

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100419\
 Data File : VX012814.D
 Acq On : 04 Oct 2019 16:11
 Operator : JC/SP
 Sample : K5176-02MEDL 4X
 Misc : 5.02g/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30440-30377

Quant Time: Oct 07 09:35:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	165546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	280720	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	246791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	104446	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	110517	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	
35) Dibromofluoromethane	5.48	113	85063	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	8.71	98	338404	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
62) 4-Bromofluorobenzene	11.14	95	123081	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	

Target Compounds

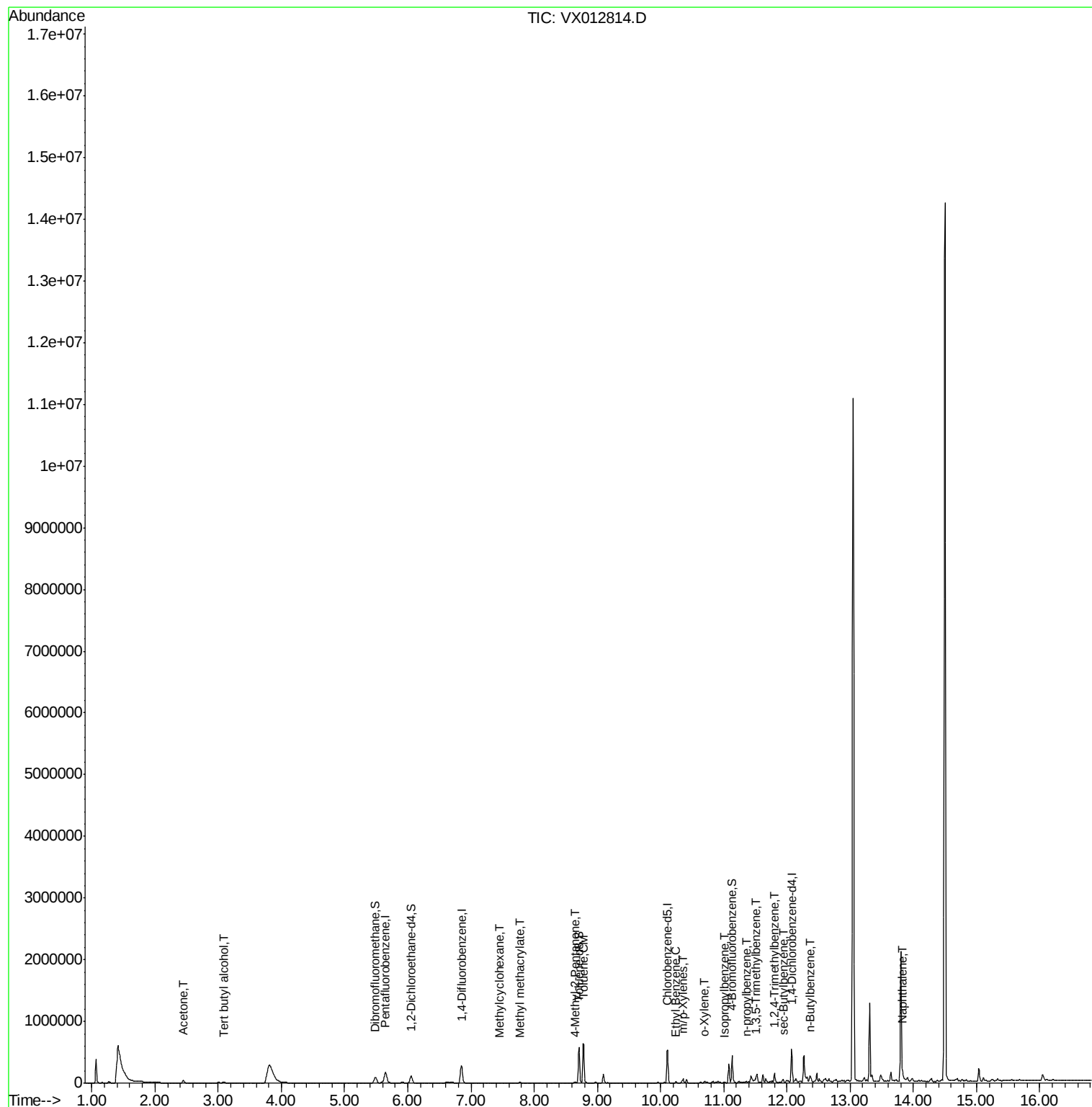
					Qvalue
11) Tert butyl alcohol	3.09	59	26631m	44.223	ug/l
16) Acetone	2.45	43	56197	44.011	ug/l
39) Methylcyclohexane	7.46	83	2068	0.635	ug/l
48) Methyl methacrylate	7.77	41	6797	2.680	ug/l
51) 4-Methyl-2-Pentanone	8.64	43	13023	3.988	ug/l
52) Toluene	8.78	92	252787	50.519	ug/l
67) Ethyl Benzene	10.25	91	12651	1.342	ug/l
68) m/p-Xylenes	10.36	106	16300	4.616	ug/l
69) o-Xylene	10.70	106	6846	2.004	ug/l
73) Isopropylbenzene	11.02	105	4504	0.529	ug/l
78) n-propylbenzene	11.35	91	17481	1.825	ug/l
80) 1,3,5-Trimethylbenzene	11.50	105	20966	2.939	ug/l
84) 1,2,4-Trimethylbenzene	11.80	105	71588	9.948	ug/l
85) sec-Butylbenzene	11.94	105	9235	1.154	ug/l
89) n-Butylbenzene	12.38	91	18081	2.841	ug/l #
95) Naphthalene	13.83	128	28844	3.769	ug/l #

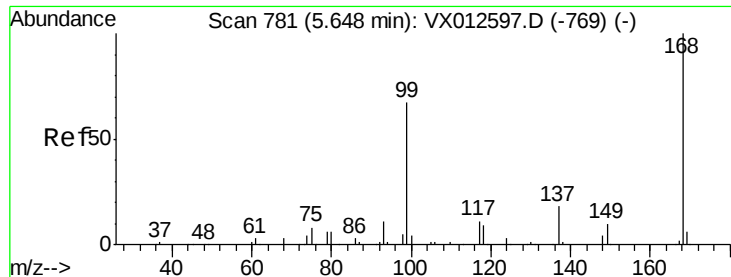
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100419\
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Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012814.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

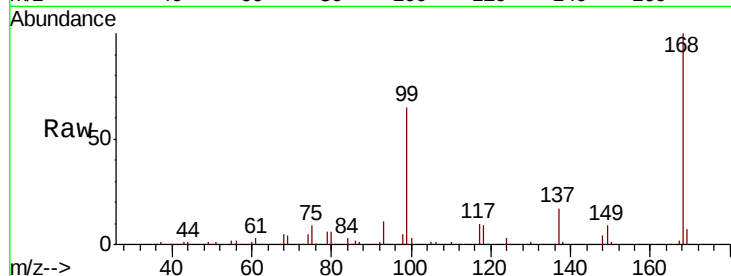
30440-30377

Tot Ion:168 Resp: 165546

Ion Ratio Lower Upper

168 100

99 64.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

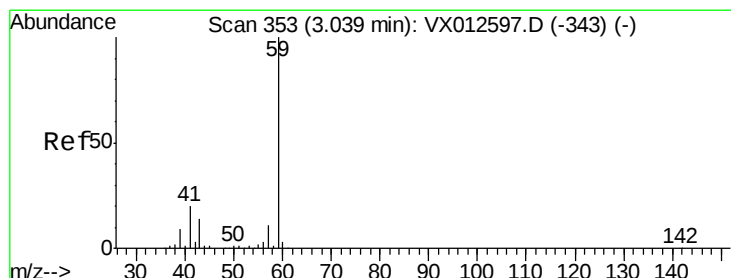
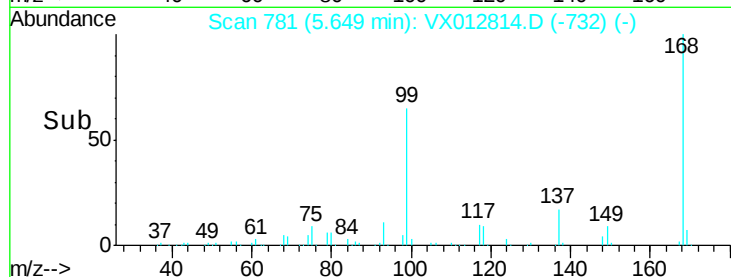
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 44.223 ug/l m

