

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080719\
 Data File : VX011364.D
 Acq On : 07 Aug 2019 15:33
 Operator : JC/SP
 Sample : K4190-04 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30320

Quant Time: Aug 08 07:35:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	215534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	313446	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	286603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	150946	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	109977	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
35) Dibromofluoromethane	5.49	113	94772	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	
50) Toluene-d8	8.71	98	371648	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
62) 4-Bromofluorobenzene	11.13	95	133186	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	

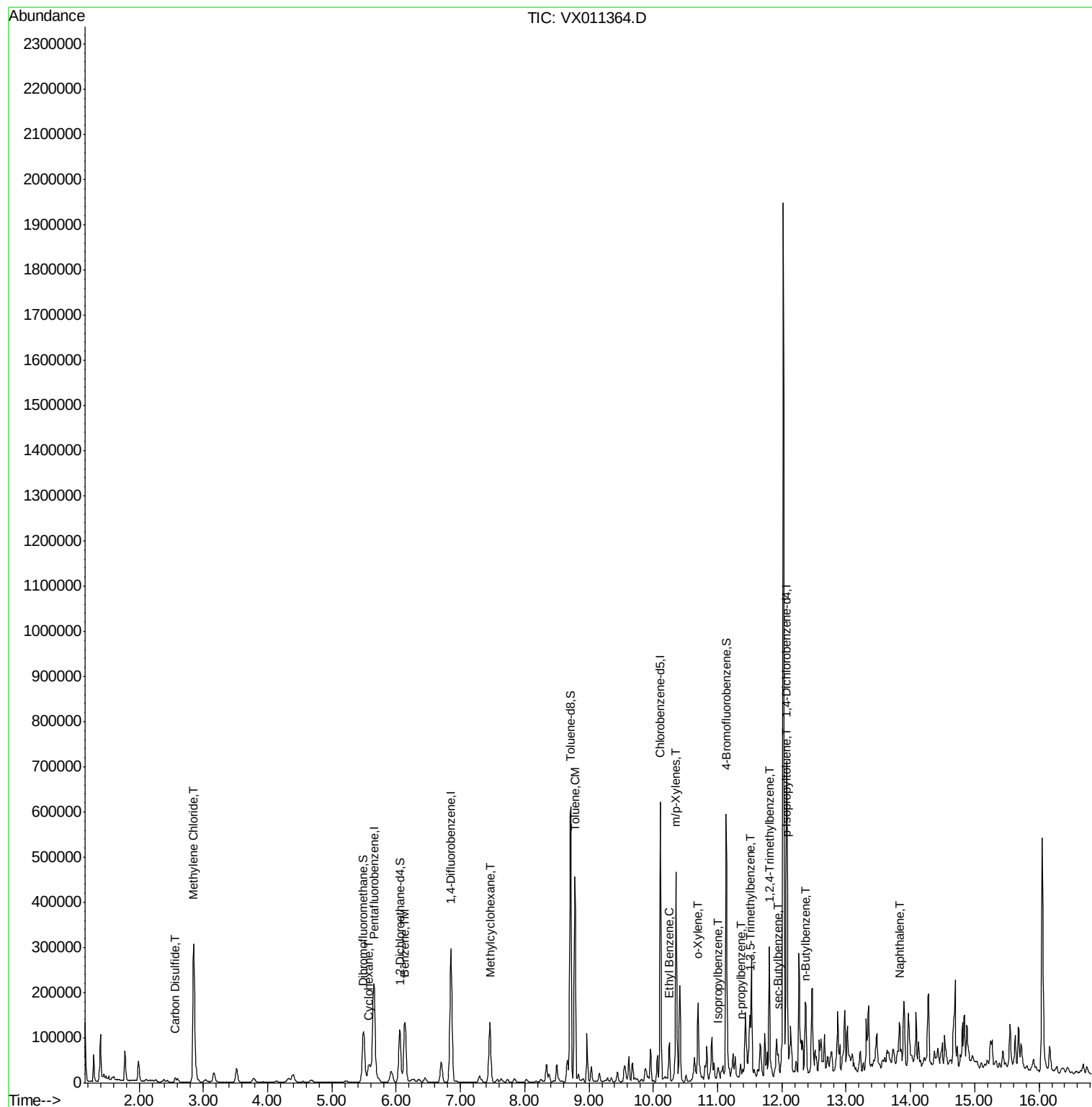
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Carbon Disulfide	2.56	76	11712	2.545	ug/l #	95
20) Methylene Chloride	2.85	84	142587	63.019	ug/l	97
31) Cyclohexane	5.57	56	26169	9.362	ug/l	96
39) Methylcyclohexane	7.46	83	59359	18.299	ug/l	98
40) Benzene	6.13	78	164878	20.190	ug/l	97
52) Toluene	8.78	92	165785	30.704	ug/l	99
67) Ethyl Benzene	10.25	91	44485	4.322	ug/l	100
68) m/p-Xylenes	10.35	106	104212	26.179	ug/l	99
69) o-Xylene	10.69	106	36660	9.373	ug/l	98
73) Isopropylbenzene	11.02	105	10732	1.040	ug/l	99
78) n-propylbenzene	11.36	91	19841	1.728	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	53898	6.237	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	113123	13.147	ug/l	99
85) sec-Butylbenzene	11.94	105	10543	1.035	ug/l	92
86) p-Isopropyltoluene	12.06	119	13670	1.459	ug/l #	78
89) n-Butylbenzene	12.38	91	18013	2.232	ug/l #	32
95) Naphthalene	13.83	128	50535	5.127	ug/l	97

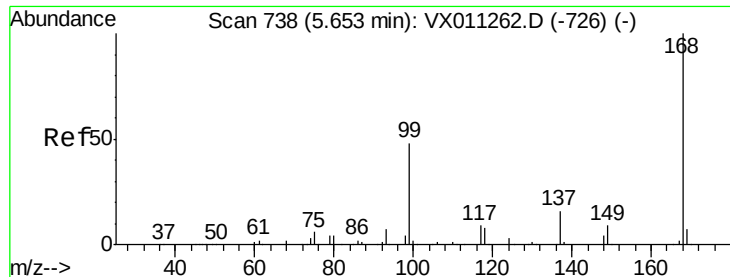
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 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: VX011364.D

Acq: 07 Aug 2019 15:33

Instrument :

MSVOA_X

ClientSampled :

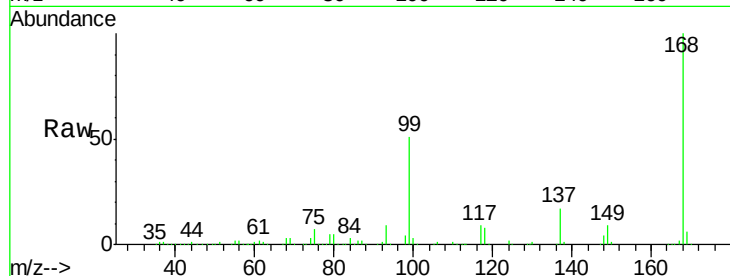
30320

Tot Ion:168 Resp: 21534

Ion Ratio Lower Upper

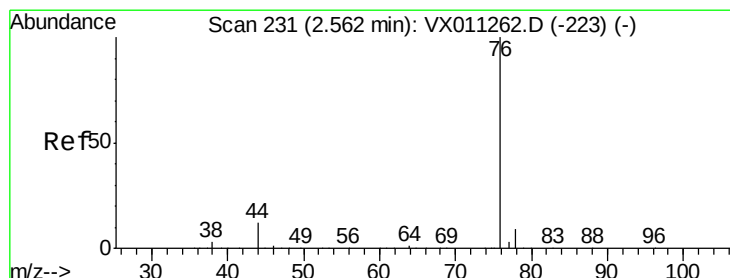
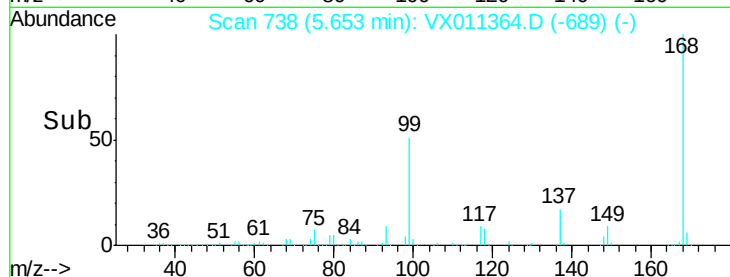
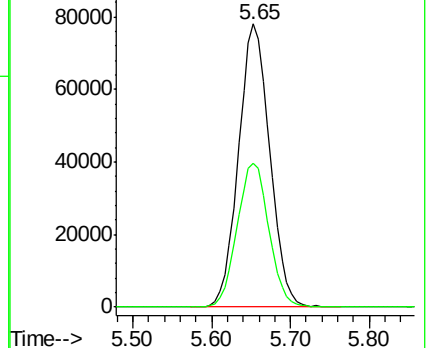
168 100

