

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX081619\
 Data File : VX011587.D
 Acq On : 16 Aug 2019 17:35
 Operator : JC/SP
 Sample : K4392-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-1

Quant Time: Aug 19 03:29:19 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	485490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	662849	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	577083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	290186	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	220088	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
35) Dibromofluoromethane	5.49	113	191116	44.08	ug/l	0.00
Spiked Amount			Recovery	=	88.16%	
50) Toluene-d8	8.71	98	782051	57.89	ug/l	0.00
Spiked Amount			Recovery	=	115.78%	
62) 4-Bromofluorobenzene	11.13	95	288876	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	

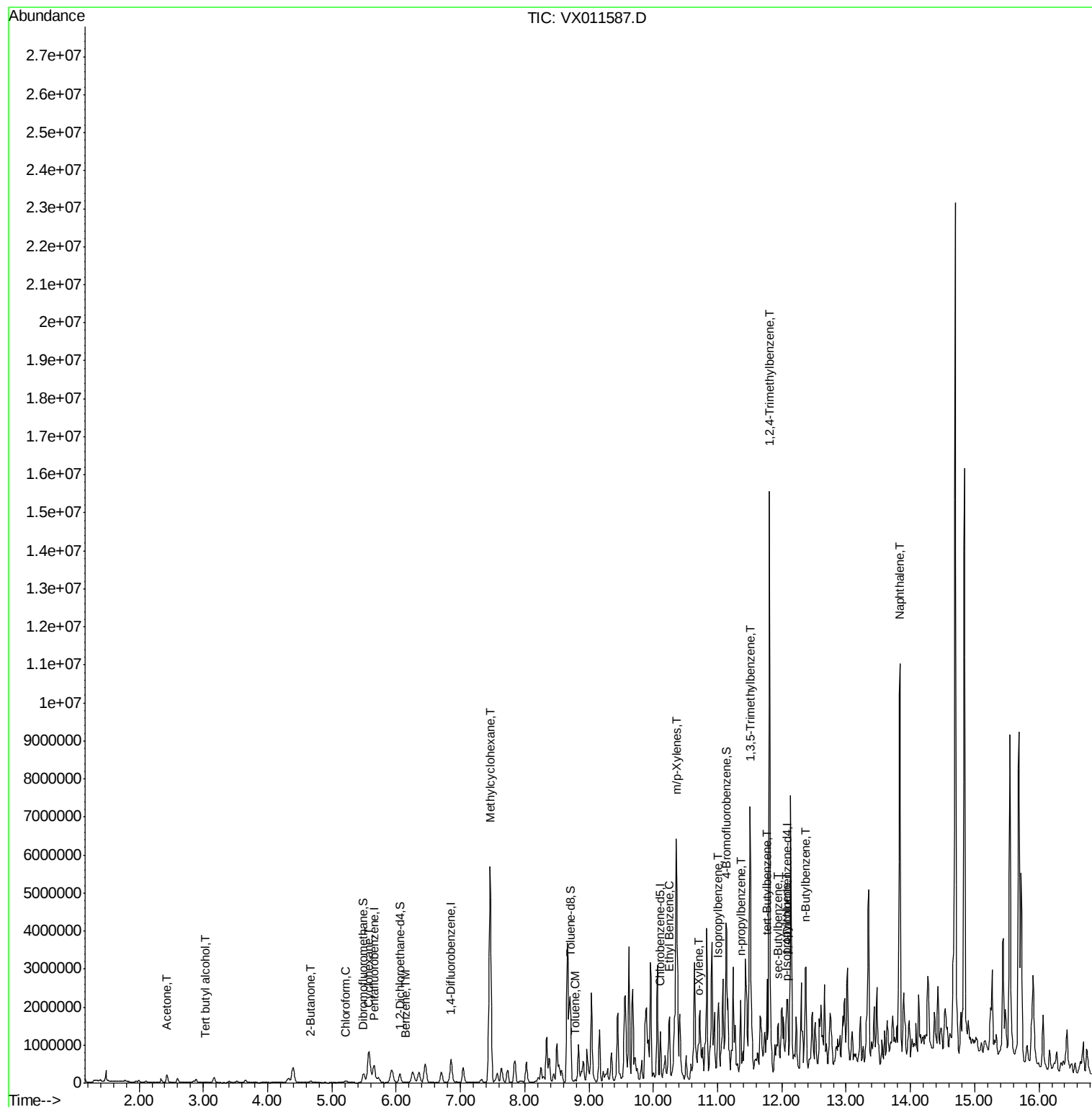
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	6294	5.698	ug/l #	71
16) Acetone	2.43	43	220149	97.246	ug/l	98
25) 2-Butanone	4.67	43	81259	22.864	ug/l	95
30) Chloroform	5.20	83	28489	3.482	ug/l	93
31) Cyclohexane	5.57	56	593907	88.965	ug/l	97
39) Methylcyclohexane	7.46	83	2679614	382.874	ug/l	98
40) Benzene	6.13	78	10667	0.606	ug/l	99
52) Toluene	8.78	92	22487	2.004	ug/l	95
67) Ethyl Benzene	10.25	91	723229	35.207	ug/l	98
68) m/p-Xylenes	10.36	106	1399265	177.457	ug/l	98
69) o-Xylene	10.69	106	125289	16.221	ug/l	90
73) Isopropylbenzene	11.02	105	821443	43.625	ug/l	100
78) n-propylbenzene	11.36	91	1136296	55.964	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2853577	180.405	ug/l	99
83) tert-Butylbenzene	11.77	119	83240	5.167	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	6730554	423.846	ug/l	96
85) sec-Butylbenzene	11.94	105	258261	14.209	ug/l	94
86) p-Isopropyltoluene	12.06	119	186152	10.887	ug/l	97
89) n-Butylbenzene	12.37	91	276534	19.671	ug/l #	10
95) Naphthalene	13.83	128	6482992	318.400	ug/l	98

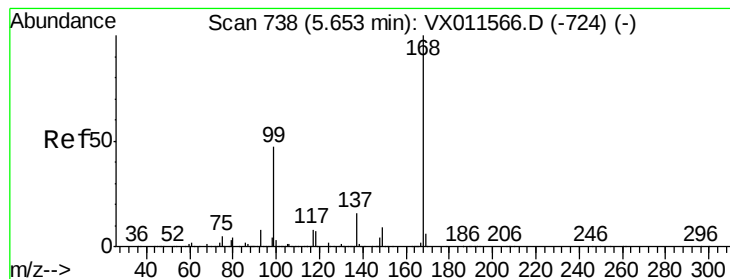
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

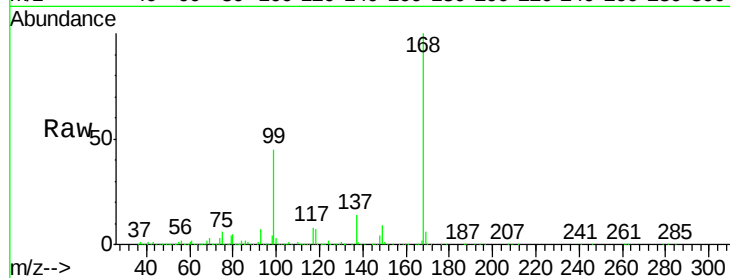
GW-1

Tot Ion:168 Resp: 485490

Ion Ratio Lower Upper

168 100

99 45.3 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

200000

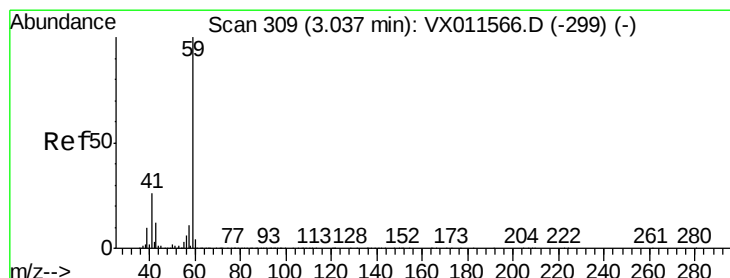
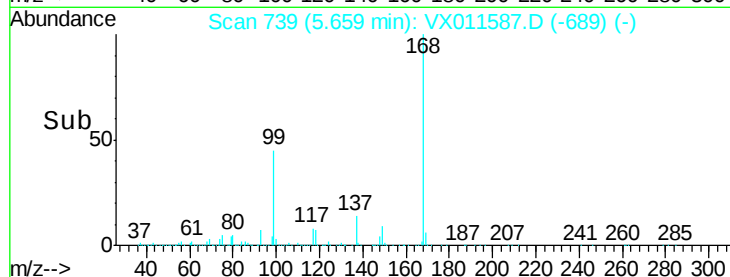
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.698 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.01 min

Lab File: VX011587.D

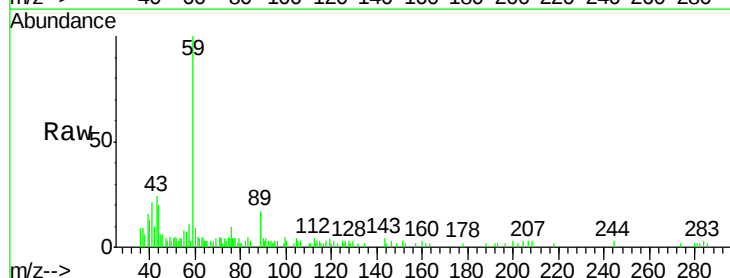
Acq: 16 Aug 2019 17:35

Tgt Ion: 59 Resp: 6294

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

40000

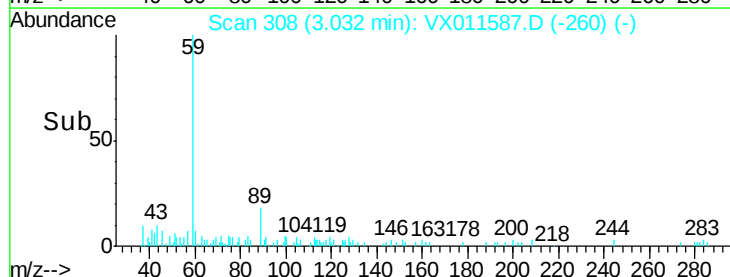
30000

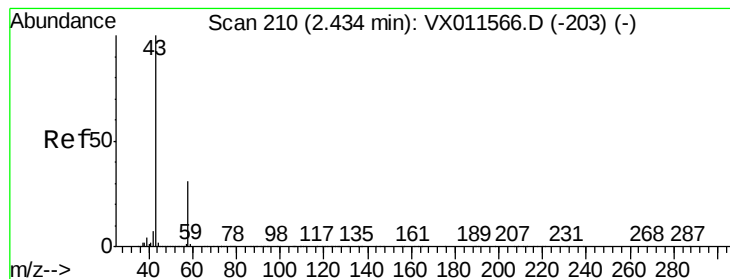
20000

10000

0

Time-->





#16

Acetone

Concen: 97.246 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampled :

