

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX082219\
 Data File : VX011772.D
 Acq On : 22 Aug 2019 19:16
 Operator : JC/SP
 Sample : K4488-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 390821767.1-VOA

Quant Time: Aug 23 15:15:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	438318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	631537	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	560353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	293252	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	215942	49.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.08%	
35) Dibromofluoromethane	5.49	113	182892	44.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.58%	
50) Toluene-d8	8.71	98	726599	51.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	11.13	95	257271	45.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.38%	

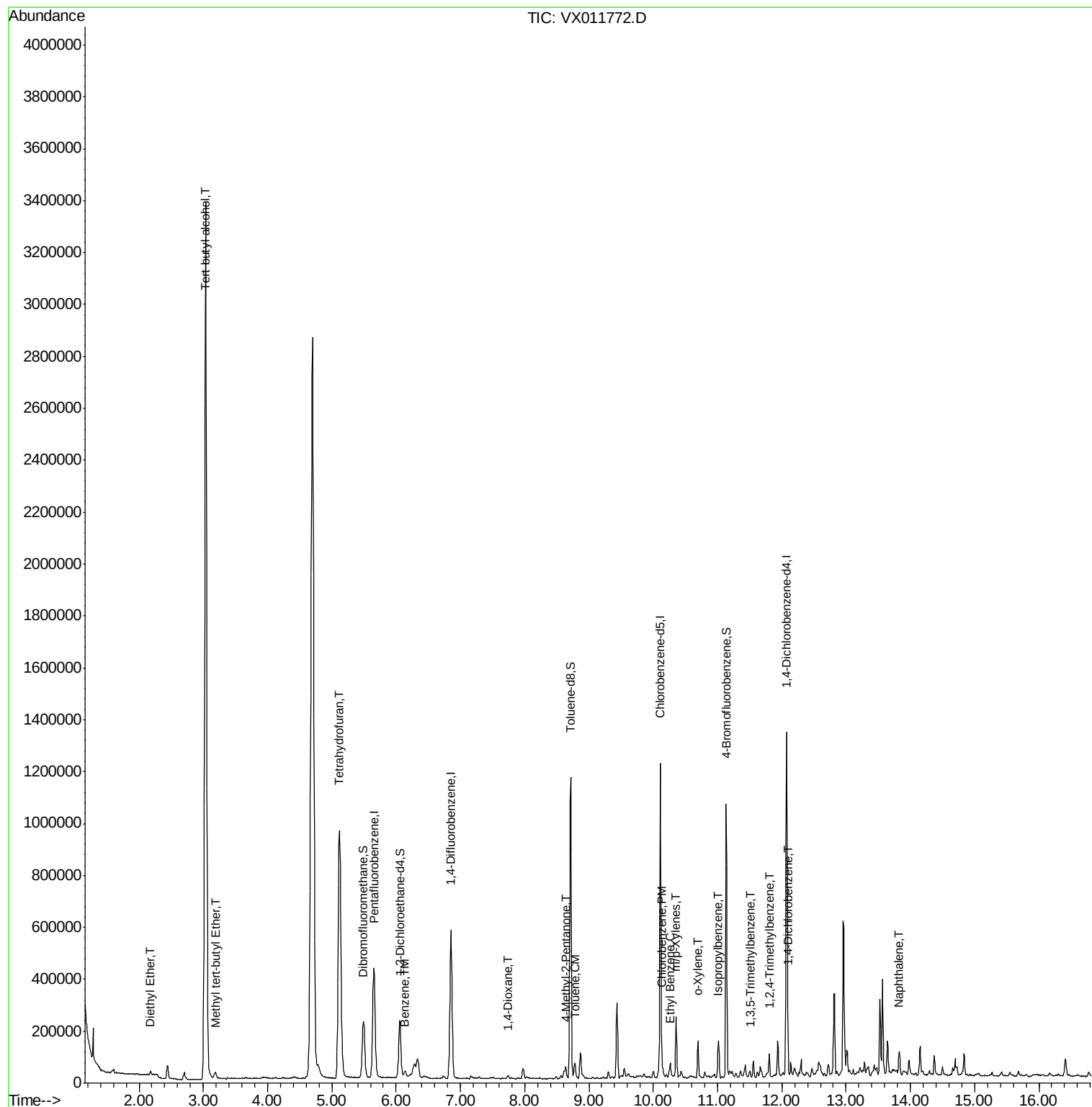
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	5780	2.977	ug/l	91
11) Tert butyl alcohol	3.04	59	4101306	4713.680	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	27502	2.489	ug/l #	90
29) Tetrahydrofuran	5.12	42	876539	497.364	ug/l	99
40) Benzene	6.13	78	31858	2.080	ug/l	98
49) 1,4-Dioxane	7.73	88	12276	104.956	ug/l #	90
51) 4-Methyl-2-Pentanone	8.64	43	33416	5.979	ug/l #	86
52) Toluene	8.78	92	18460	1.862	ug/l	96
65) Chlorobenzene	10.13	112	8054	0.736	ug/l	89
67) Ethyl Benzene	10.25	91	16459	0.900	ug/l	93
68) m/p-Xylenes	10.35	106	53916	7.648	ug/l	100
69) o-Xylene	10.69	106	31748	4.587	ug/l	96
73) Isopropylbenzene	11.01	105	75171	4.254	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	11071	0.751	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	40252	2.703	ug/l	94
88) 1,4-Dichlorobenzene	12.10	146	36920	4.067	ug/l	93
95) Naphthalene	13.83	128	15208	0.830	ug/l #	91

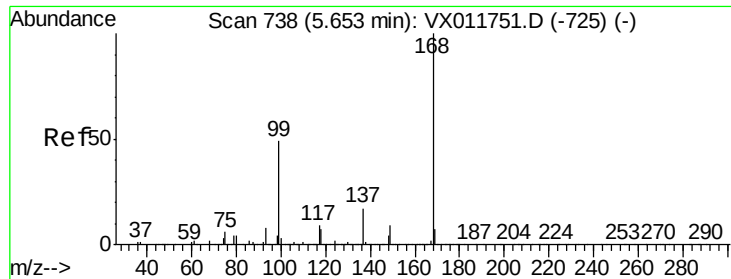
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 23 01:48:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011772.D

Acq: 22 Aug 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

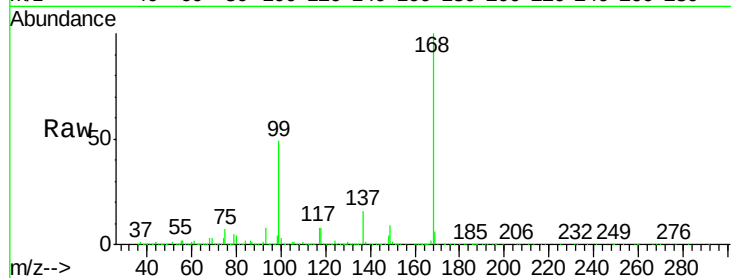
390821767.1-VOA

Tot Ion:168 Resp: 438318

Ion Ratio Lower Upper

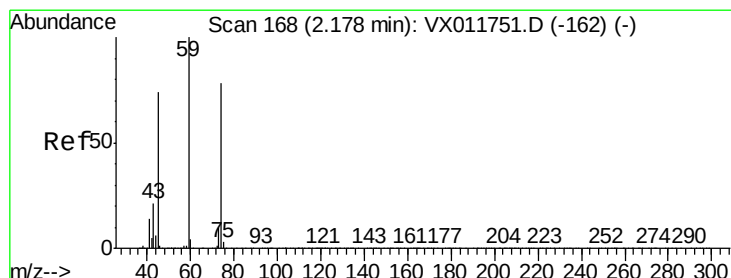
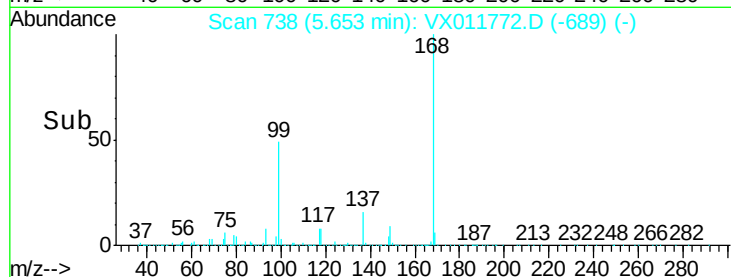
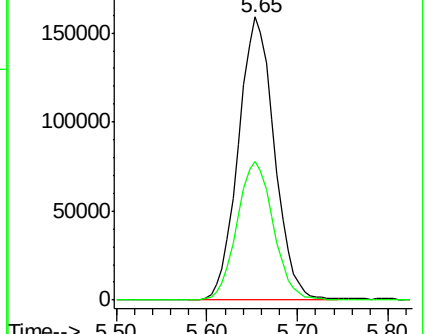
168 100