99 50.8 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#17

Carbon Disulfide

Concen: 2.545 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011364.D

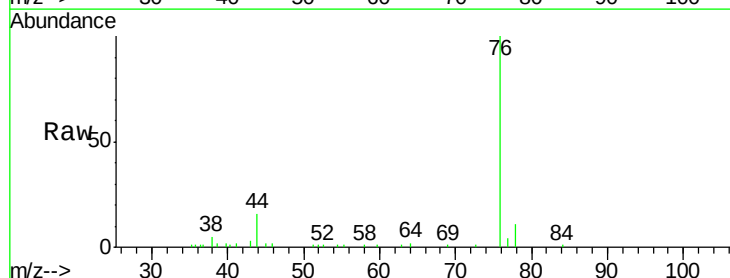
Acq: 07 Aug 2019 15:33

Tgt Ion: 76 Resp: 11712

Ion Ratio Lower Upper

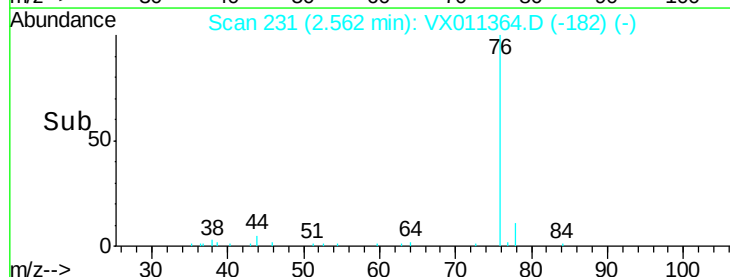
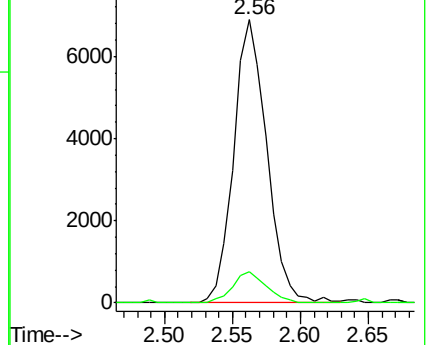
76 100

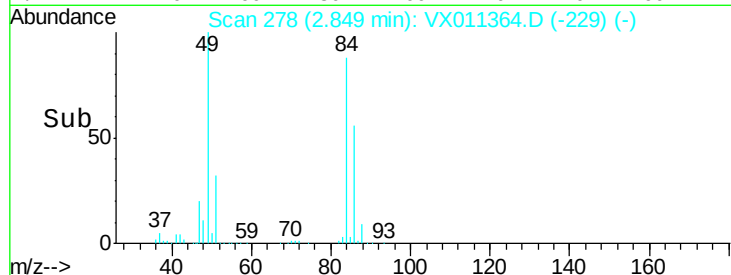
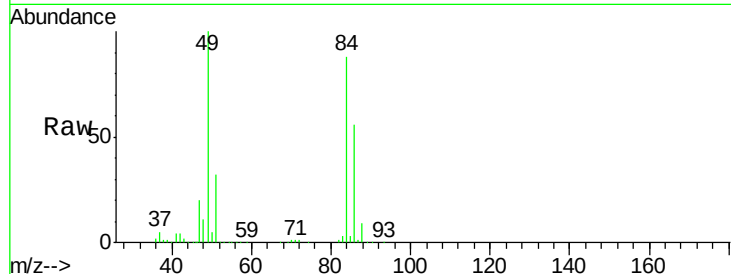
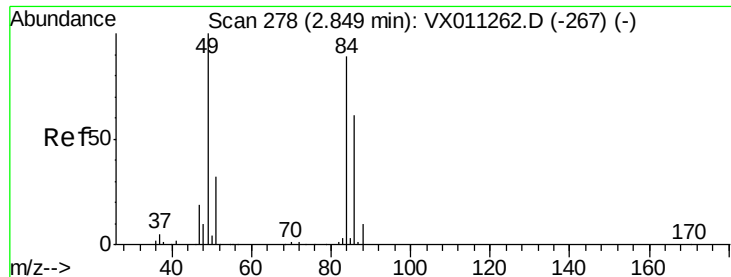
78 11.2 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

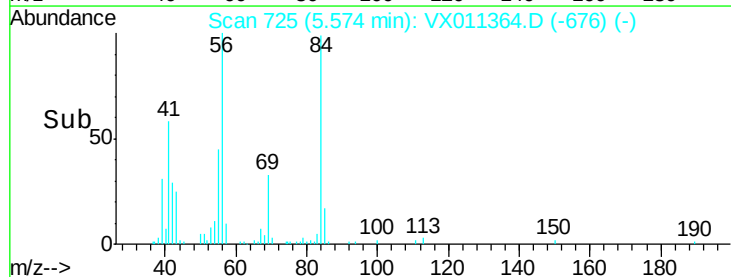
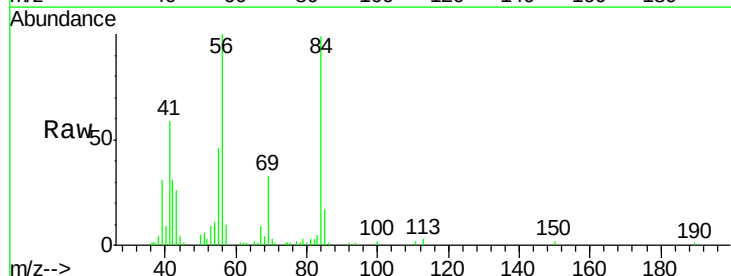
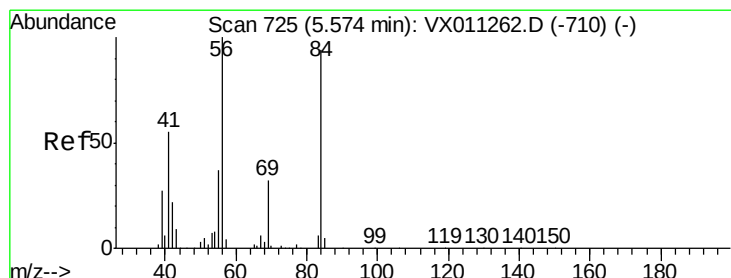
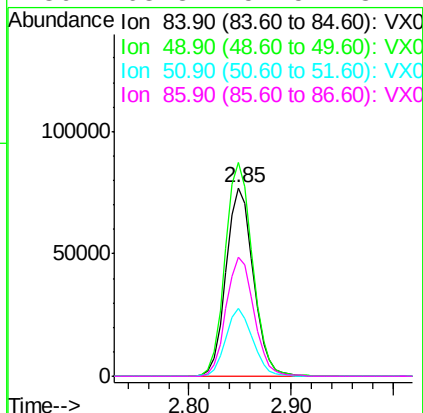




#20
Methylene Chloride
Concen: 63.019 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011364.D
Acq: 07 Aug 2019 15:33

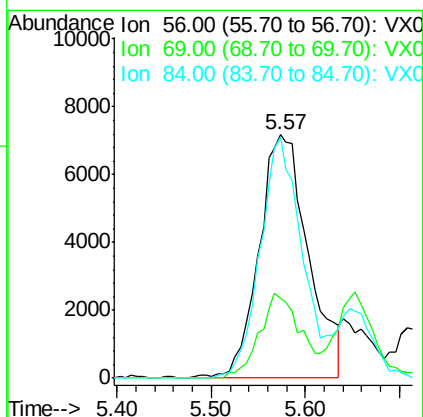
Instrument :
MSVOA_X
ClientSampled :
30320

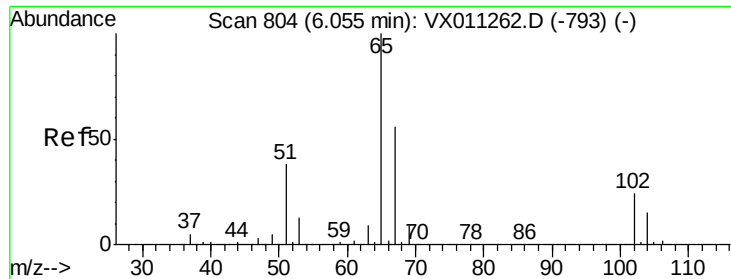
Tot Ion:	84	Resp:	142587
Ion	Ratio	Lower	Upper
84	100		
49	113.3	89.3	133.9
51	35.9	28.3	42.5
86	63.3	54.5	81.7



#31
Cyclohexane
Concen: 9.362 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX011364.D
Acq: 07 Aug 2019 15:33

Tgt Ion:	56	Resp:	26169
Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.5	38.3
84	99.0	75.0	112.4