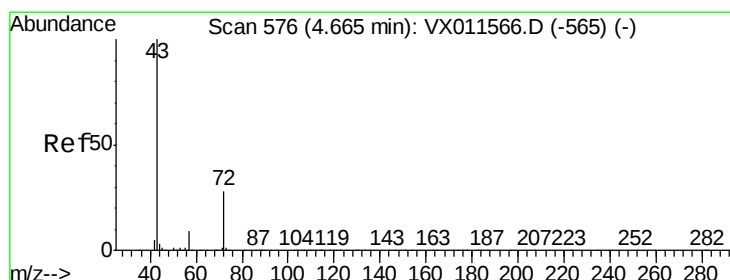
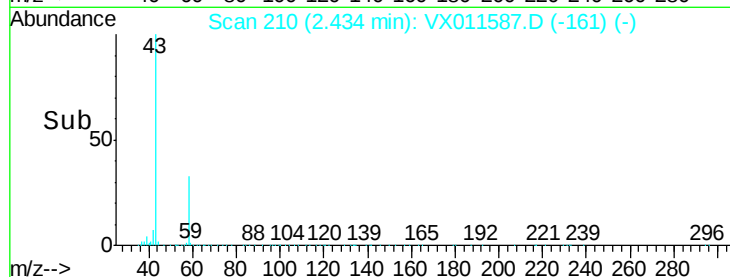
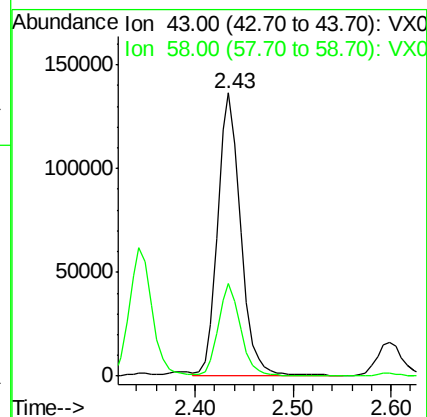
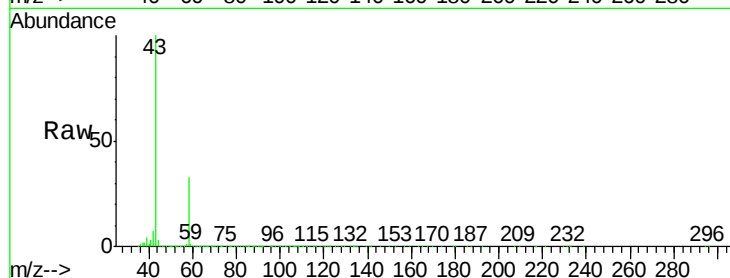
GW-1

Tot Ion: 43 Resp: 220149

Ion Ratio Lower Upper

43 100

58 32.8 25.2 37.8



#25

2-Butanone

Concen: 22.864 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011587.D

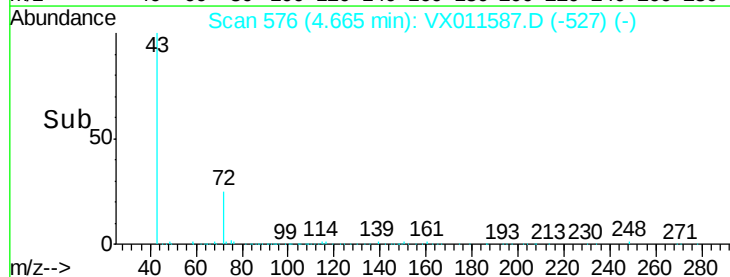
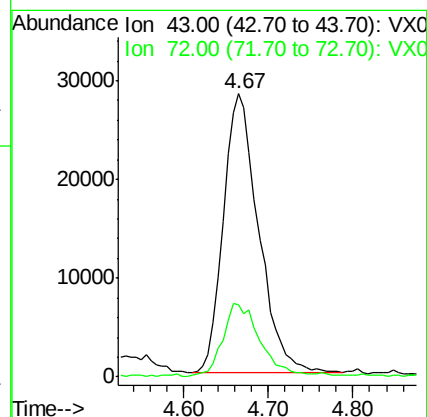
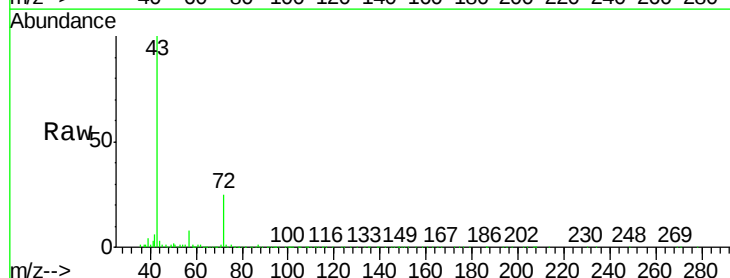
Acq: 16 Aug 2019 17:35

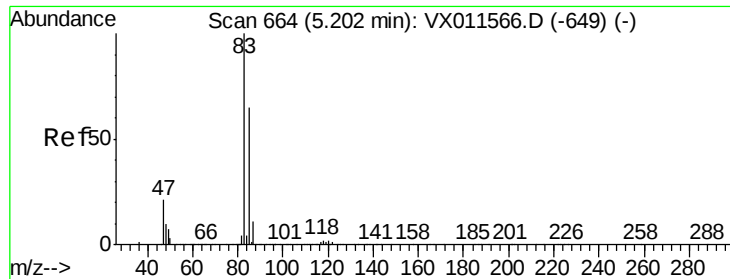
Tgt Ion: 43 Resp: 81259

Ion Ratio Lower Upper

43 100

72 25.1 22.2 33.4

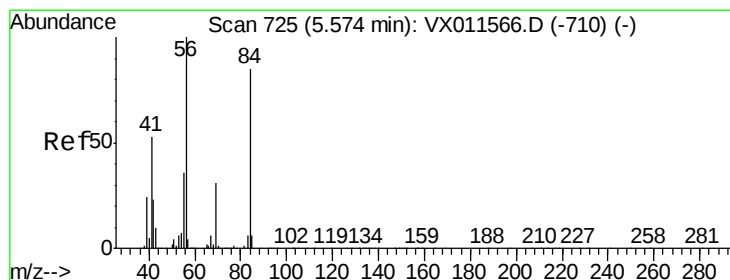
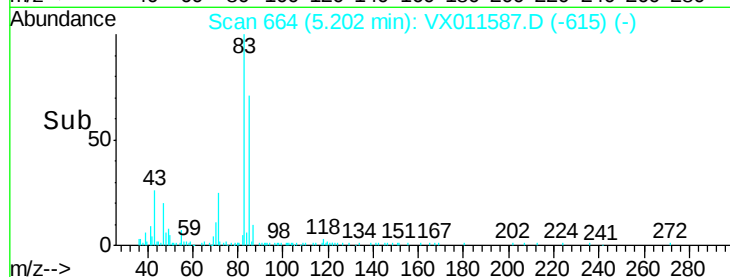
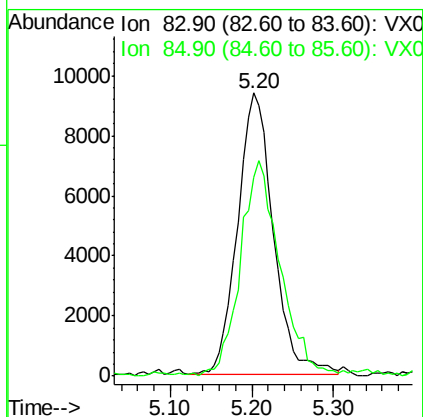
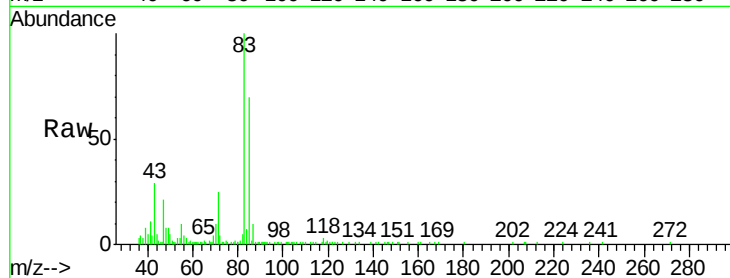




#30
Chloroform
Concen: 3.482 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011587.D
Acq: 16 Aug 2019 17:35

