

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060419\
 Data File : VX010057.D
 Acq On : 04 Jun 2019 13:12
 Operator : JC/SP
 Sample : K3165-08DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 13870DL

Quant Time: Jun 05 07:45:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	174413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	277105	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	244817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	105425	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	114237	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	
35) Dibromofluoromethane	5.50	113	84962	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
50) Toluene-d8	8.71	98	347965	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.13	95	114807	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	

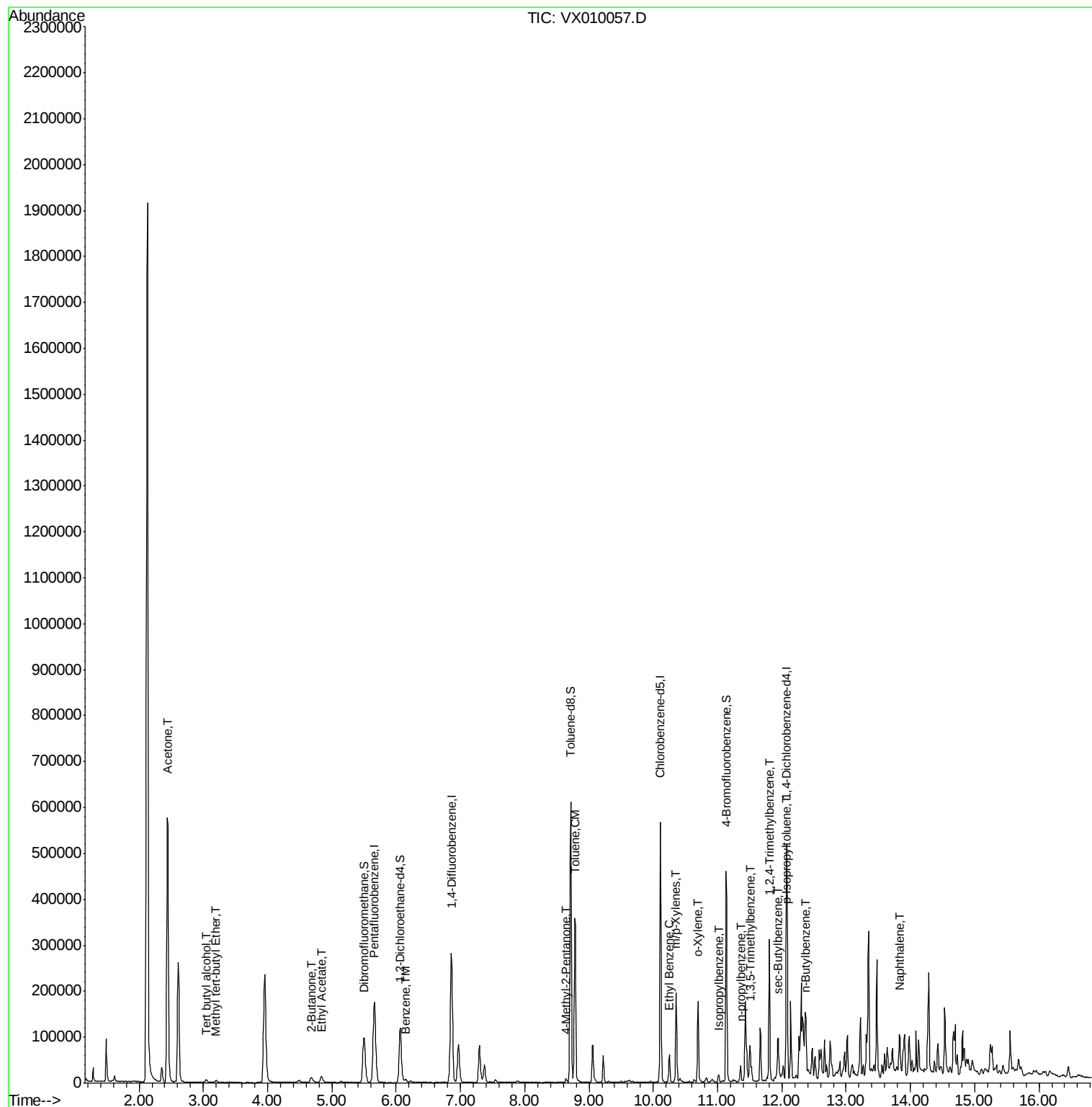
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.05	59	7546	12.446	ug/l	95
16) Acetone	2.44	43	635519	446.452	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	4984	0.747	ug/l	100
25) 2-Butanone	4.68	43	19283	8.695	ug/l	99
37) Ethyl Acetate	4.84	43	23834	6.084	ug/l #	96
40) Benzene	6.15	78	8384	1.005	ug/l	91
51) 4-Methyl-2-Pentanone	8.64	43	5420	1.318	ug/l	97
52) Toluene	8.78	92	126743	25.028	ug/l	99
67) Ethyl Benzene	10.25	91	32172	3.496	ug/l	99
68) m/p-Xylenes	10.35	106	43359	12.754	ug/l	97
69) o-Xylene	10.69	106	36004	11.043	ug/l	99
73) Isopropylbenzene	11.02	105	7291	0.937	ug/l	98
78) n-propylbenzene	11.36	91	20742	2.313	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	33017	5.038	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	128613	19.326	ug/l	100
85) sec-Butylbenzene	11.94	105	8142	1.092	ug/l	96
86) p-Isopropyltoluene	12.06	119	4997	0.745	ug/l	97
89) n-Butylbenzene	12.38	91	15302	2.427	ug/l #	38
95) Naphthalene	13.83	128	52119	6.736	ug/l	98

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010057.D

Acq: 04 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

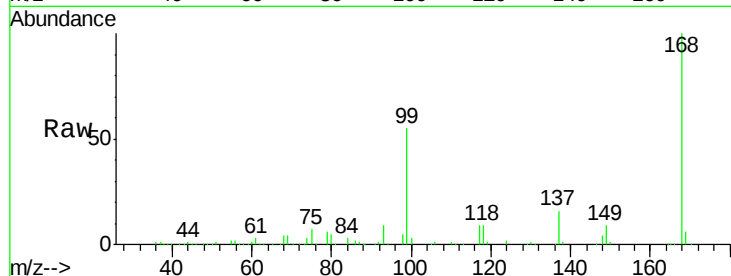
13870DL

Tot Ion:168 Resp: 174413

Ion Ratio Lower Upper

168 100

99 54.8 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

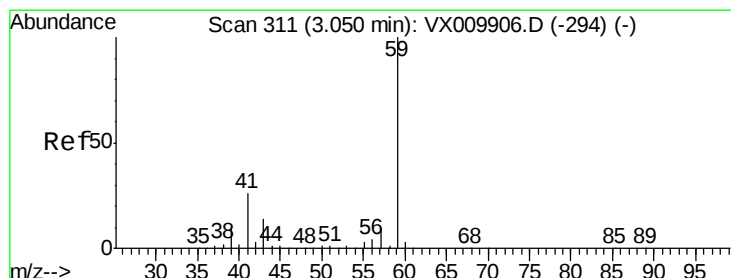
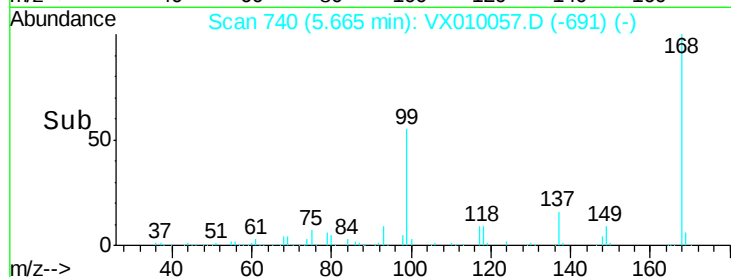
40000

20000

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Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 12.446 ug/l

