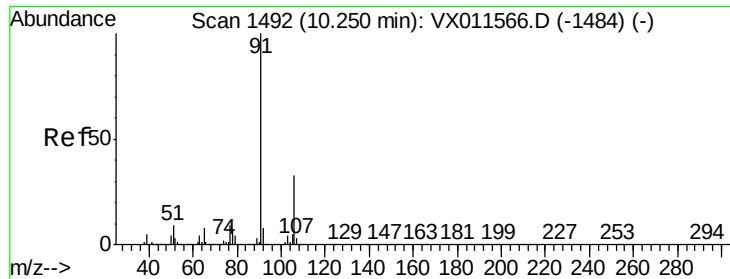
Tot Ion	Ratio	Lower	Upper
95	100		
174	100.1	0.0	200.6
176	97.0	0.0	196.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011632.D
Acq: 19 Aug 2019 15:19

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.0	63.0
119	32.6	26.5	39.7





#67

Ethyl Benzene

Concen: 25.093 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011632.D

Acq: 19 Aug 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

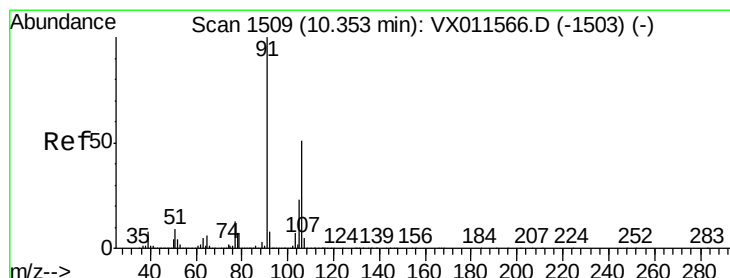
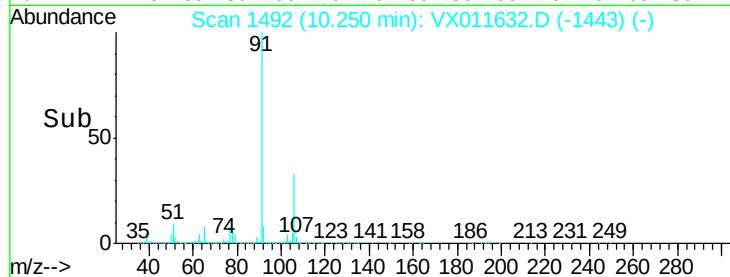
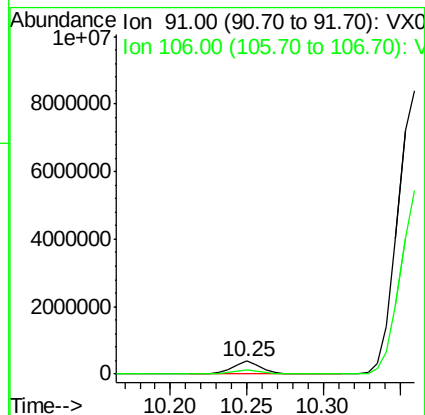
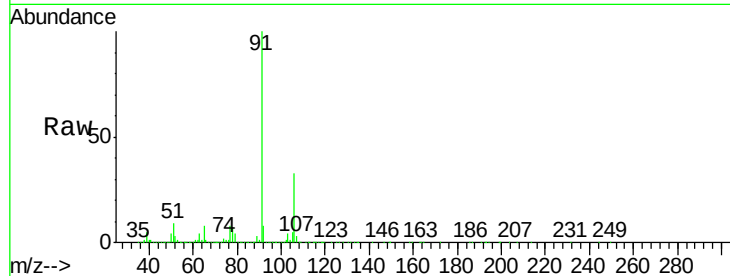
PH2-0138