RT: 3.09 min Scan# 361

Delta R.T. 0.05 min

Lab File: VX012814.D

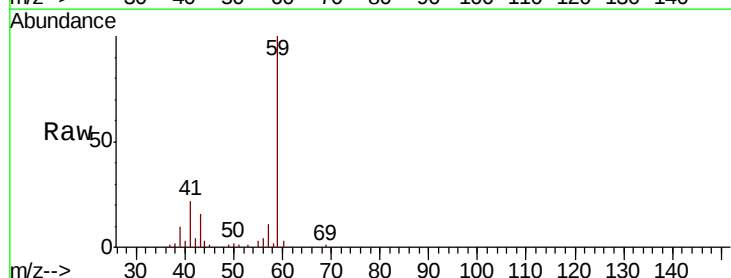
Acq: 04 Oct 2019 16:11

Tgt Ion: 59 Resp: 26631

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.09

12000

10000

8000

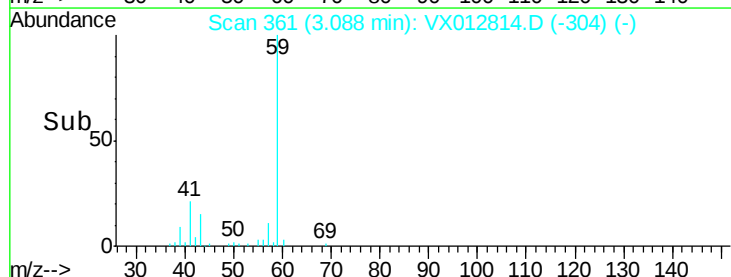
6000

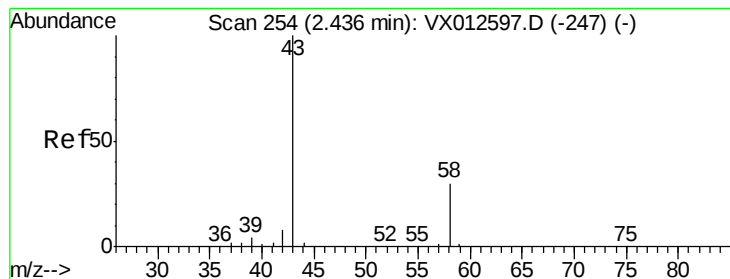
4000

2000

0

Time--> 3.00 3.05 3.10 3.15





#16

Acetone

Concen: 44.011 ug/l

RT: 2.45 min Scan# 256

Delta R.T. 0.01 min

Lab File: VX012814.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

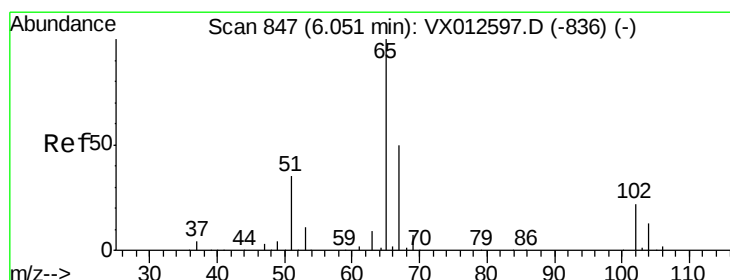
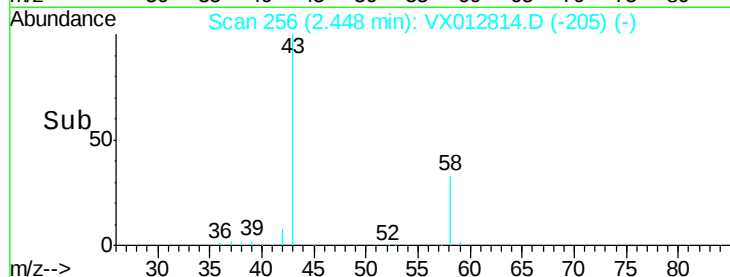
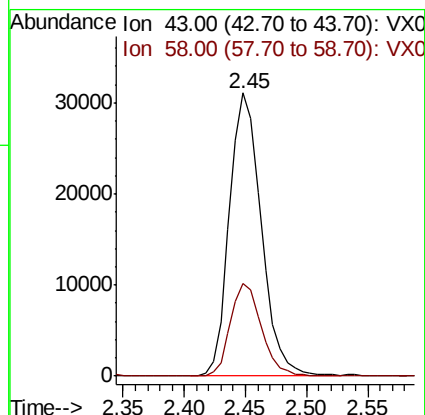
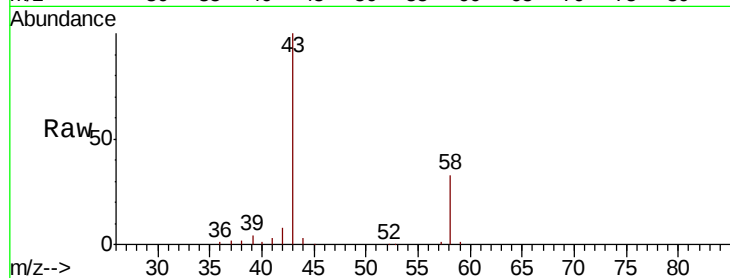
30440-30377

Tot Ion: 43 Resp: 56197

Ion Ratio Lower Upper

43 100

58 32.9 23.3 34.9



#33

1,2-Dichloroethane-d4

Concen: 45.845 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012814.D

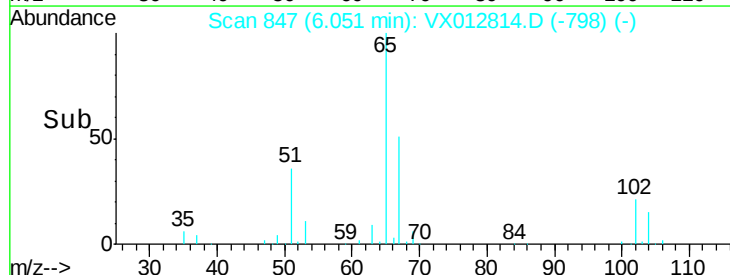
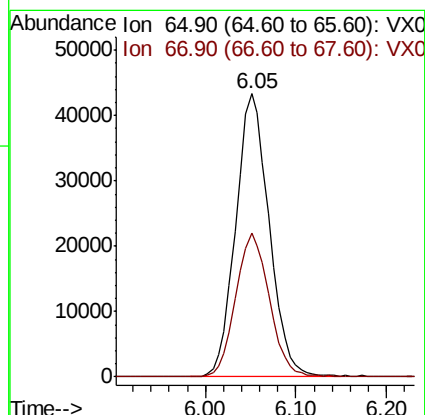
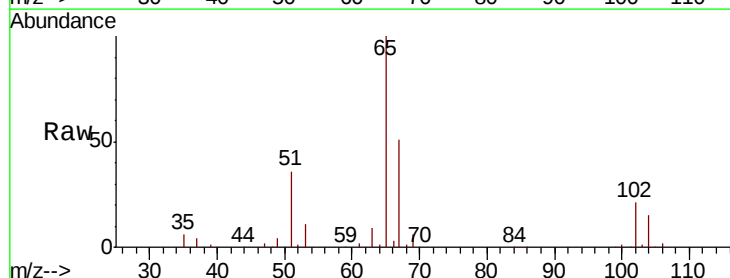
Acq: 04 Oct 2019 16:11

