

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081919\
 Data File : VX011627.D
 Acq On : 19 Aug 2019 13:21
 Operator : JC/SP
 Sample : K4351-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0145

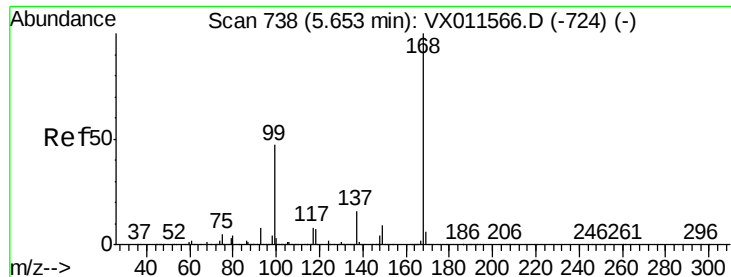
Quant Time: Aug 20 10:35:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	447596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	617155	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	546741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	280194	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	208195	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
35) Dibromofluoromethane	5.49	113	180379	44.69	ug/l	0.00
Spiked Amount			Recovery	=	89.38%	
50) Toluene-d8	8.71	98	697370	55.45	ug/l	0.00
Spiked Amount			Recovery	=	110.90%	
62) 4-Bromofluorobenzene	11.13	95	249647	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.58	56	7428	1.207	ug/l	87
39) Methylcyclohexane	7.46	83	11429	1.754	ug/l	95
52) Toluene	8.78	92	10898	1.043	ug/l	99
67) Ethyl Benzene	10.25	91	83223	4.276	ug/l	100
68) m/p-Xylenes	10.35	106	120594	16.143	ug/l	96
69) o-Xylene	10.69	106	13669	1.868	ug/l	95
73) Isopropylbenzene	11.02	105	6351	0.349	ug/l	96
78) n-propylbenzene	11.36	91	7126	0.363	ug/l	91
80) 1,3,5-Trimethylbenzene	11.51	105	7562	0.495	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	19242	1.255	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011627.D

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Instrument :

MSVOA_X

ClientSampleId :

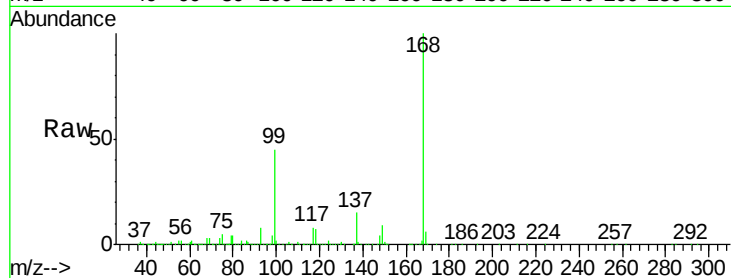
PH2-0145

Tot Ion:168 Resp: 447596

Ion Ratio Lower Upper

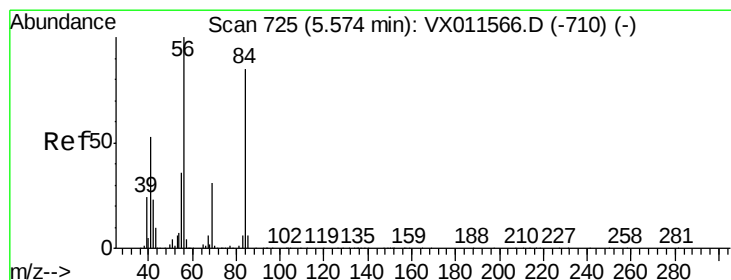
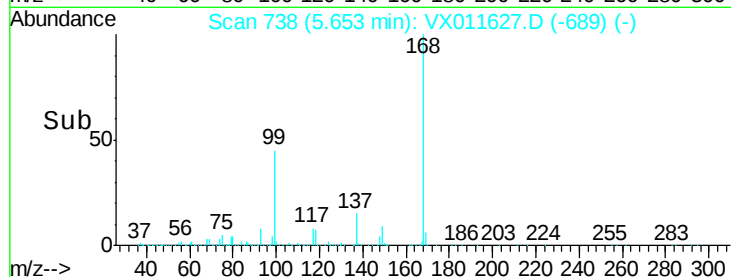
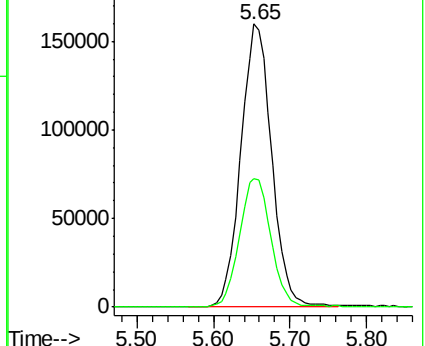
168 100

99 45.1 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 1.207 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX011627.D

Acq: 19 Aug 2019 13:21

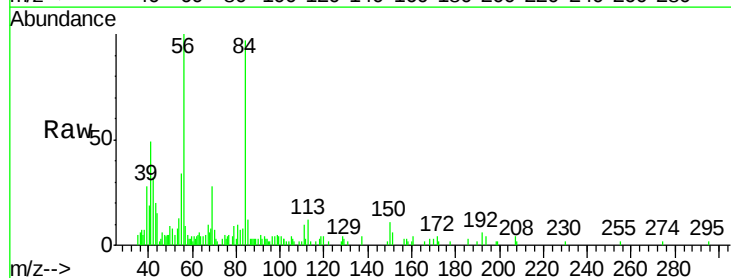
Tgt Ion: 56 Resp: 7428

Ion Ratio Lower Upper

56 100

69 26.9 24.8 37.2

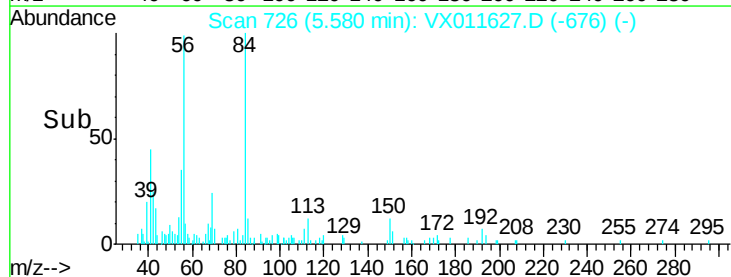
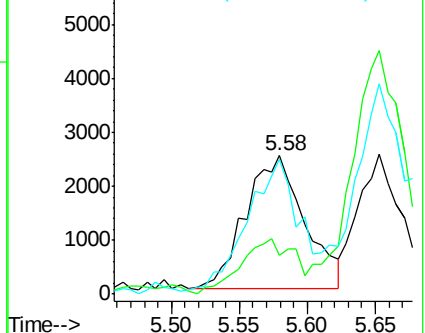
84 98.2 67.9 101.9