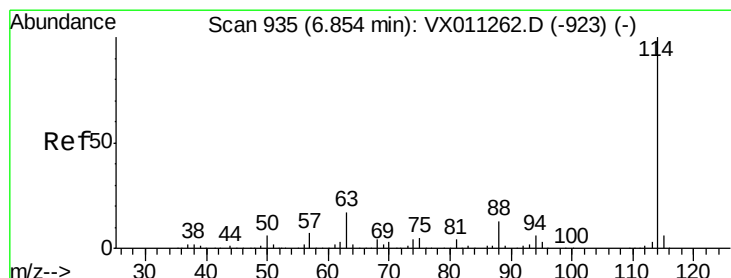
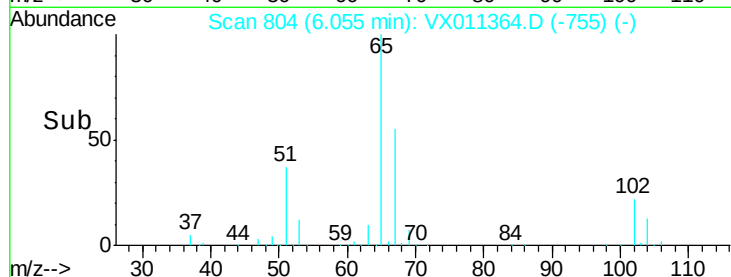
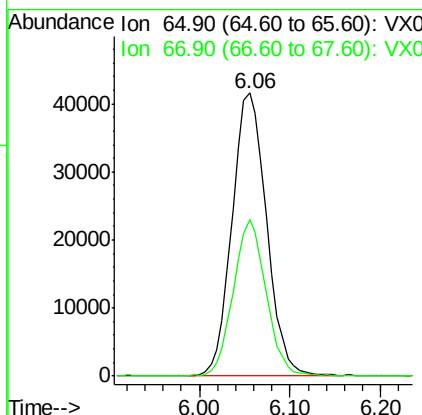
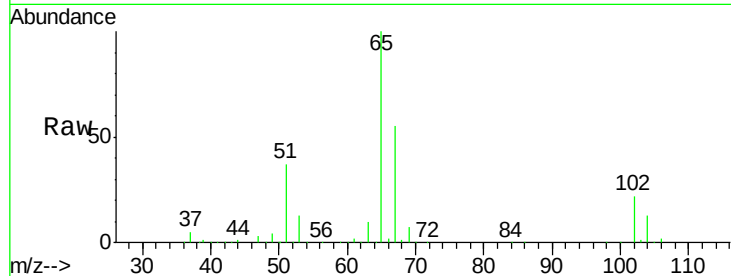




#33
 1,2-Dichloroethane-d4
 Concen: 50.668 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011364.D
 Acq: 07 Aug 2019 15:33

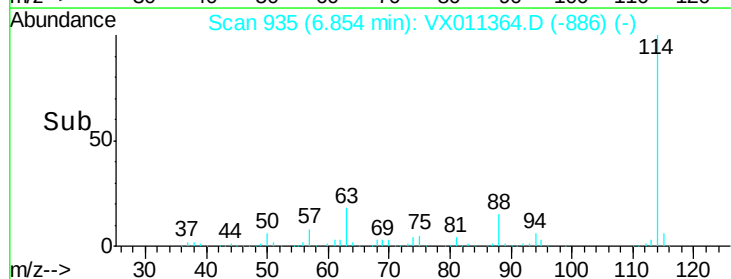
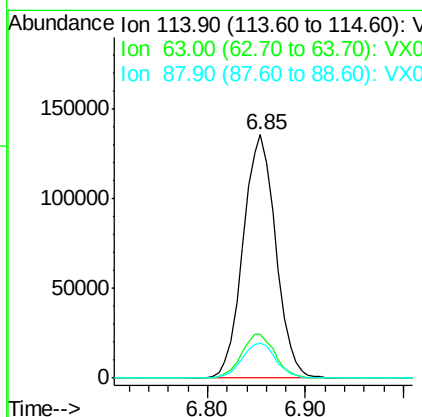
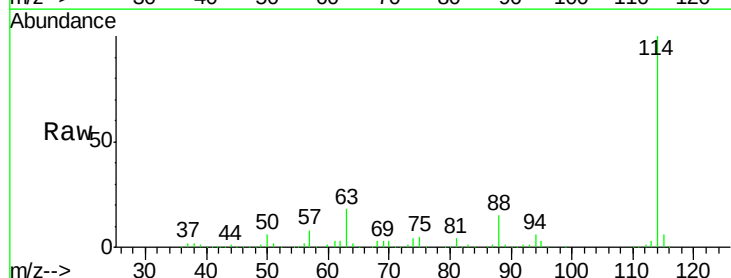
Instrument :
 MSVOA_X
 ClientSampleId :
 30320

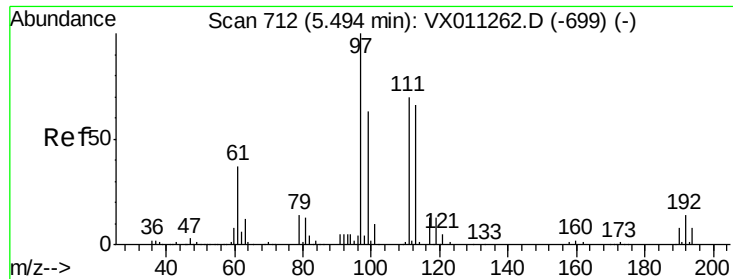
Tot Ion: 65 Resp: 109977
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011364.D
 Acq: 07 Aug 2019 15:33

Tgt Ion: 114 Resp: 313446
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 34.0
 88 14.5 0.0 26.4

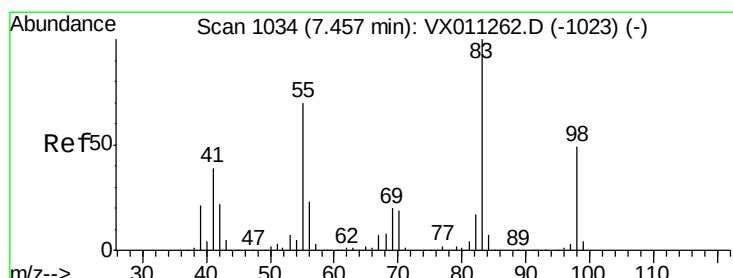
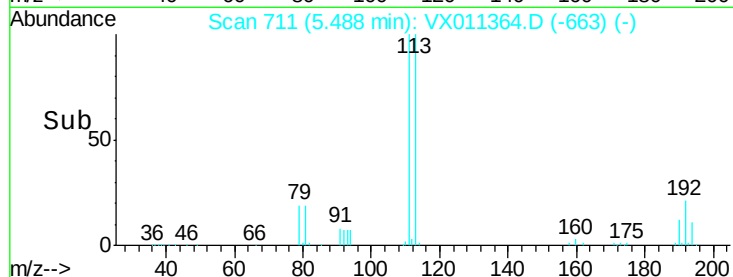
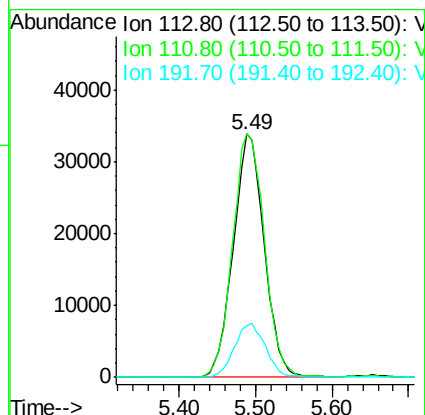
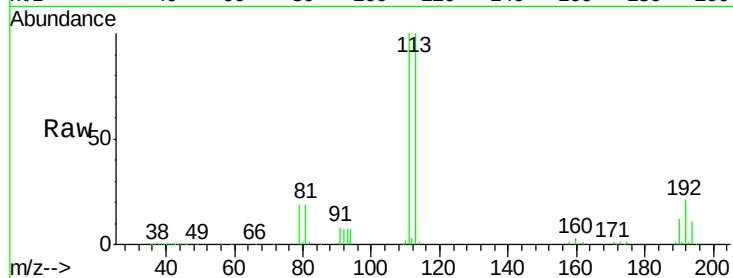




#35
 Dibromofluoromethane
 Concen: 46.311 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011364.D
 Acq: 07 Aug 2019 15:33

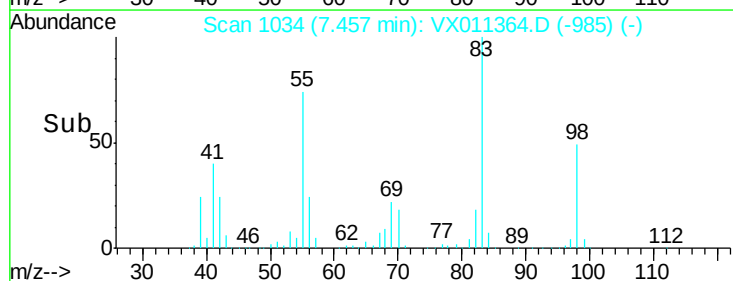
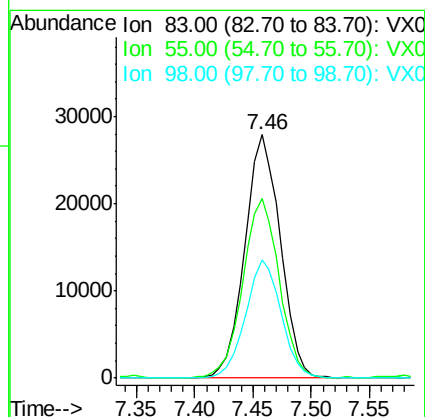
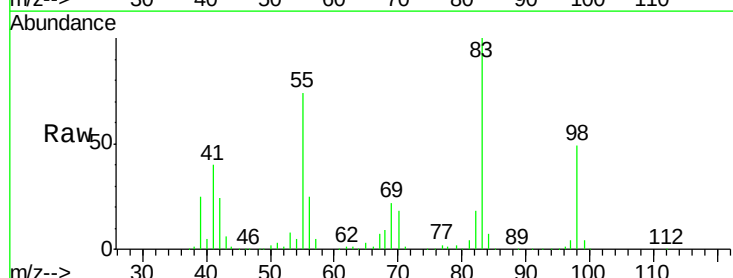
Instrument :
 MSVOA_X
 ClientSampled :
 30320