Tot Ion: 91 Resp: 487357

Ion Ratio Lower Upper

91 100

106 32.9 26.0 39.0



#68

m/p-Xylenes

Concen: 1053.459 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VX011632.D

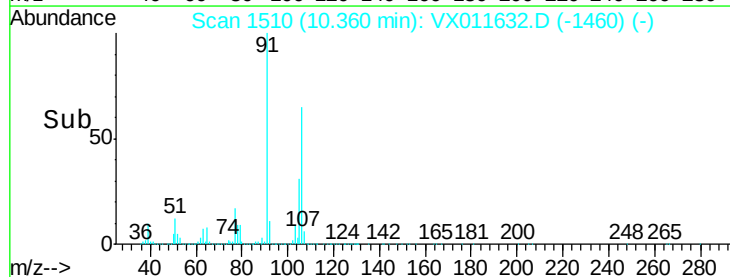
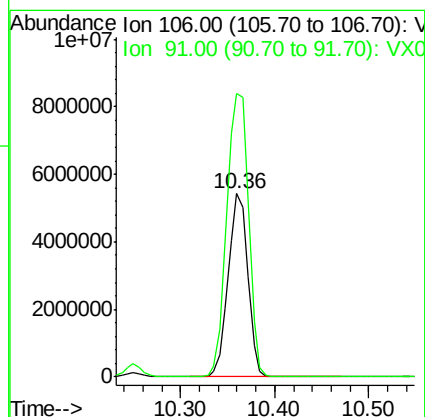
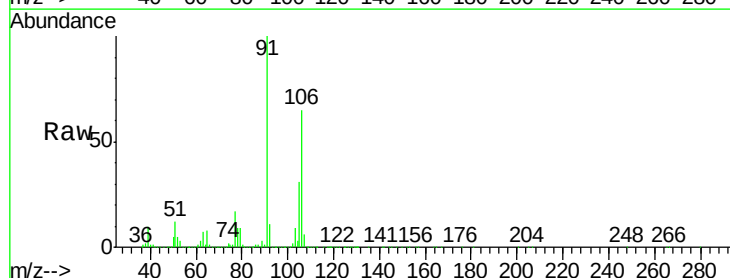
Acq: 19 Aug 2019 15:19

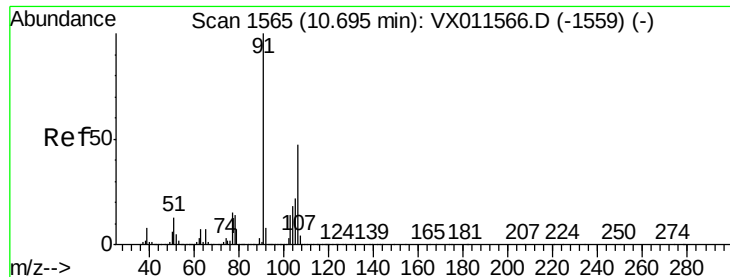
Tgt Ion:106 Resp: 7853833

Ion Ratio Lower Upper

106 100

91 172.4 156.0 234.0

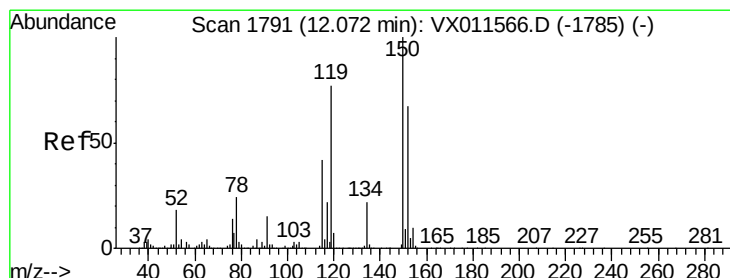
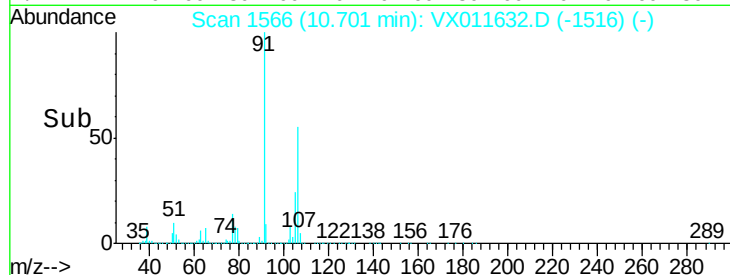
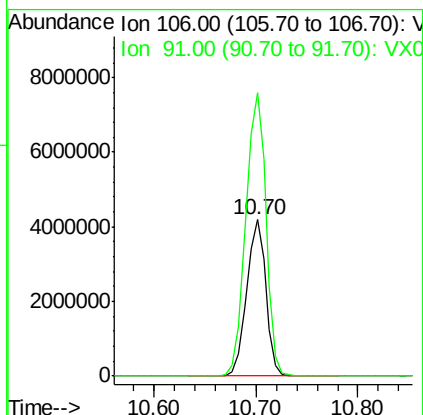
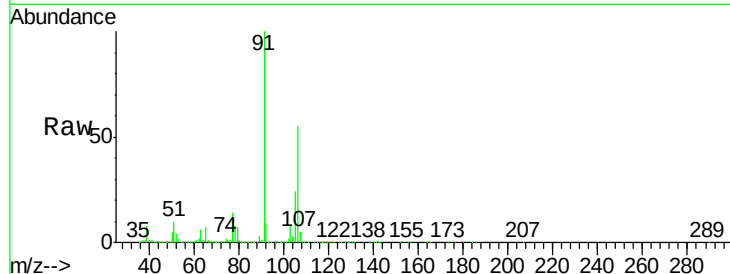