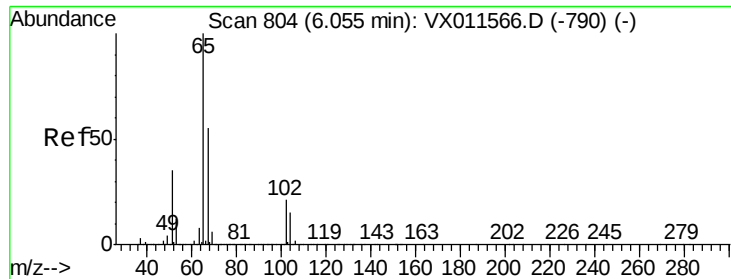


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.157 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011627.D

Acq: 19 Aug 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

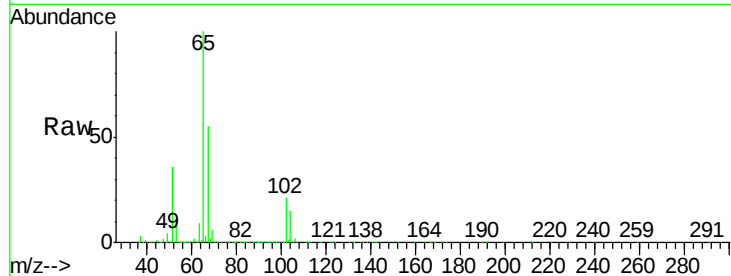
PH2-0145

Tot Ion: 65 Resp: 208195

Ion Ratio Lower Upper

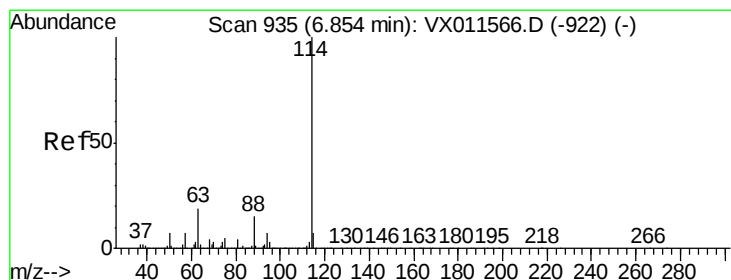
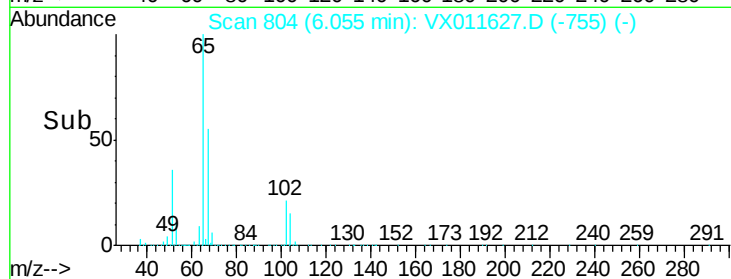
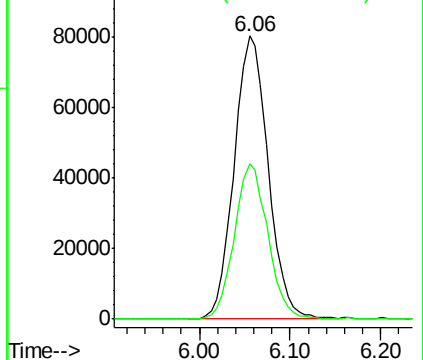
65 100

67 53.8 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: VX011627.D

Acq: 19 Aug 2019 13:21

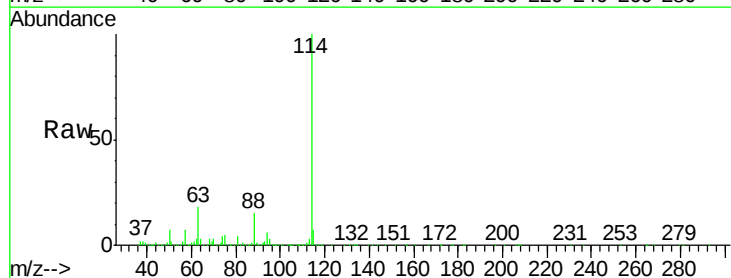
Tgt Ion: 114 Resp: 617155

Ion Ratio Lower Upper

114 100

63 18.2 0.0 37.8

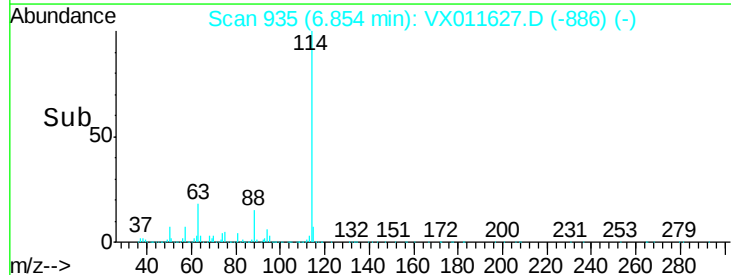
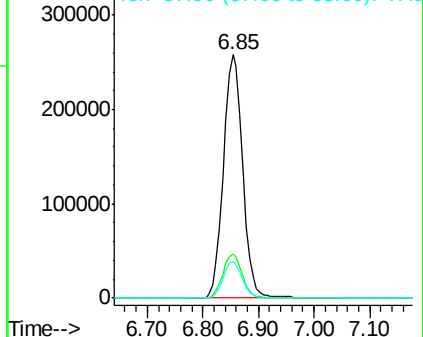
88 14.7 0.0 30.2