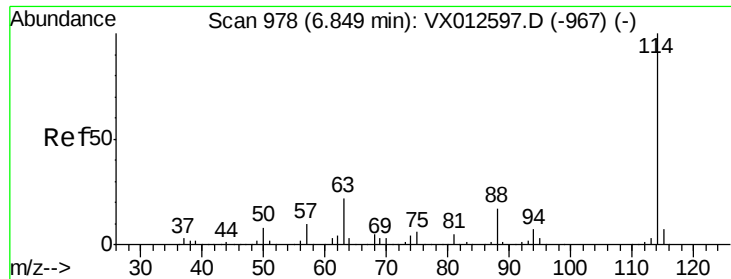
Tgt Ion: 65 Resp: 110517

Ion Ratio Lower Upper

65 100

67 51.2 0.0 101.2

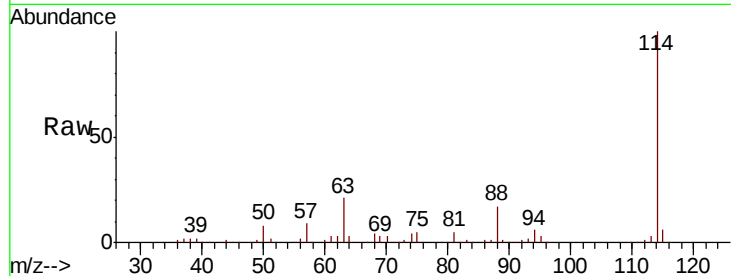




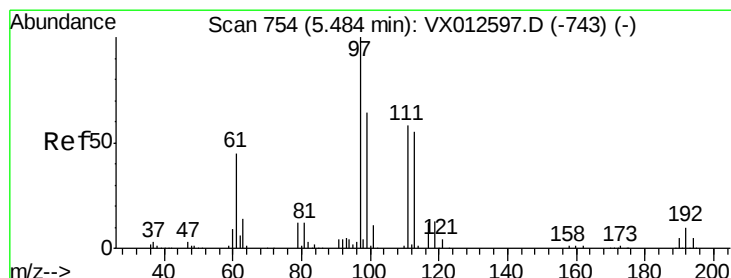
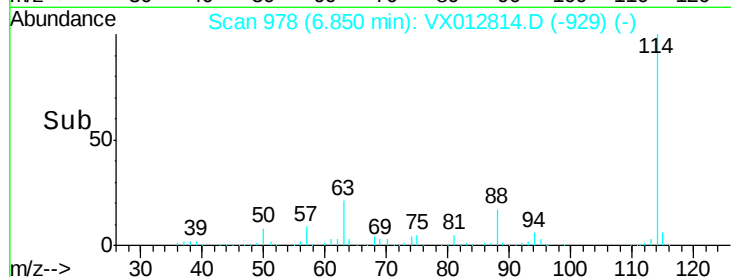
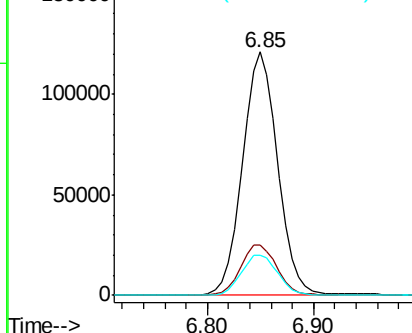
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX012814.D
Acq: 04 Oct 2019 16:11

Instrument :
MSVOA_X
ClientSampleId :
30440-30377

Tot Ion:114 Resp: 280720
Ion Ratio Lower Upper
114 100
63 20.8 0.0 43.2
88 16.7 0.0 33.2

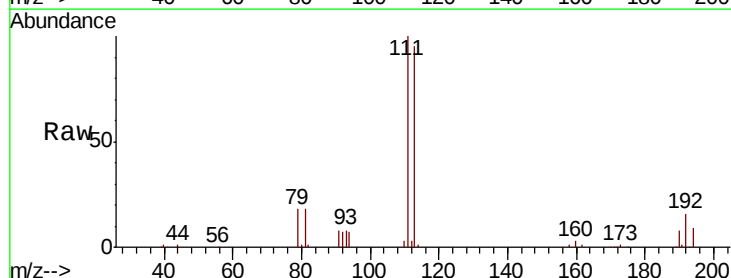


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

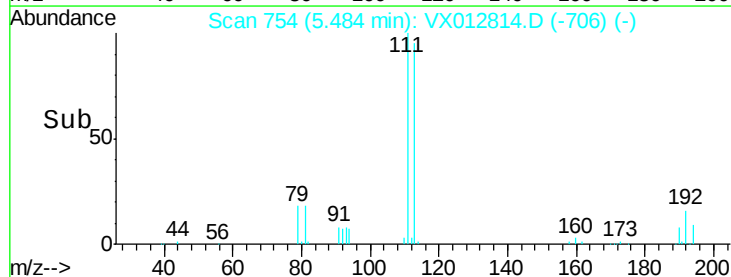
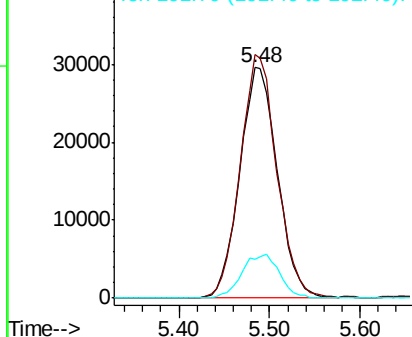


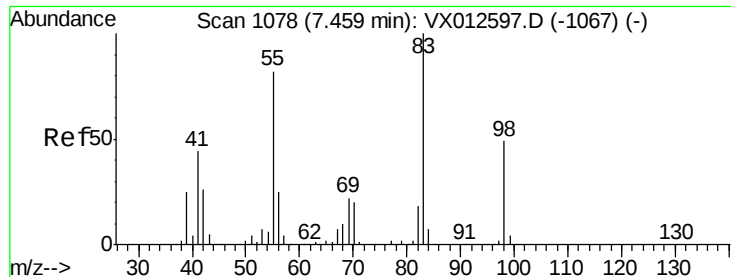
#35
Dibromofluoromethane
Concen: 50.881 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX012814.D
Acq: 04 Oct 2019 16:11

Tgt Ion:113 Resp: 85063
Ion Ratio Lower Upper
113 100
111 102.5 83.4 125.2
192 19.2 14.4 21.6



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

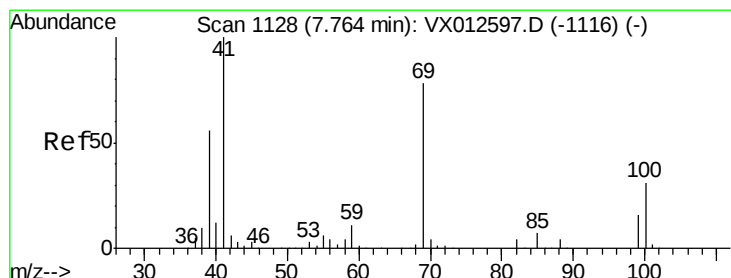
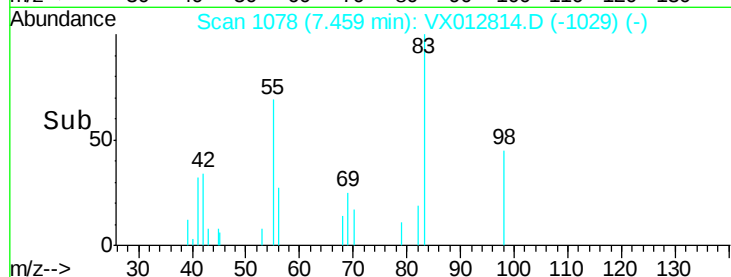
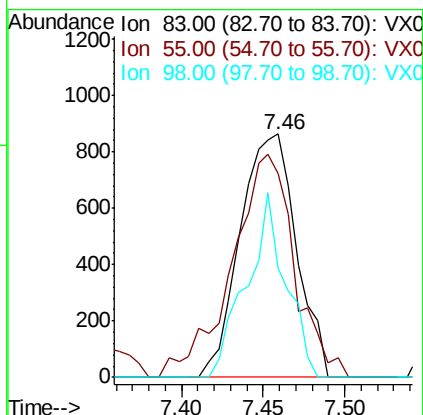
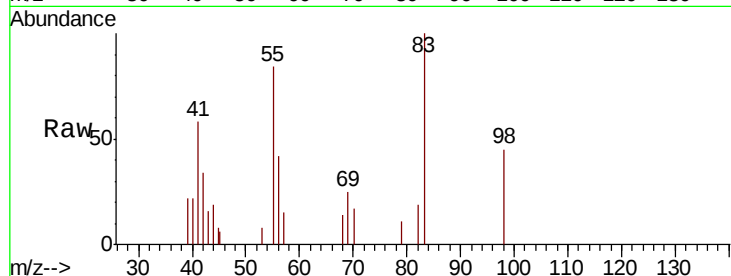




#39
Methylvlcvclohexane
Concen: 0.635 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012814.D
Acq: 04 Oct 2019 16:11