#69
o-Xylene
Concen: 745.780 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX011632.D
Acq: 19 Aug 2019 15:19

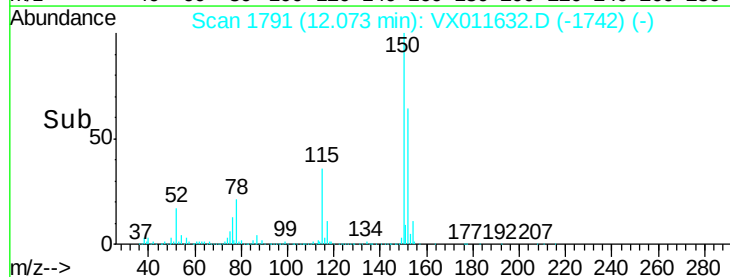
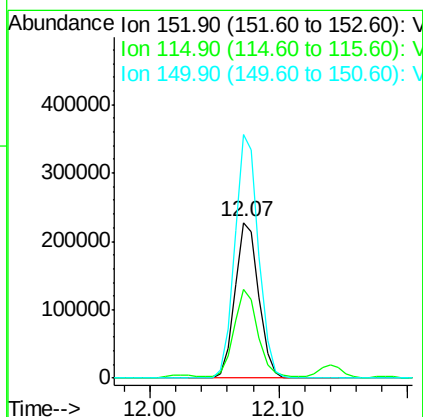
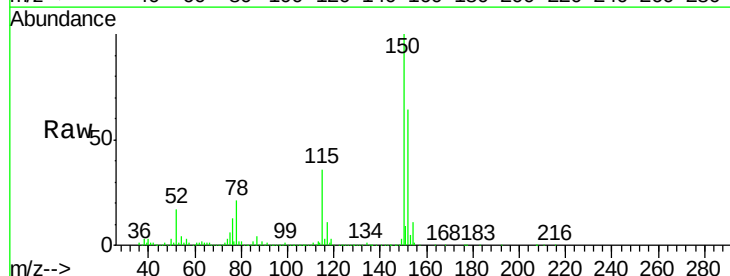
Instrument :
MSVOA_X
ClientSampleId :
PH2-0138

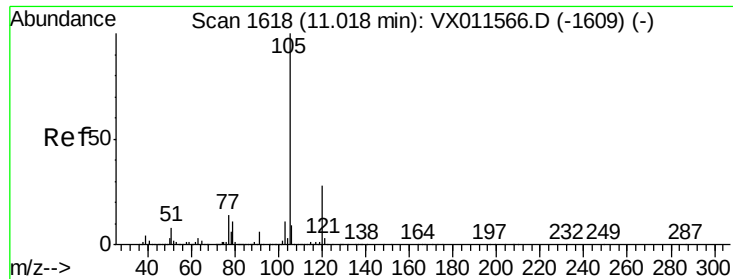
Tot Ion:106 Resp: 5446205
Ion Ratio Lower Upper
106 100
91 191.6 105.5 316.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011632.D
Acq: 19 Aug 2019 15:19