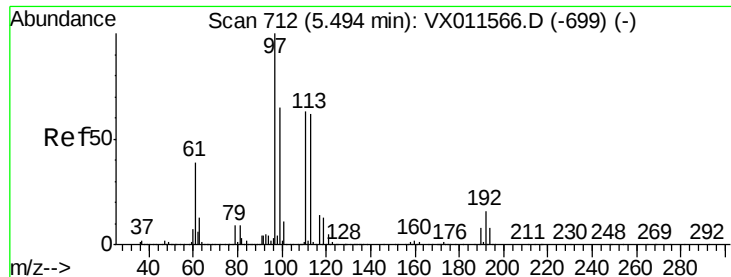


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 44.686 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011627.D

Acq: 19 Aug 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

PH2-0145

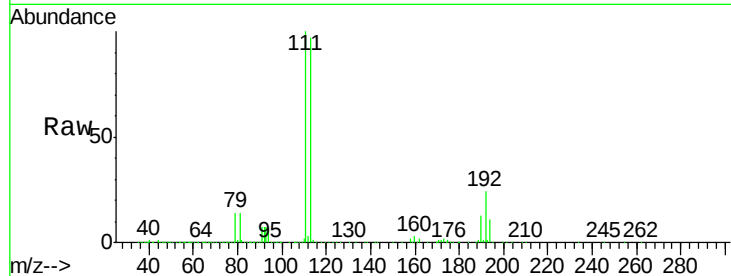
Tot Ion:113 Resp: 180379

Ion Ratio Lower Upper

113 100

111 102.6 81.1 121.7

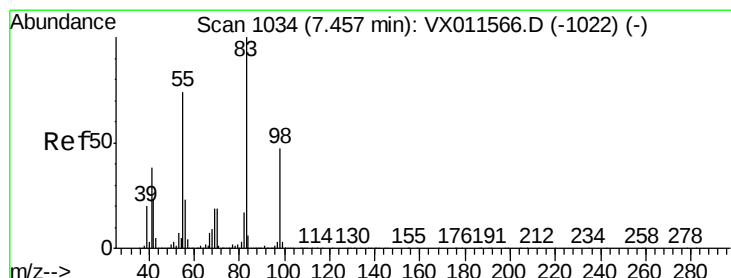
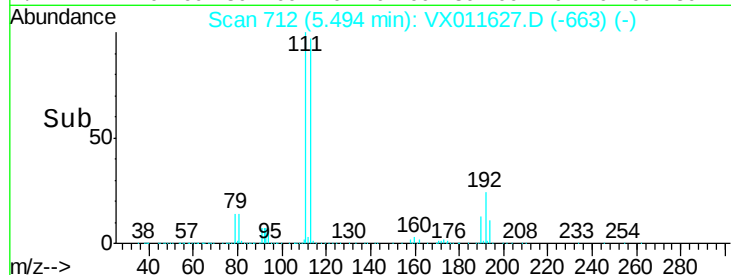
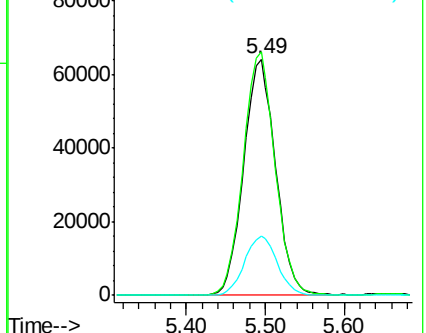
192 25.8 20.8 31.2



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: 1.754 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX011627.D

Acq: 19 Aug 2019 13:21

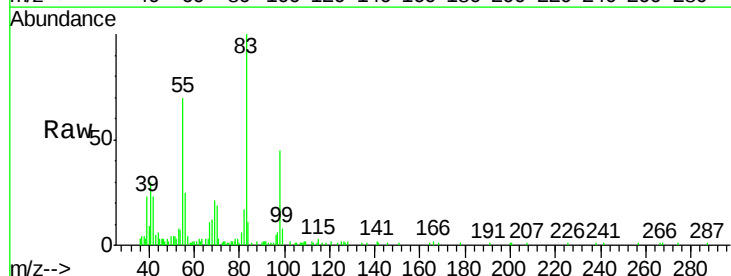
Tgt Ion: 83 Resp: 11429

Ion Ratio Lower Upper

83 100

55 67.8 58.8 88.2

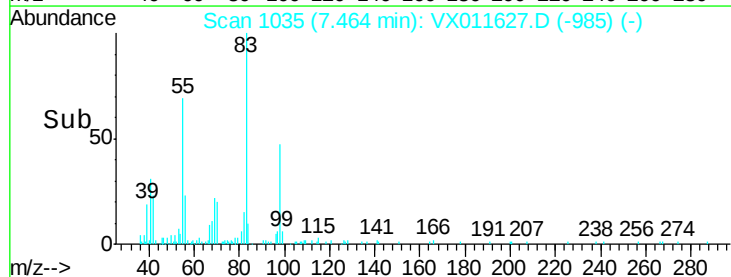
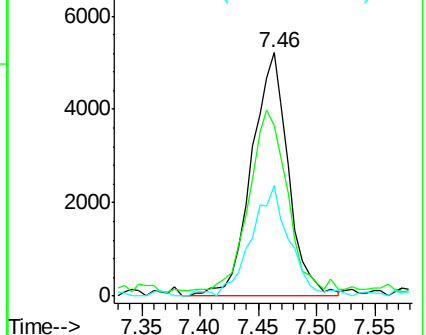
98 45.5 37.8 56.6