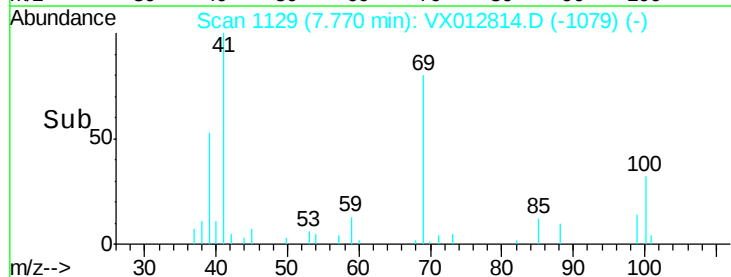
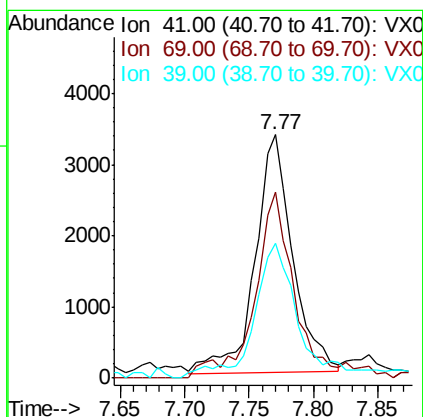
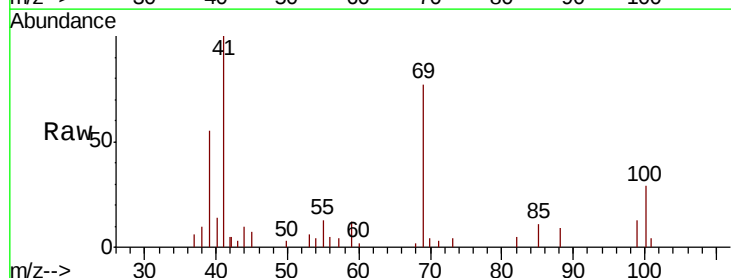
Instrument :
MSVOA_X
ClientSampleId :
30440-30377

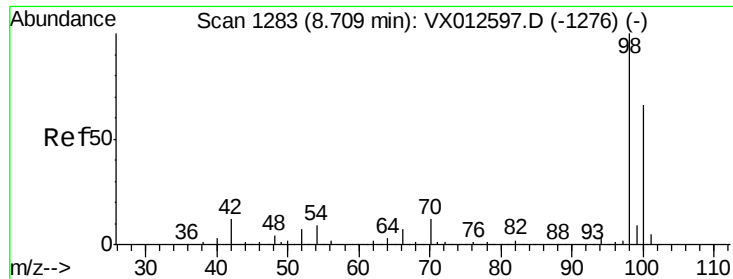
Tot Ion: 83 Resp: 2068
Ion Ratio Lower Upper
83 100
55 75.8 64.4 96.6
98 44.8 40.1 60.1



#48
Methyl methacrylate
Concen: 2.680 ug/l
RT: 7.77 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX012814.D
Acq: 04 Oct 2019 16:11

Tgt Ion: 41 Resp: 6797
Ion Ratio Lower Upper
41 100
69 68.0 59.9 89.9
39 66.5 47.8 71.6





#50

Toluene-d8

Concen: 52.562 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012814.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

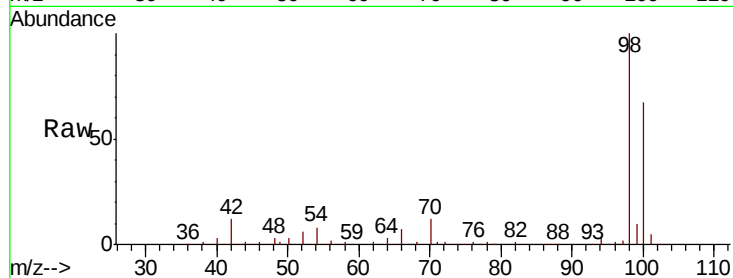
30440-30377

Tot Ion: 98 Resp: 338404

Ion Ratio Lower Upper

98 100

100 66.1 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

250000

200000

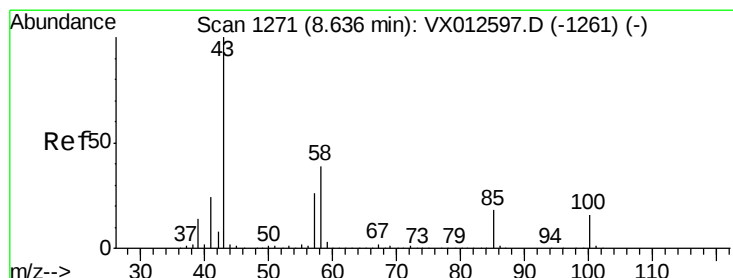
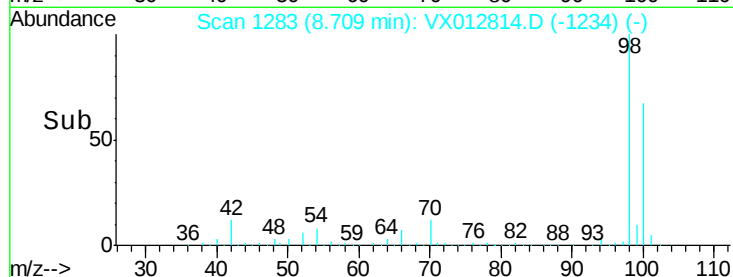
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 3.988 ug/l

RT: 8.64 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VX012814.D

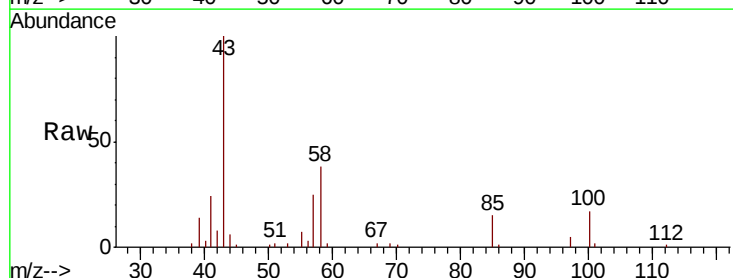
Acq: 04 Oct 2019 16:11

Tgt Ion: 43 Resp: 13023

Ion Ratio Lower Upper

43 100

58 39.7 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

8000

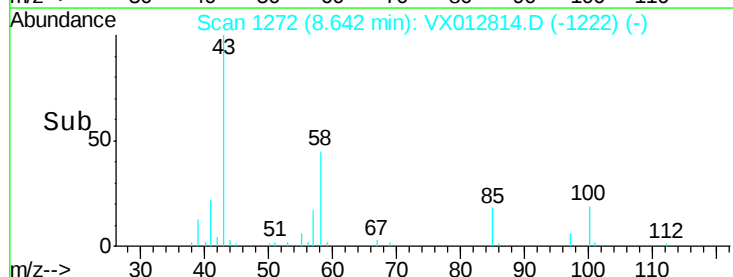
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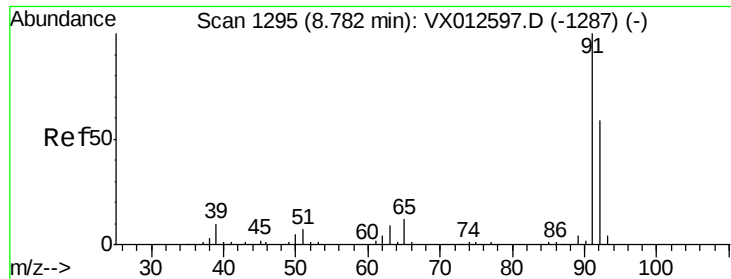
4000

2000

0

Time-->





#52

Toluene

Concen: 50.519 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012814.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

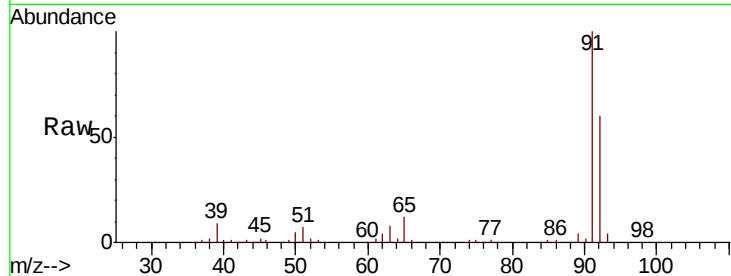
30440-30377

Tot Ion: 92 Resp: 252787

Ion Ratio Lower Upper

92 100

91 167.7 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

300000

250000

200000

150000

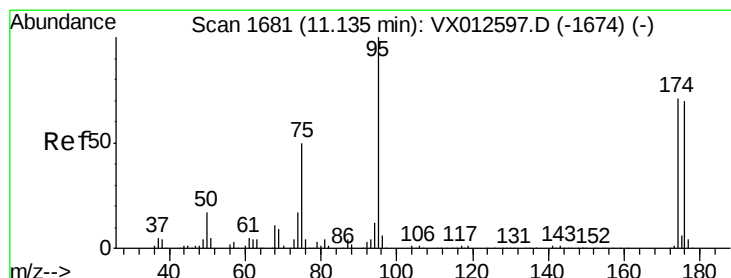
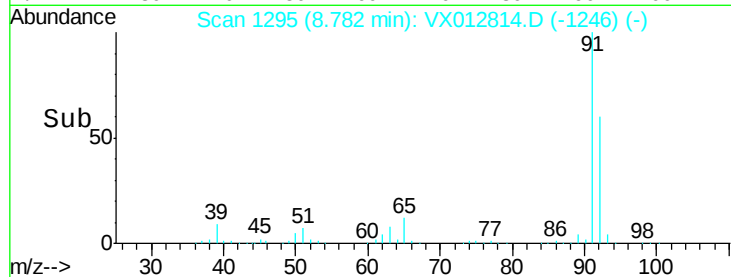
100000