RT: 3.05 min Scan# 311

Delta R.T. -0.00 min

Lab File: VX010057.D

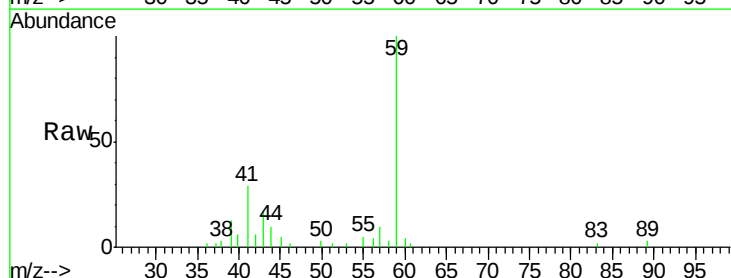
Acq: 04 Jun 2019 13:12

Tgt Ion: 59 Resp: 7546

Ion Ratio Lower Upper

59 100

57 12.2 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.05

3000

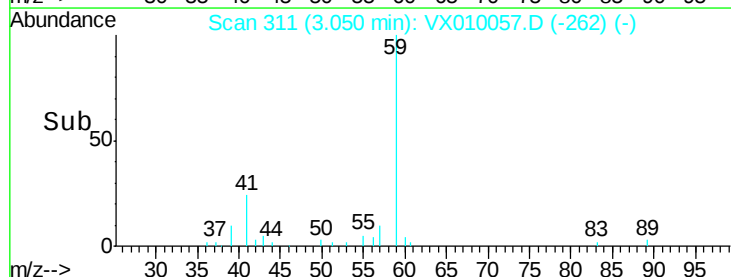
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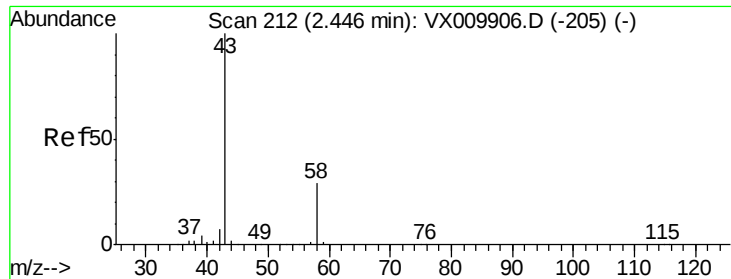
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Time-->

3.00 3.10





#16

Acetone

Concen: 446.452 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010057.D

Acq: 04 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

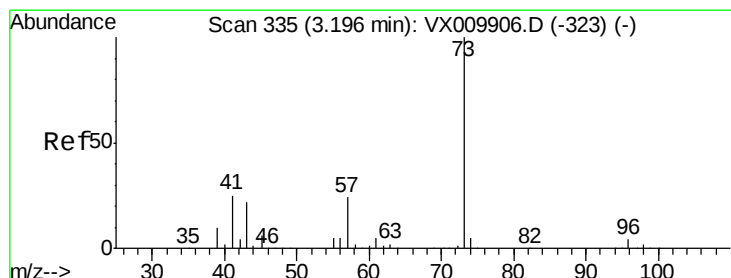
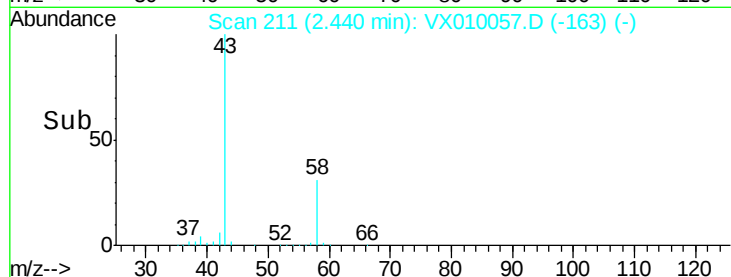
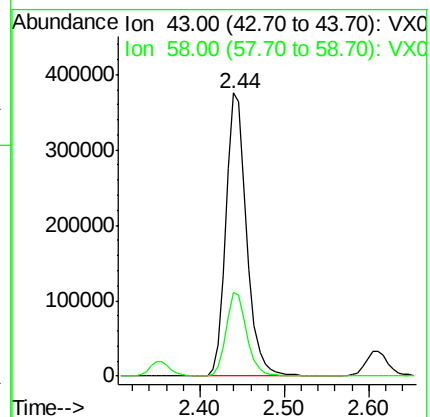
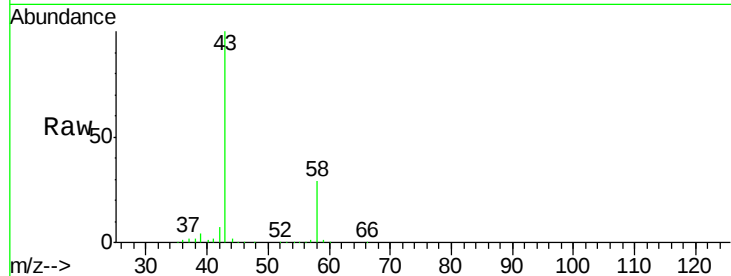
13870DL

Tot Ion: 43 Resp: 635519

Ion Ratio Lower Upper

43 100

58 29.4 23.2 34.8



#19

Methyl tert-butyl Ether

Concen: 0.747 ug/l

RT: 3.20 min Scan# 336

Delta R.T. 0.01 min

Lab File: VX010057.D

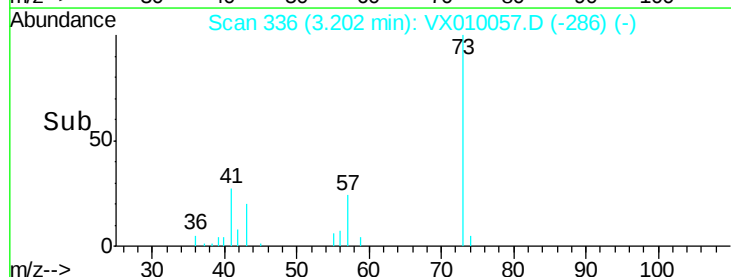
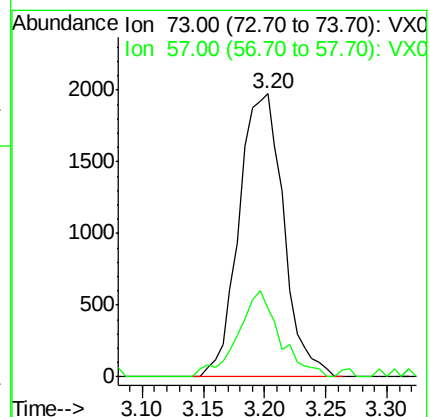
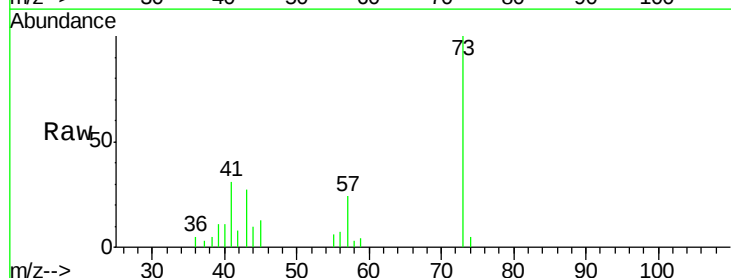
Acq: 04 Jun 2019 13:12