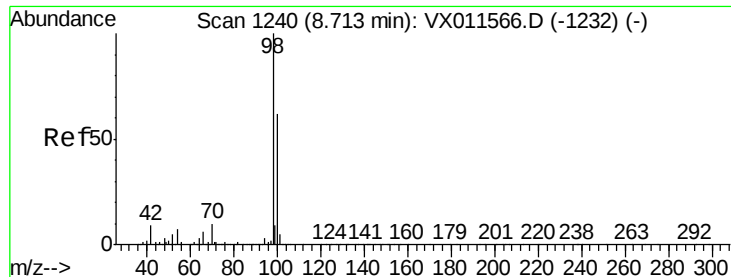


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

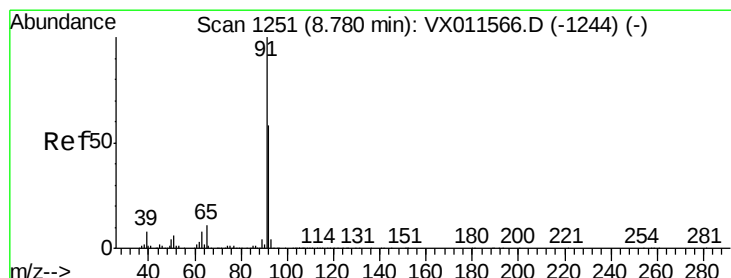
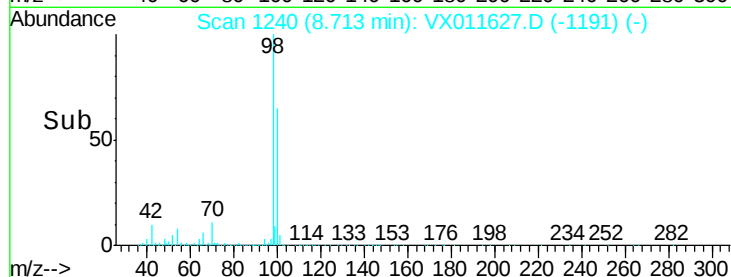
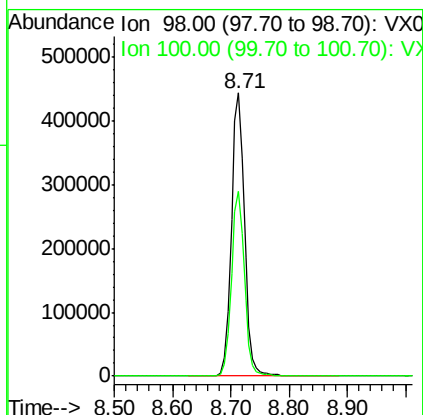
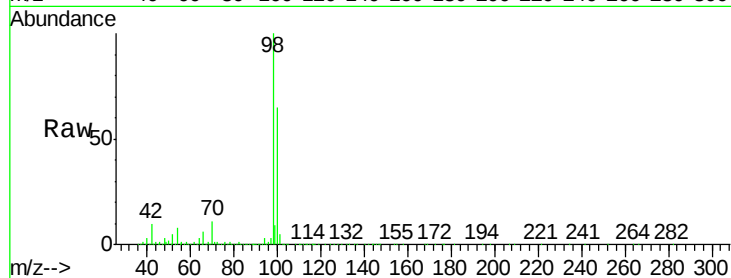




#50
Toluene-d8
Concen: 55.446 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011627.D
Acq: 19 Aug 2019 13:21

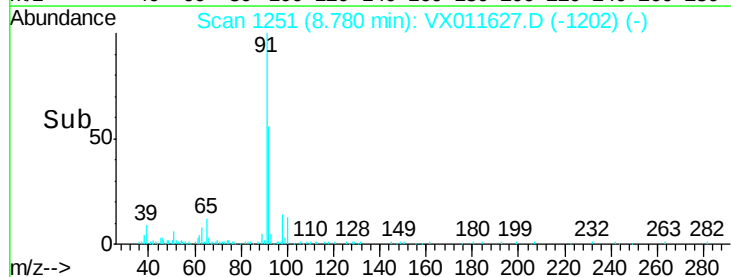
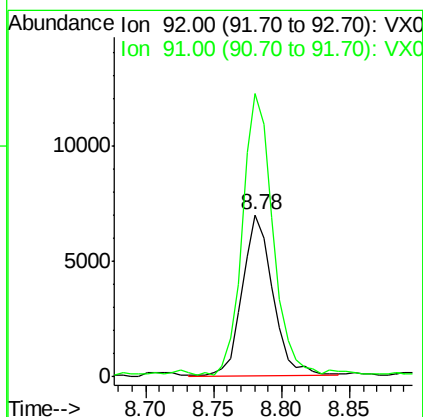
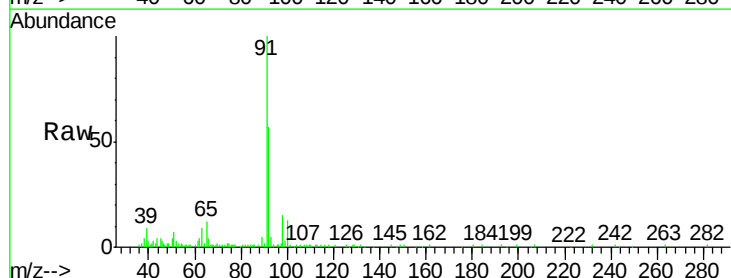
Instrument :
MSVOA_X
ClientSampleId :
PH2-0145

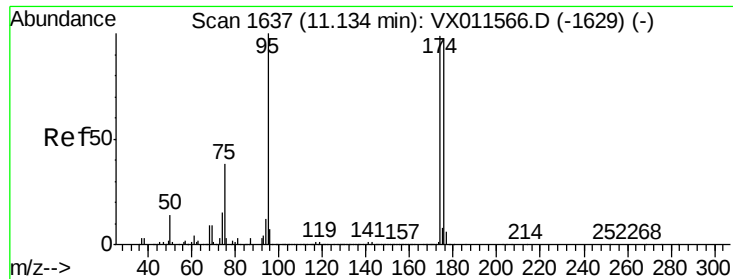
Tot Ion: 98 Resp: 697370
Ion Ratio Lower Upper
98 100
100 64.9 52.4 78.6



#52
Toluene
Concen: 1.043 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011627.D
Acq: 19 Aug 2019 13:21