50000

0

8.70 8.80 8.90 9.00

Time-->



#62

4-Bromofluorobenzene

Concen: 48.619 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012814.D

Acq: 04 Oct 2019 16:11

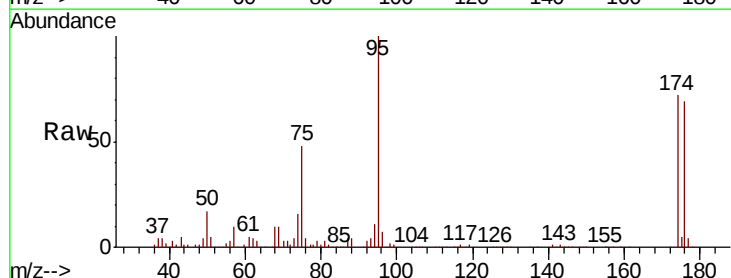
Tgt Ion: 95 Resp: 123081

Ion Ratio Lower Upper

95 100

174 69.6 0.0 140.0

176 67.8 0.0 135.4



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

120000

100000

80000

60000

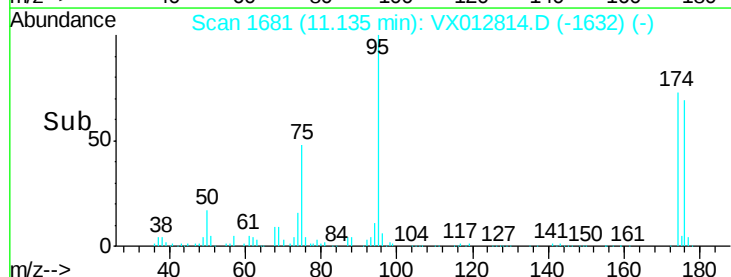
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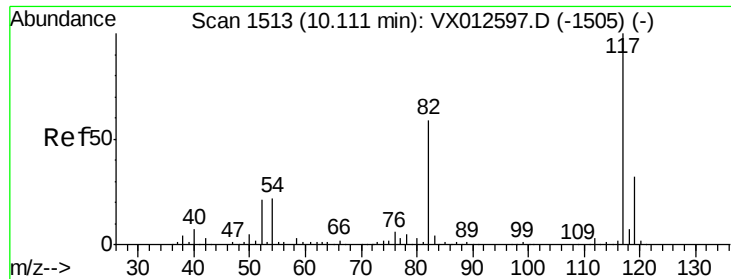
20000

0

11.10 11.20

Time-->

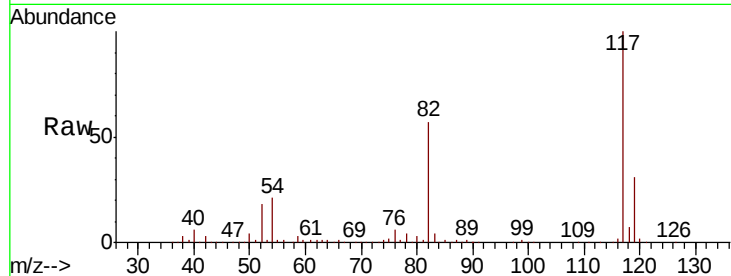




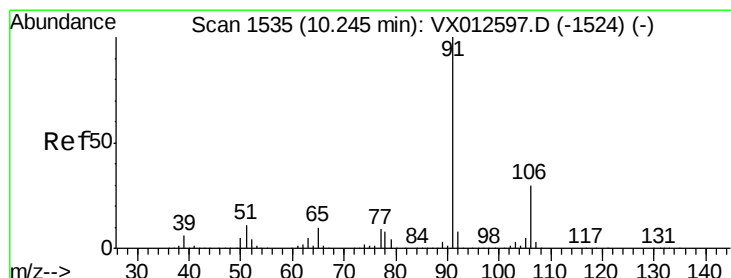
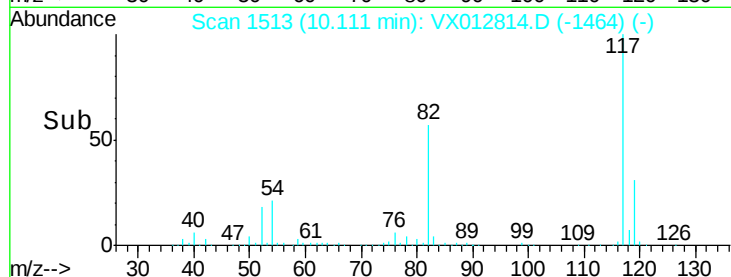
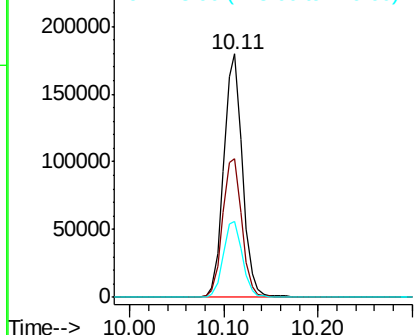
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012814.D
Acq: 04 Oct 2019 16:11

Instrument :
MSVOA_X
ClientSampleId :
30440-30377

Tot Ion:117 Resp: 246791
Ion Ratio Lower Upper
117 100
82 57.2 45.9 68.9
119 31.3 25.3 37.9

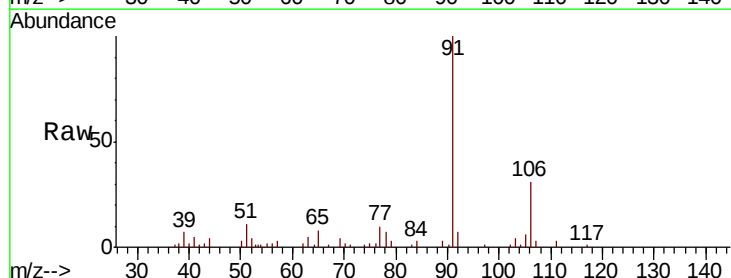


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

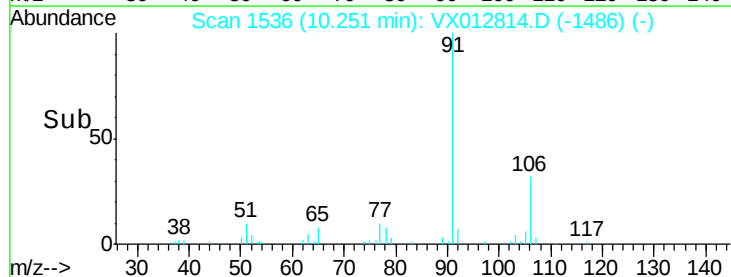
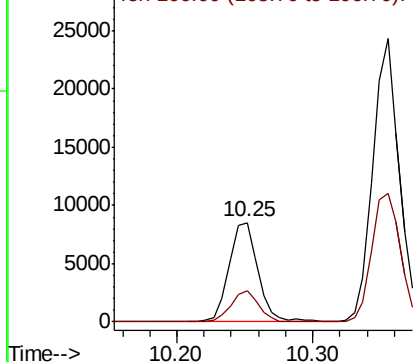


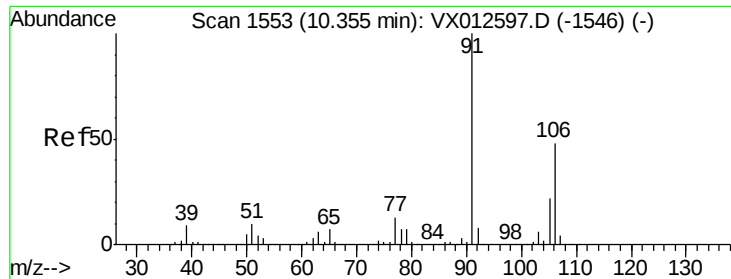
#67
Ethyl Benzene
Concen: 1.342 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX012814.D
Acq: 04 Oct 2019 16:11