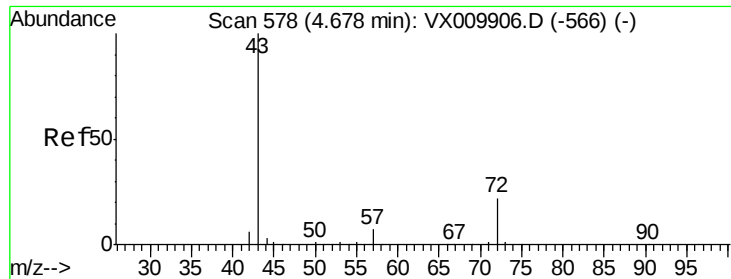
Tgt Ion: 73 Resp: 4984

Ion Ratio Lower Upper

73 100

57 24.4 19.4 29.2





#25

2-Butanone

Concen: 8.695 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010057.D

Acq: 04 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

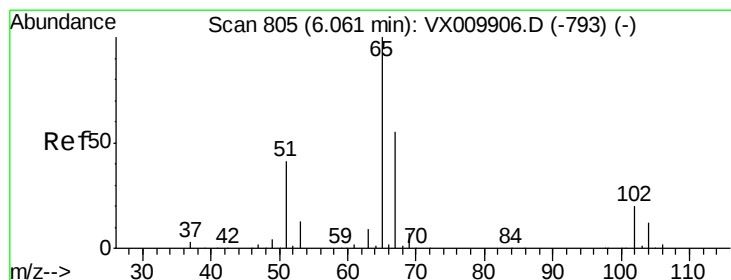
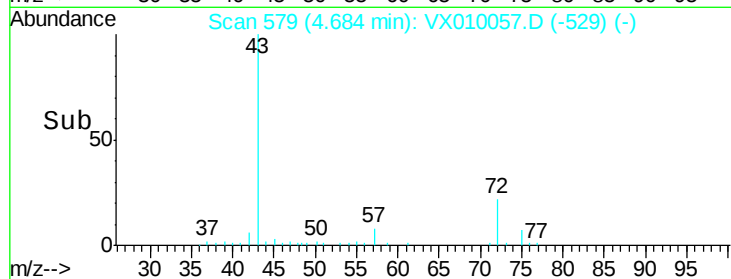
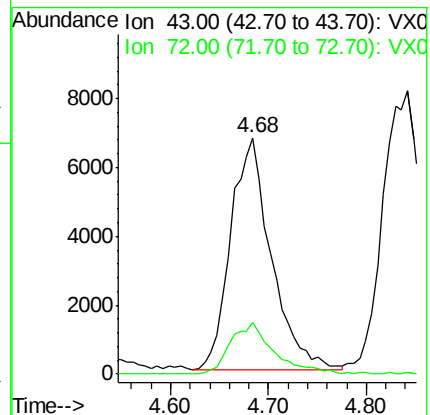
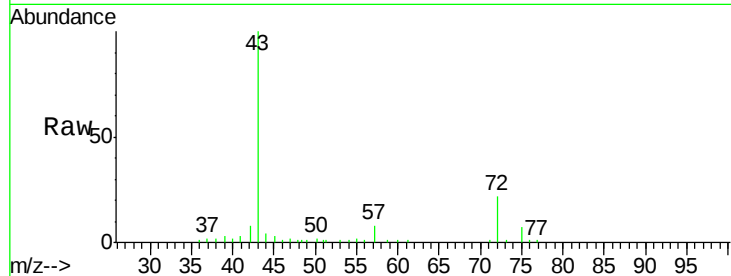
13870DL

Tot Ion: 43 Resp: 19283

Ion Ratio Lower Upper

43 100

72 22.2 17.5 26.3



#33

1,2-Dichloroethane-d4

Concen: 46.367 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010057.D

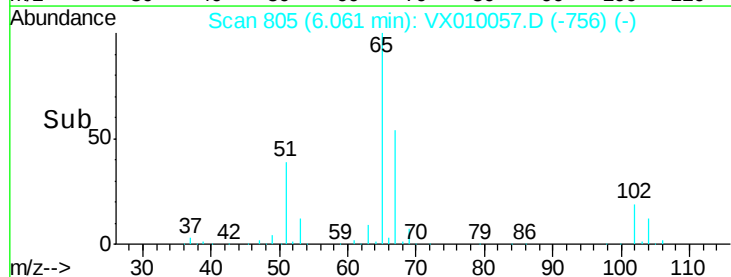
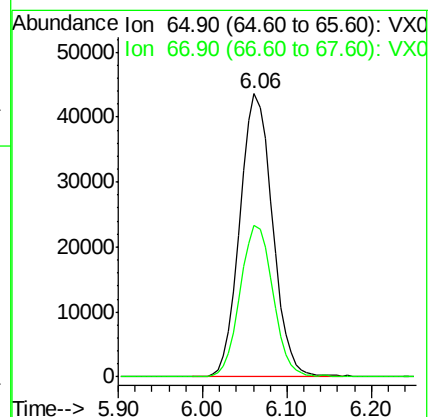
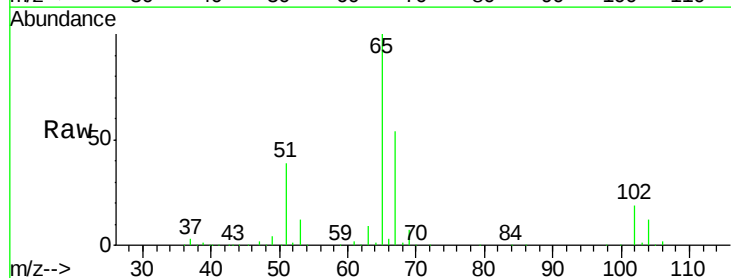
Acq: 04 Jun 2019 13:12

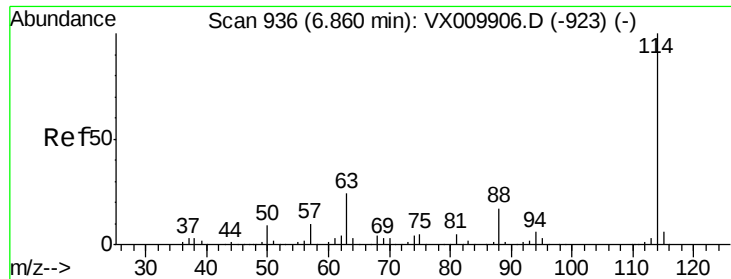
Tgt Ion: 65 Resp: 114237

Ion Ratio Lower Upper

65 100

67 54.1 0.0 108.4

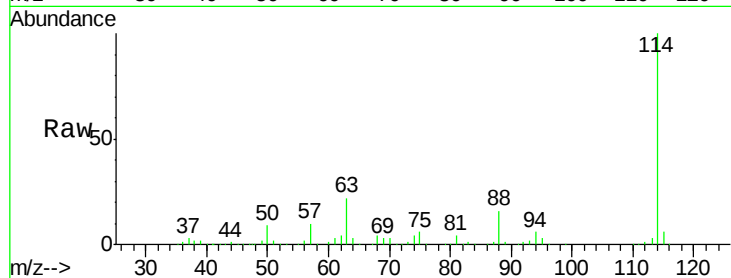




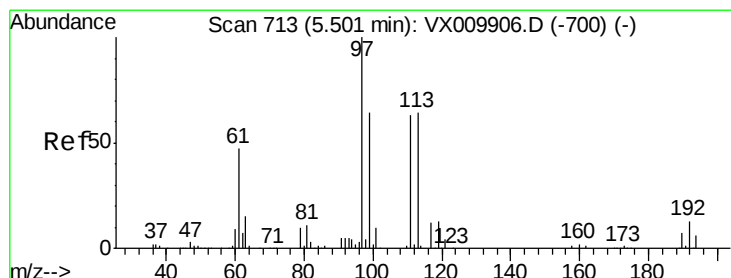
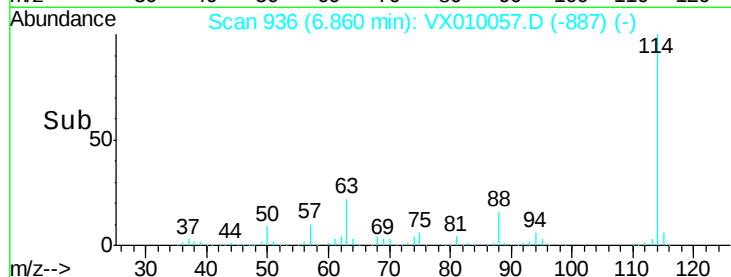
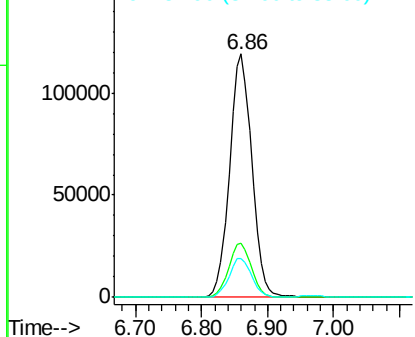
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX010057.D
Acq: 04 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :
13870DL