99 48.8 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 2.977 ug/l

RT: 2.18 min Scan# 168

Delta R.T. -0.00 min

Lab File: VX011772.D

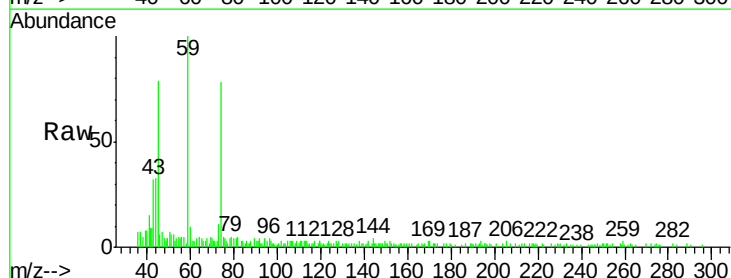
Acq: 22 Aug 2019 19:16

Tgt Ion: 74 Resp: 5780

Ion Ratio Lower Upper

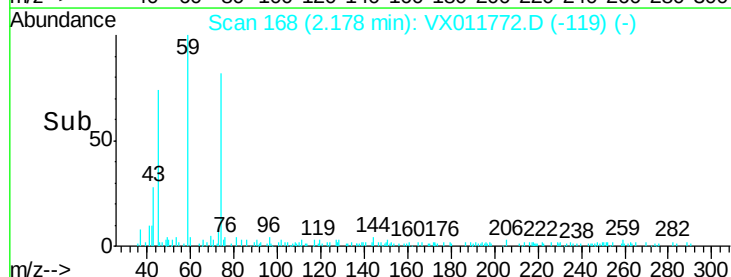
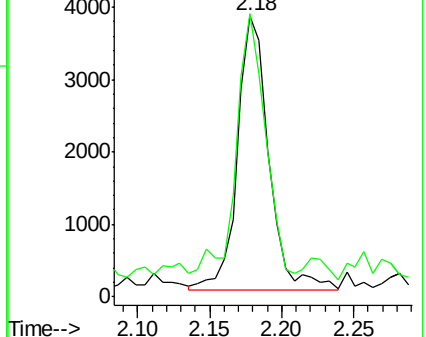
74 100

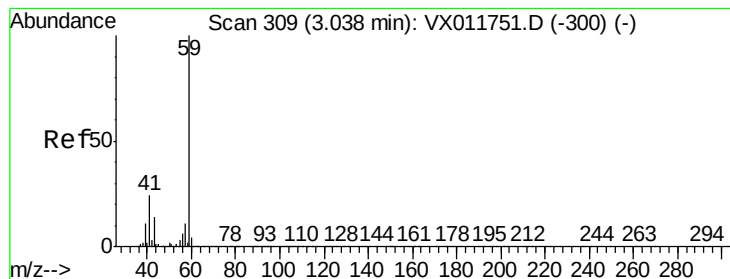
45 85.1 46.7 140.0



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



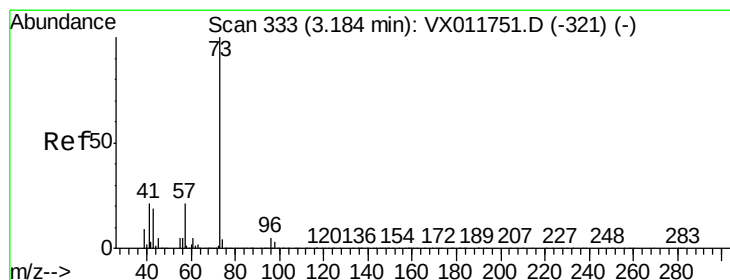
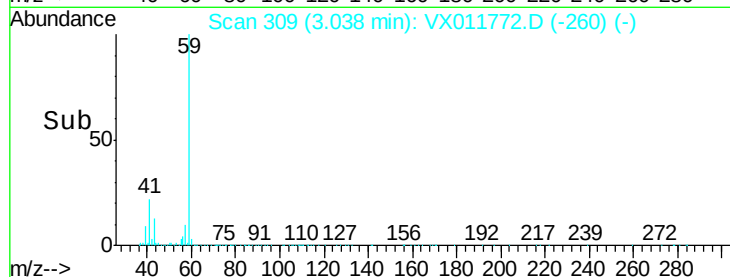
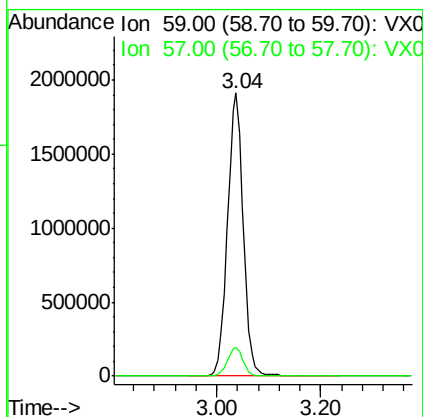
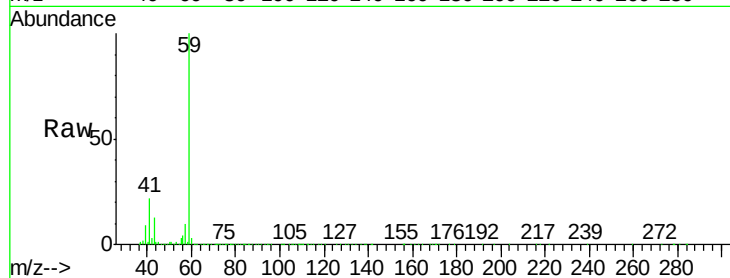


#11

Tert butyl alcohol
 Concen: 4713.680 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VX011772.D
 Acq: 22 Aug 2019 19:16

Instrument :
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 390821767.1-VOA

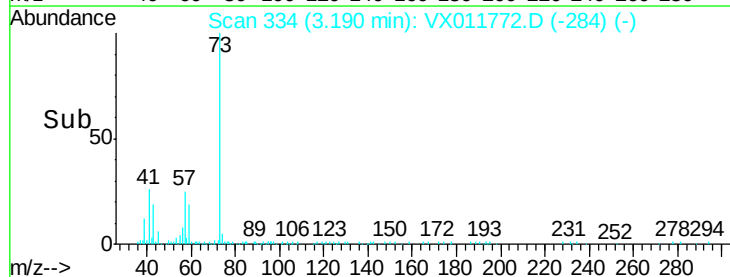
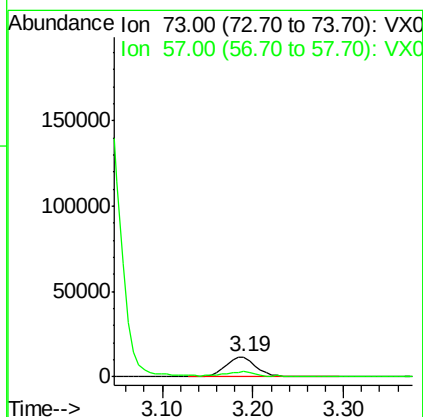
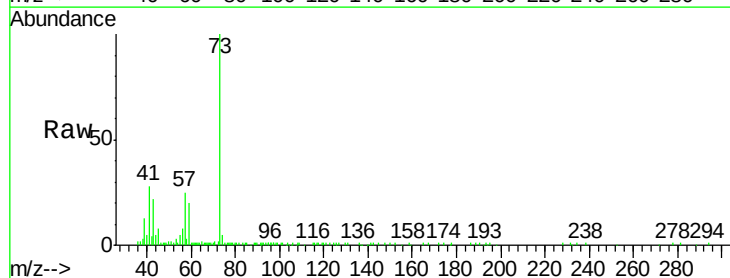
Tot Ion: 59 Resp: 4101306
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.4 12.6

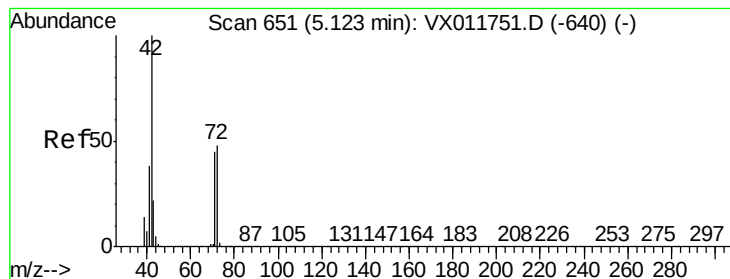


#19

Methyl tert-butyl Ether
 Concen: 2.489 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. 0.01 min
 Lab File: VX011772.D
 Acq: 22 Aug 2019 19:16

Tgt Ion: 73 Resp: 27502
 Ion Ratio Lower Upper
 73 100
 57 24.9 16.4 24.6#





#29

Tetrahydrofuran

Concen: 497.364 ug/l

RT: 5.12 min Scan# 650

Delta R.T. -0.01 min

Lab File: VX011772.D

Acq: 22 Aug 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

390821767.1-VOA

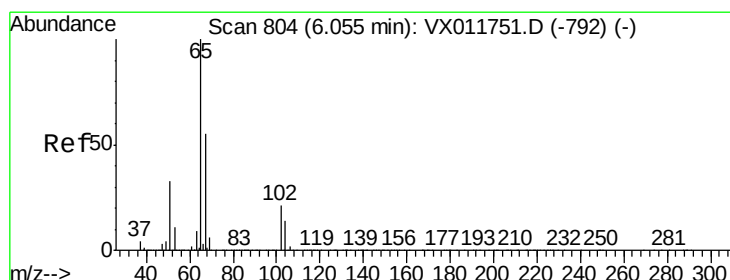
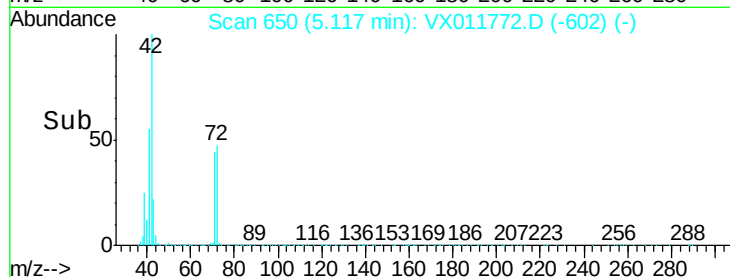
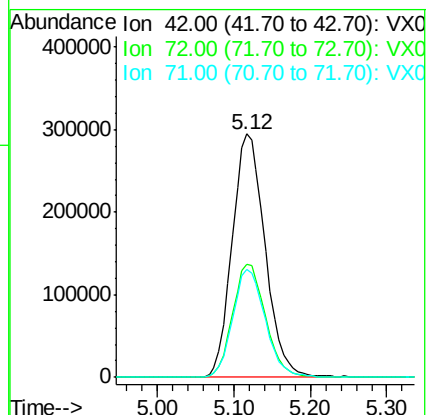
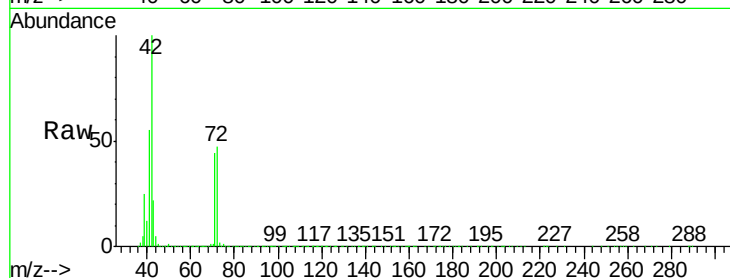
Tot Ion: 42 Resp: 876539