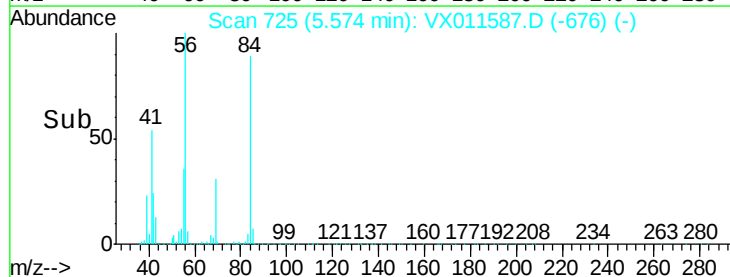
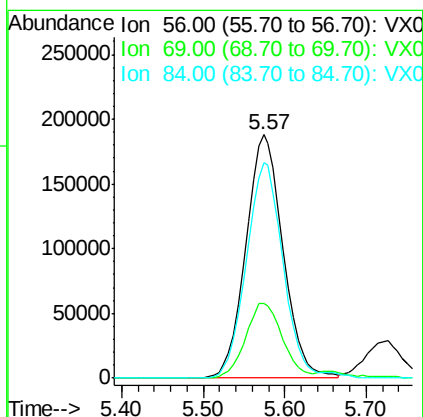
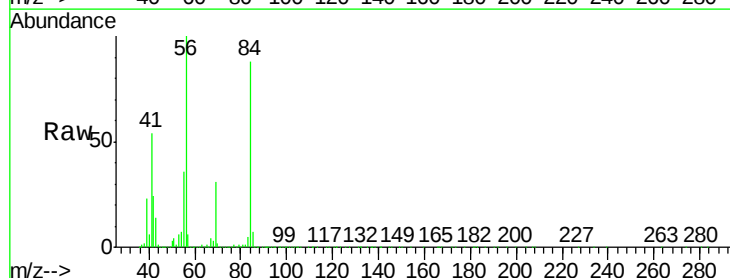
Instrument :
MSVOA_X
ClientSampled :
GW-1

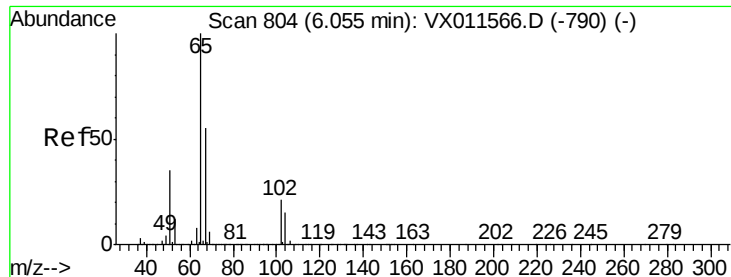
Tot Ion: 83 Resp: 28489
Ion Ratio Lower Upper
83 100
85 70.4 51.9 77.9



#31
Cyclohexane
Concen: 88.965 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX011587.D
Acq: 16 Aug 2019 17:35

Tgt Ion: 56 Resp: 593907
Ion Ratio Lower Upper
56 100
69 30.6 24.8 37.2
84 88.5 67.9 101.9





#33

1,2-Dichloroethane-d4

Concen: 48.884 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

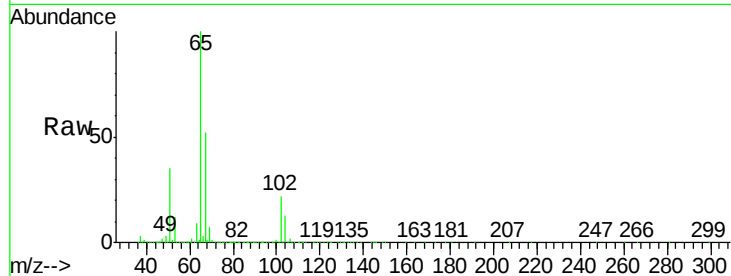
GW-1

Tot Ion: 65 Resp: 220088

Ion Ratio Lower Upper

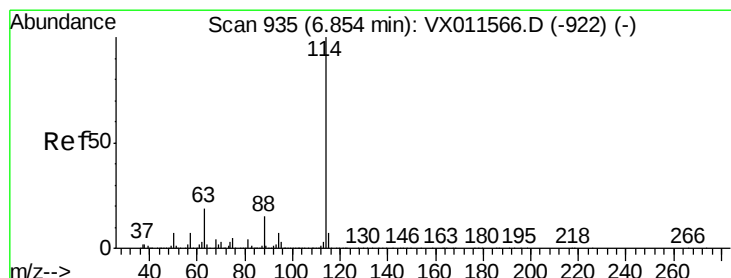
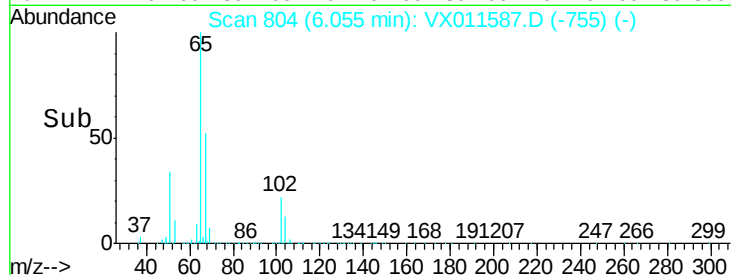
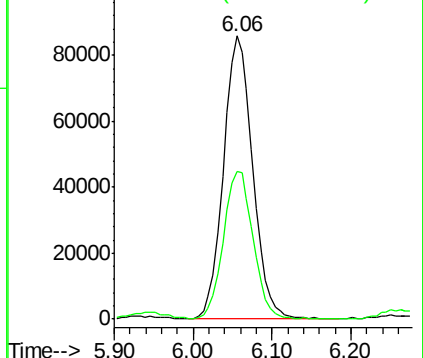
65 100

67 52.8 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: VX011587.D

Acq: 16 Aug 2019 17:35

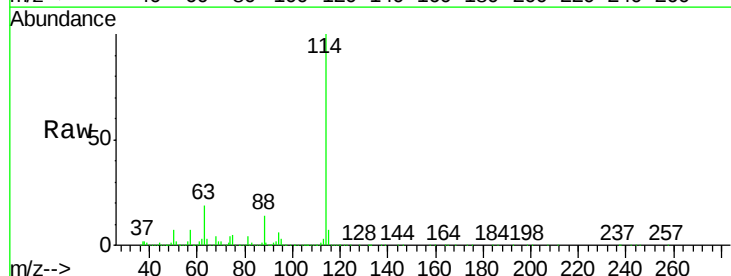
Tgt Ion: 114 Resp: 662849

Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.8

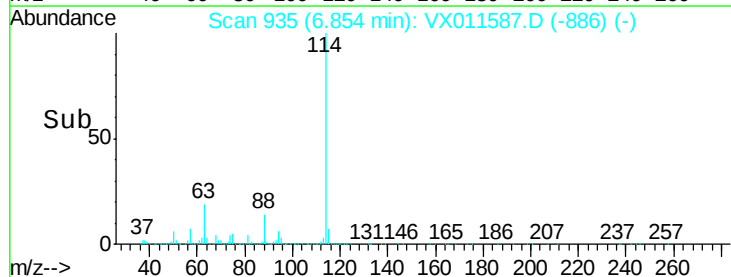
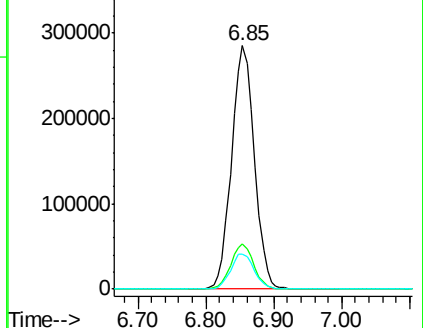
88 14.4 0.0 30.2

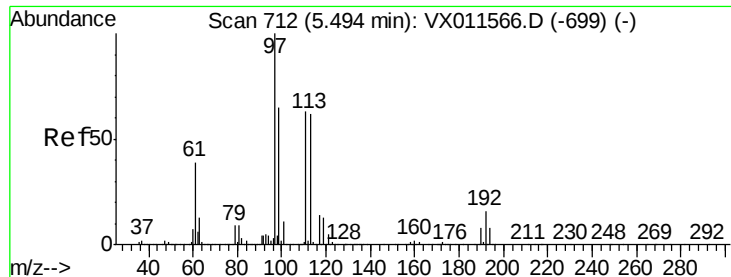


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 44.082 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

GW-1

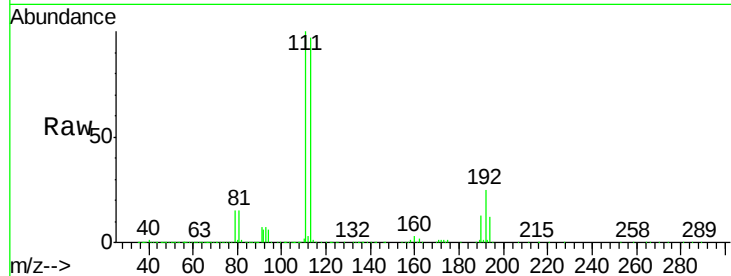
Tot Ion:113 Resp: 191116

Ion Ratio Lower Upper

113 100

111 102.3 81.1 121.7

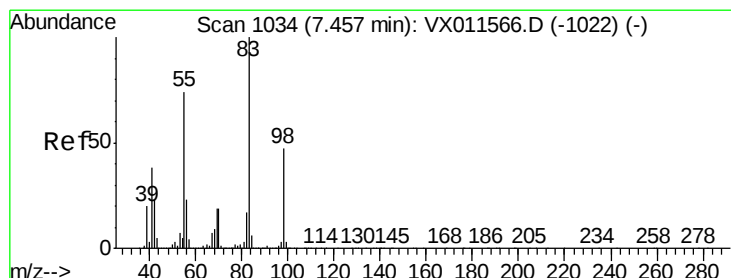
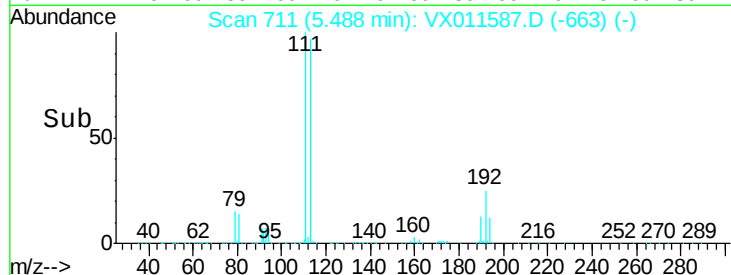
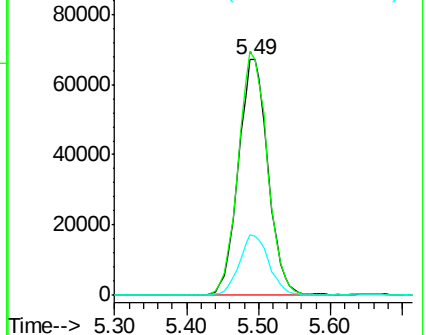
192 25.9 20.8 31.2