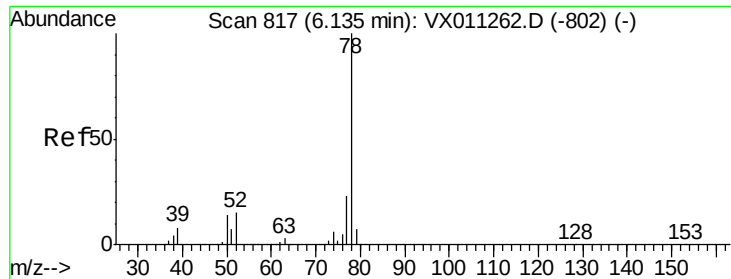
Tot Ion:113 Resp: 94772
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.9 122.9
 192 22.4 17.8 26.8



#39
 Methylcyclohexane
 Concen: 18.299 ug/l
 RT: 7.46 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: VX011364.D
 Acq: 07 Aug 2019 15:33

Tgt Ion: 83 Resp: 59359
 Ion Ratio Lower Upper
 83 100
 55 73.3 56.1 84.1
 98 48.7 39.0 58.4





#40

Benzene

Concen: 20.190 ug/l

RT: 6.13 min Scan# 817

Delta R.T. 0.00 min

Lab File: VX011364.D

Acq: 07 Aug 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

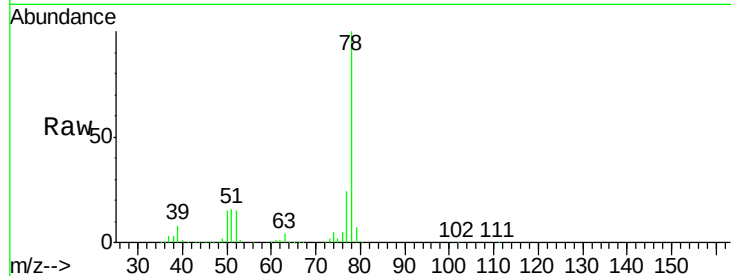
30320

Tot Ion: 78 Resp: 164878

Ion Ratio Lower Upper

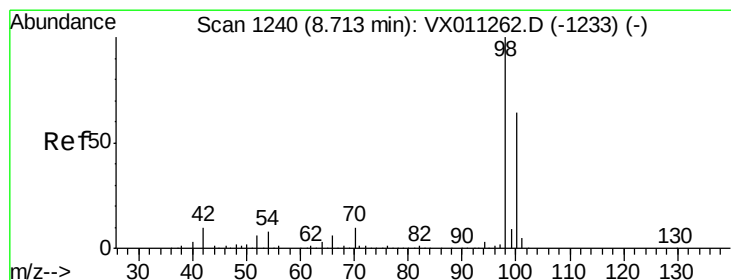
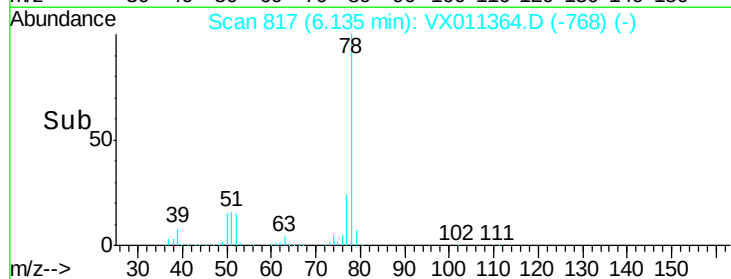
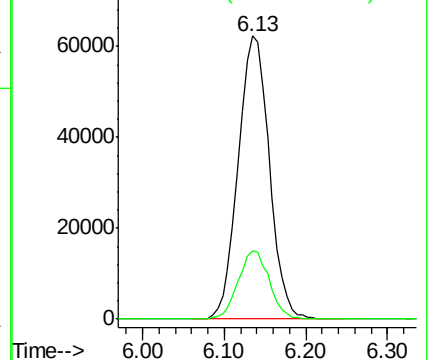
78 100

77 24.2 18.2 27.2



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 48.112 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011364.D

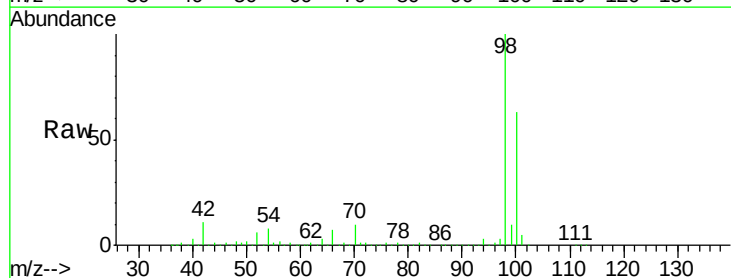
Acq: 07 Aug 2019 15:33

Tgt Ion: 98 Resp: 371648

Ion Ratio Lower Upper

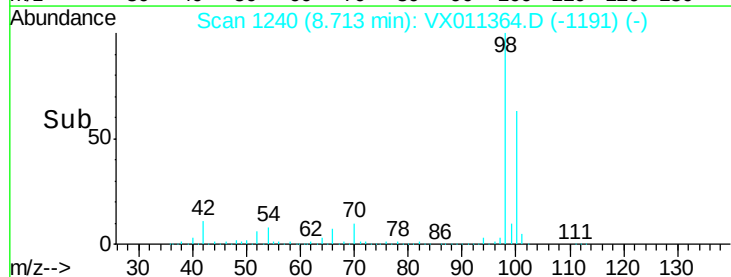
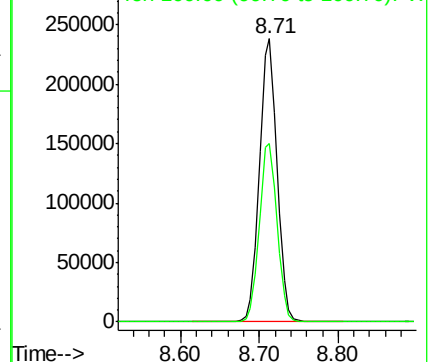
98 100

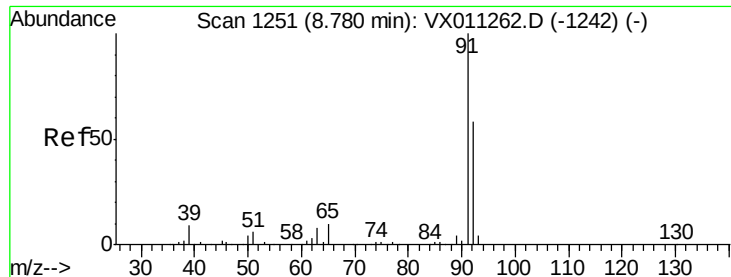
100 63.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 30.704 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011364.D

Acq: 07 Aug 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

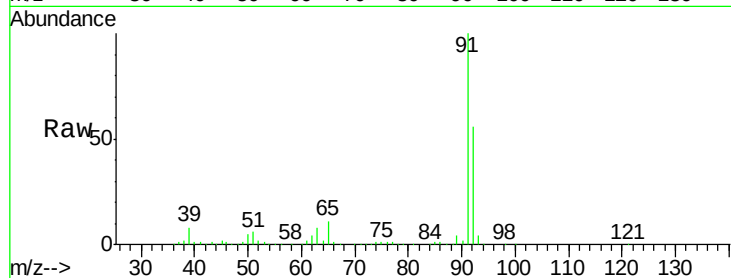
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Tot Ion: 92 Resp: 165785

Ion Ratio Lower Upper

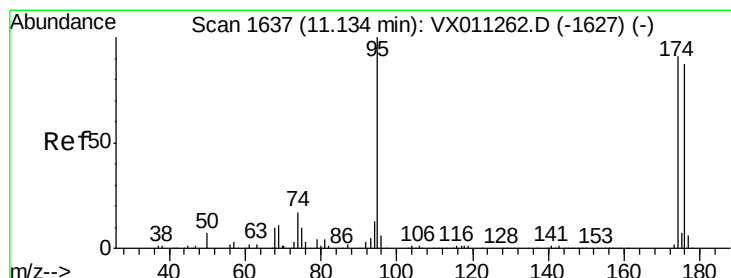
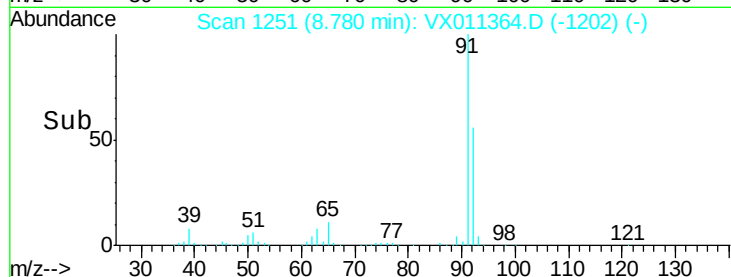
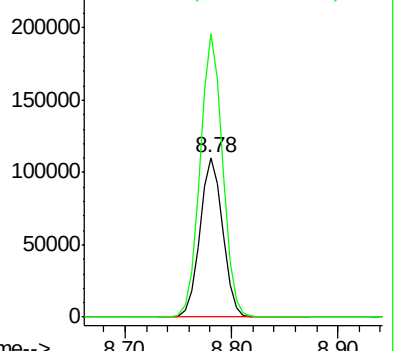
92 100