Ion Ratio Lower Upper

42 100

72 46.5 37.6 56.4

71 43.7 34.6 51.8



#33

1,2-Dichloroethane-d4

Concen: 49.042 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011772.D

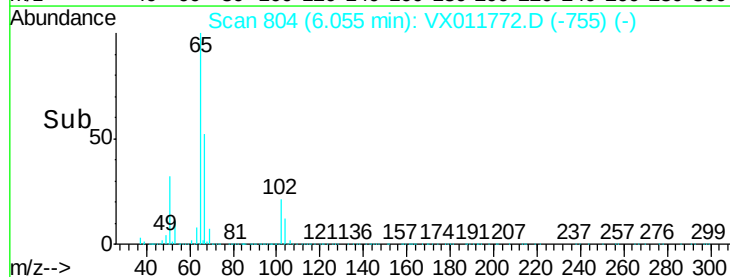
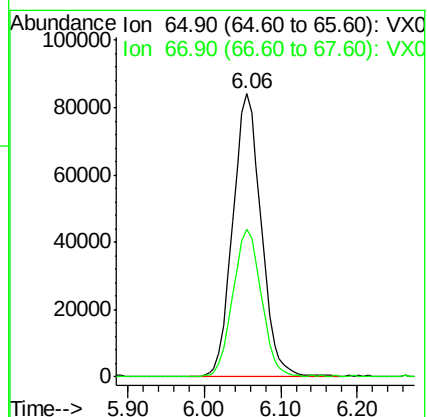
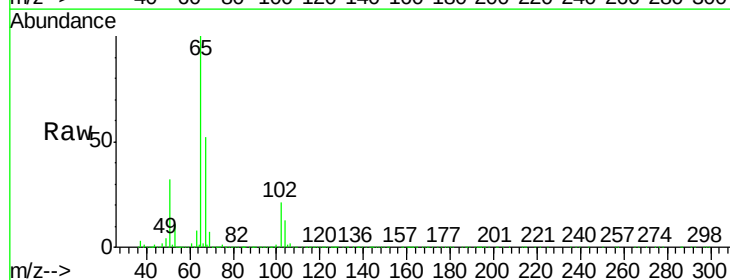
Acq: 22 Aug 2019 19:16

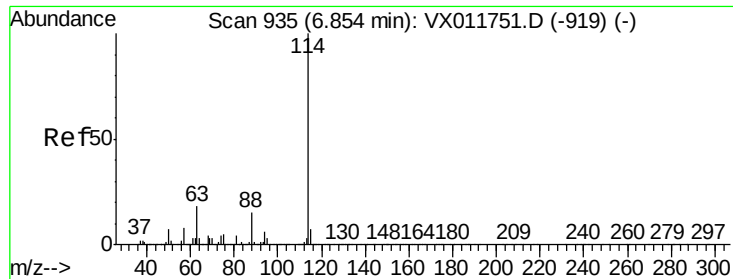
Tgt Ion: 65 Resp: 215942

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.8

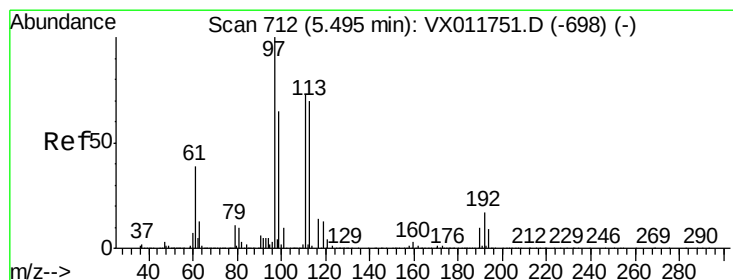
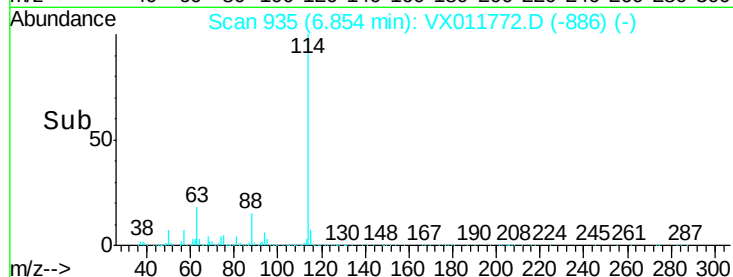
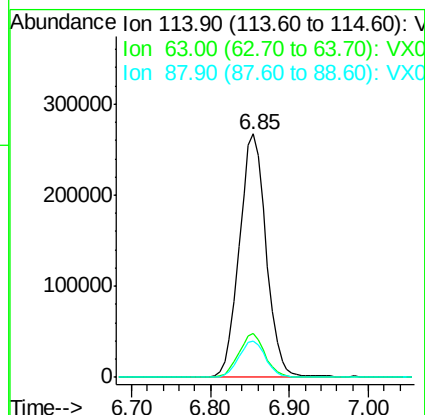
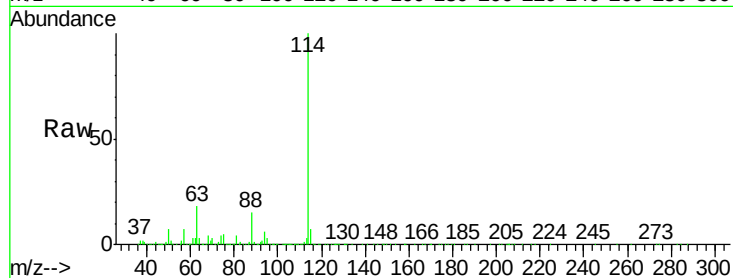




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.00 min
Lab File: VX011772.D
Acq: 22 Aug 2019 19:16

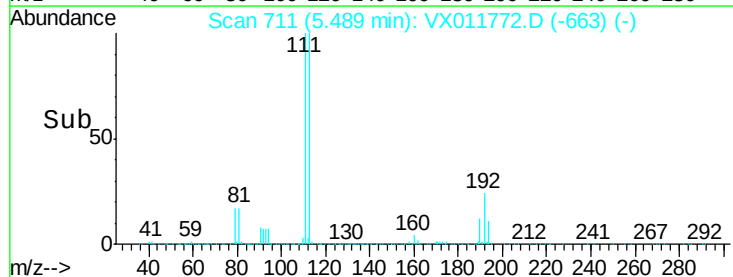
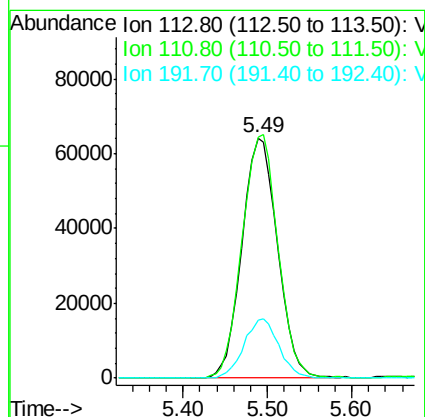
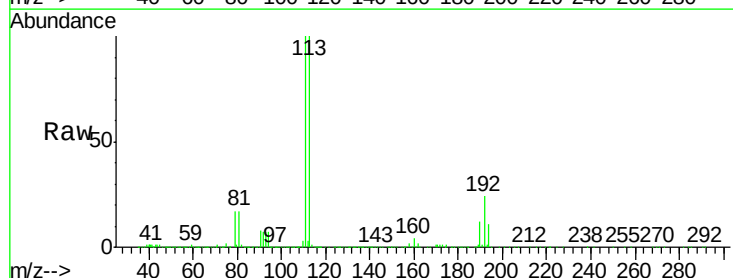
Instrument :
MSVOA_X
ClientSampleId :
390821767.1-VOA

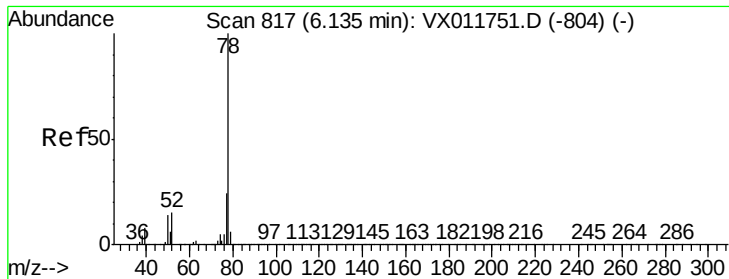
Tot Ion:	114	Resp:	631537
Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	36.8
88	14.7	0.0	30.2