Tot Ion:114 Resp: 277105
Ion Ratio Lower Upper
114 100
63 22.1 0.0 47.4
88 16.1 0.0 33.0

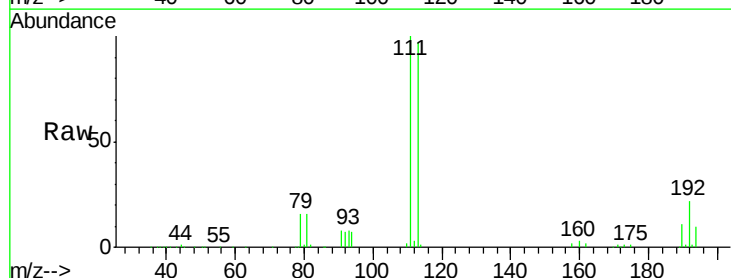


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

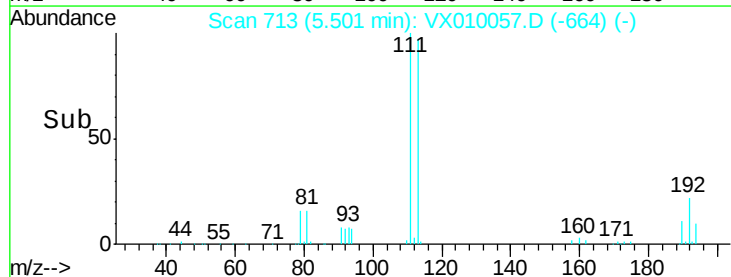
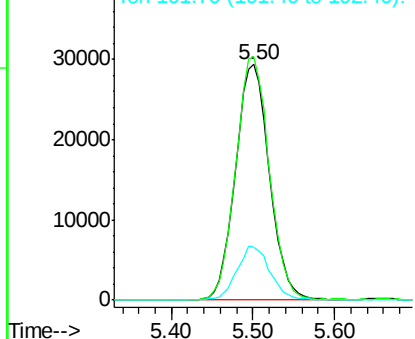


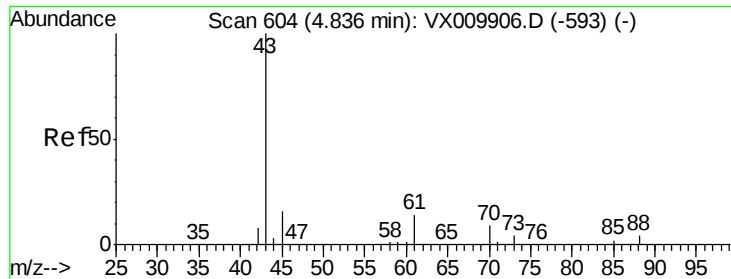
#35
Dibromofluoromethane
Concen: 48.768 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX010057.D
Acq: 04 Jun 2019 13:12

Tgt Ion:113 Resp: 84962
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.2
192 22.3 17.1 25.7



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

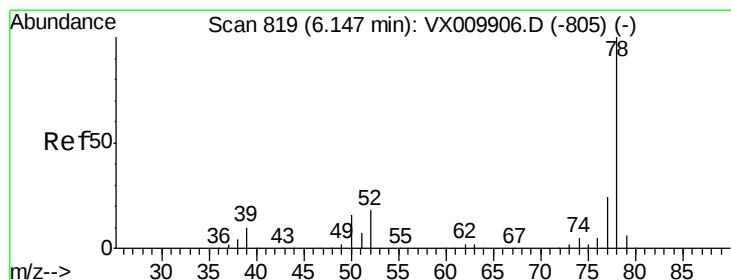
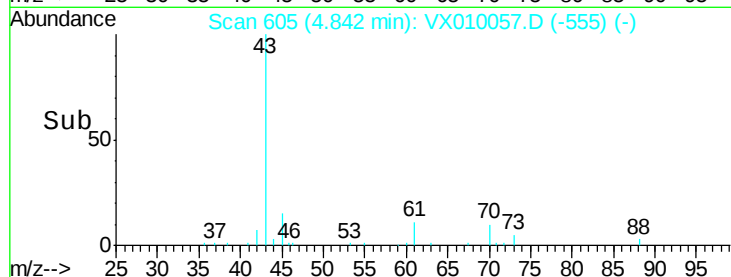
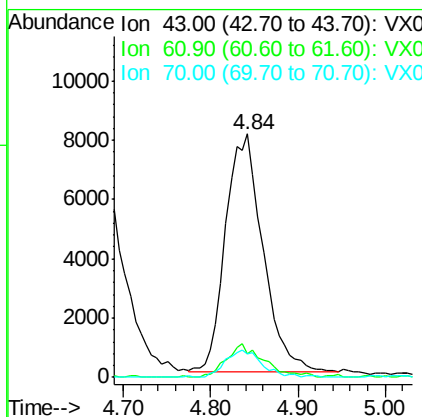
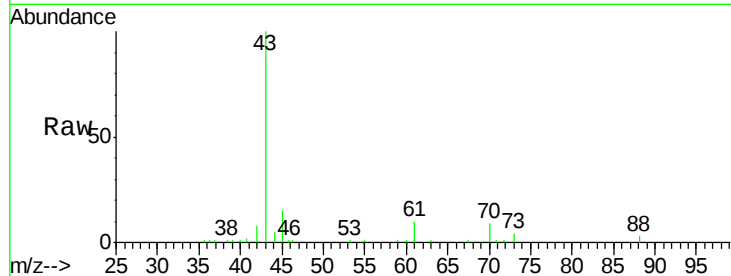




#37
Ethyl Acetate
Concen: 6.084 ug/l
RT: 4.84 min Scan# 605
Delta R.T. 0.01 min
Lab File: VX010057.D
Acq: 04 Jun 2019 13:12

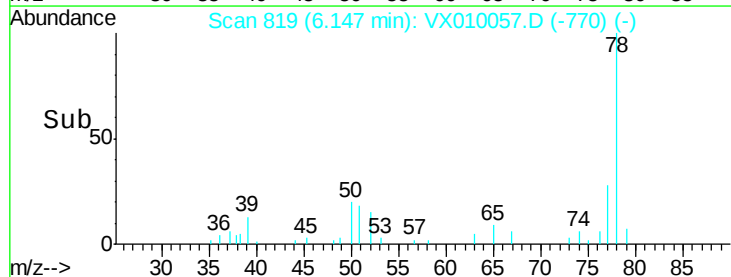
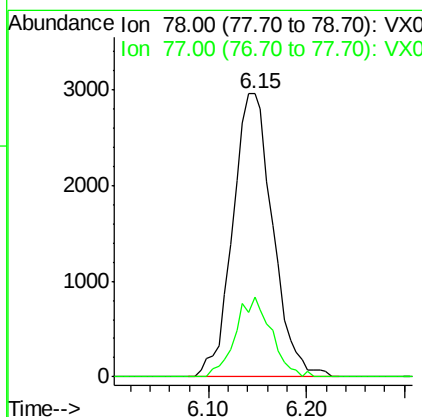
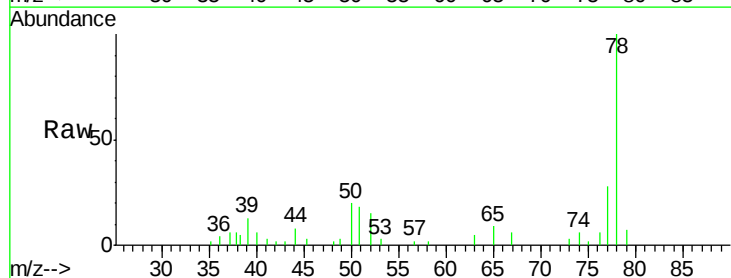
Instrument :
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ClientSampleId :
13870DL