Tgt Ion: 92 Resp: 10898
Ion Ratio Lower Upper
92 100
91 173.8 138.0 207.0





#62

4-Bromofluorobenzene

Concen: 47.026 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011627.D

Acq: 19 Aug 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

PH2-0145

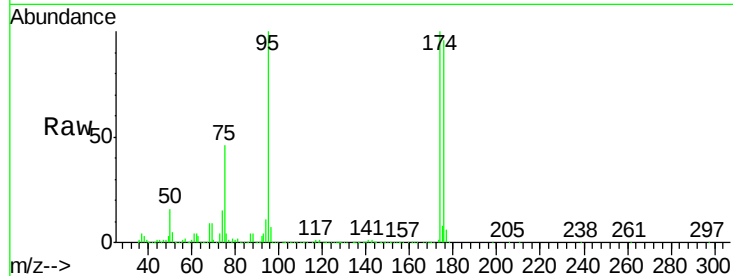
Tot Ion: 95 Resp: 249647

Ion Ratio Lower Upper

95 100

174 99.9 0.0 200.6

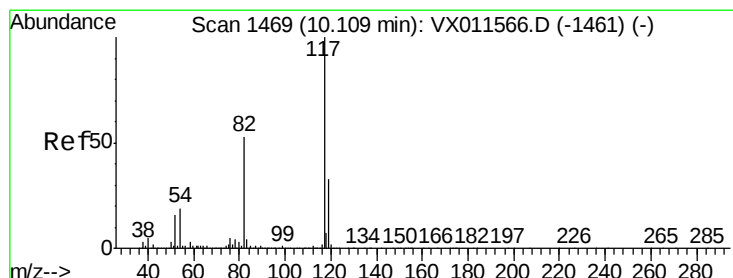
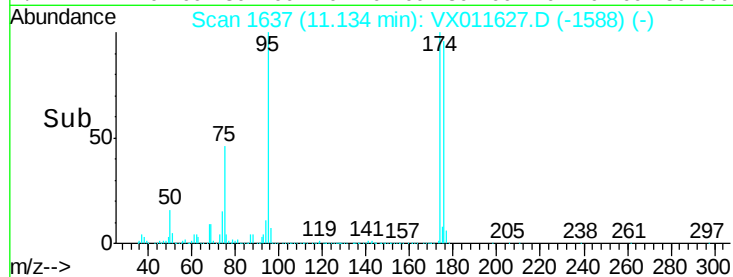
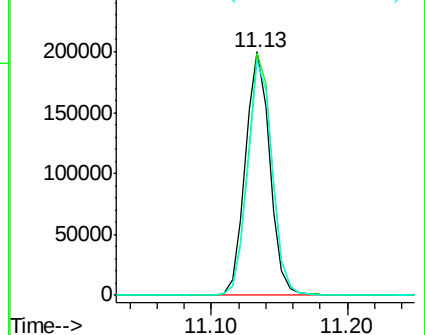
176 97.1 0.0 196.6



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: VX011627.D

Acq: 19 Aug 2019 13:21

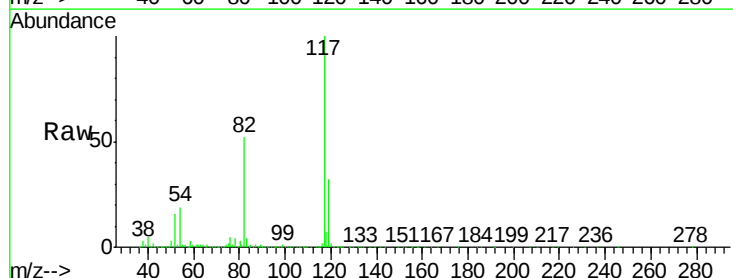
Tgt Ion: 117 Resp: 546741

Ion Ratio Lower Upper

117 100

82 51.6 42.0 63.0

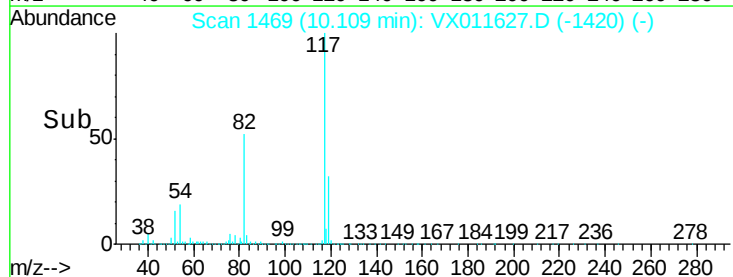
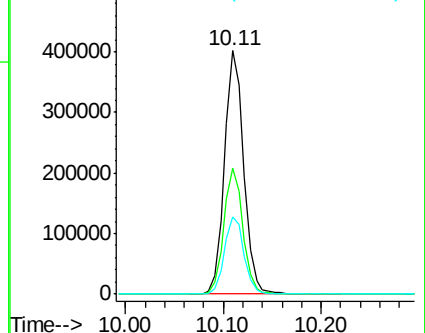
119 31.8 26.5 39.7

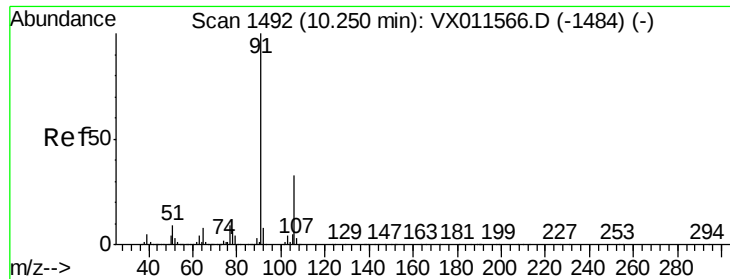


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 4.276 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011627.D

Acq: 19 Aug 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

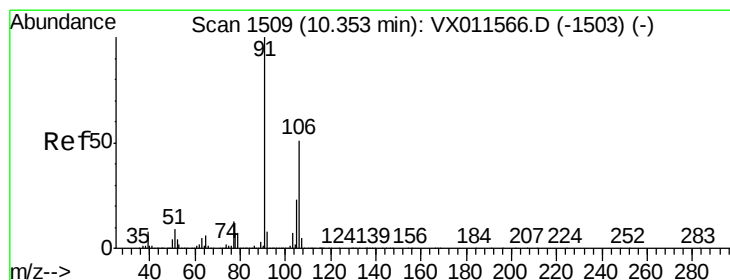
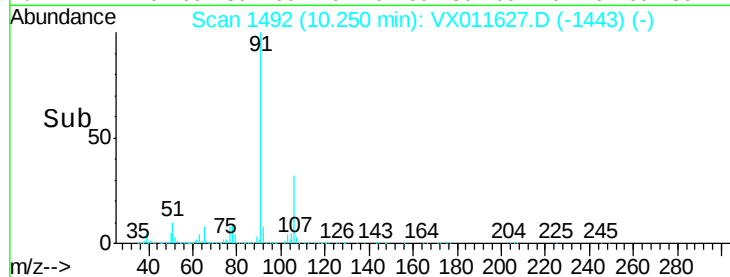
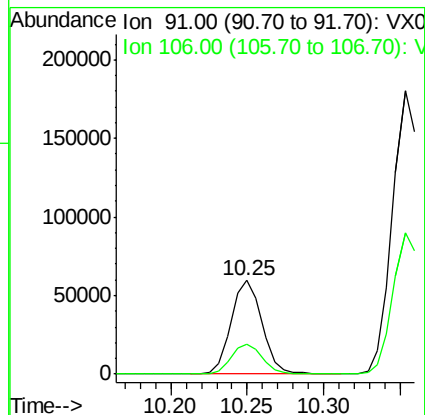
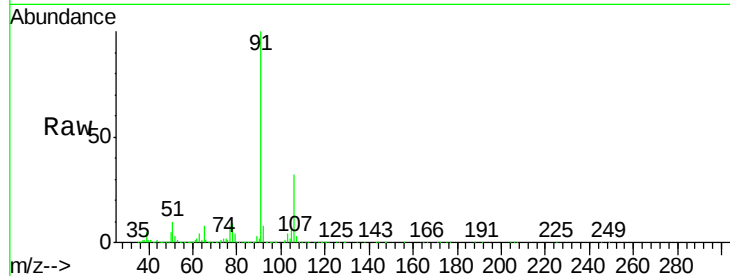
PH2-0145