#35
Dibromofluoromethane
Concen: 44.785 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX011772.D
Acq: 22 Aug 2019 19:16

Tgt Ion:	113	Resp:	182892
Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.0	121.4
192	24.3	19.9	29.9





#40

Benzene

Concen: 2.080 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX011772.D

Acq: 22 Aug 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

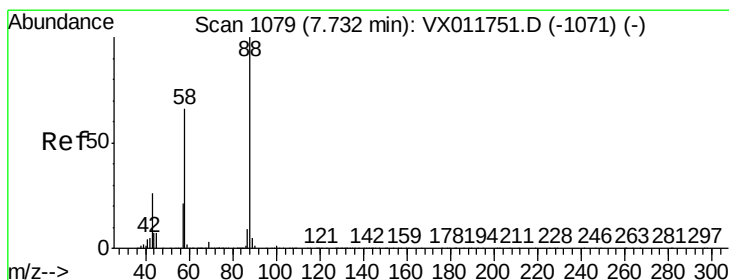
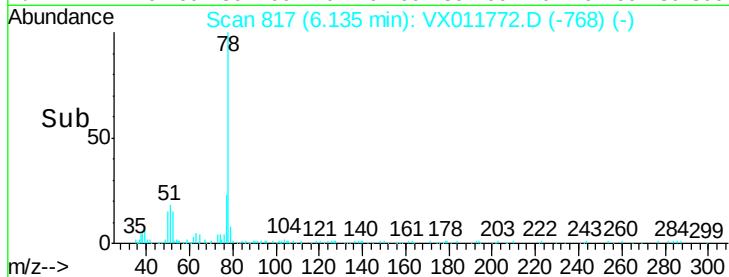
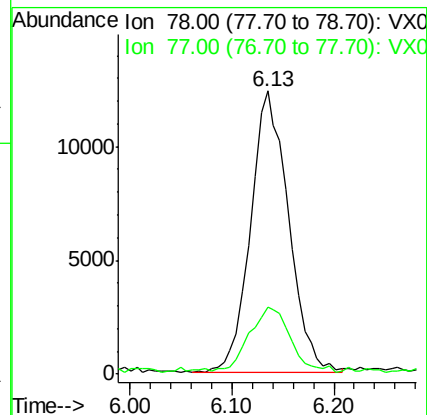
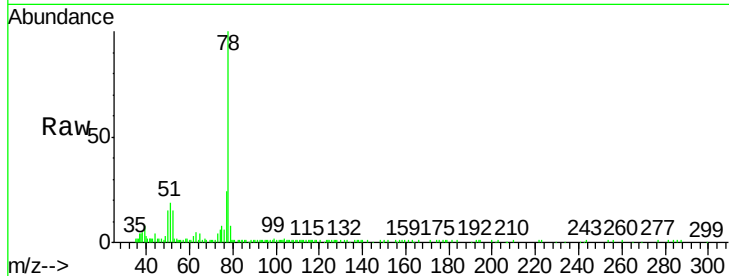
390821767.1-VOA

Tot Ion: 78 Resp: 31858

Ion Ratio Lower Upper

78 100

77 22.7 19.1 28.7



#49

1,4-Dioxane

Concen: 104.956 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VX011772.D

Acq: 22 Aug 2019 19:16

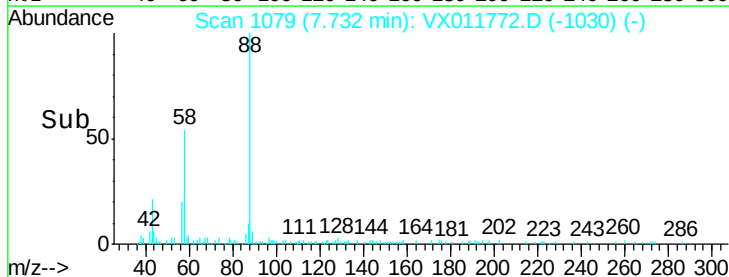
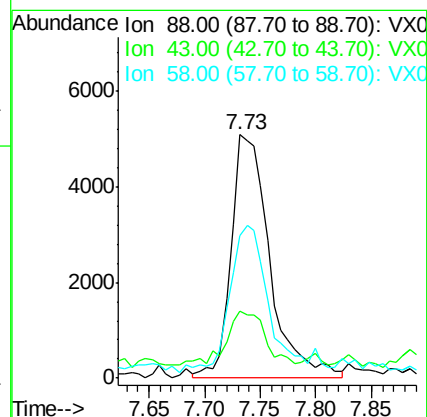
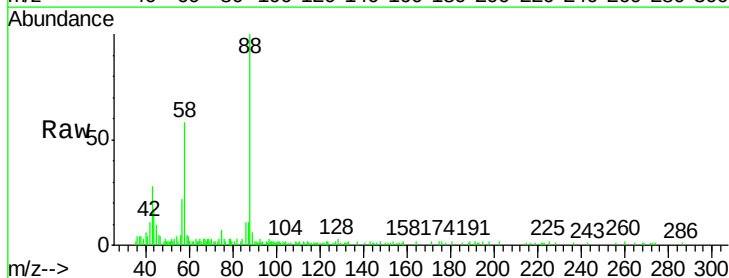
Tgt Ion: 88 Resp: 12276

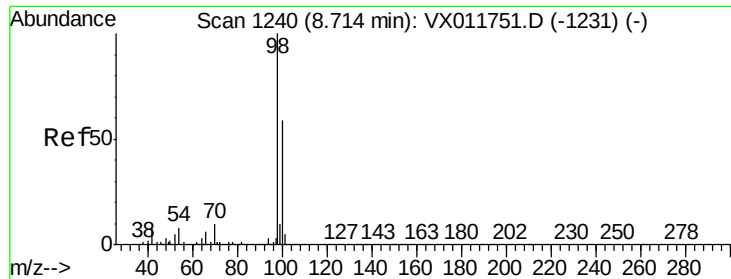
Ion Ratio Lower Upper

88 100

43 22.0 24.6 37.0#

58 59.2 51.4 77.2





#50

Toluene-d8

Concen: 51.010 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011772.D

Acq: 22 Aug 2019 19:16

Instrument :

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ClientSampleId :

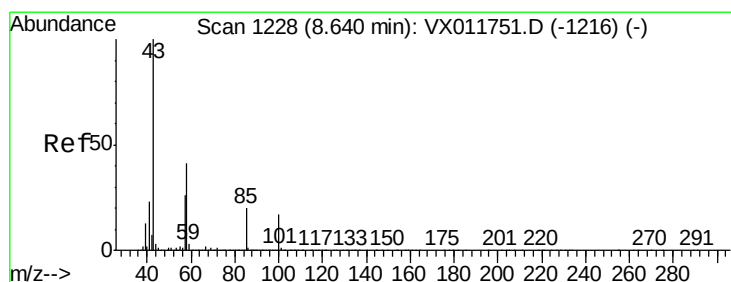
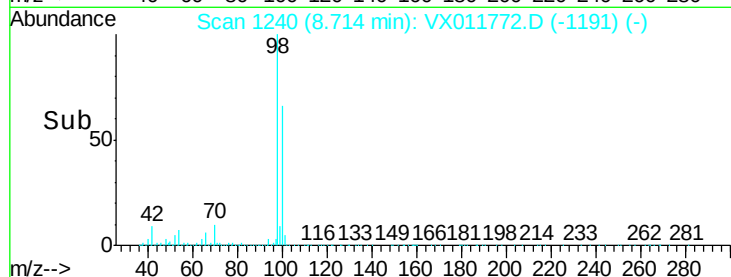
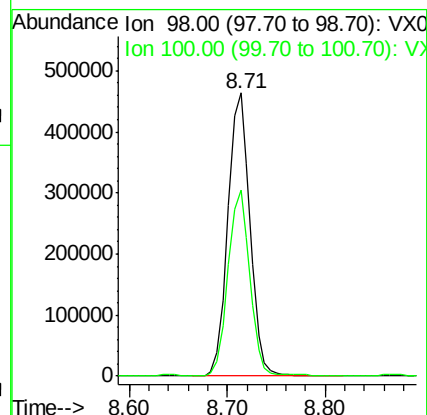
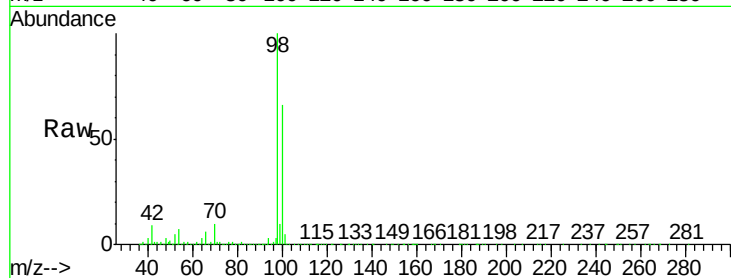
390821767.1-VOA

Tot Ion: 98 Resp: 726599

Ion Ratio Lower Upper

98 100

100 64.5 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 5.979 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011772.D