Tgt Ion: 91 Resp: 12651
Ion Ratio Lower Upper
91 100
106 31.1 24.6 37.0



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

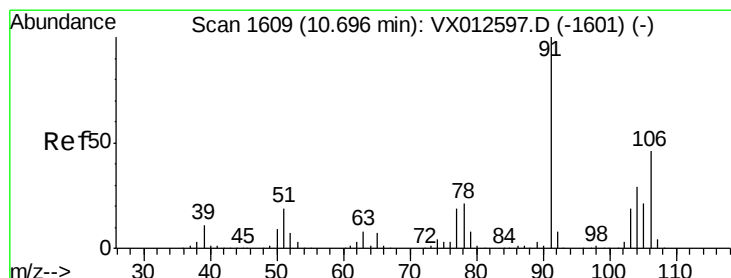
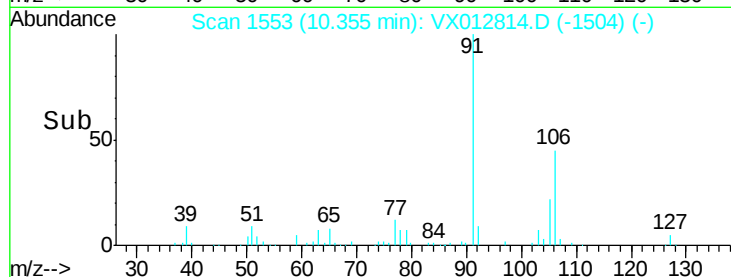
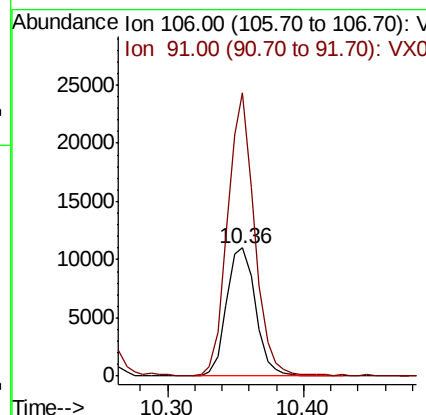
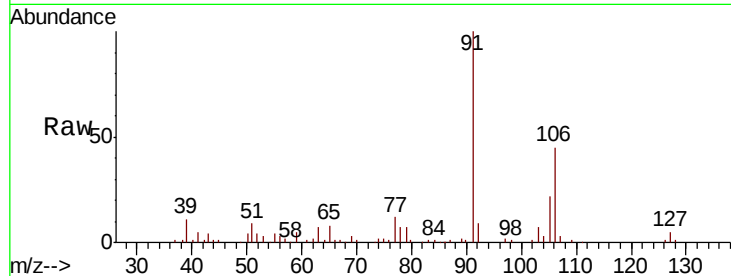




#68
m/p-Xylenes
Concen: 4.616 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012814.D
Acq: 04 Oct 2019 16:11

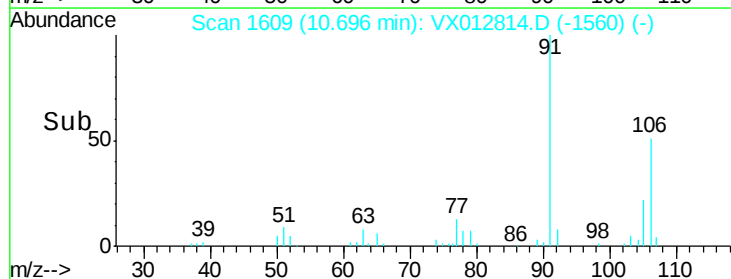
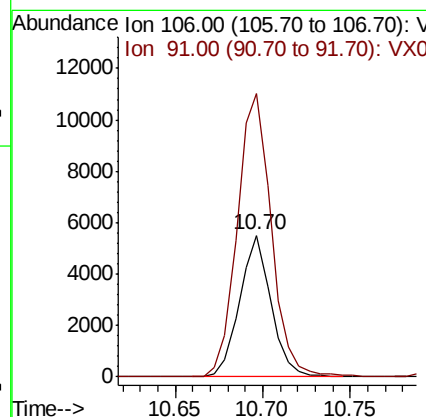
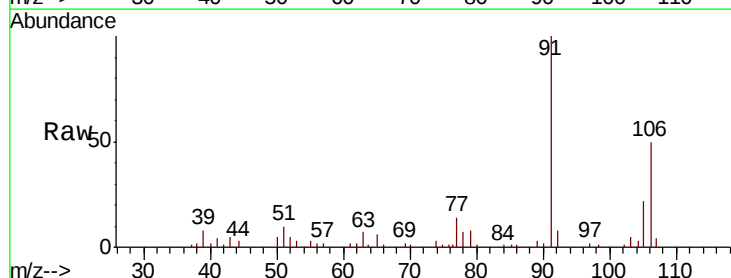
Instrument :
MSVOA_X
ClientSampleId :
30440-30377

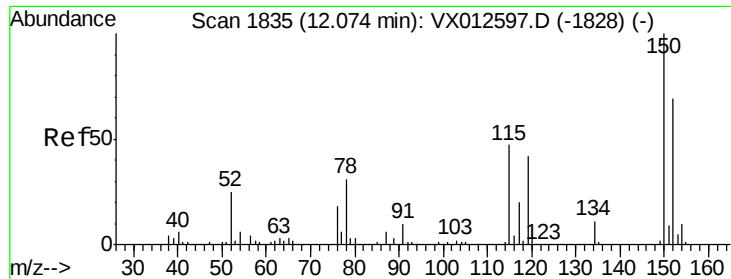
Tot Ion:106 Resp: 16300
Ion Ratio Lower Upper
106 100
91 205.5 166.6 250.0



#69
o-Xylene
Concen: 2.004 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012814.D
Acq: 04 Oct 2019 16:11

Tgt Ion:106 Resp: 6846
Ion Ratio Lower Upper
106 100
91 217.9 109.4 328.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012814.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

30440-30377

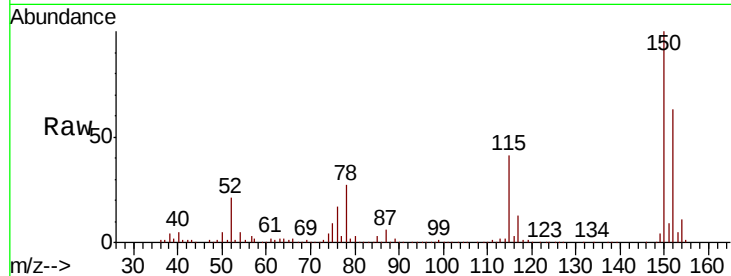
Tot Ion:152 Resp: 104446

Ion Ratio Lower Upper

152 100

115 64.6 44.1 132.3

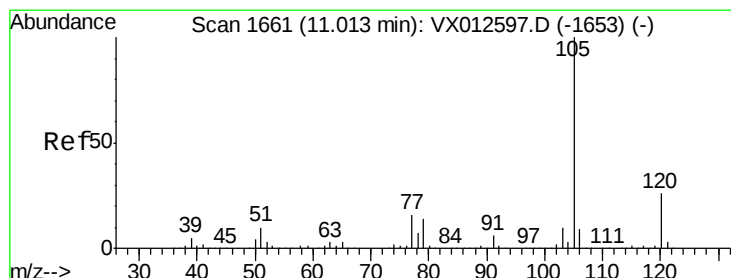
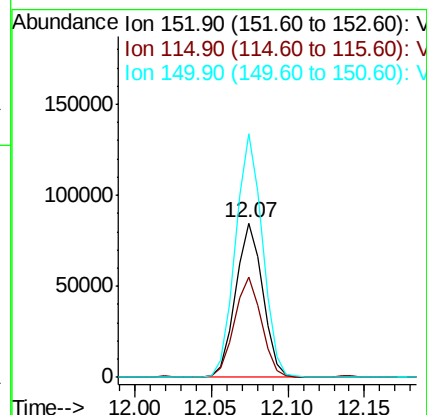
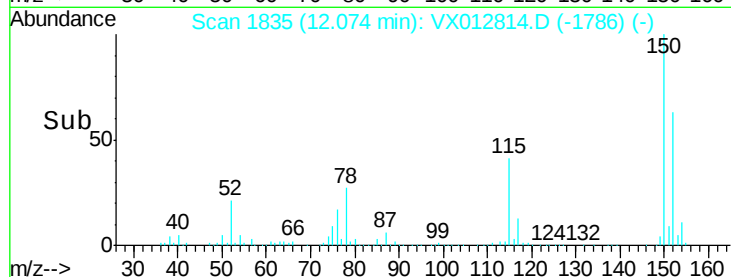
150 156.2 0.0 343.8