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

Methylcyclohexane

Concen: 382.874 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

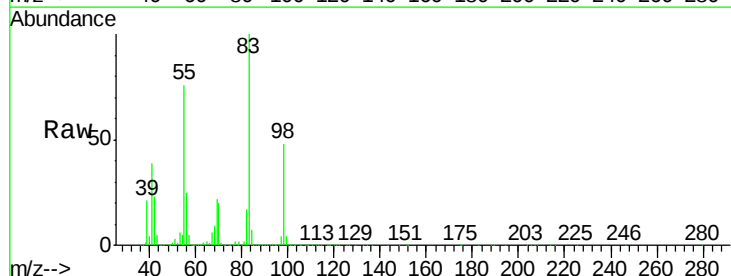
Tgt Ion: 83 Resp: 2679614

Ion Ratio Lower Upper

83 100

55 75.8 58.8 88.2

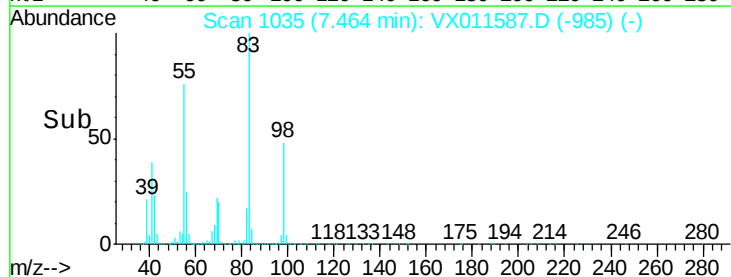
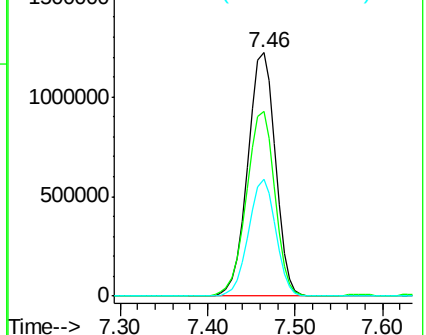
98 48.0 37.8 56.6

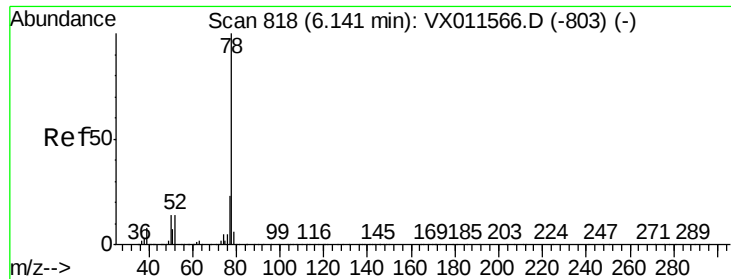


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.606 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

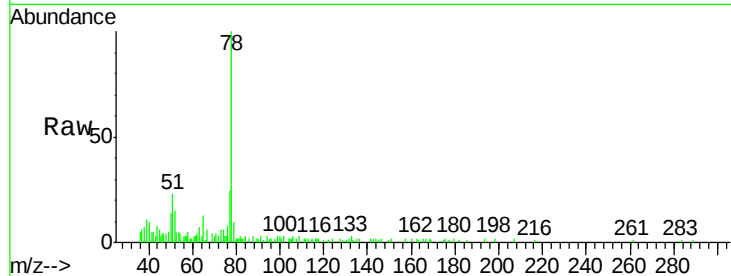
GW-1

Tot Ion: 78 Resp: 10667

Ion Ratio Lower Upper

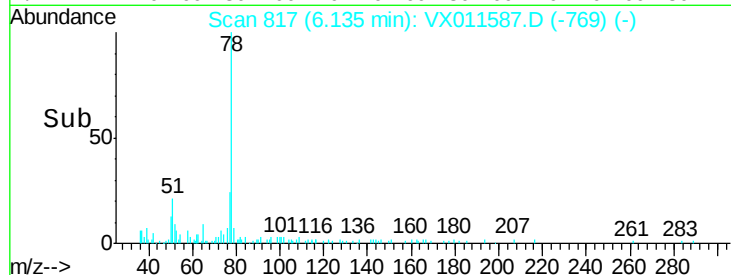
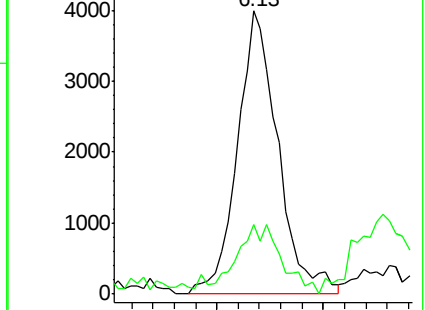
78 100

77 22.8 18.6 28.0

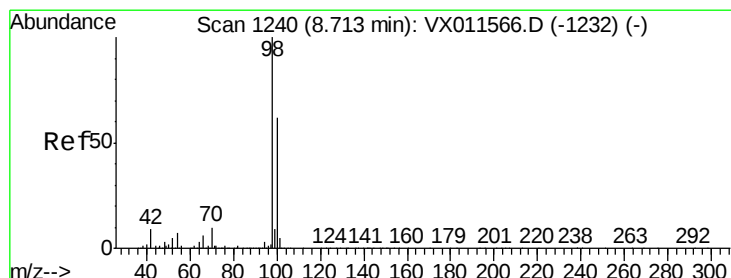


Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#50

Toluene-d8

Concen: 57.892 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011587.D

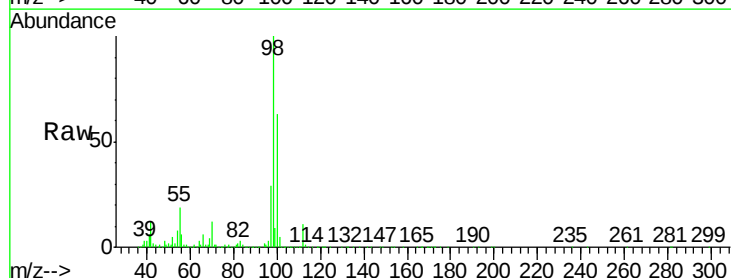
Acq: 16 Aug 2019 17:35

Tgt Ion: 98 Resp: 782051

Ion Ratio Lower Upper

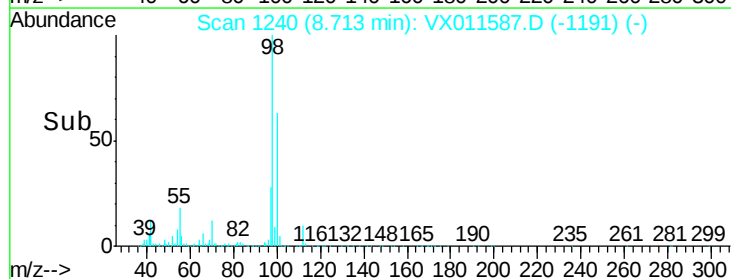
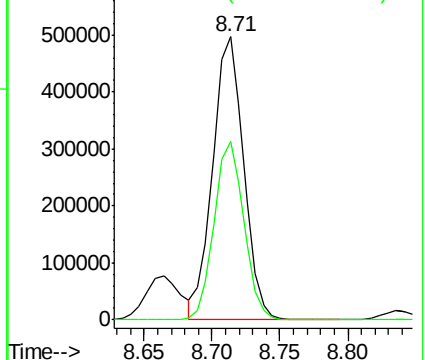
98 100

100 61.0 52.4 78.6

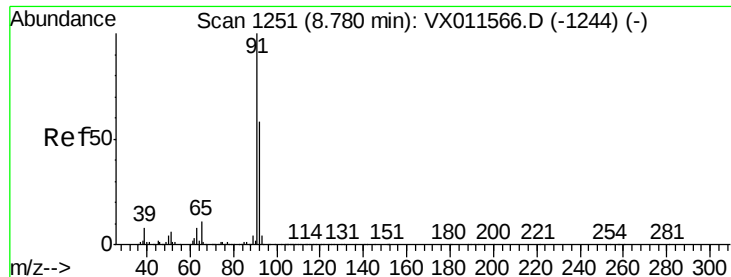


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->



#52

Toluene

Concen: 2.004 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampled :

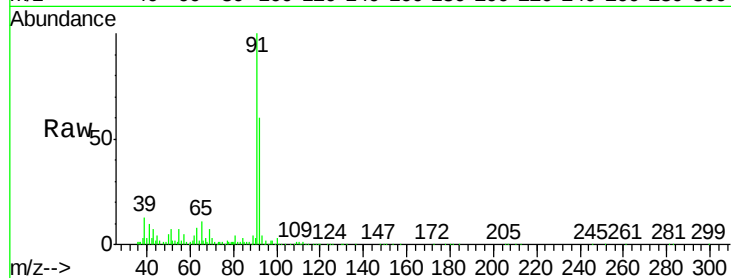
GW-1

Tot Ion: 92 Resp: 22487

Ion Ratio Lower Upper

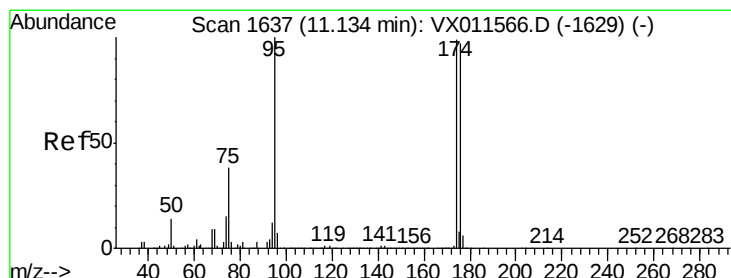
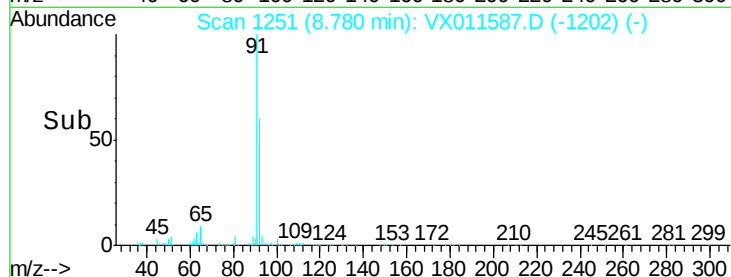
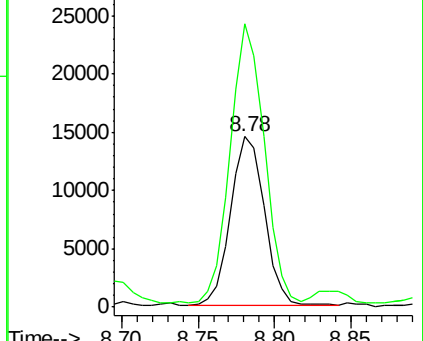
92 100