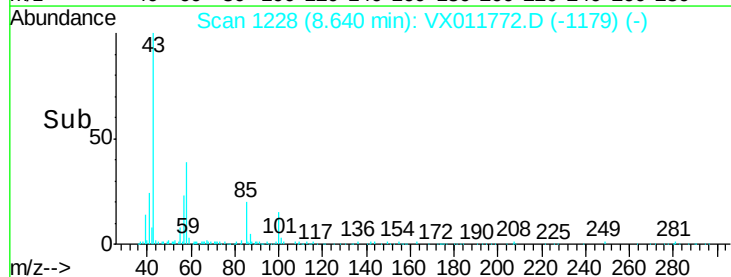
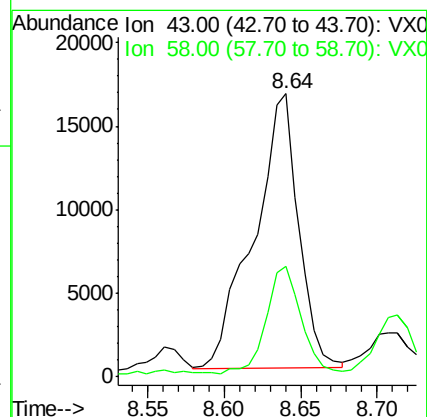
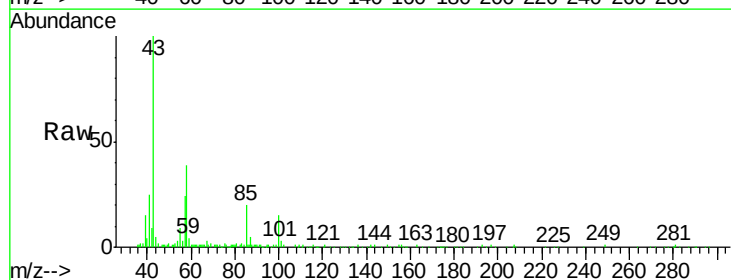
Acq: 22 Aug 2019 19:16

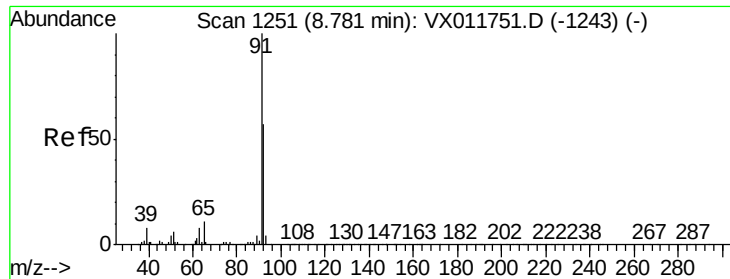
Tgt Ion: 43 Resp: 33416

Ion Ratio Lower Upper

43 100

58 30.9 31.8 47.6#





#52

Toluene

Concen: 1.862 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011772.D

Acq: 22 Aug 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

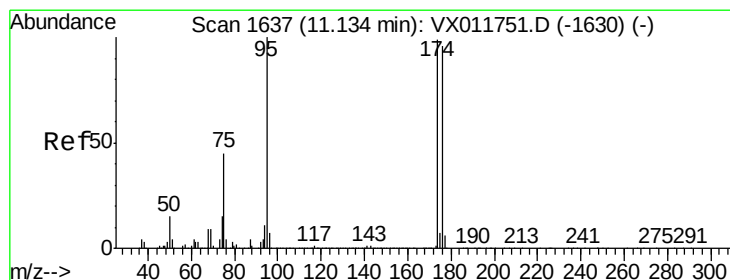
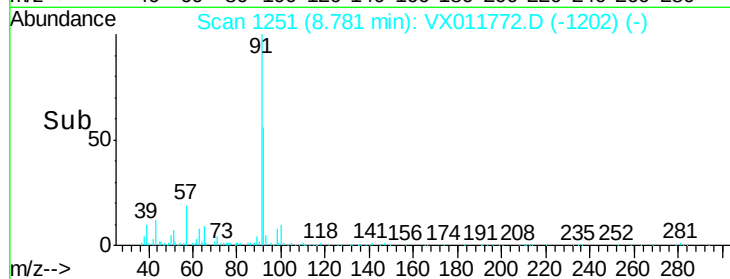
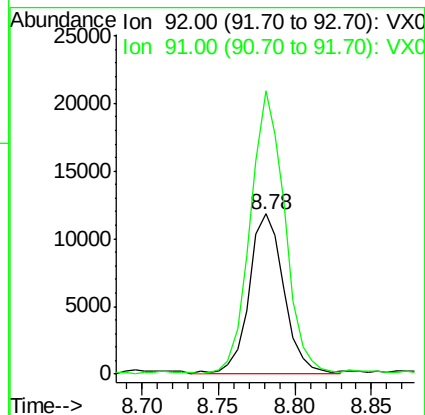
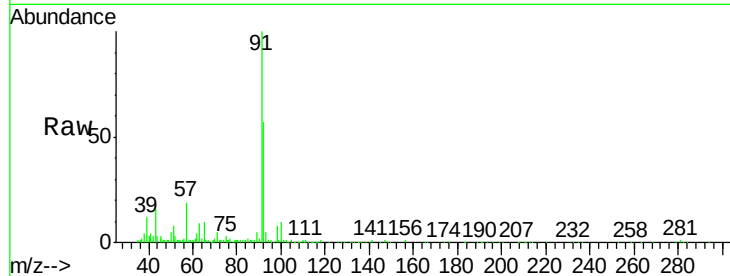
390821767.1-VOA

Tot Ion: 92 Resp: 18460

Ion Ratio Lower Upper

92 100

91 178.2 138.6 207.8



#62

4-Bromofluorobenzene

Concen: 45.695 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011772.D

Acq: 22 Aug 2019 19:16

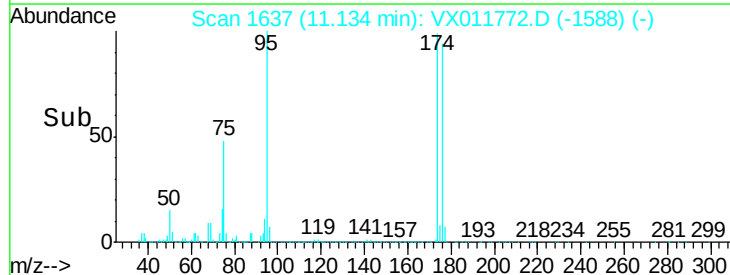
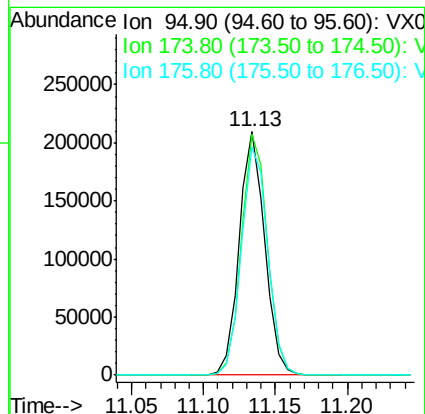
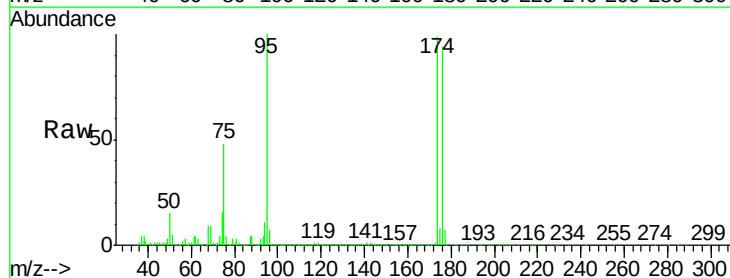
Tgt Ion: 95 Resp: 257271