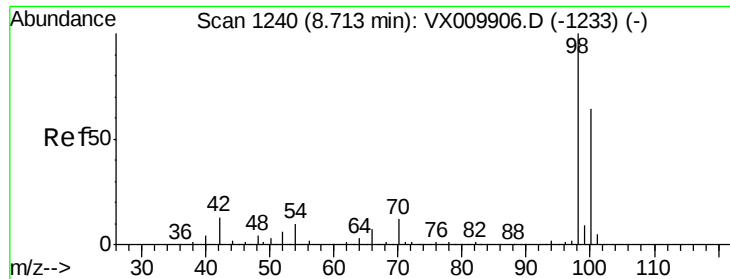
Tot Ion: 43 Resp: 23834
Ion Ratio Lower Upper
43 100
61 14.2 10.2 15.2
70 11.2 7.4 11.2#



#40
Benzene
Concen: 1.005 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX010057.D
Acq: 04 Jun 2019 13:12

Tgt Ion: 78 Resp: 8384
Ion Ratio Lower Upper
78 100
77 28.3 19.2 28.8

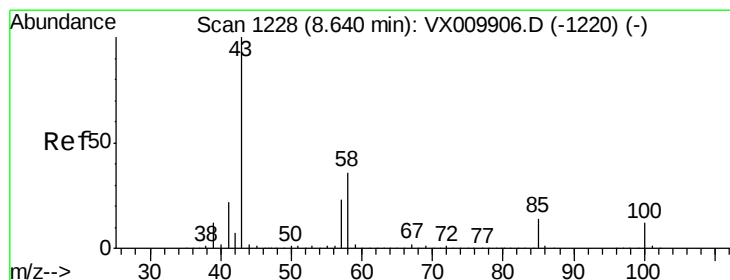
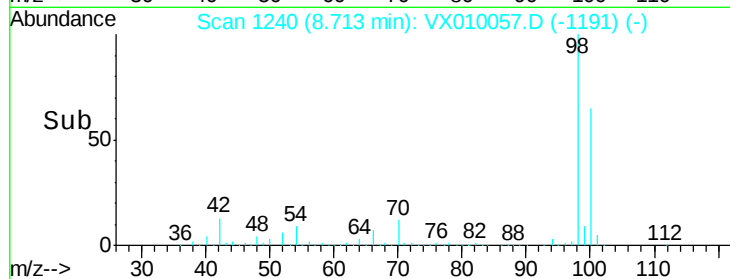
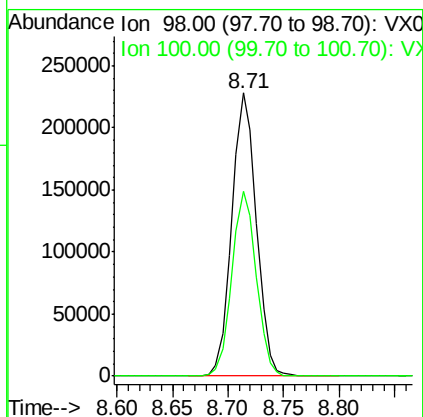
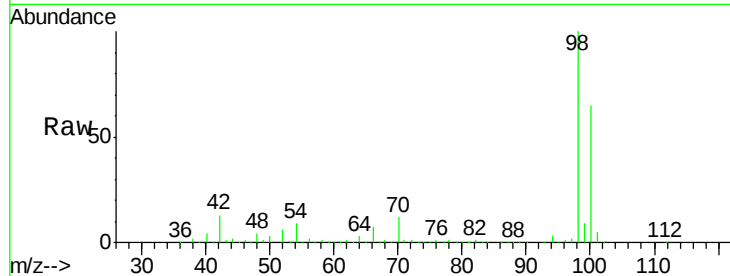




#50
Toluene-d8
Concen: 49.185 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010057.D
Acq: 04 Jun 2019 13:12

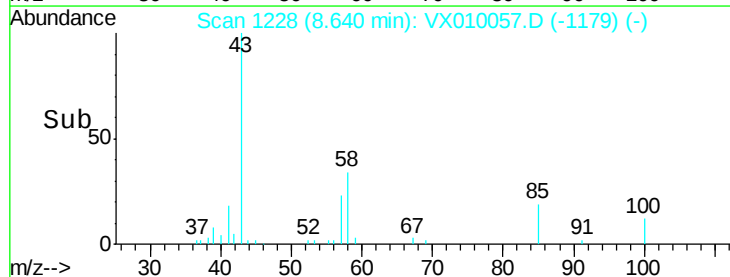
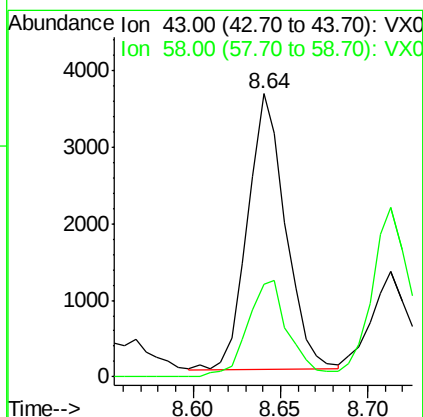
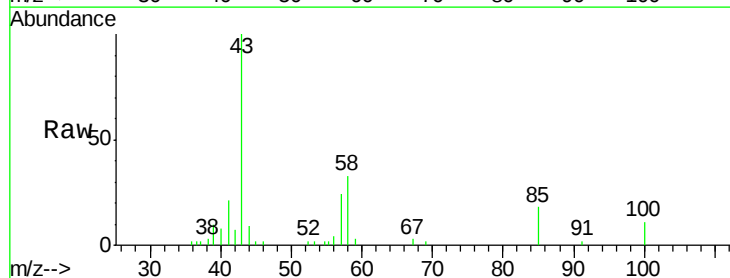
Instrument :
MSVOA_X
ClientSampled :
13870DL

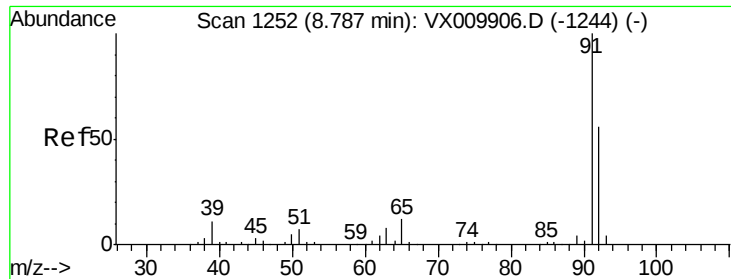
Tot Ion: 98 Resp: 347965
Ion Ratio Lower Upper
98 100
100 64.7 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.318 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX010057.D
Acq: 04 Jun 2019 13:12