91 176.2 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 48.293 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011364.D

Acq: 07 Aug 2019 15:33

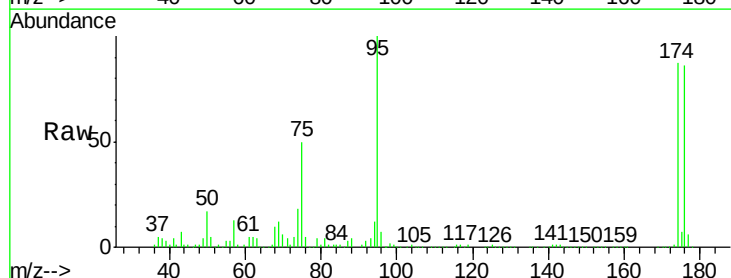
Tgt Ion: 95 Resp: 133186

Ion Ratio Lower Upper

95 100

174 90.7 0.0 191.2

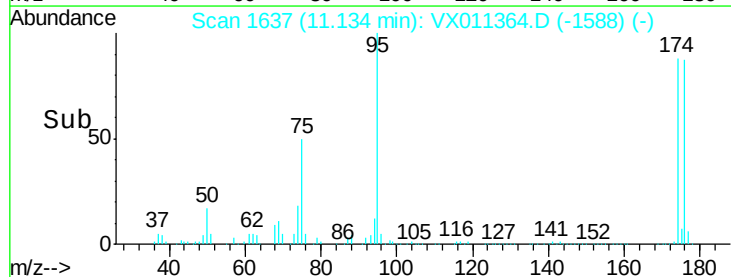
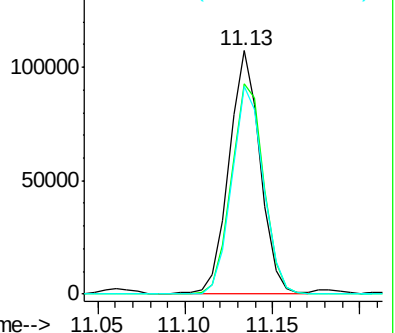
176 87.5 0.0 184.8

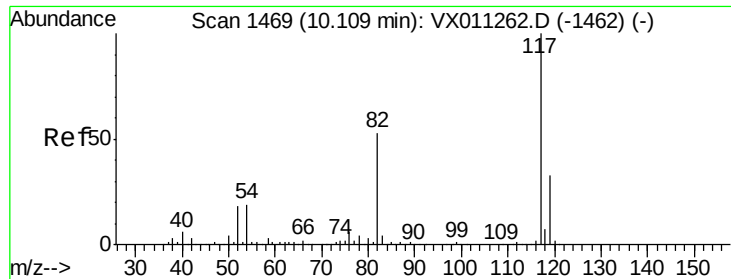


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

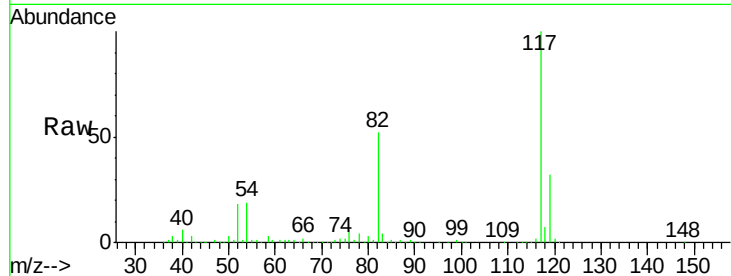




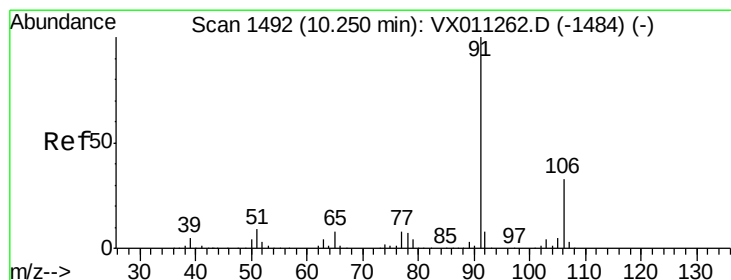
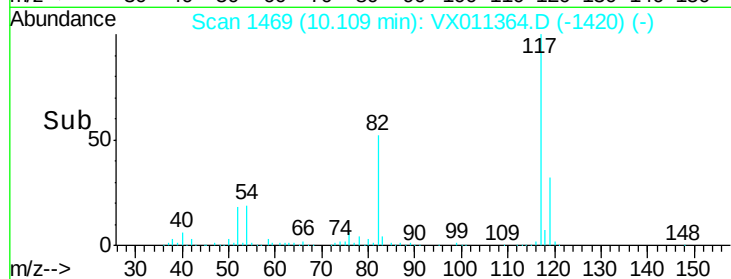
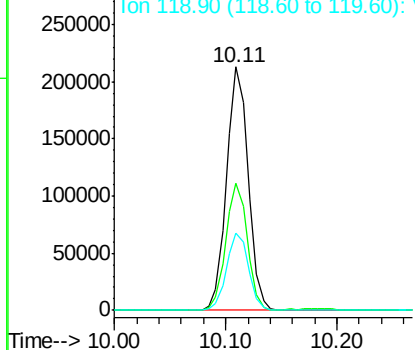
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011364.D
Acq: 07 Aug 2019 15:33

Instrument :
MSVOA_X
ClientSampled :
30320

Tot Ion:117 Resp: 286603
Ion Ratio Lower Upper
117 100
82 52.0 42.2 63.2
119 31.6 26.6 39.8

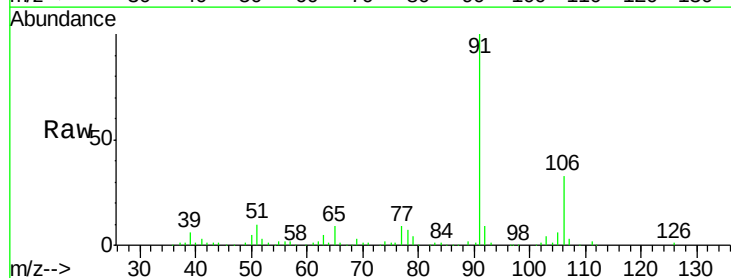


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

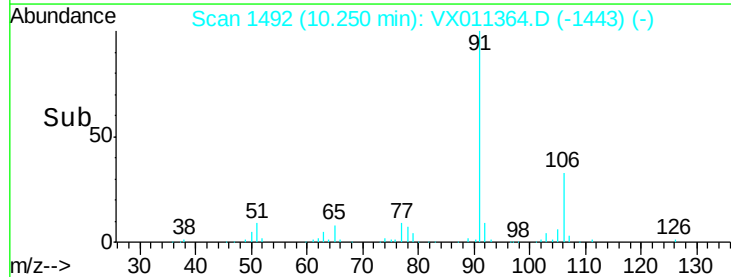
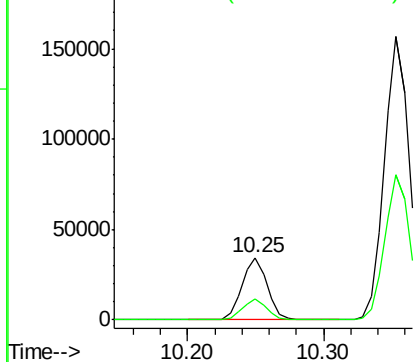


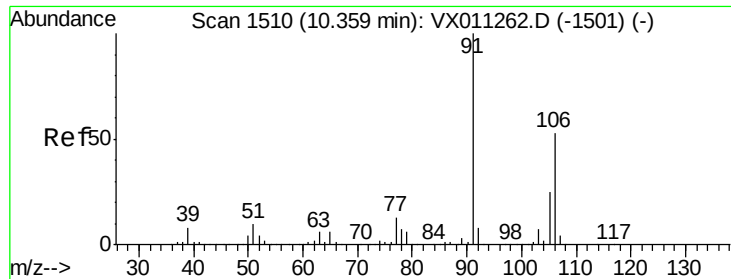
#67
Ethyl Benzene
Concen: 4.322 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011364.D
Acq: 07 Aug 2019 15:33