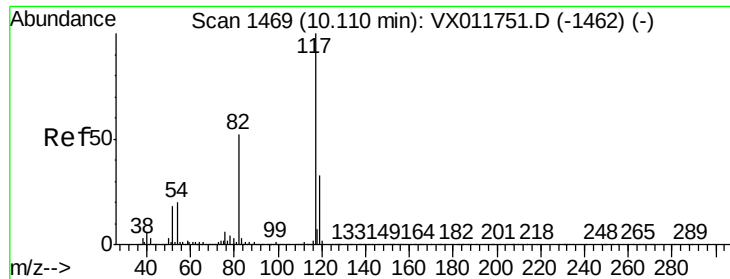
Ion Ratio Lower Upper

95 100

174 100.2 0.0 197.4

176 96.7 0.0 194.4

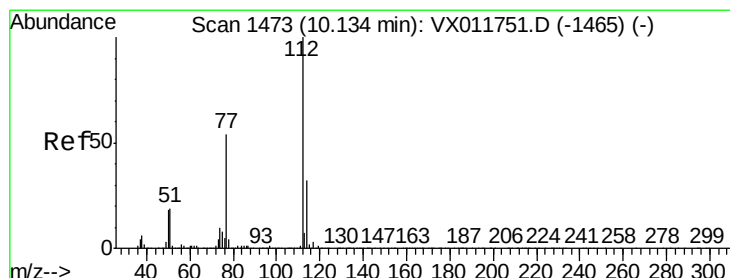
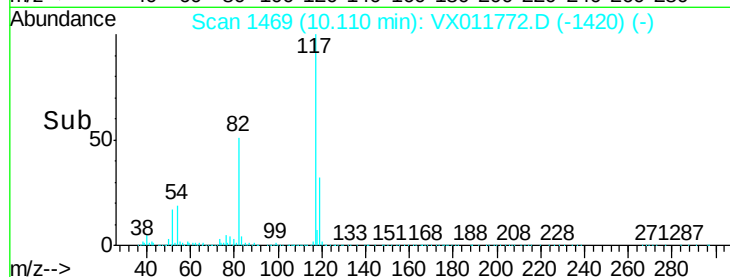
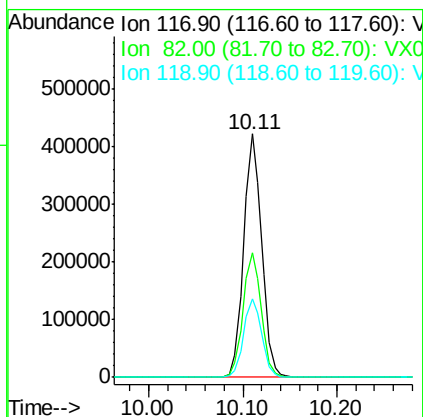
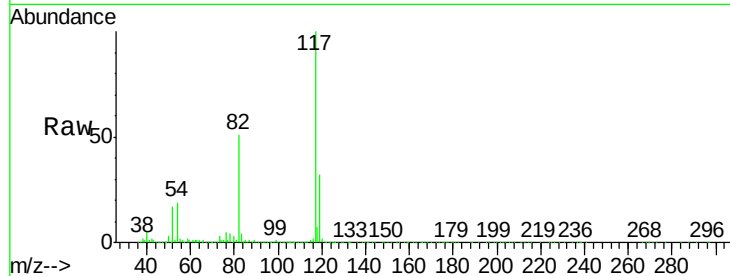




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011772.D
Acq: 22 Aug 2019 19:16

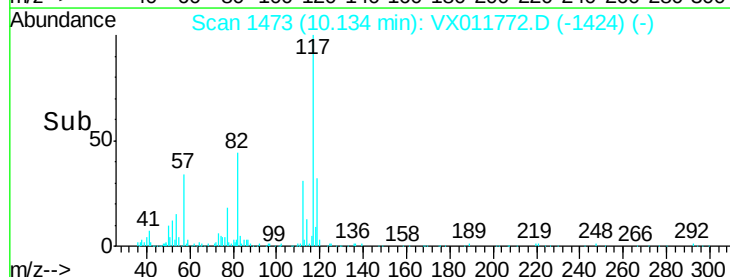
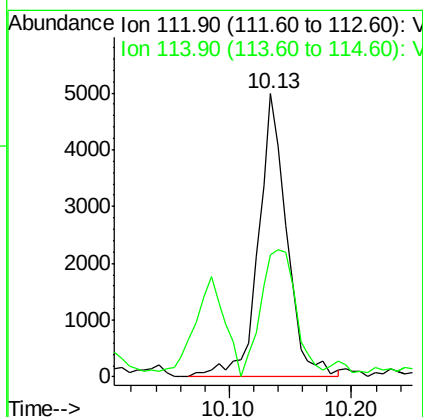
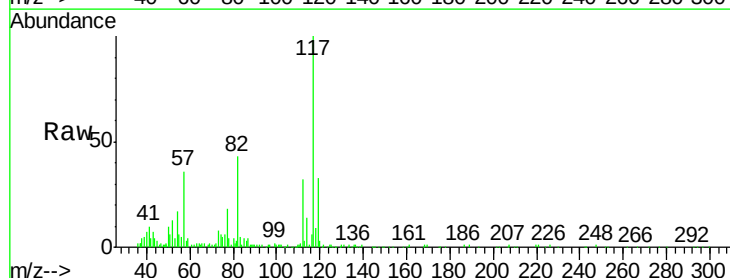
Instrument :
MSVOA_X
ClientSampleId :
390821767.1-VOA

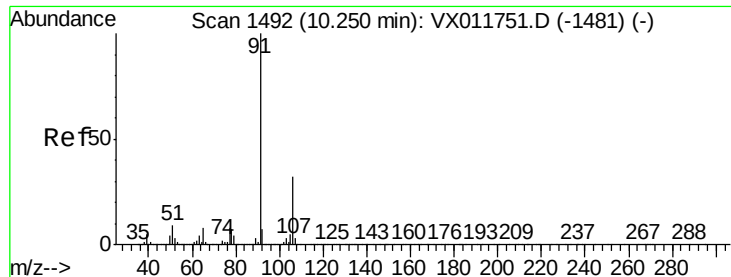
Tot Ion:117 Resp: 560353
Ion Ratio Lower Upper
117 100
82 51.0 41.7 62.5
119 32.3 26.2 39.2



#65
Chlorobenzene
Concen: 0.736 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011772.D
Acq: 22 Aug 2019 19:16

Tgt Ion:112 Resp: 8054
Ion Ratio Lower Upper
112 100
114 37.8 25.4 38.0





#67

Ethyl Benzene

Concen: 0.900 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011772.D

Acq: 22 Aug 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

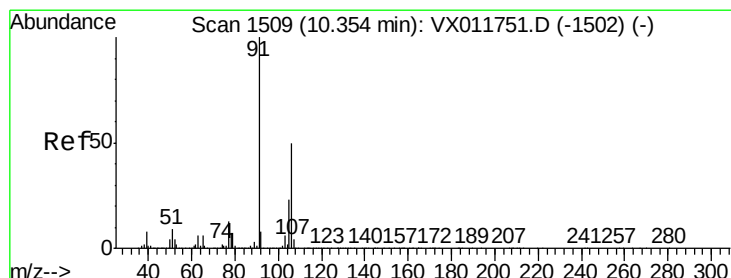
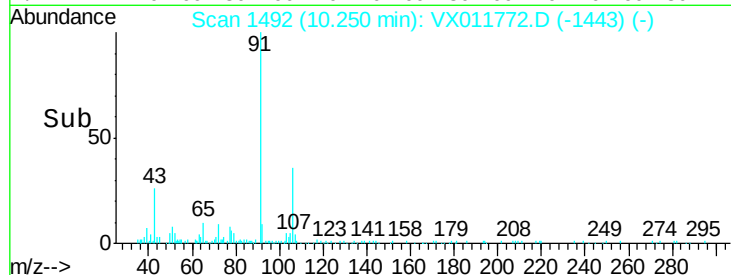
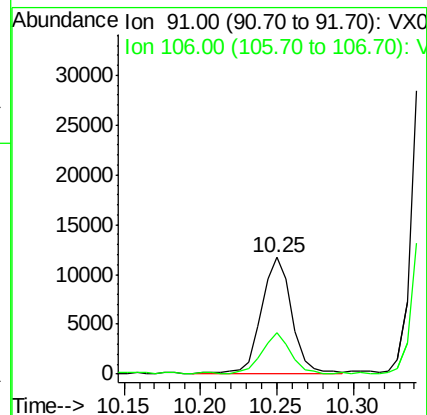
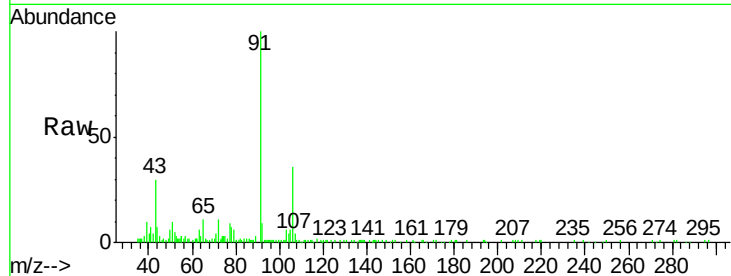
390821767.1-VOA

Tot Ion: 91 Resp: 16459

Ion Ratio Lower Upper

91 100

106 35.6 25.5 38.3



#68

m/p-Xylenes

Concen: 7.648 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VX011772.D

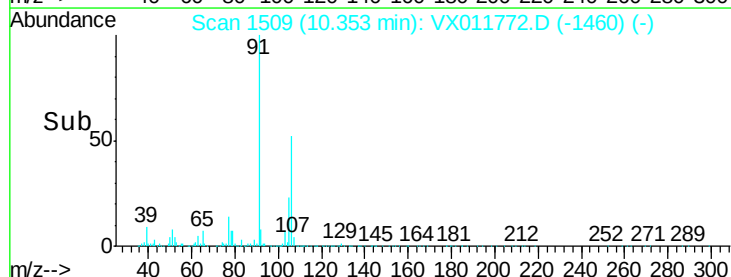
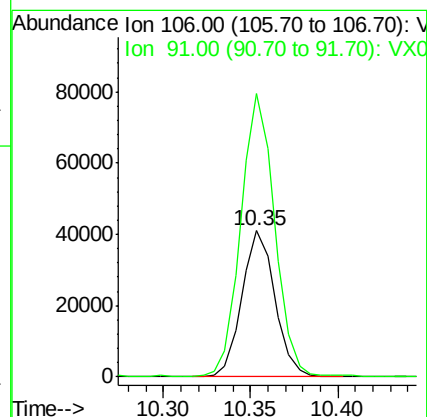
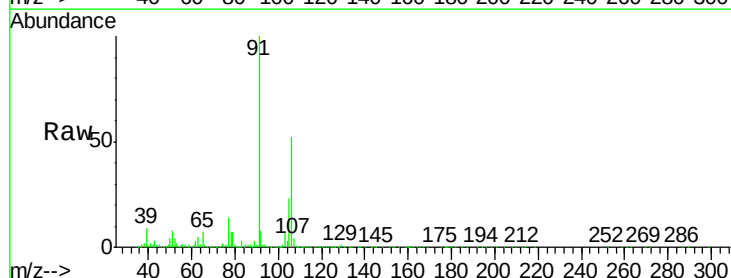
Acq: 22 Aug 2019 19:16