Tot Ion: 91 Resp: 83223

Ion Ratio Lower Upper

91 100

106 32.2 26.0 39.0



#68

m/p-Xylenes

Concen: 16.143 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011627.D

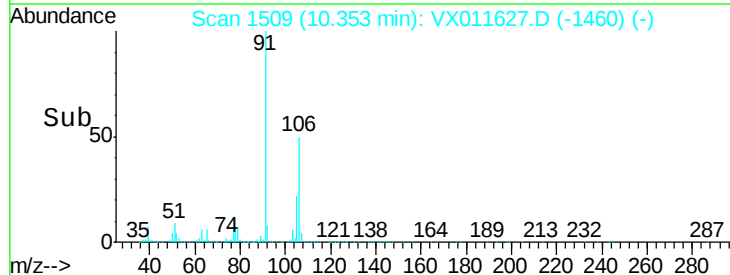
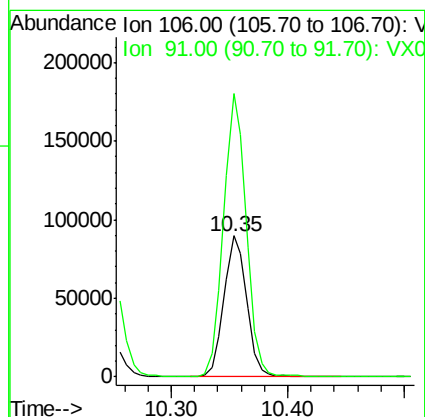
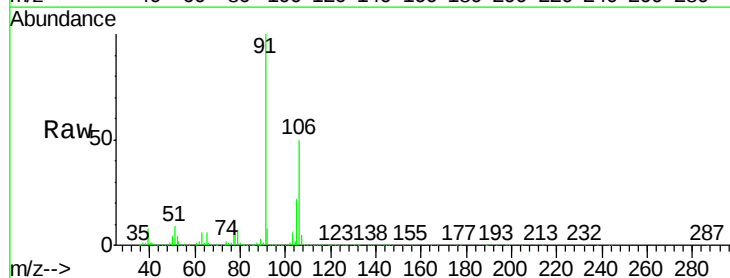
Acq: 19 Aug 2019 13:21

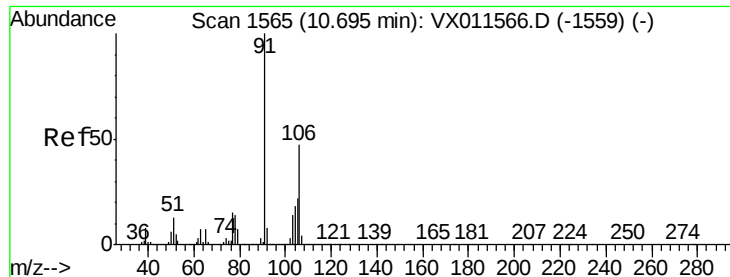
Tgt Ion: 106 Resp: 120594

Ion Ratio Lower Upper

106 100

91 200.4 156.0 234.0

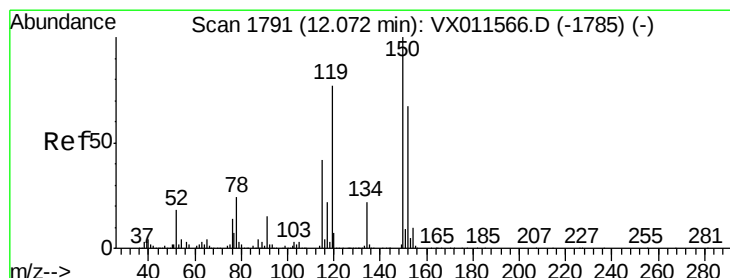
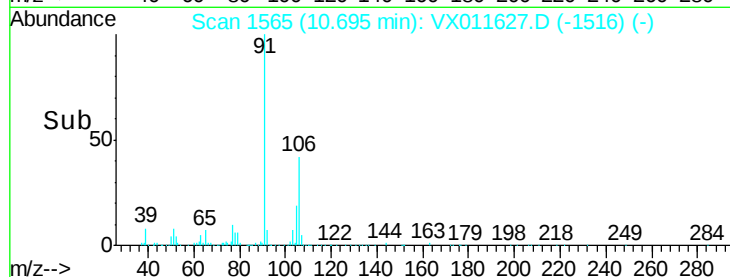
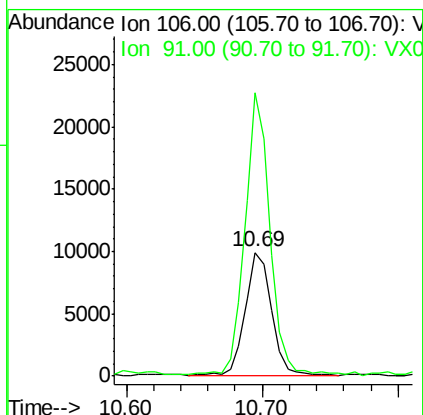
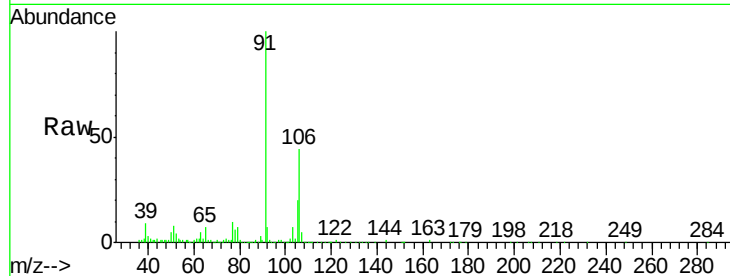