91 165.2 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 50.664 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

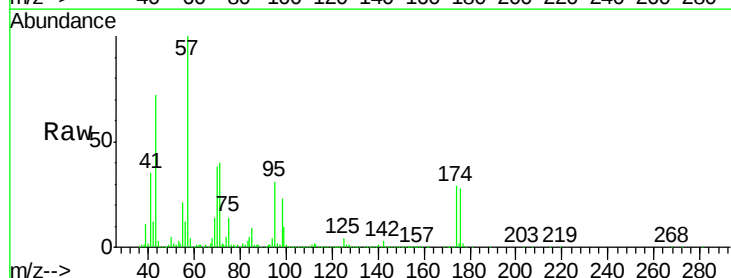
Tgt Ion: 95 Resp: 288876

Ion Ratio Lower Upper

95 100

174 91.4 0.0 200.6

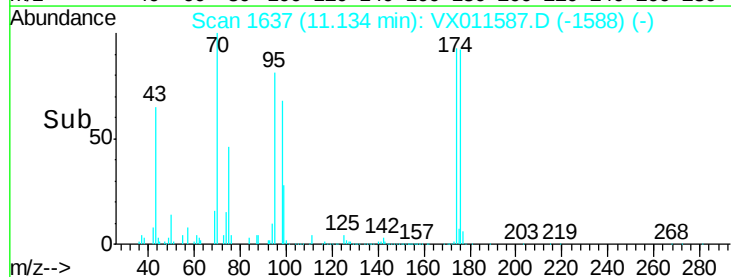
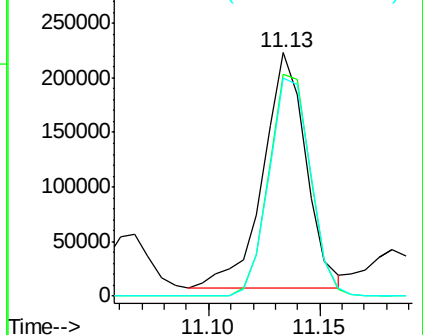
176 89.9 0.0 196.6

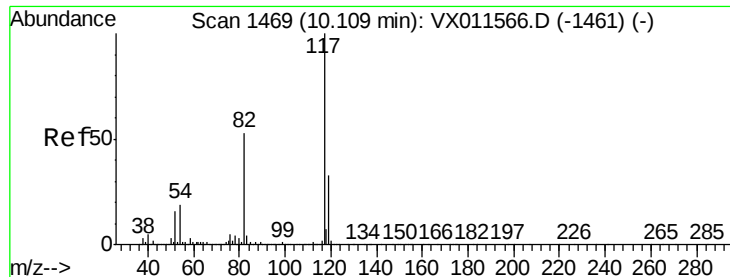


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

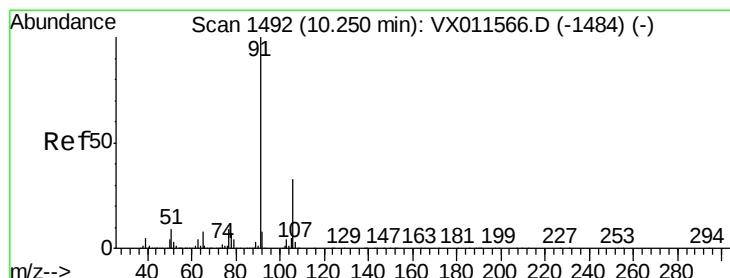
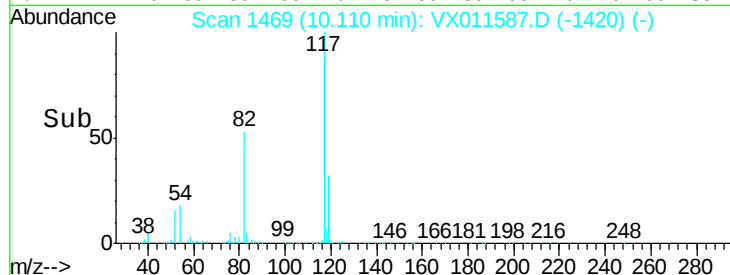
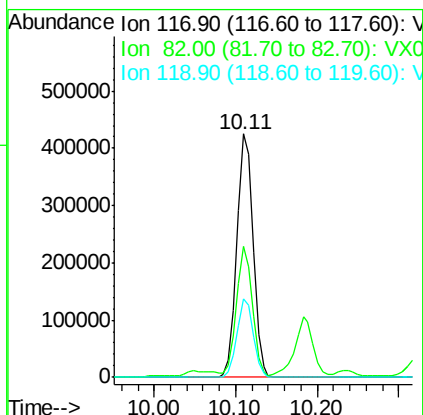
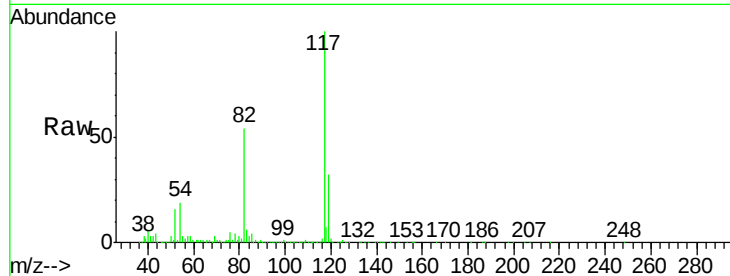




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011587.D
Acq: 16 Aug 2019 17:35

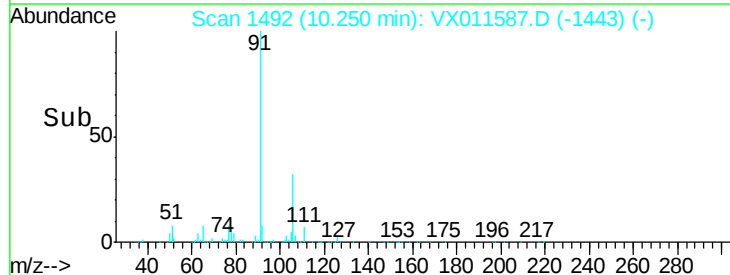
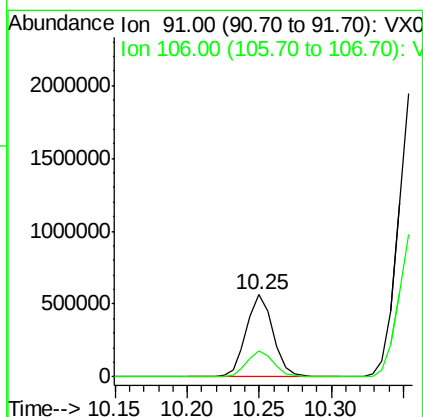
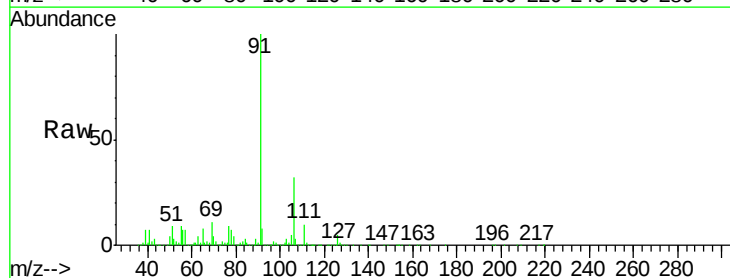
Instrument :
MSVOA_X
ClientSampled :
GW-1

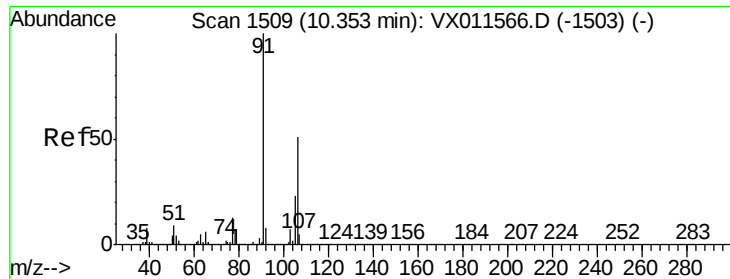
Tot Ion:117 Resp: 577083
Ion Ratio Lower Upper
117 100
82 51.7 42.0 63.0
119 32.4 26.5 39.7



#67
Ethyl Benzene
Concen: 35.207 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011587.D
Acq: 16 Aug 2019 17:35