Tgt Ion: 91 Resp: 44485
Ion Ratio Lower Upper
91 100
106 32.9 26.2 39.4



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

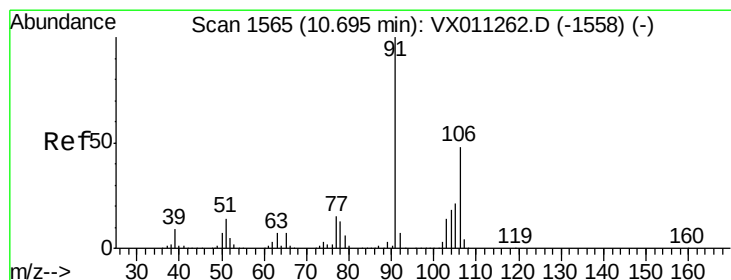
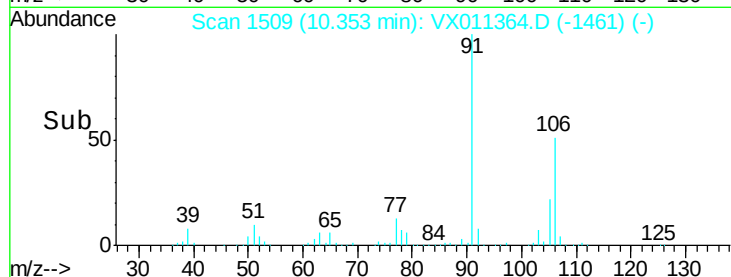
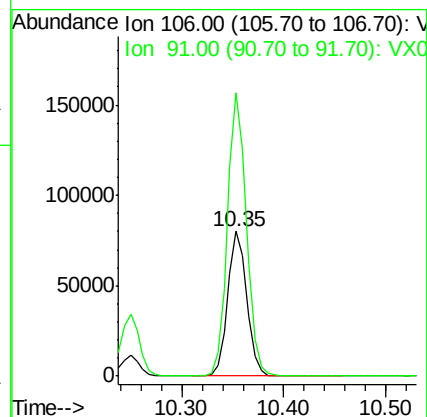
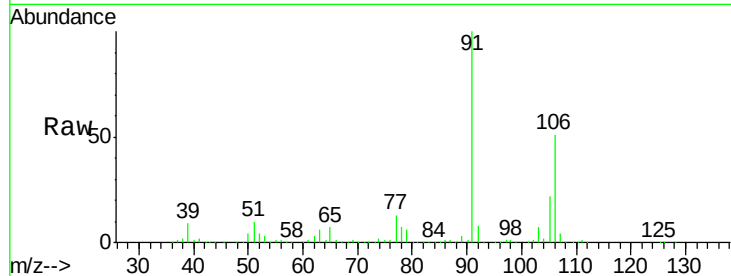




#68
m/p-Xylenes
Concen: 26.179 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011364.D
Acq: 07 Aug 2019 15:33

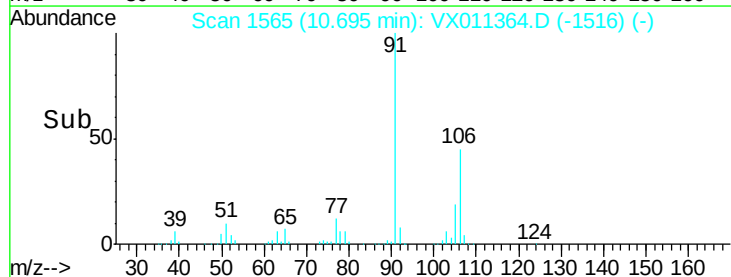
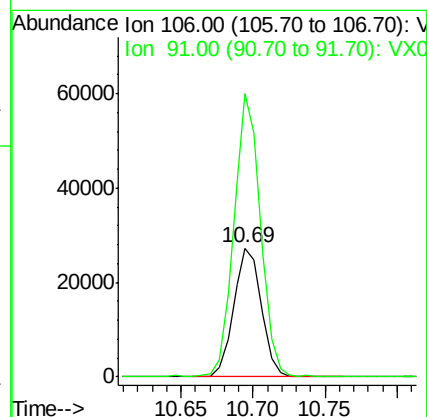
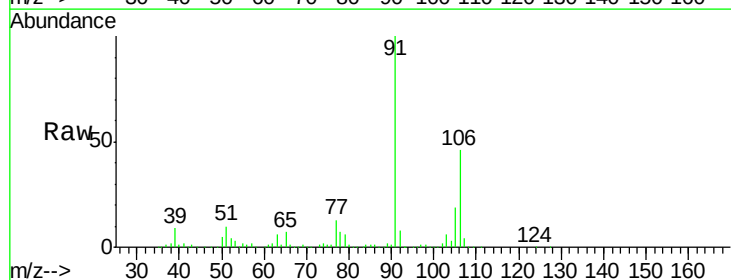
Instrument :
MSVOA_X
ClientSampleId :
30320

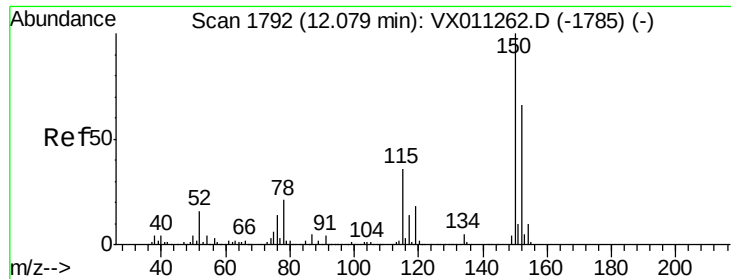
Tot Ion:106 Resp: 104212
Ion Ratio Lower Upper
106 100
91 194.0 155.9 233.9



#69
o-Xylene
Concen: 9.373 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011364.D
Acq: 07 Aug 2019 15:33

Tgt Ion:106 Resp: 36660
Ion Ratio Lower Upper
106 100
91 210.4 103.8 311.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011364.D

Acq: 07 Aug 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

30320

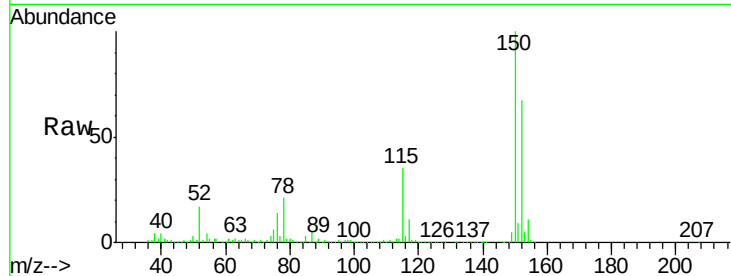
Tot Ion:152 Resp: 150946

Ion Ratio Lower Upper

152 100

115 56.5 40.0 119.9

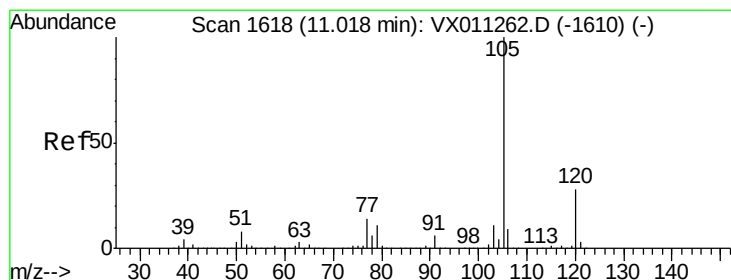
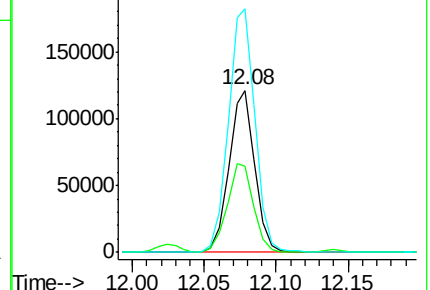
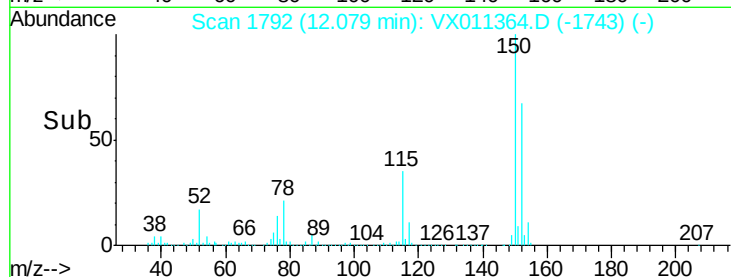
150 157.0 0.0 350.4



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: 1.040 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011364.D

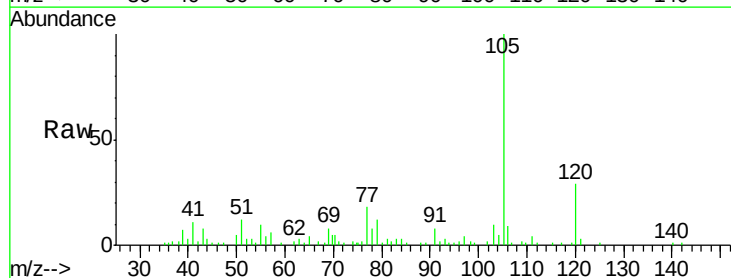
Acq: 07 Aug 2019 15:33

Tgt Ion:105 Resp: 10732

Ion Ratio Lower Upper

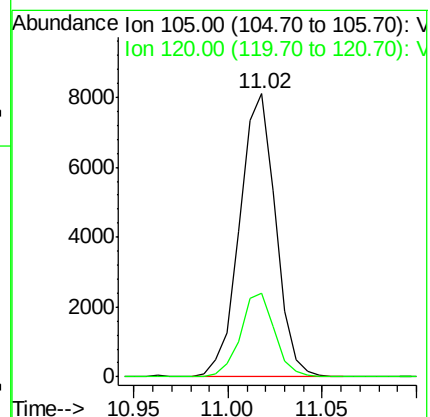
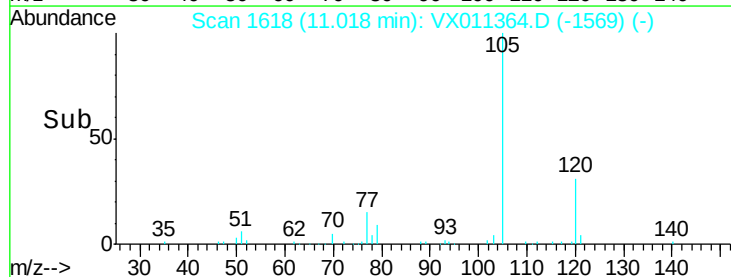
105 100