#69
o-Xylene
Concen: 1.868 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011627.D
Acq: 19 Aug 2019 13:21

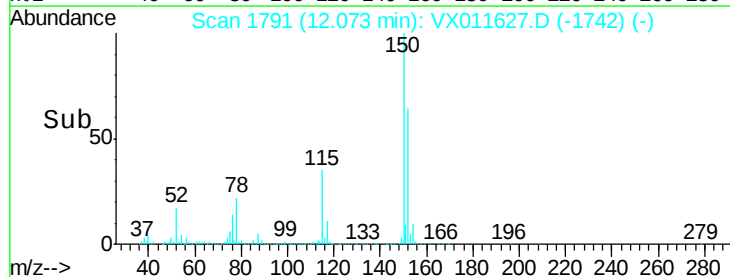
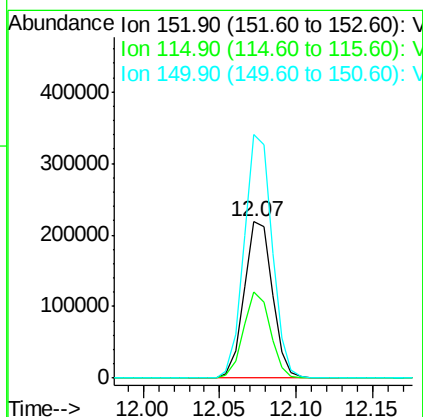
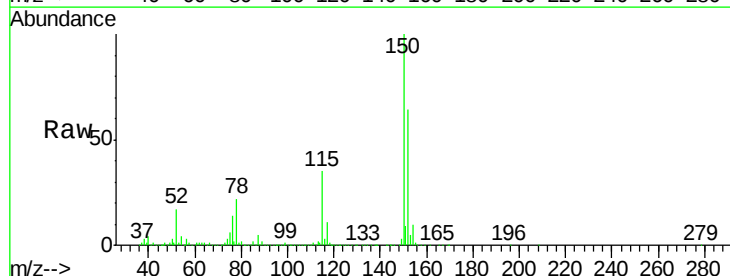
Instrument :
MSVOA_X
ClientSampled :
PH2-0145

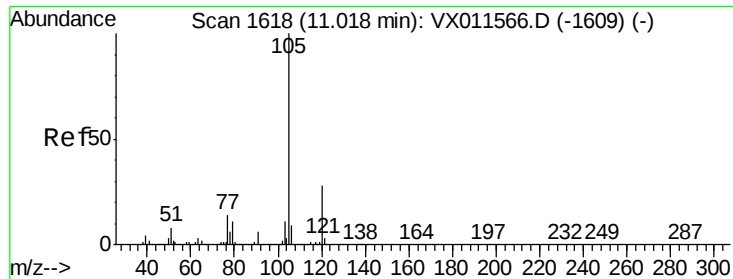
Tot Ion:106 Resp: 13669
Ion Ratio Lower Upper
106 100
91 218.2 105.5 316.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011627.D
Acq: 19 Aug 2019 13:21

Tgt Ion:152 Resp: 280194
Ion Ratio Lower Upper
152 100
115 52.5 37.3 111.9
150 154.9 0.0 346.2





#73

Isopropylbenzene

Concen: 0.349 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011627.D

Acq: 19 Aug 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

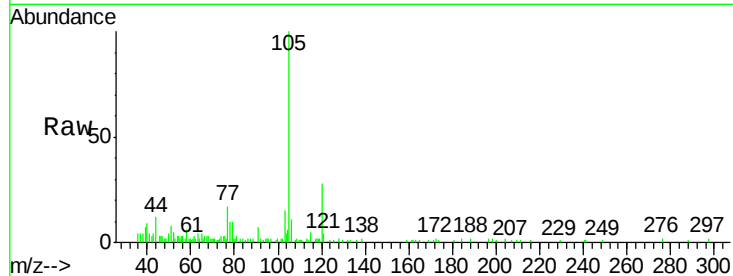
PH2-0145

Tot Ion:105 Resp: 6351

Ion Ratio Lower Upper

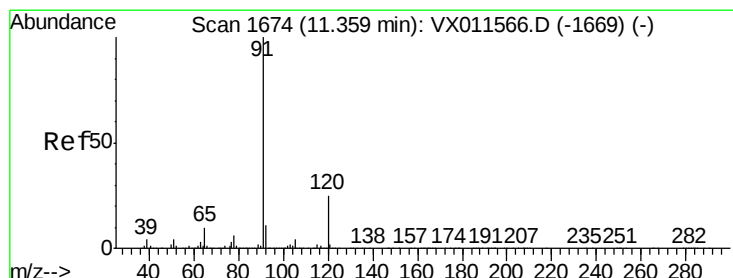
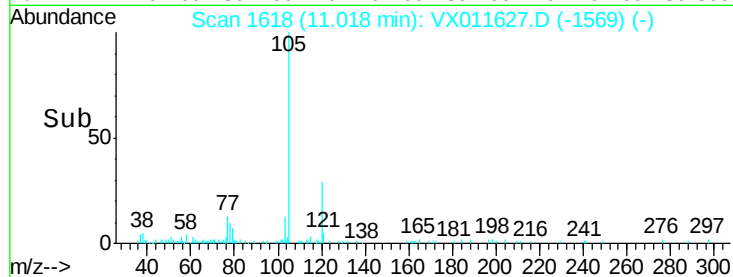
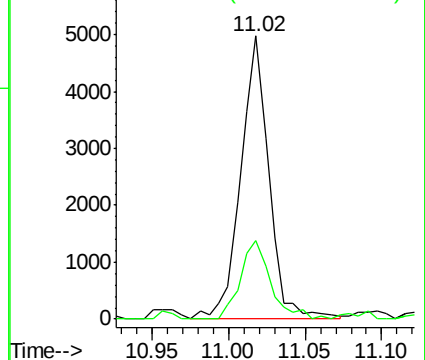
105 100

120 29.8 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: 0.363 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011627.D