Tgt Ion: 43 Resp: 5420
Ion Ratio Lower Upper
43 100
58 38.0 28.8 43.2





#52

Toluene

Concen: 25.028 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010057.D

Acq: 04 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

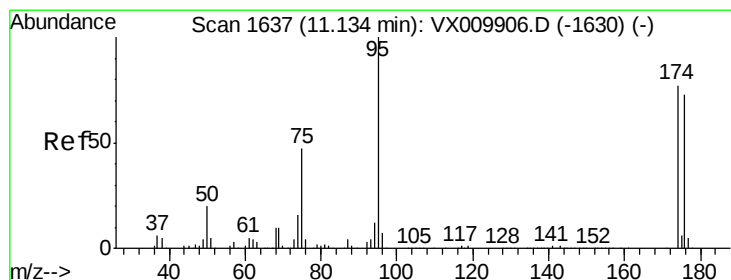
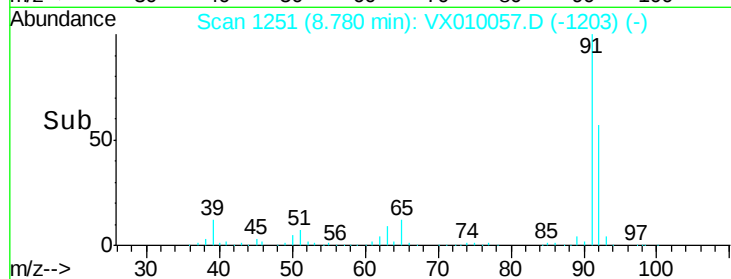
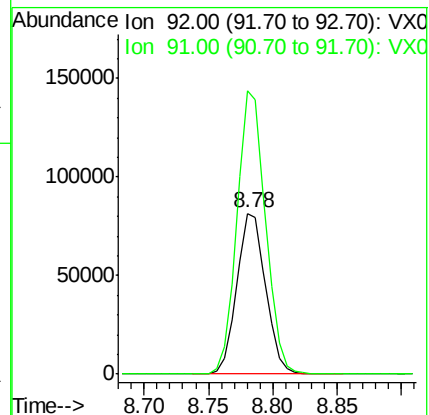
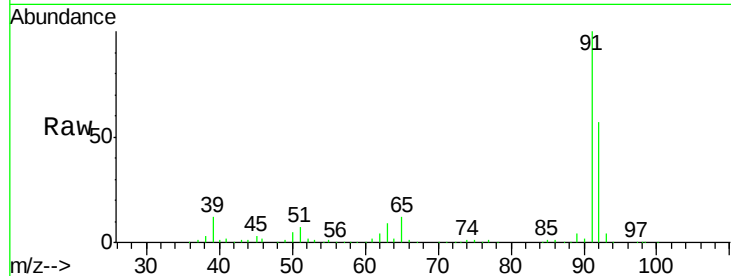
13870DL

Tot Ion: 92 Resp: 126743

Ion Ratio Lower Upper

92 100

91 175.7 139.9 209.9



#62

4-Bromofluorobenzene

Concen: 45.181 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010057.D

Acq: 04 Jun 2019 13:12

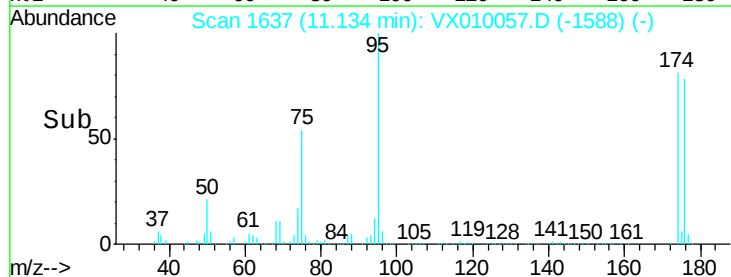
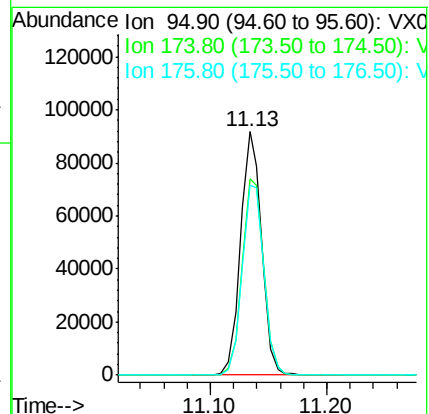
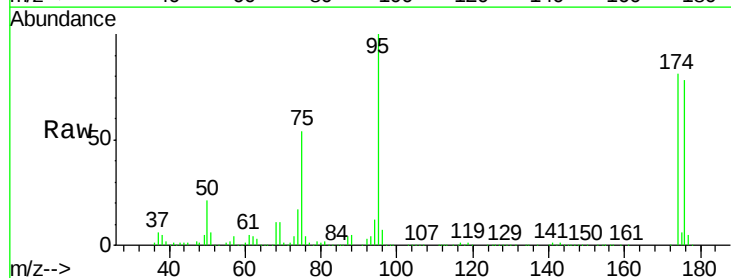
Tgt Ion: 95 Resp: 114807

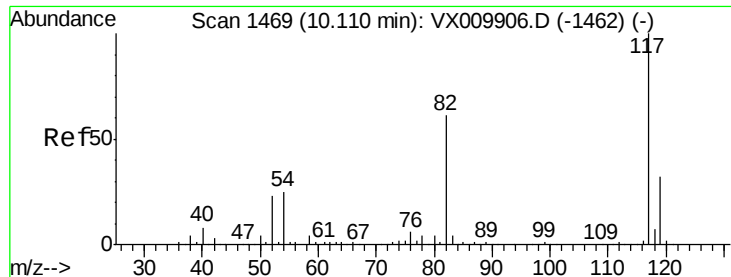
Ion Ratio Lower Upper

95 100

174 83.2 0.0 160.4

176 81.2 0.0 154.6

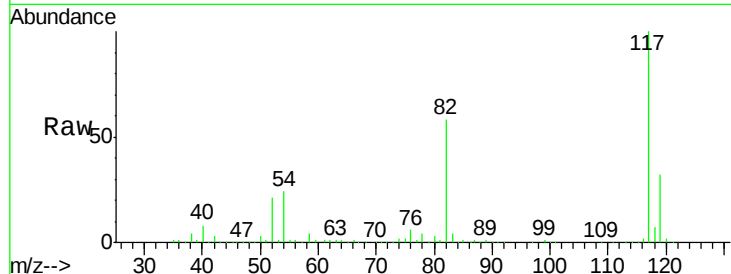




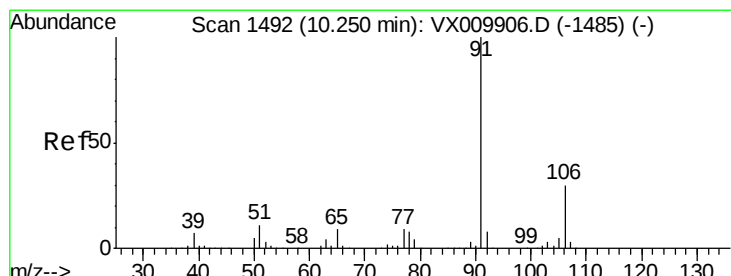
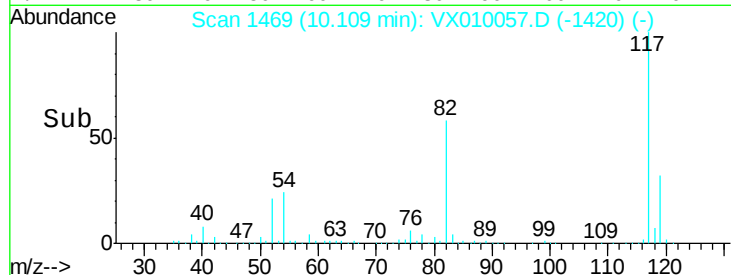
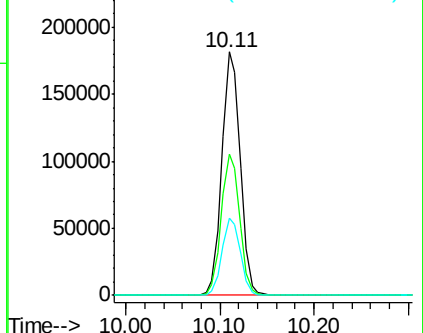
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010057.D
Acq: 04 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :
13870DL

Tot Ion:117 Resp: 244817
Ion Ratio Lower Upper
117 100
82 58.2 49.2 73.8
119 31.8 25.2 37.8