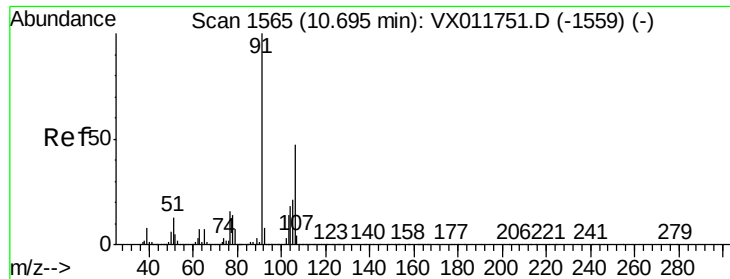
Tgt Ion: 106 Resp: 53916

Ion Ratio Lower Upper

106 100

91 197.7 158.3 237.5

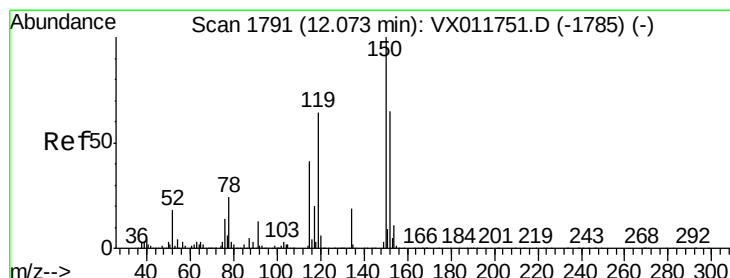
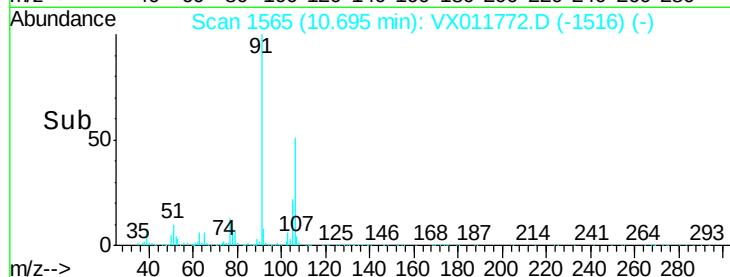
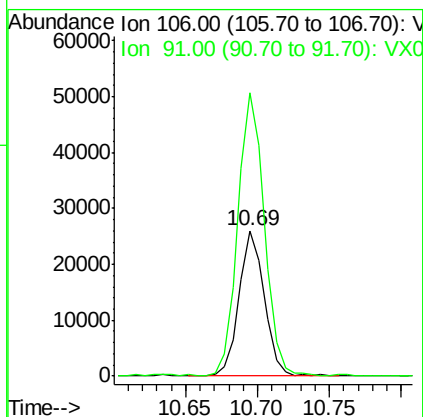
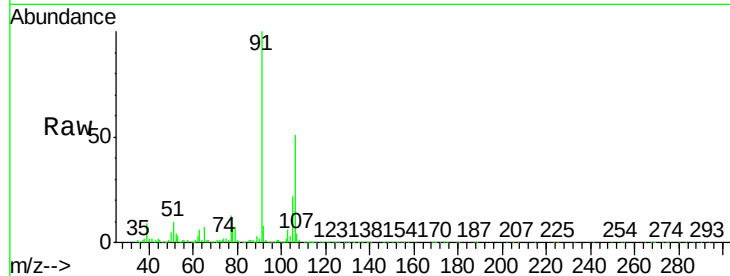




#69
o-Xylene
Concen: 4.587 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011772.D
Acq: 22 Aug 2019 19:16

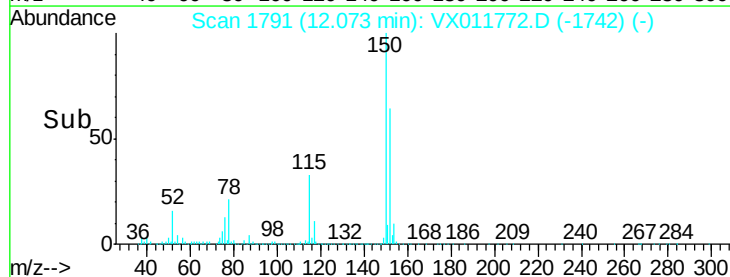
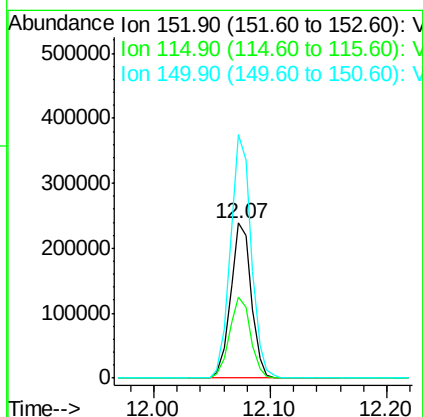
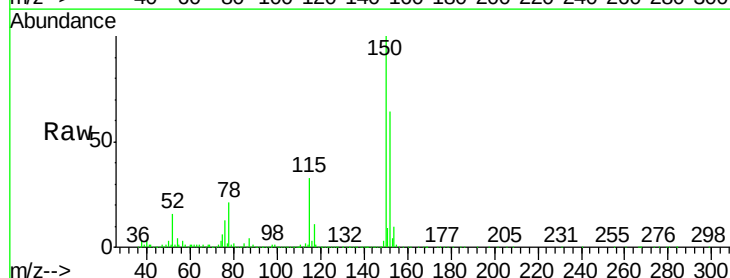
Instrument :
MSVOA_X
ClientSampleId :
390821767.1-VOA

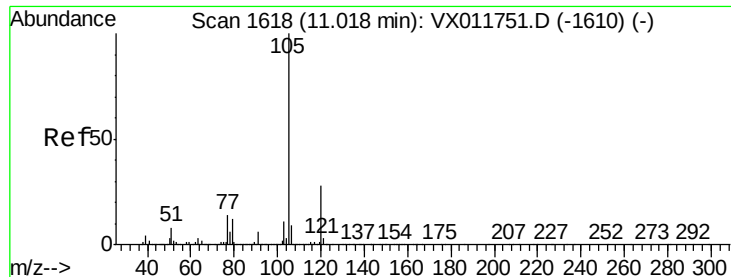
Tot Ion:106 Resp: 31748
Ion Ratio Lower Upper
106 100
91 203.1 105.0 314.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX011772.D
Acq: 22 Aug 2019 19:16

Tgt Ion:152 Resp: 293252
Ion Ratio Lower Upper
152 100
115 52.9 37.3 111.8
150 158.5 0.0 343.0





#73

Isopropylbenzene

Concen: 4.254 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX011772.D

Acq: 22 Aug 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

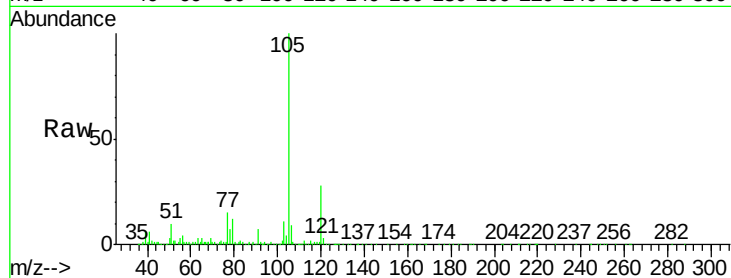
390821767.1-VOA

Tot Ion:105 Resp: 75171

Ion Ratio Lower Upper

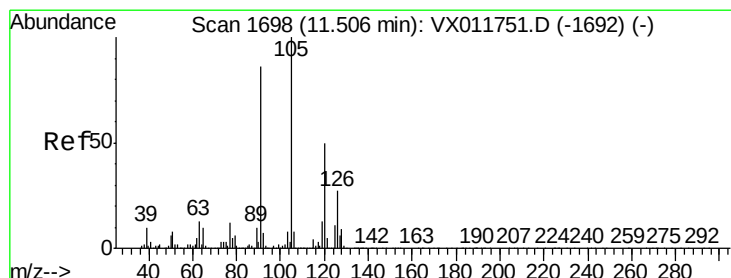
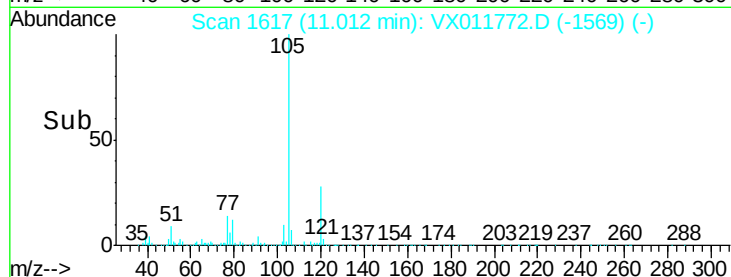
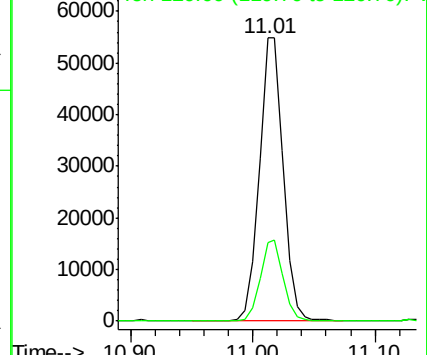
105 100

120 27.5 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 0.751 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011772.D