Tgt Ion: 91 Resp: 723229
Ion Ratio Lower Upper
91 100
106 31.7 26.0 39.0

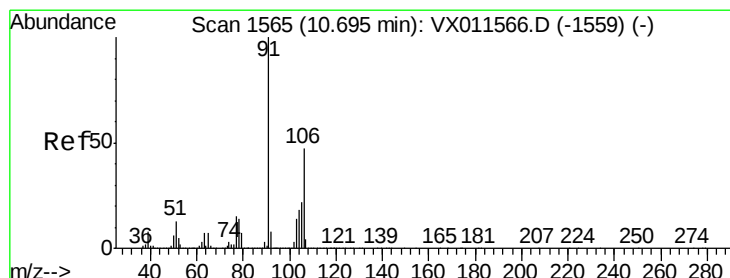
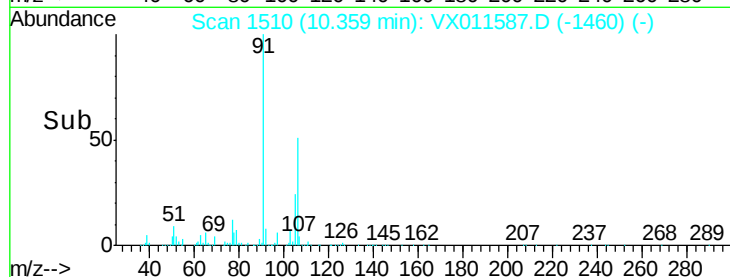
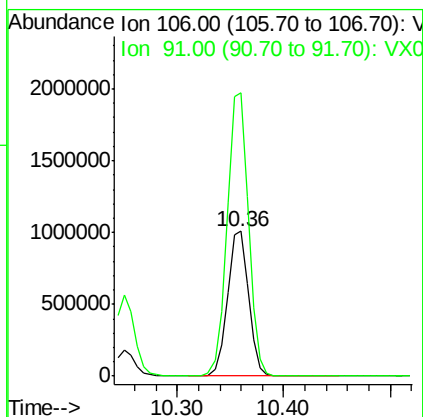
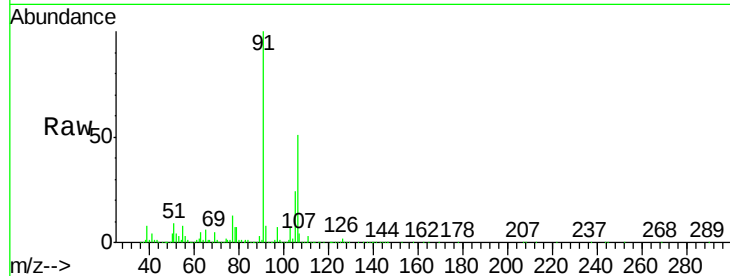




#68
m/p-Xylenes
Concen: 177.457 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VX011587.D
Acq: 16 Aug 2019 17:35

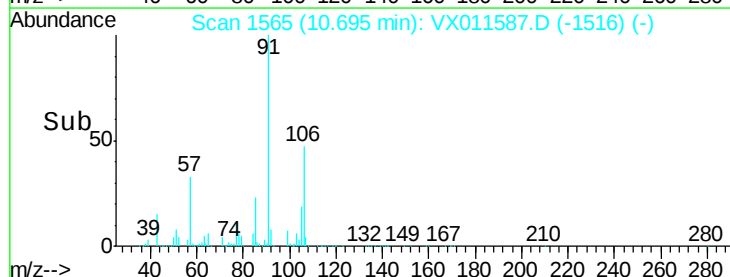
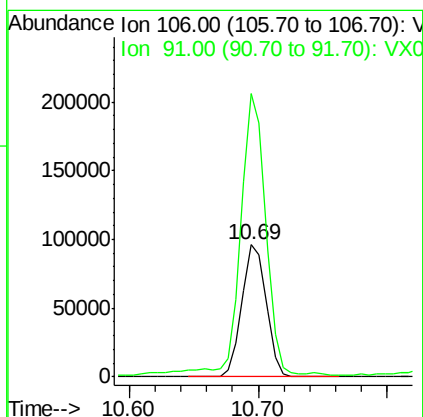
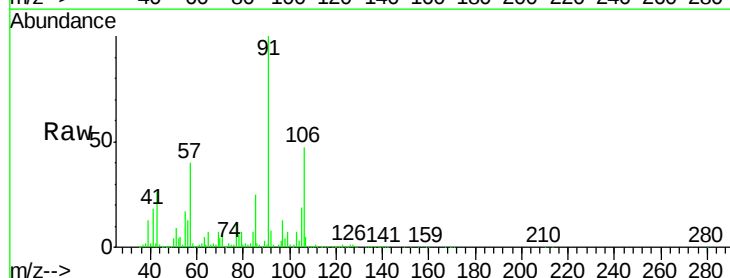
Instrument :
MSVOA_X
ClientSampled :
GW-1

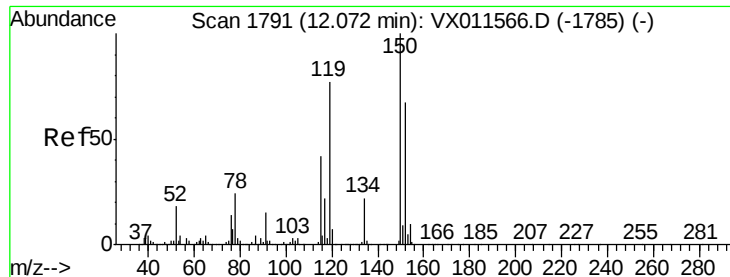
Tot Ion:106 Resp: 1399265
Ion Ratio Lower Upper
106 100
91 197.7 156.0 234.0



#69
o-Xylene
Concen: 16.221 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011587.D
Acq: 16 Aug 2019 17:35

Tgt Ion:106 Resp: 125289
Ion Ratio Lower Upper
106 100
91 225.8 105.5 316.4



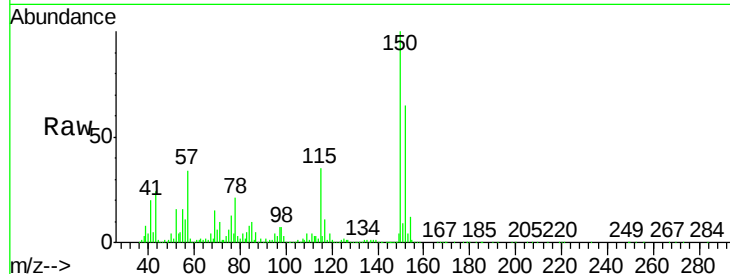


#72

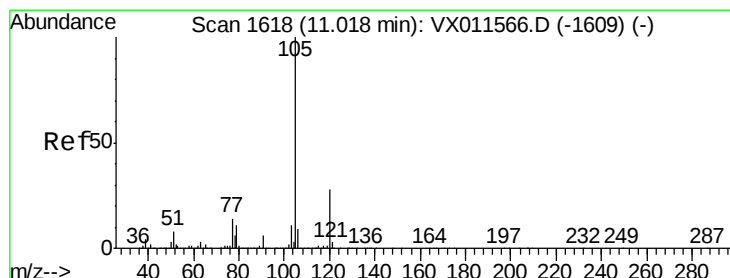
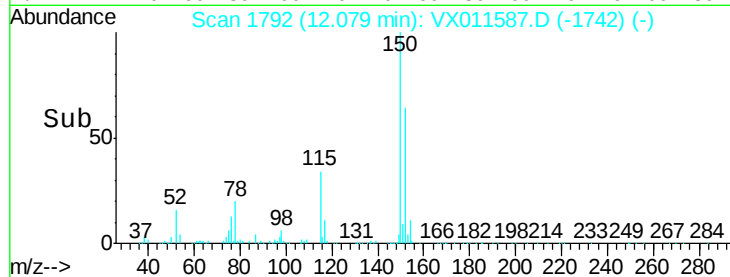
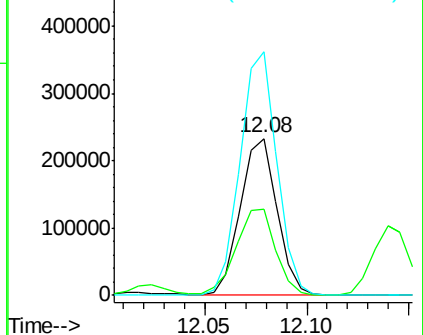
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX011587.D
Acq: 16 Aug 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
GW-1

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.0	37.3	111.9
150	155.9	0.0	346.2



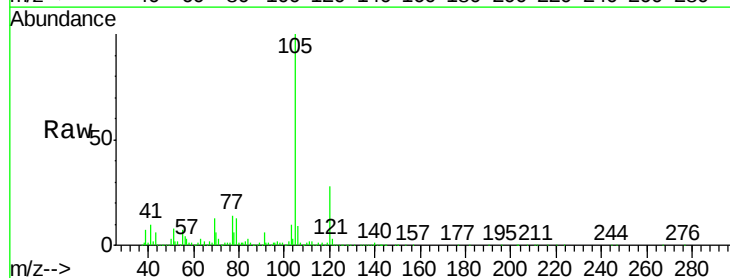
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



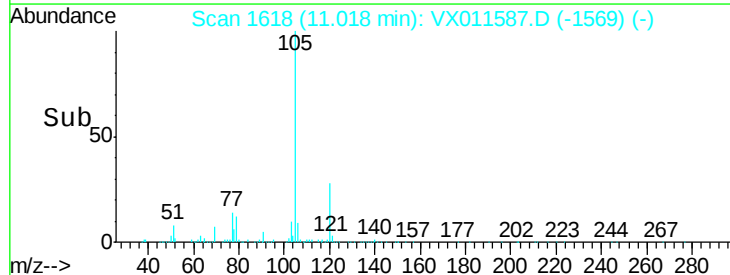
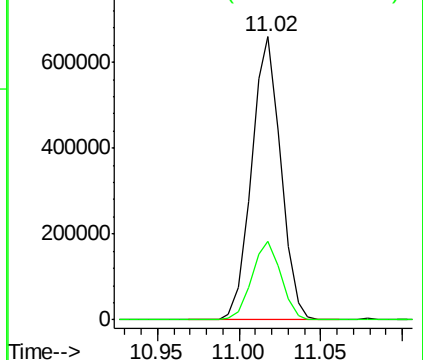
#73

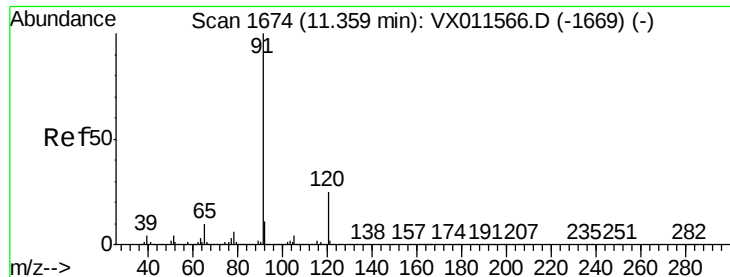
Isopropylbenzene
Concen: 43.625 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX011587.D
Acq: 16 Aug 2019 17:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.9	14.0	41.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 55.964 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampled :

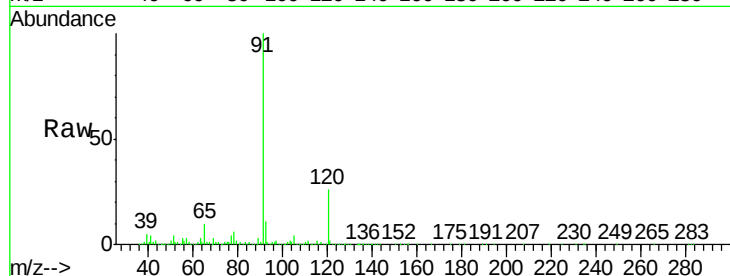
GW-1

Tot Ion: 91 Resp: 1136296

Ion Ratio Lower Upper

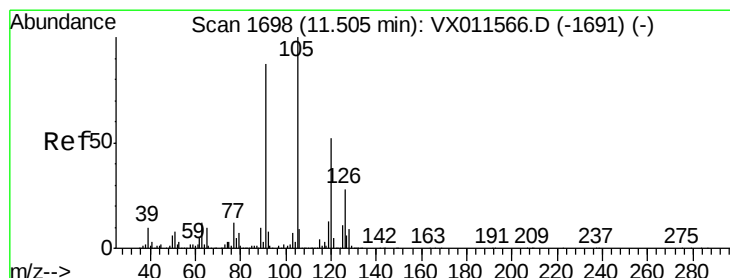
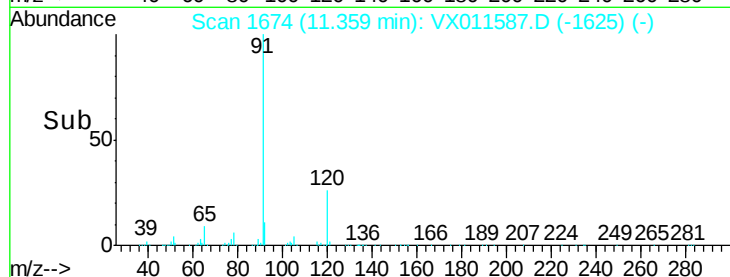
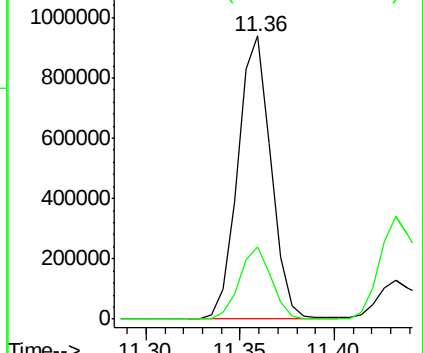
91 100

120 24.8 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 180.405 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011587.D

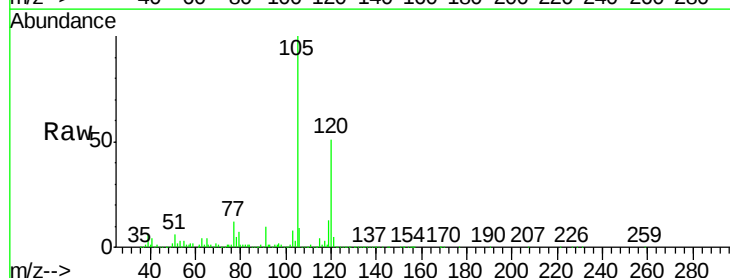
Acq: 16 Aug 2019 17:35

Tgt Ion:105 Resp: 2853577

Ion Ratio Lower Upper

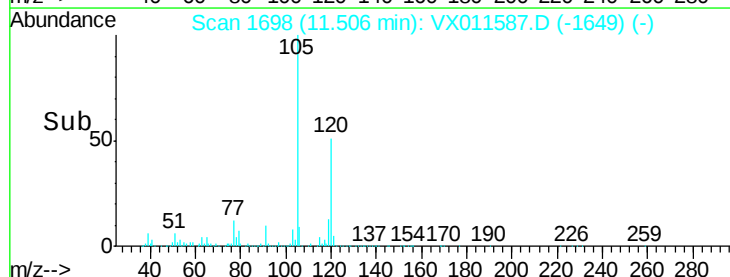
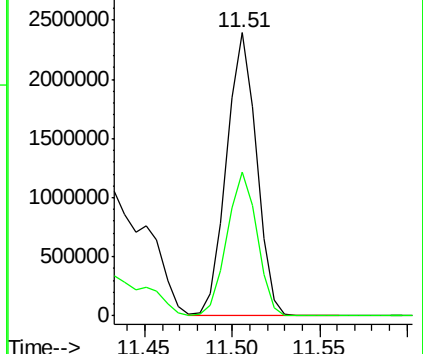
105 100

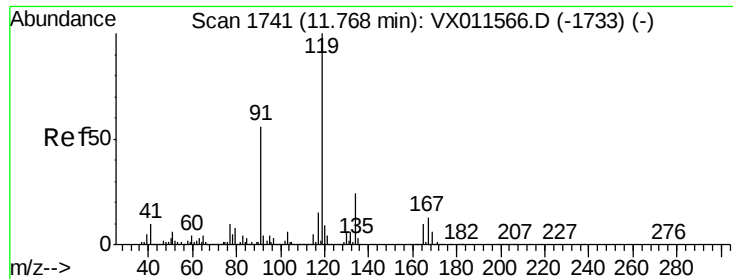
120 50.9 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

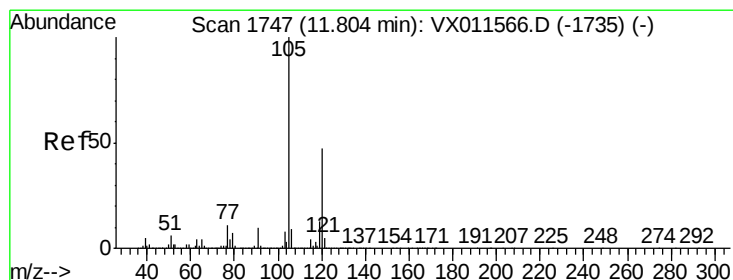
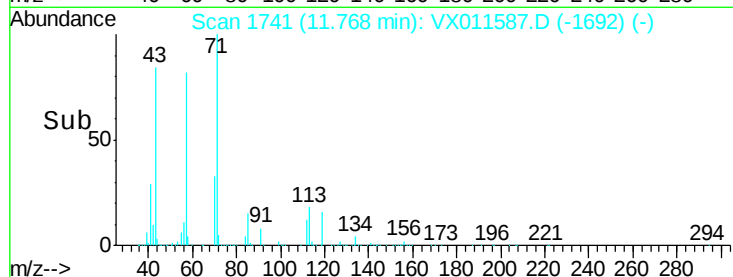
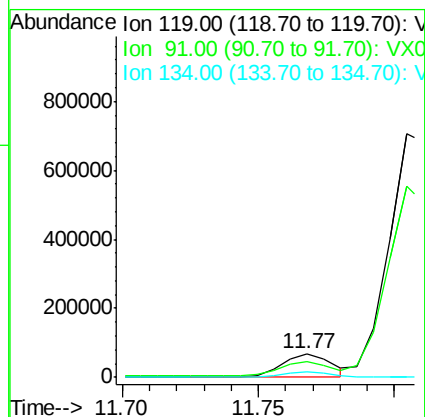
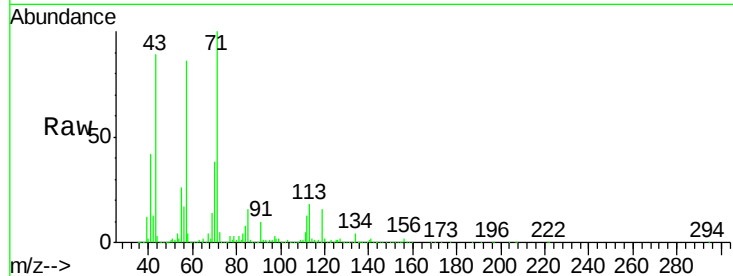




#83
tert-Butylbenzene
Concen: 5.167 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011587.D
Acq: 16 Aug 2019 17:35

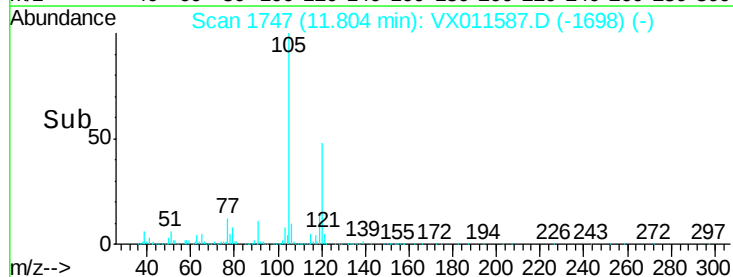
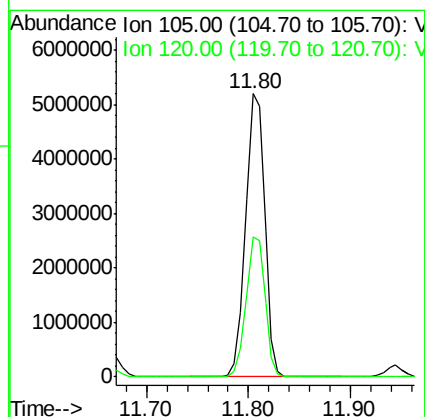
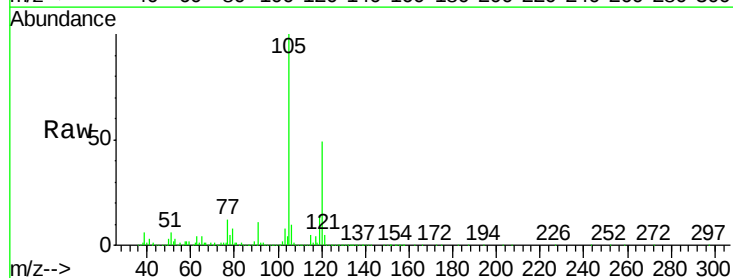
Instrument :
MSVOA_X
ClientSampleId :
GW-1