Tgt Ion:152 Resp: 291133
Ion Ratio Lower Upper
152 100
115 58.1 37.3 111.9
150 155.6 0.0 346.2





#73

Isopropylbenzene

Concen: 1.563 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011632.D

Acq: 19 Aug 2019 15:19

Instrument :

MSVOA_X

ClientSampleId :

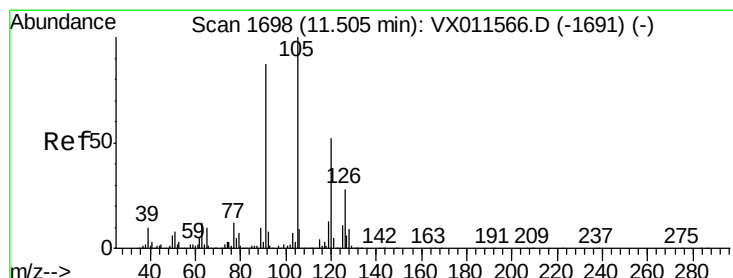
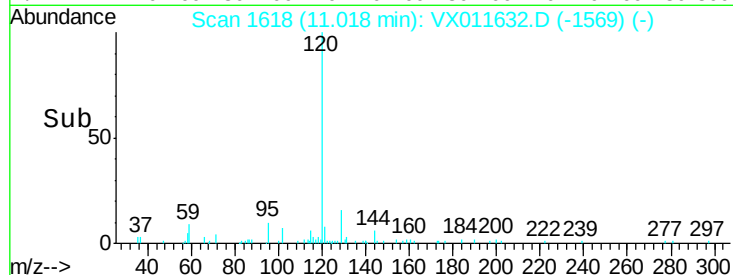
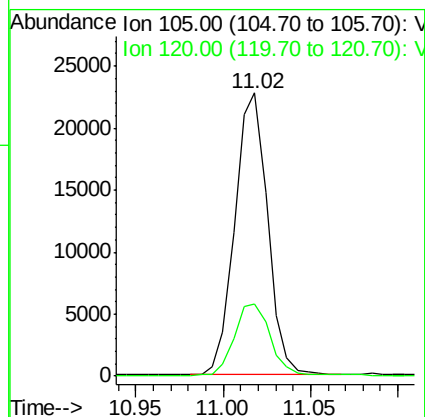
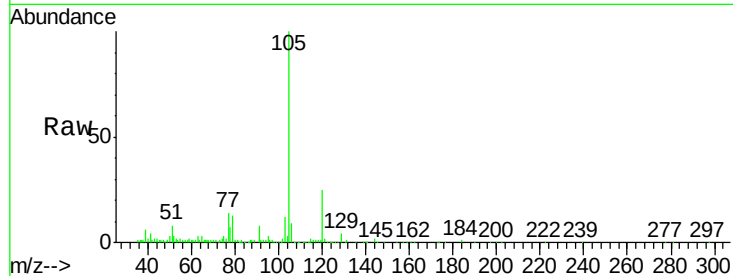
PH2-0138