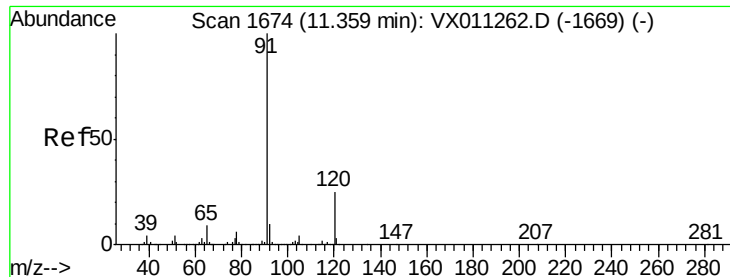
120 28.1 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.728 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011364.D

Acq: 07 Aug 2019 15:33

Instrument :

MSVOA_X

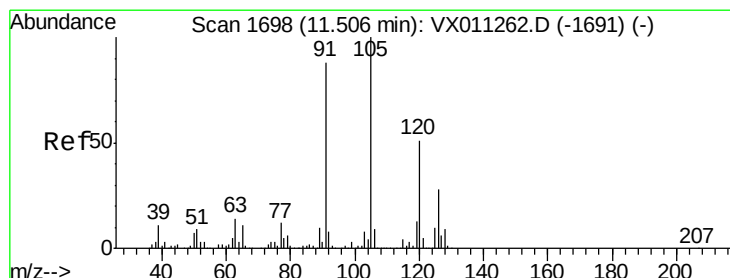
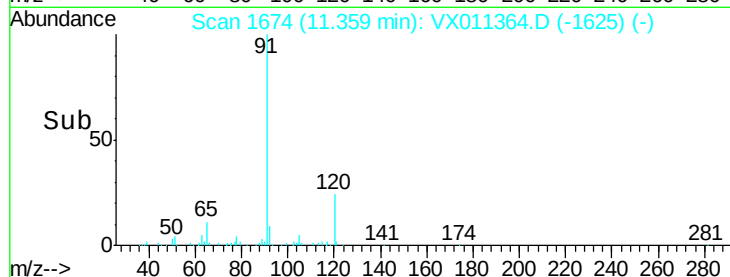
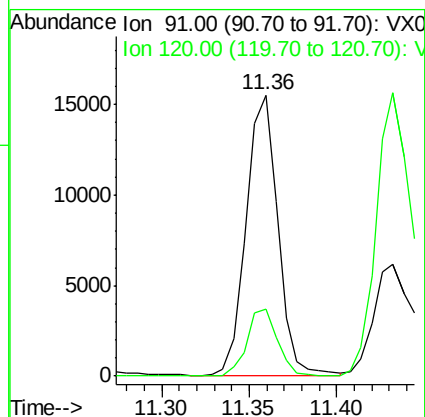
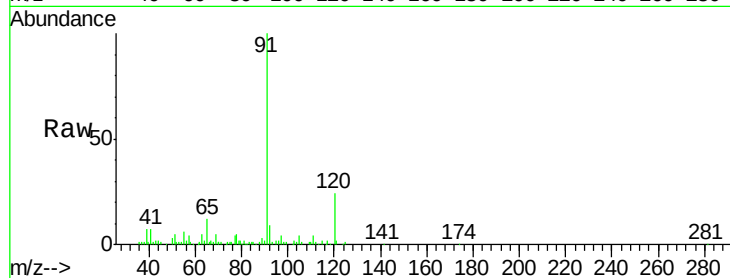
ClientSampled :
30320

Tot Ion: 91 Resp: 19841

Ion Ratio Lower Upper

91 100

120 23.1 12.4 37.0



#80

1,3,5-Trimethylbenzene

Concen: 6.237 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011364.D

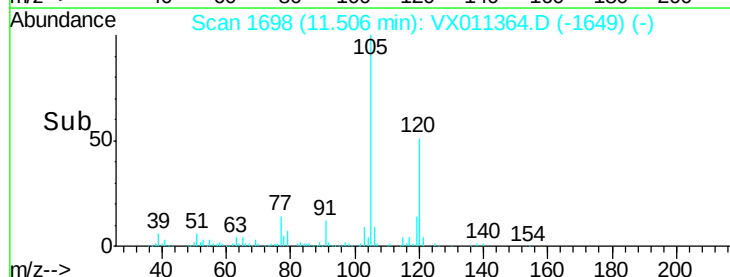
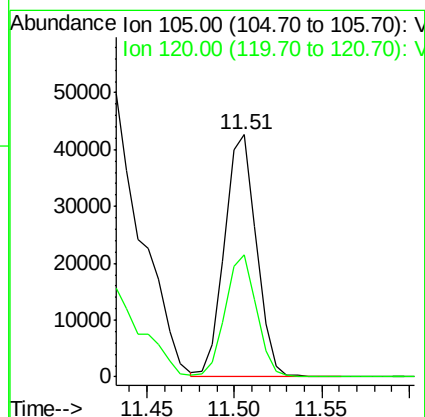
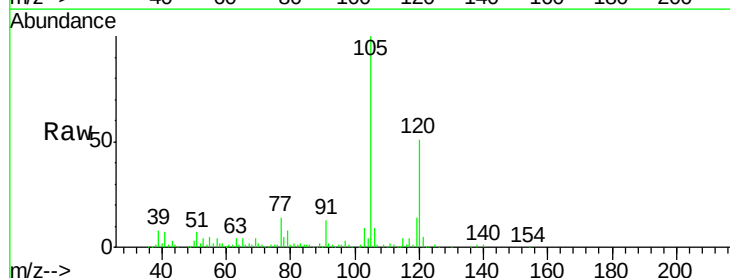
Acq: 07 Aug 2019 15:33

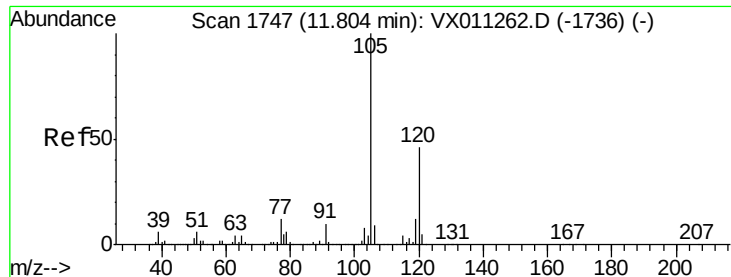
Tgt Ion:105 Resp: 53898

Ion Ratio Lower Upper

105 100

120 49.7 25.1 75.2

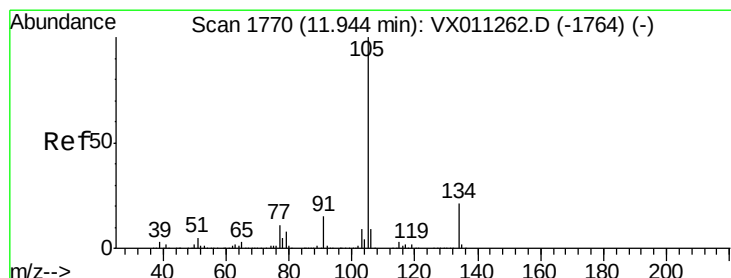
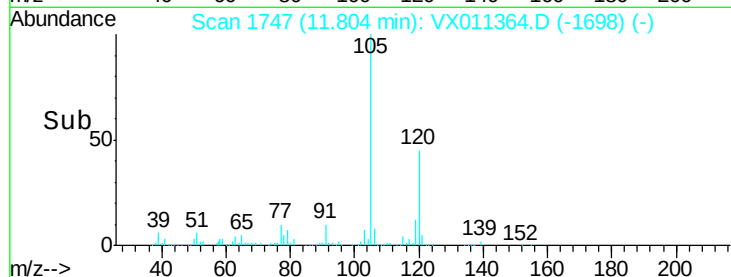
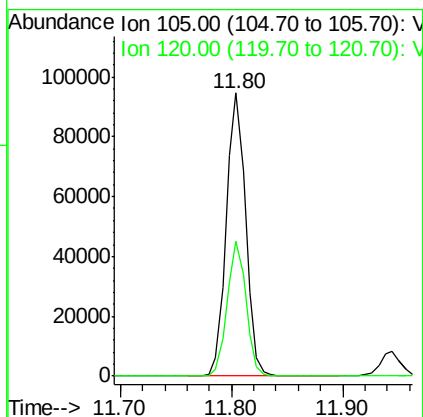
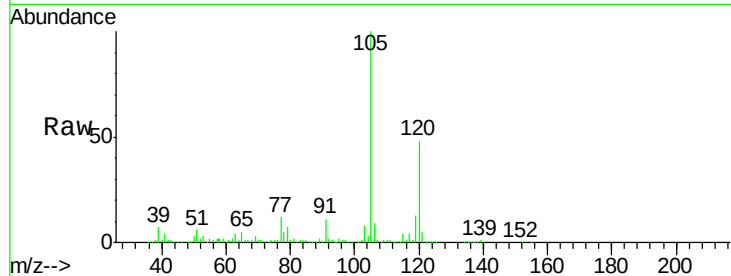