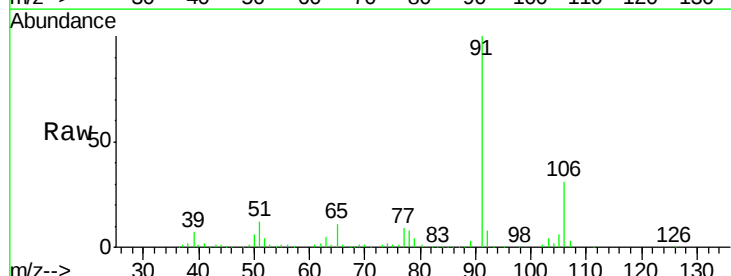


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

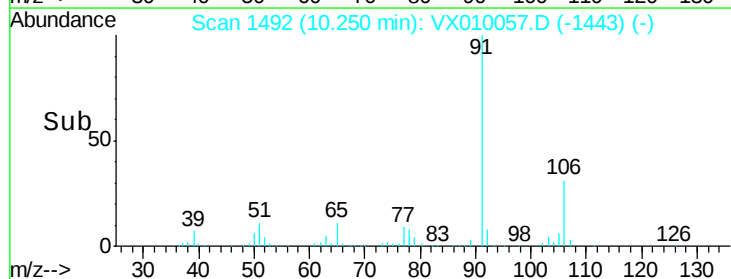
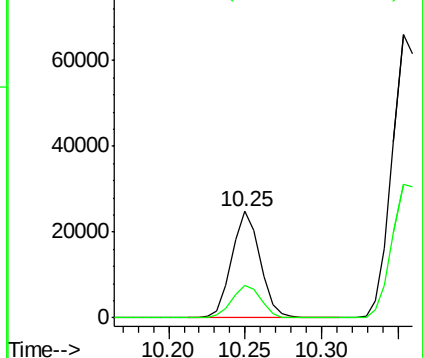


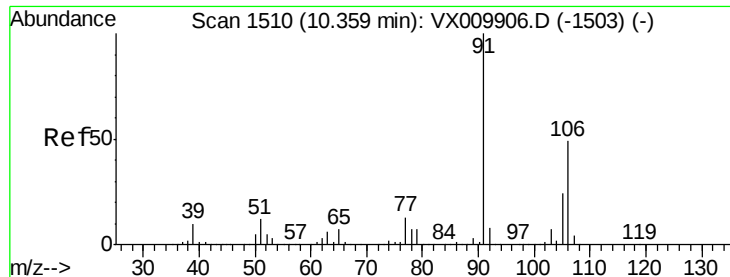
#67
Ethyl Benzene
Concen: 3.496 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010057.D
Acq: 04 Jun 2019 13:12

Tgt Ion: 91 Resp: 32172
Ion Ratio Lower Upper
91 100
106 30.5 23.9 35.9



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

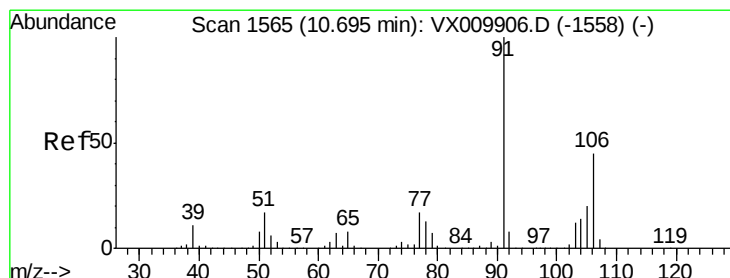
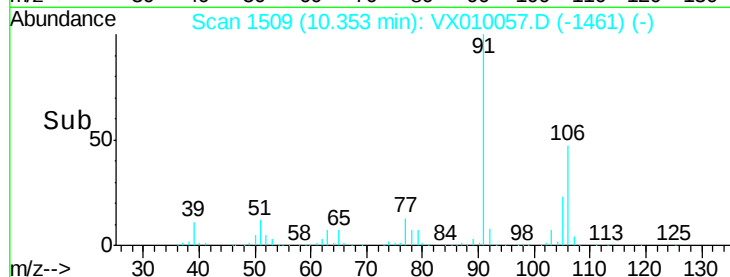
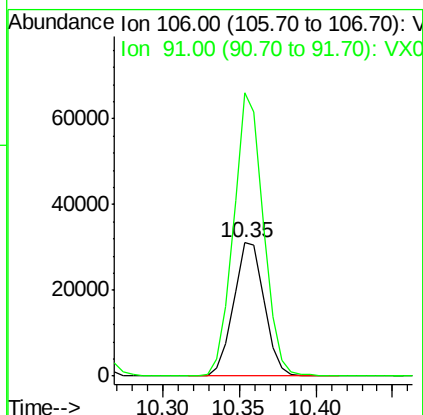
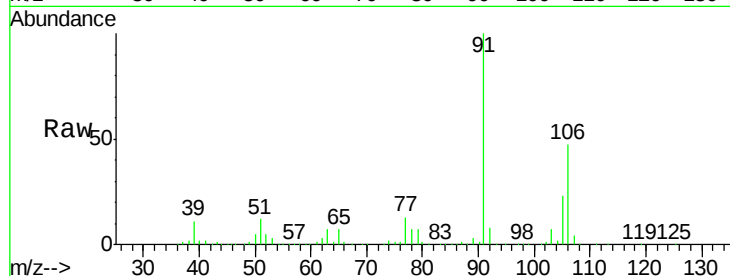




#68
m/p-Xvlenes
Concen: 12.754 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010057.D
Acq: 04 Jun 2019 13:12

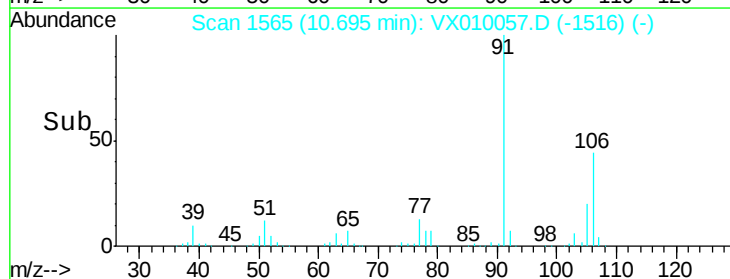
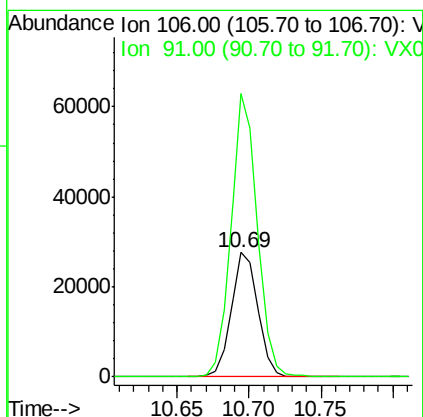
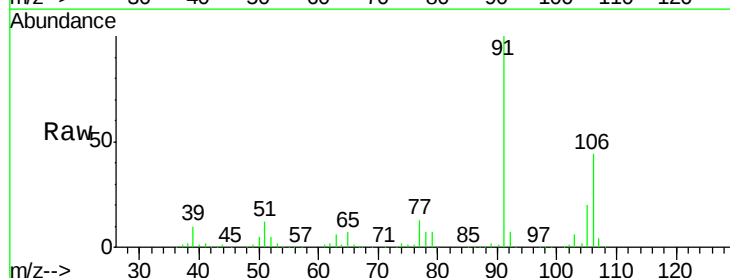
Instrument :
MSVOA_X
ClientSampleId :
13870DL

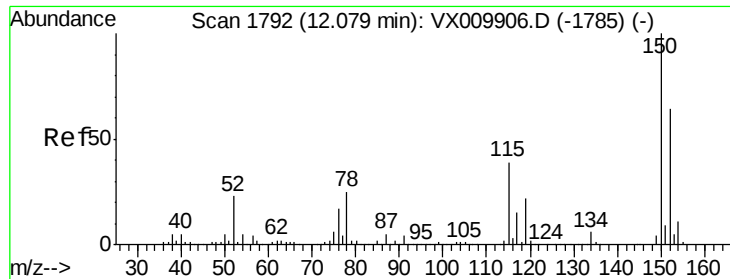
Tot Ion:106 Resp: 43359
Ion Ratio Lower Upper
106 100
91 204.8 167.3 250.9



#69
o-Xylene
Concen: 11.043 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010057.D
Acq: 04 Jun 2019 13:12