Tot Ion:105 Resp: 29530

Ion Ratio Lower Upper

105 100

120 28.4 14.0 41.9



#80

1,3,5-Trimethylbenzene

Concen: 80.638 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011632.D

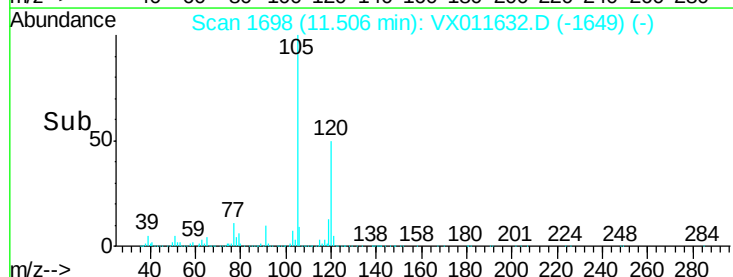
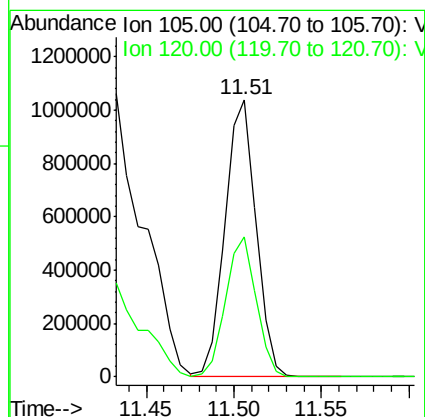
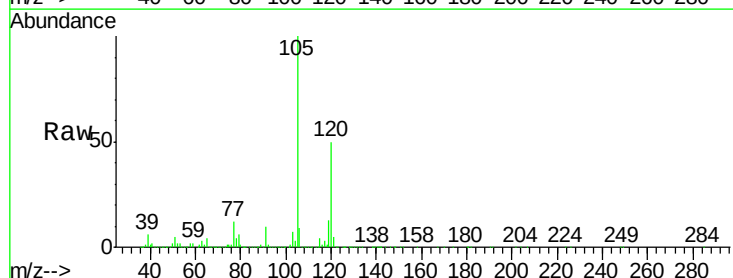
Acq: 19 Aug 2019 15:19

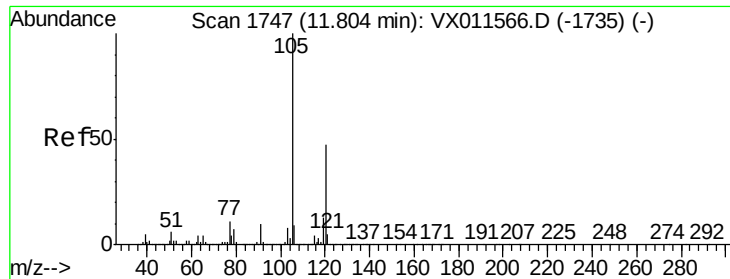
Tgt Ion:105 Resp: 1279661

Ion Ratio Lower Upper

105 100

120 50.1 25.3 75.8

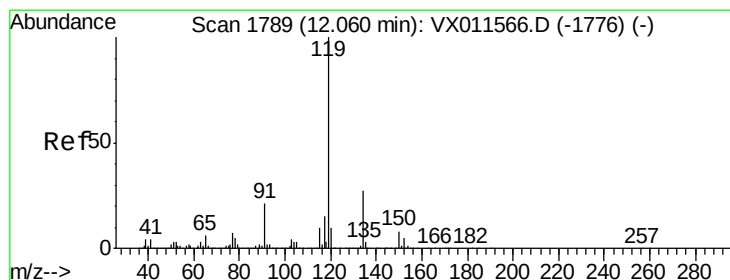
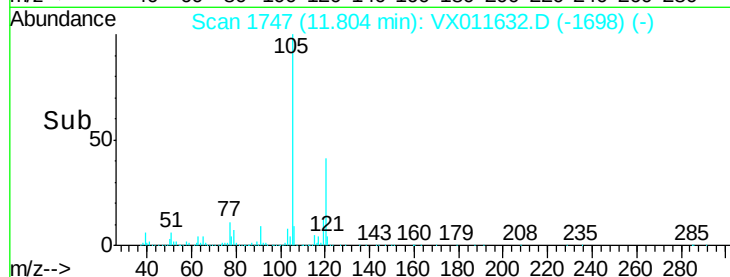
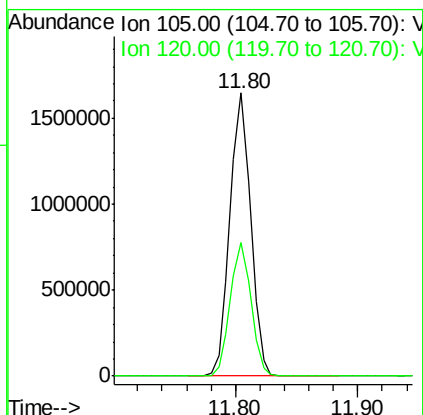
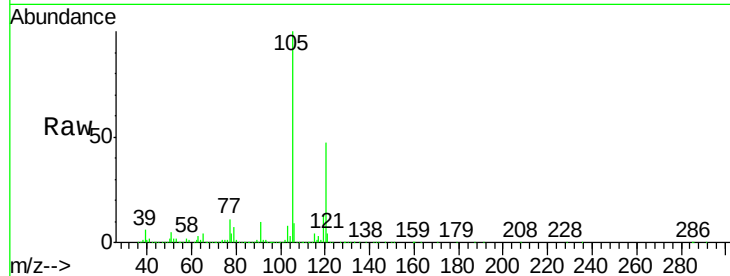