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: 0.529 ug/l

RT: 11.02 min Scan# 1662

Delta R.T. 0.01 min

Lab File: VX012814.D

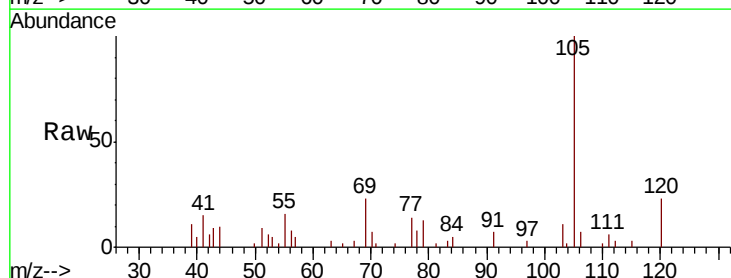
Acq: 04 Oct 2019 16:11

Tgt Ion:105 Resp: 4504

Ion Ratio Lower Upper

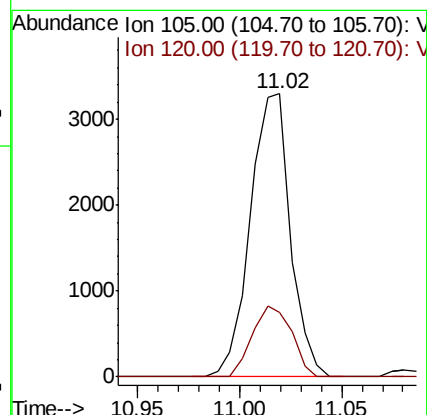
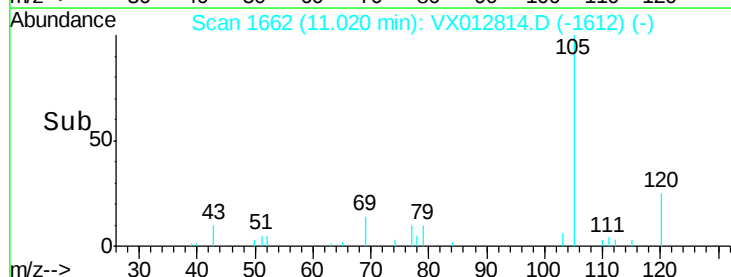
105 100

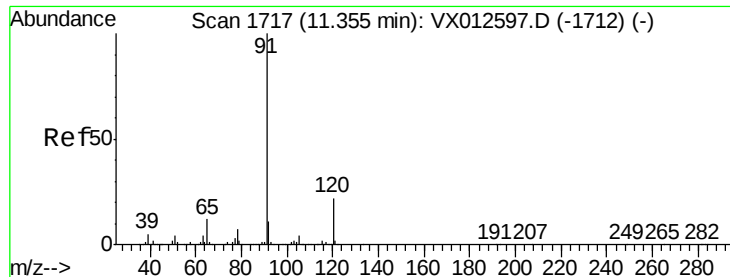
120 24.5 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.825 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012814.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

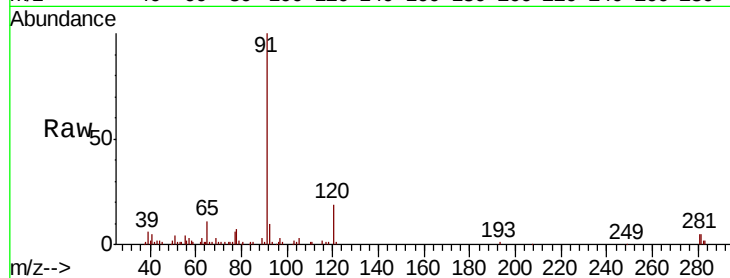
30440-30377

Tot Ion: 91 Resp: 17481

Ion Ratio Lower Upper

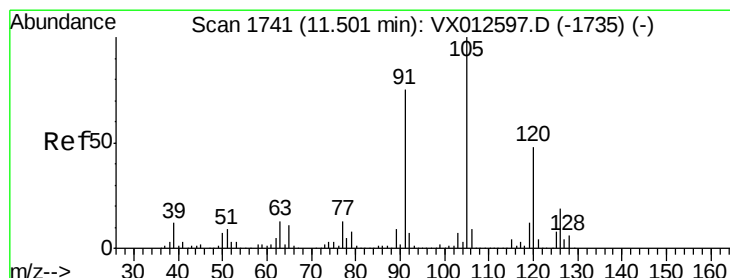
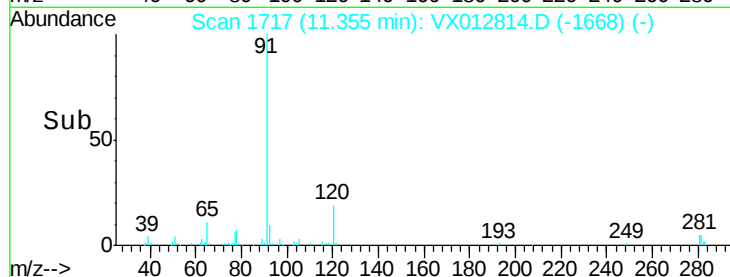
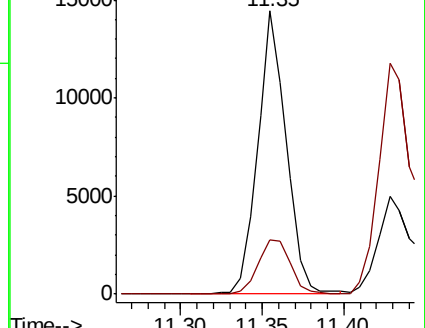
91 100

120 21.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX012597.D (-1712) (-)

Ion 120.00 (119.70 to 120.70): VX012597.D (-1712) (-)



#80

1,3,5-Trimethylbenzene

Concen: 2.939 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012814.D

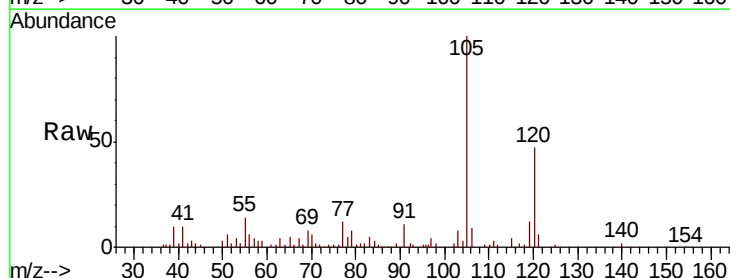
Acq: 04 Oct 2019 16:11

Tgt Ion: 105 Resp: 20966

Ion Ratio Lower Upper

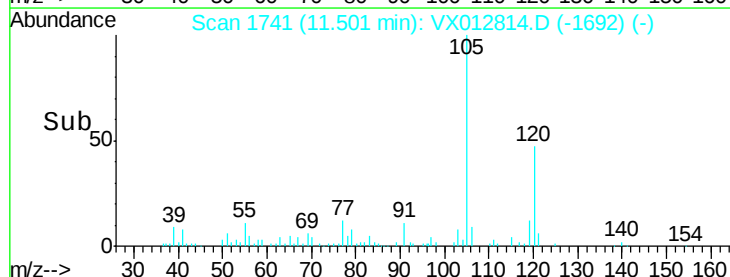
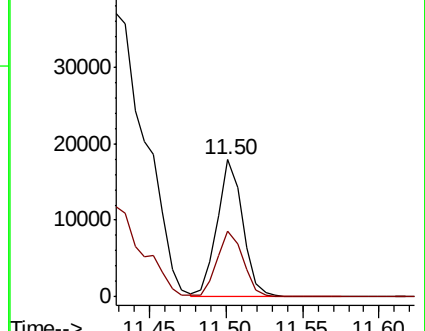
105 100

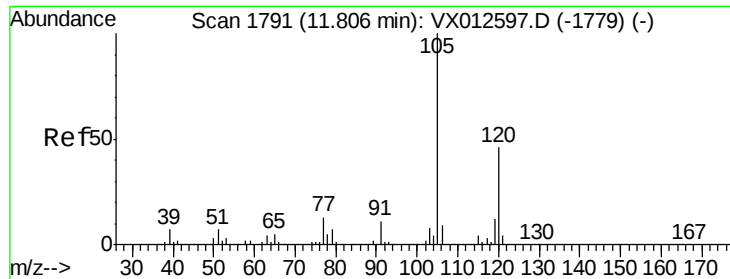
120 49.3 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VX012597.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX012597.D (-1735) (-)