#84
 1,2,4-Trimethylbenzene
 Concen: 13.147 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011364.D
 Acq: 07 Aug 2019 15:33

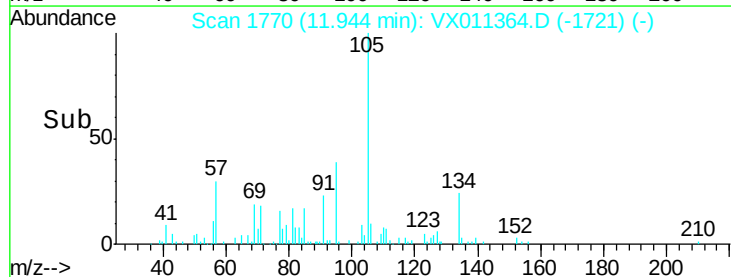
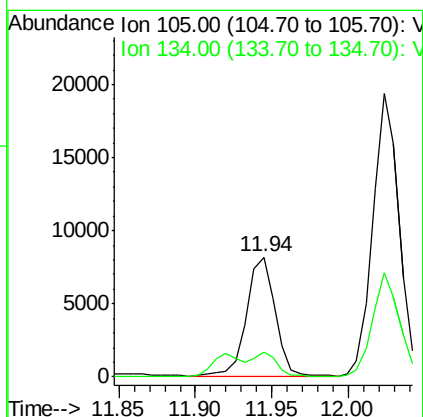
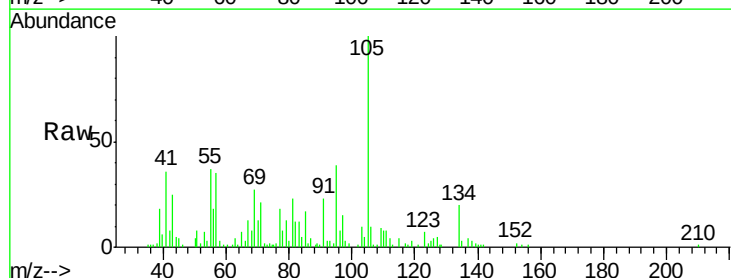
Instrument :
 MSVOA_X
 ClientSampleId :
 30320

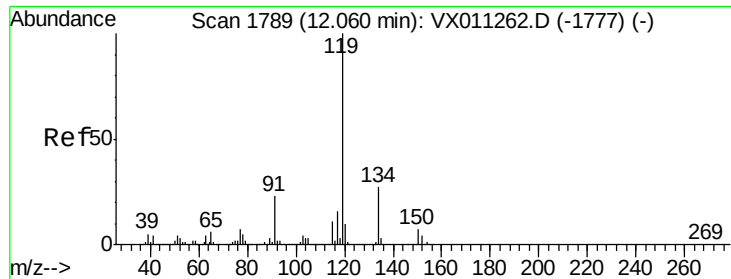
Tot Ion:105 Resp: 113123
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.0 69.0



#85
 sec-Butylbenzene
 Concen: 1.035 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX011364.D
 Acq: 07 Aug 2019 15:33

Tgt Ion:105 Resp: 10543
 Ion Ratio Lower Upper
 105 100
 134 17.3 10.4 31.4

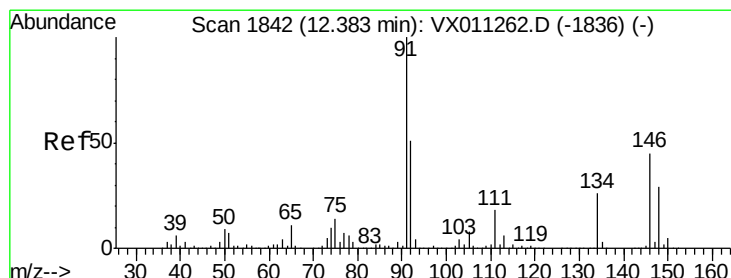
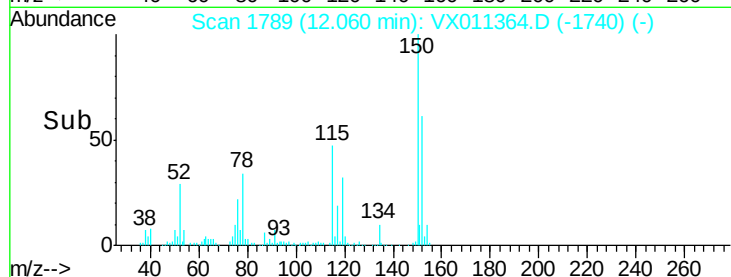
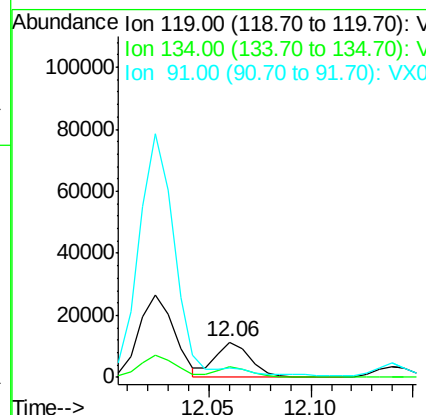
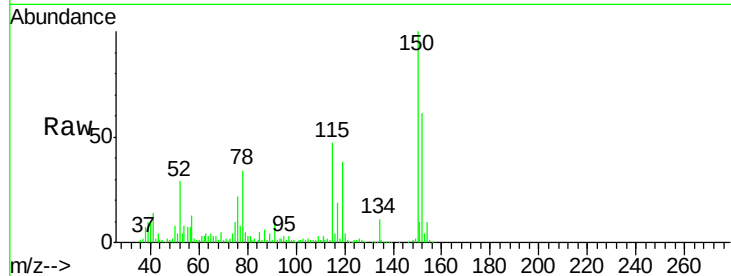




#86
 p-Isopropyltoluene
 Concen: 1.459 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX011364.D
 Acq: 07 Aug 2019 15:33

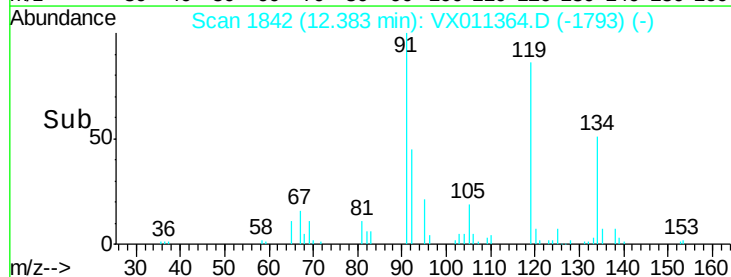
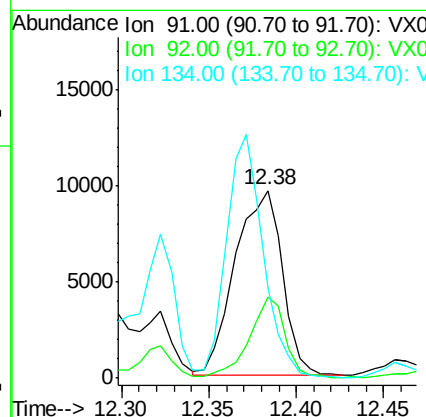
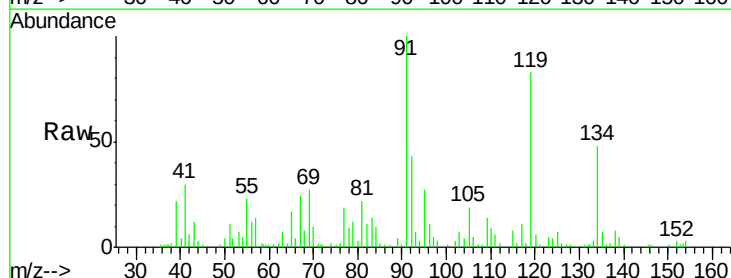
Instrument :
 MSVOA_X
 ClientSampled :
 30320

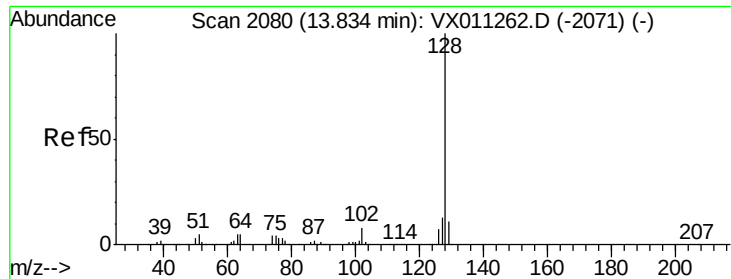
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.7	41.0
91	0.0	11.4	34.2#



#89
 n-Butylbenzene
 Concen: 2.232 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX011364.D
 Acq: 07 Aug 2019 15:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	33.5	25.8	77.3
134	103.7	13.7	41.0#





#95
Naphthalene
Concen: 5.127 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX011364.D
Acq: 07 Aug 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
30320

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	13.1	8.9	13.3