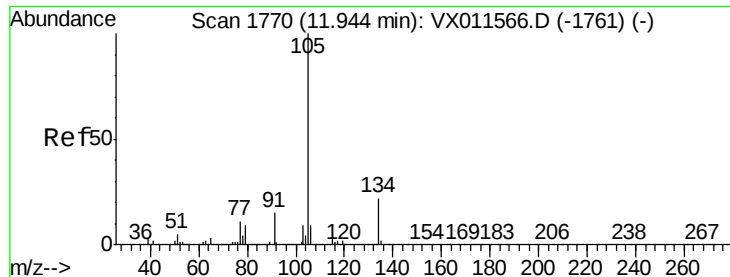
Tot Ion:119 Resp: 83240
Ion Ratio Lower Upper
119 100
91 61.2 27.1 81.3
134 25.6 11.8 35.3



#84
1,2,4-Trimethylbenzene
Concen: 423.846 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011587.D
Acq: 16 Aug 2019 17:35

Tgt Ion:105 Resp: 6730554
Ion Ratio Lower Upper
105 100
120 49.0 23.3 69.9

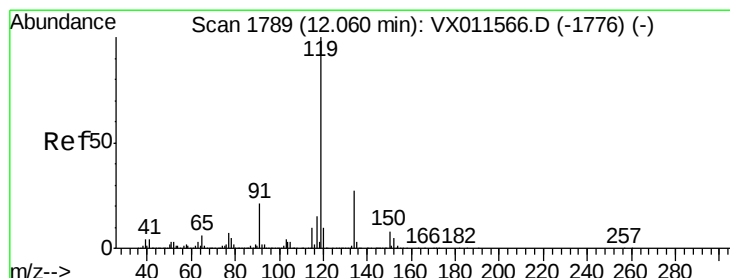
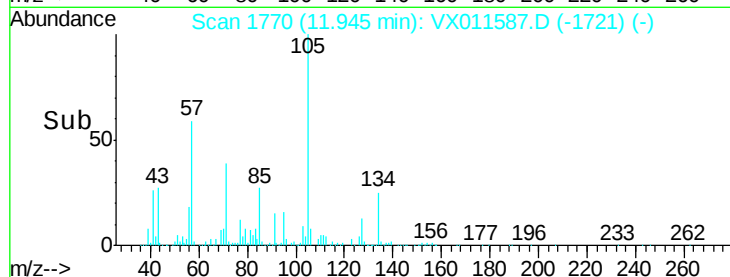
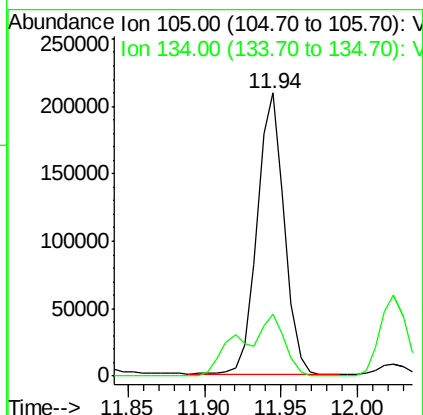
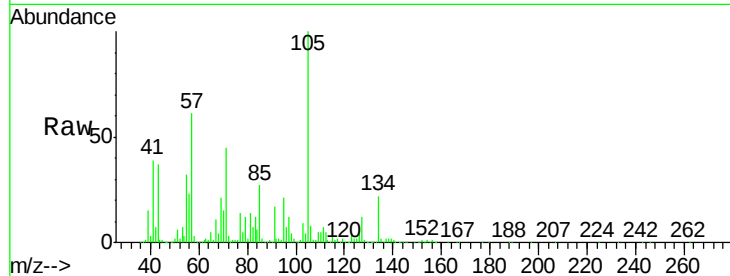




#85
 sec-Butylbenzene
 Concen: 14.209 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX011587.D
 Acq: 16 Aug 2019 17:35

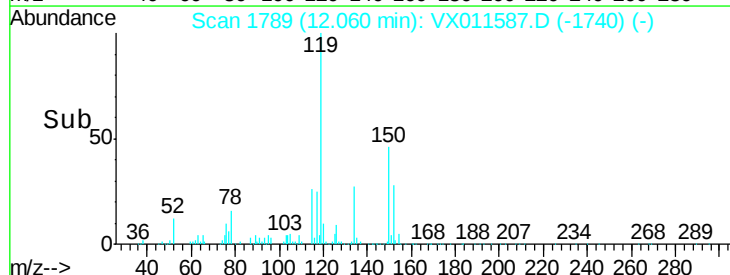
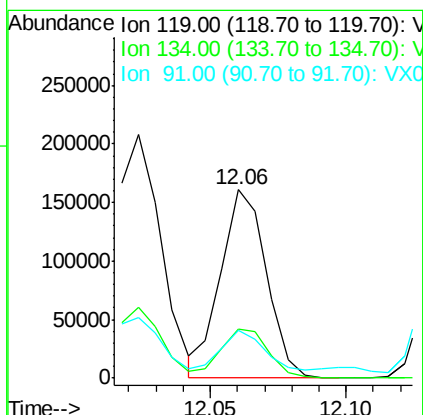
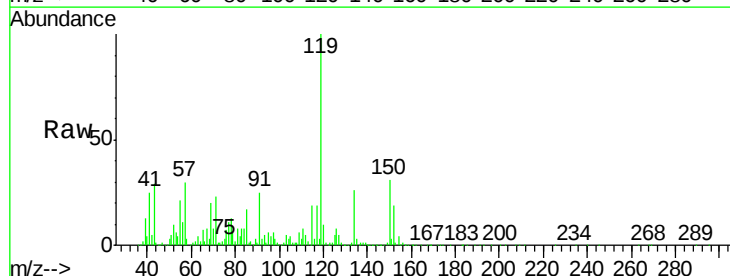
Instrument :
 MSVOA_X
 ClientSampleID :
 GW-1

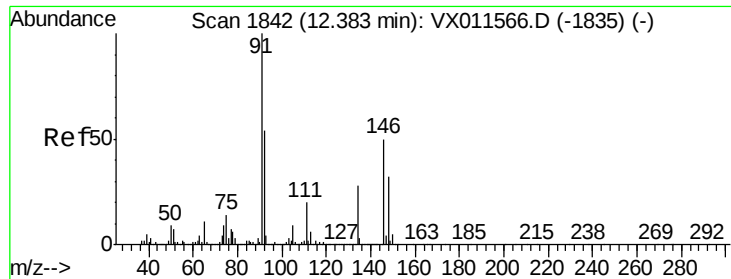
Tot Ion:105 Resp: 258261
 Ion Ratio Lower Upper
 105 100
 134 18.8 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 10.887 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX011587.D
 Acq: 16 Aug 2019 17:35

Tgt Ion:119 Resp: 186152
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.6 40.8
 91 19.6 10.9 32.9





#89

n-Butylbenzene

Concen: 19.671 ug/l

RT: 12.37 min Scan# 1840

Delta R.T. -0.01 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

GW-1

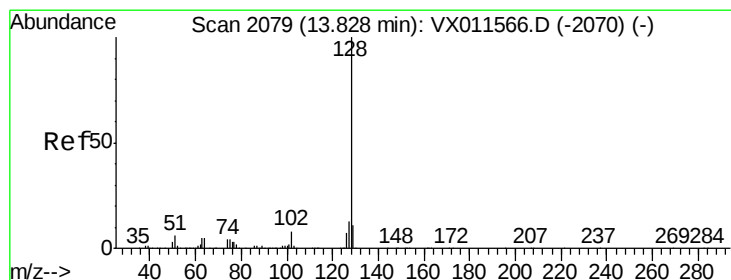
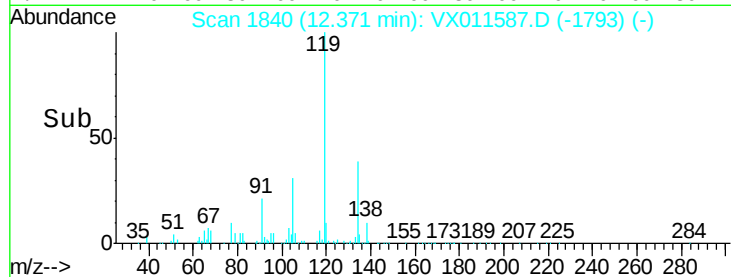
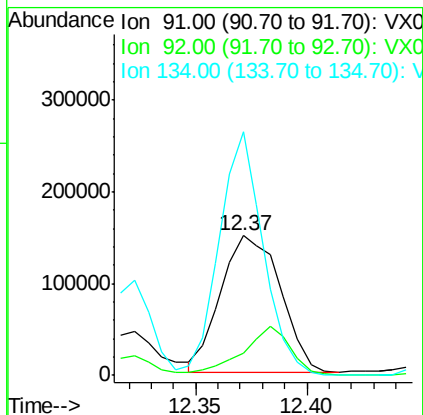
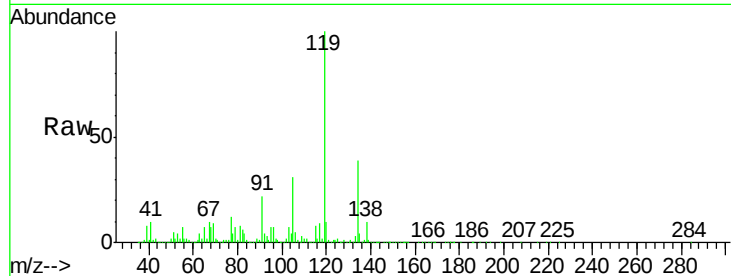
Tot Ion: 91 Resp: 276534

Ion Ratio Lower Upper

91 100

92 28.8 26.8 80.3

134 131.6 14.6 44.0#



#95

Naphthalene

Concen: 318.400 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX011587.D

Acq: 16 Aug 2019 17:35

Tgt Ion: 128 Resp: 6482992

Ion Ratio Lower Upper

128 100

127 13.7 10.3 15.5

129 11.8 8.7 13.1