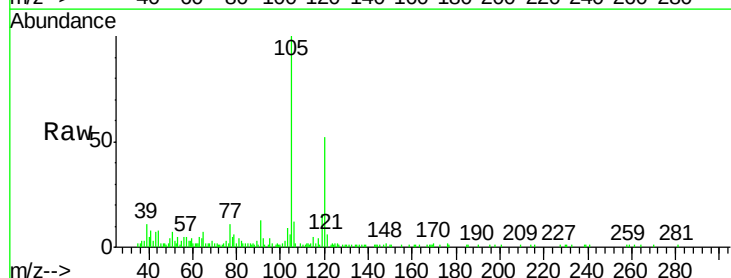
Acq: 22 Aug 2019 19:16

Tgt Ion:105 Resp: 11071

Ion Ratio Lower Upper

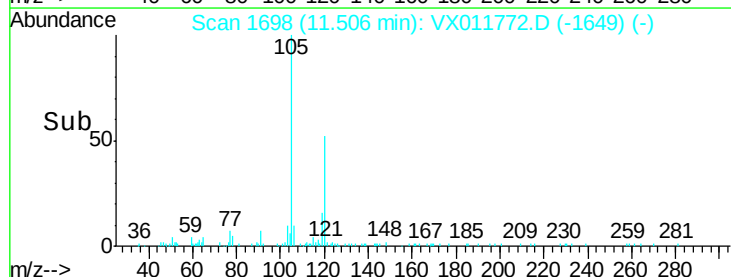
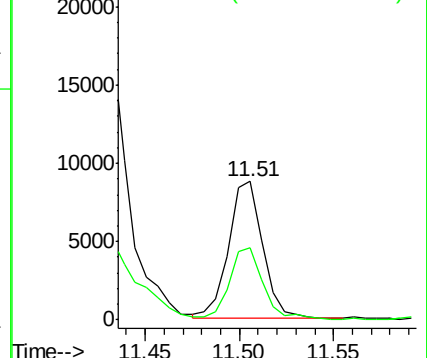
105 100

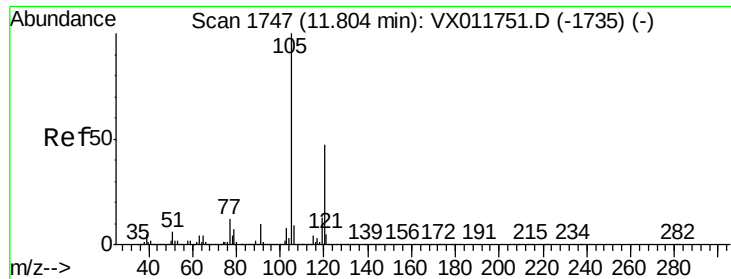
120 52.0 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

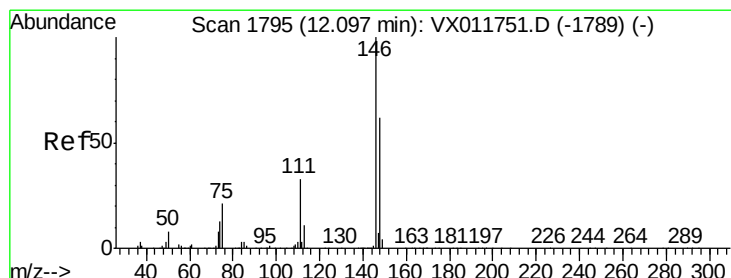
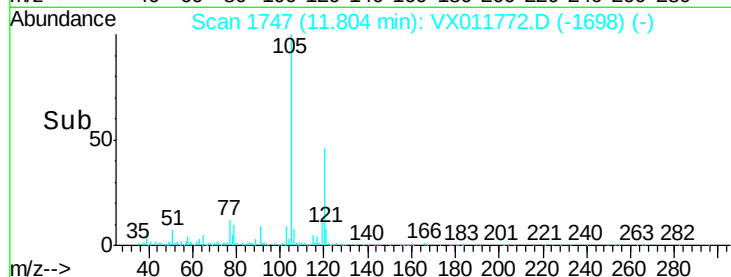
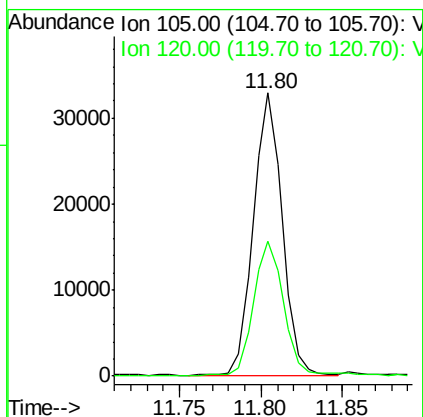
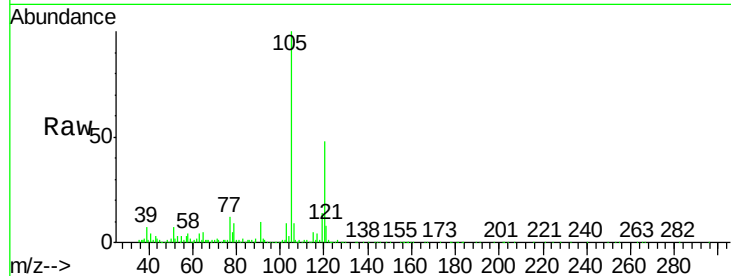




#84
 1,2,4-Trimethylbenzene
 Concen: 2.703 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011772.D
 Acq: 22 Aug 2019 19:16

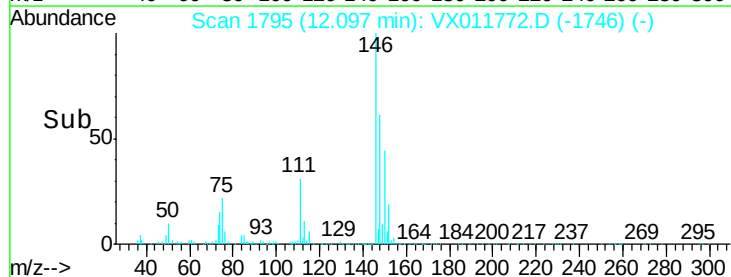
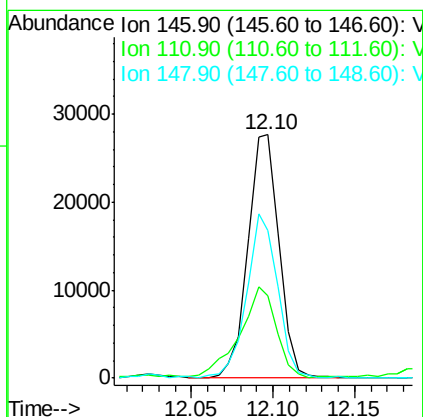
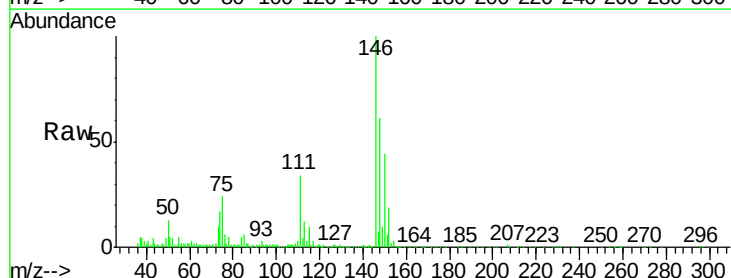
Instrument :
 MSVOA_X
 ClientSampleId :
 390821767.1-VOA

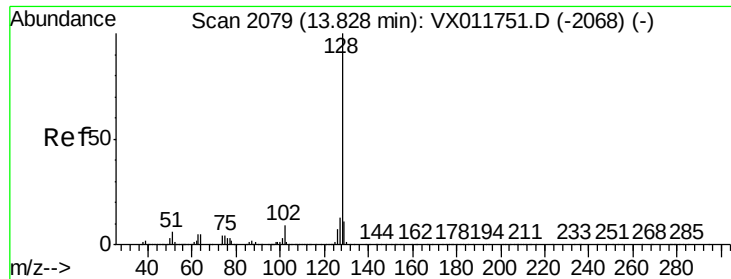
Tot Ion:105 Resp: 40252
 Ion Ratio Lower Upper
 105 100
 120 51.7 23.7 71.1



#88
 1,4-Dichlorobenzene
 Concen: 4.067 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011772.D
 Acq: 22 Aug 2019 19:16

Tgt Ion:146 Resp: 36920
 Ion Ratio Lower Upper
 146 100
 111 43.1 17.8 53.4
 148 66.2 31.9 95.7





#95

Naphthalene

Concen: 0.830 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX011772.D

Acq: 22 Aug 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

390821767.1-VOA

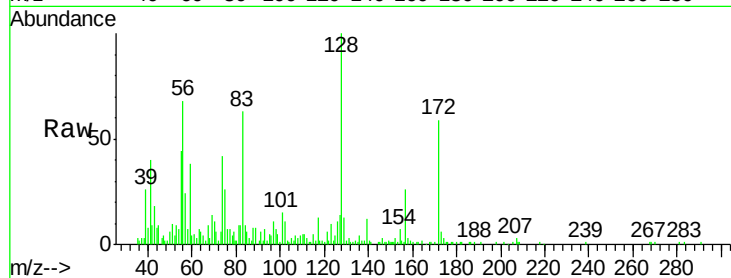
Tot Ion:128 Resp: 15208

Ion Ratio Lower Upper

128 100

127 15.9 10.4 15.6#

129 15.2 8.7 13.1#



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