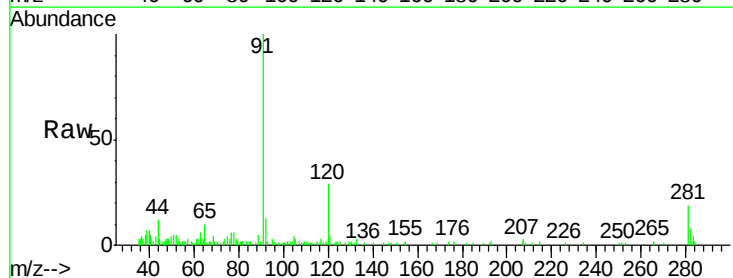
Acq: 19 Aug 2019 13:21

Tgt Ion: 91 Resp: 7126

Ion Ratio Lower Upper

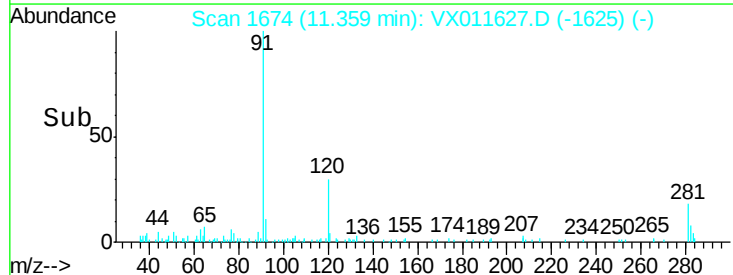
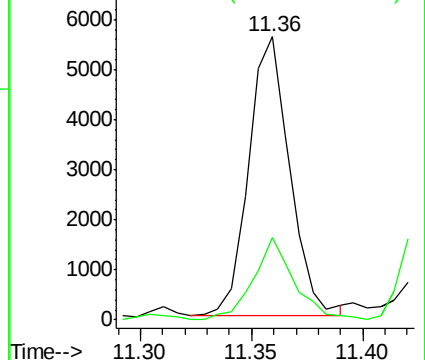
91 100

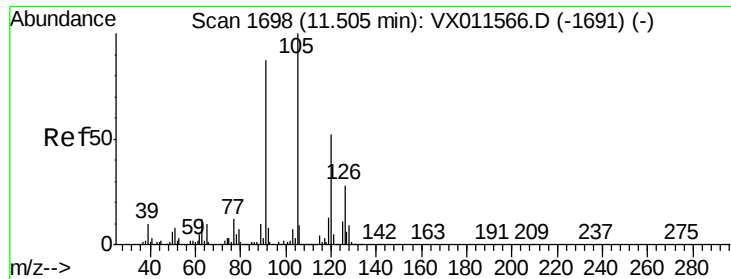
120 29.6 12.6 37.6



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: 0.495 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011627.D

Acq: 19 Aug 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

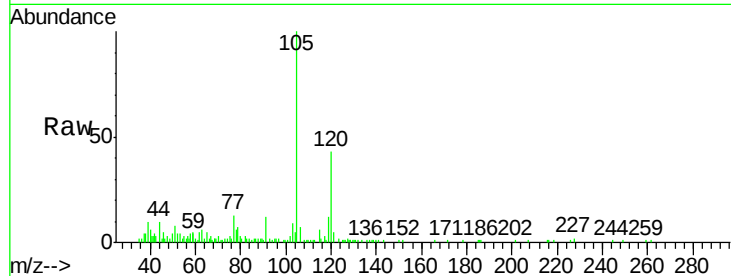
PH2-0145

Tot Ion:105 Resp: 7562

Ion Ratio Lower Upper

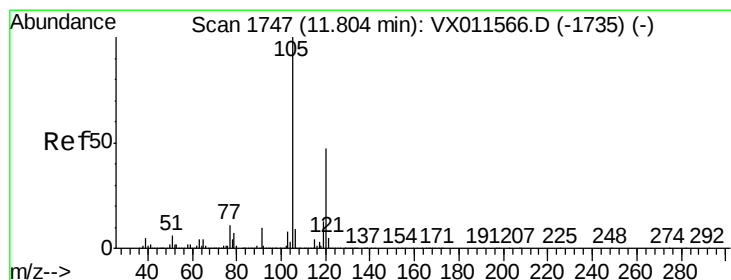
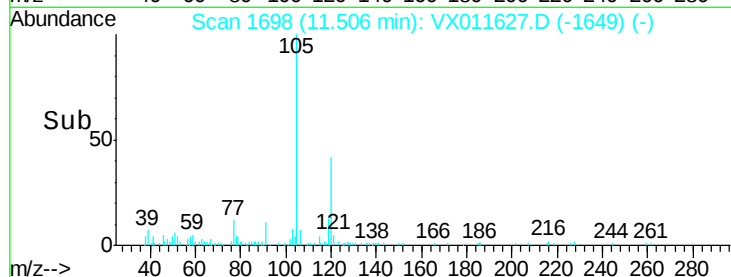
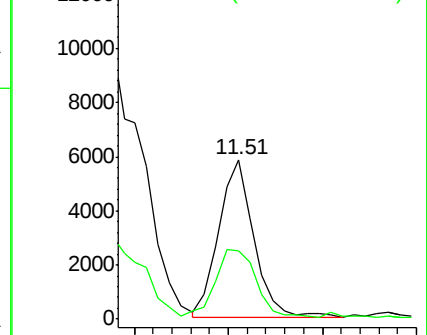
105 100

120 49.5 25.3 75.8



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: 1.255 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011627.D

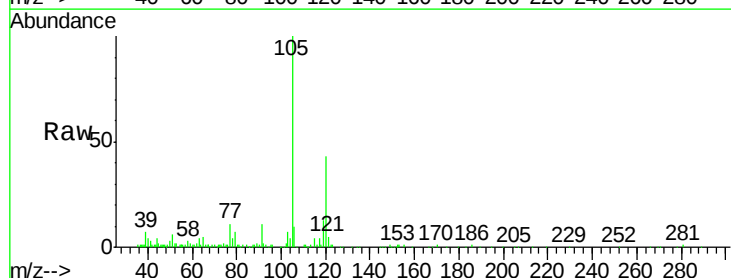
Acq: 19 Aug 2019 13:21

Tgt Ion:105 Resp: 19242

Ion Ratio Lower Upper

105 100

120 47.8 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