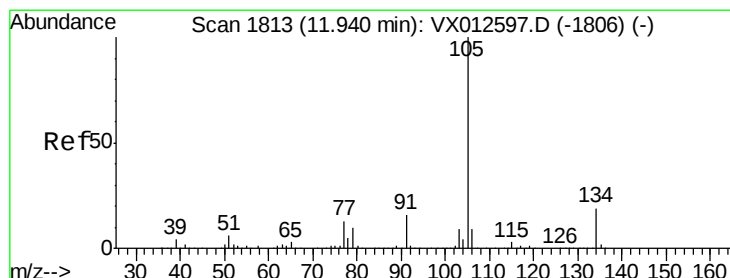
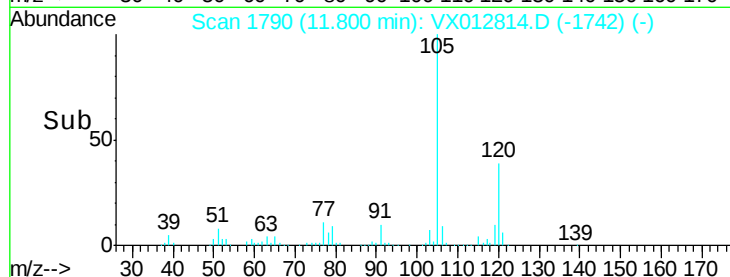
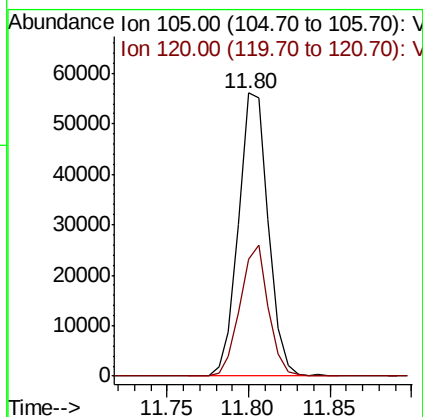
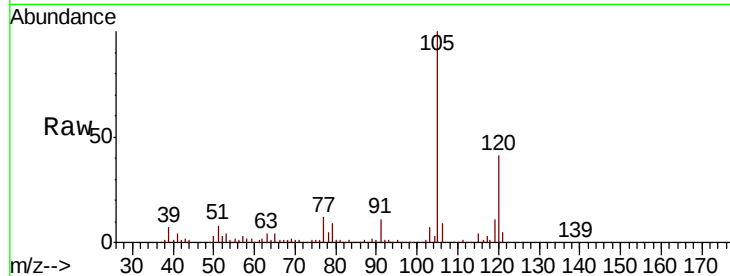




#84
 1,2,4-Trimethylbenzene
 Concen: 9.948 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012814.D
 Acq: 04 Oct 2019 16:11

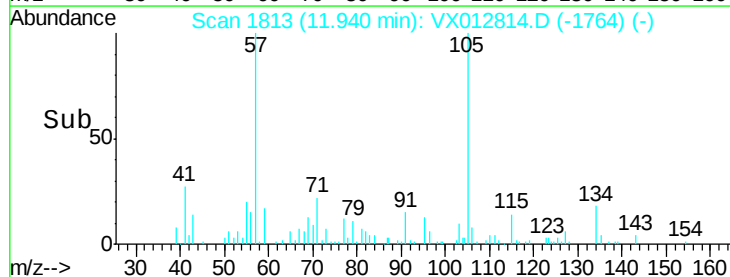
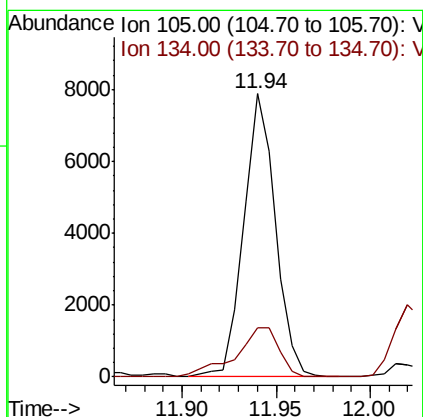
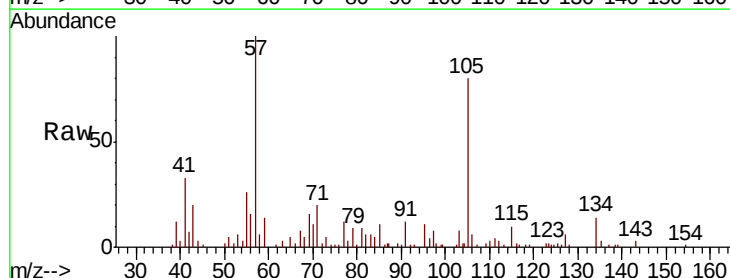
Instrument :
 MSVOA_X
 ClientSampleId :
 30440-30377

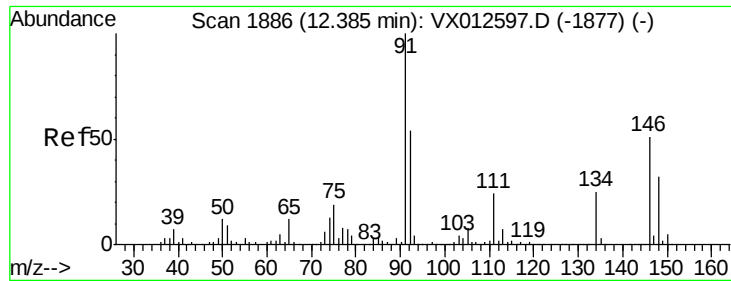
Tot Ion:105 Resp: 71588
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.2 66.6



#85
 sec-Butylbenzene
 Concen: 1.154 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012814.D
 Acq: 04 Oct 2019 16:11

Tgt Ion:105 Resp: 9235
 Ion Ratio Lower Upper
 105 100
 134 23.8 9.8 29.4





#89

n-Butylbenzene

Concen: 2.841 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX012814.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_X

ClientSampled :

30440-30377

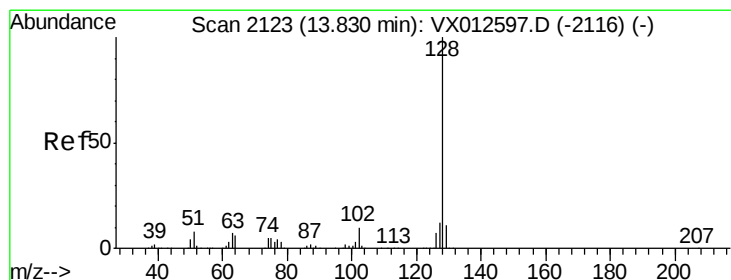
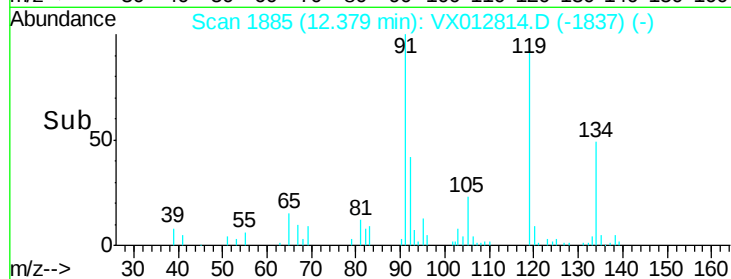
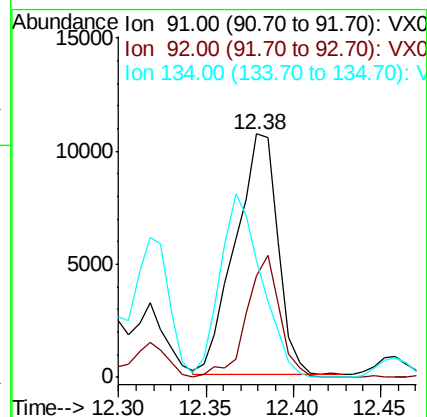
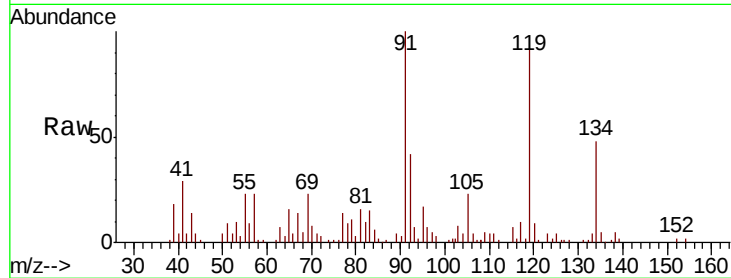
Tot Ion: 91 Resp: 18081

Ion Ratio Lower Upper

91 100

92 39.2 27.7 83.0

134 74.0 12.9 38.6#



#95

Naphthalene

Concen: 3.769 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012814.D

Acq: 04 Oct 2019 16:11

Tgt Ion: 128 Resp: 28844

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 13.9 8.8 13.2#