#84
 1,2,4-Trimethylbenzene
 Concen: 120.749 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011632.D
 Acq: 19 Aug 2019 15:19

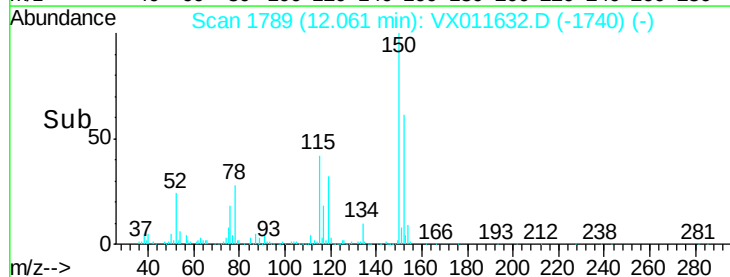
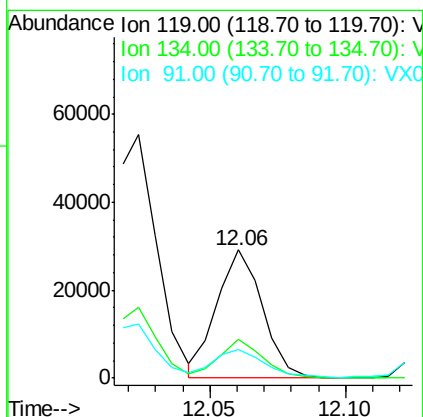
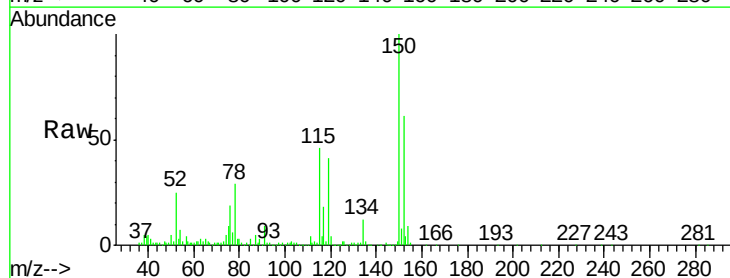
Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0138

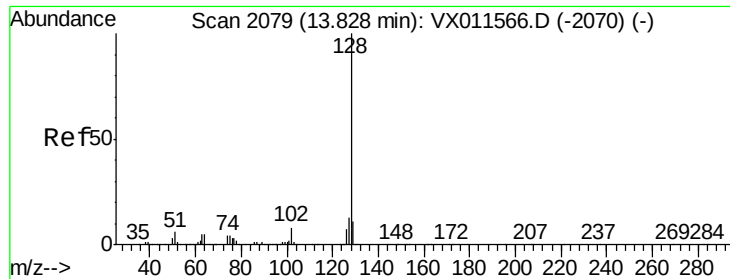
Tot Ion:105 Resp: 1923714
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.3 69.9



#86
 p-Isopropyltoluene
 Concen: 1.950 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX011632.D
 Acq: 19 Aug 2019 15:19

Tgt Ion:119 Resp: 33456
 Ion Ratio Lower Upper
 119 100
 134 30.1 13.6 40.8
 91 23.7 10.9 32.9





#95
Naphthalene
Concen: 20.830 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX011632.D
Acq: 19 Aug 2019 15:19

Instrument :
MSVOA_X
ClientSampleId :
PH2-0138

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.8	8.7	13.1