Tgt Ion:106 Resp: 36004
Ion Ratio Lower Upper
106 100
91 223.0 110.4 331.2



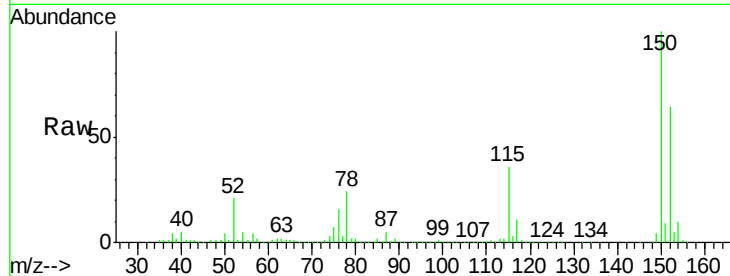


#72

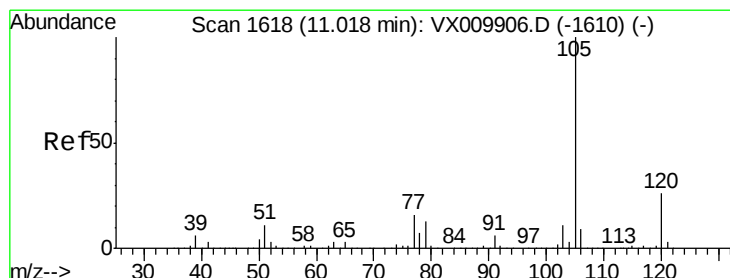
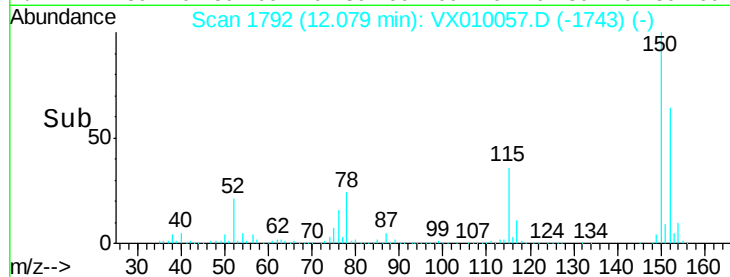
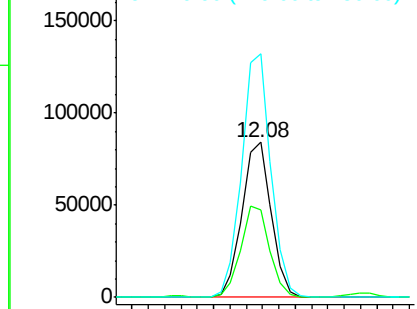
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010057.D
Acq: 04 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :
13870DL

Tot Ion:152 Resp: 105425
Ion Ratio Lower Upper
152 100
115 58.0 41.4 124.2
150 156.4 0.0 345.2



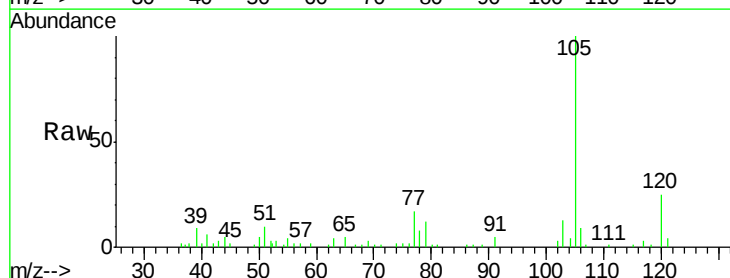
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



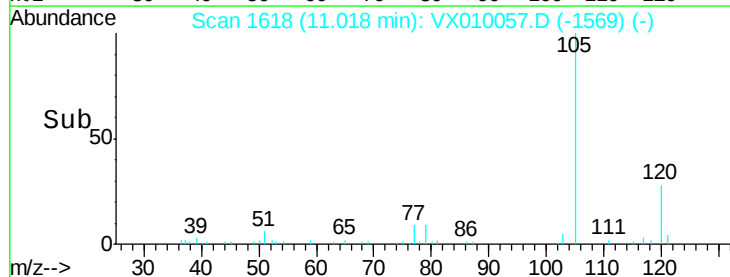
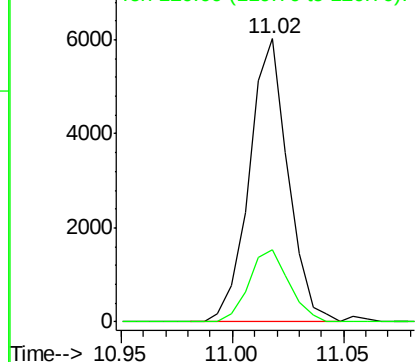
#73

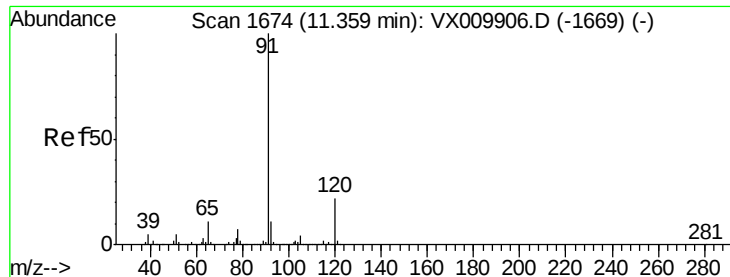
Isopropylbenzene
Concen: 0.937 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010057.D
Acq: 04 Jun 2019 13:12

Tgt Ion:105 Resp: 7291
Ion Ratio Lower Upper
105 100
120 26.4 12.8 38.4



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





#78

n-propylbenzene

Concen: 2.313 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010057.D

Acq: 04 Jun 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

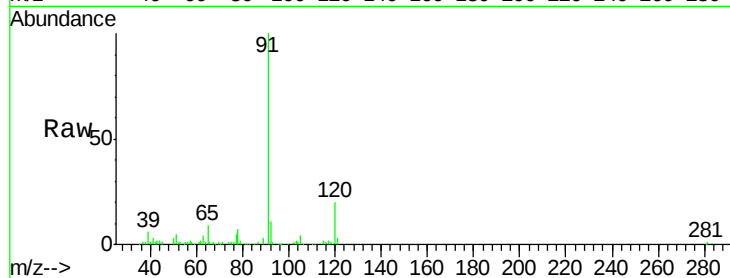
13870DL

Tot Ion: 91 Resp: 20742

Ion Ratio Lower Upper

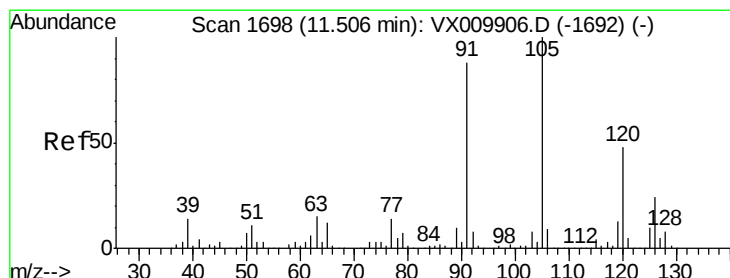
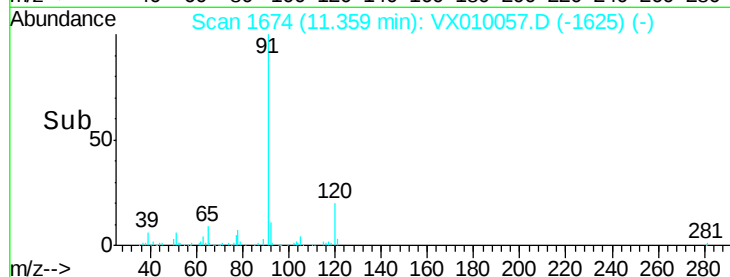
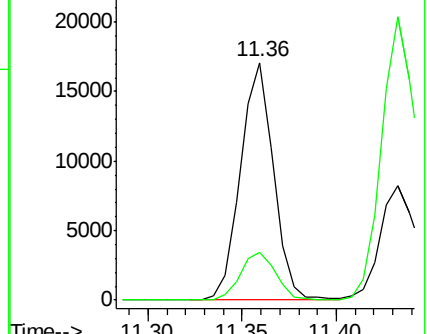
91 100

120 21.4 11.1 33.3



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: 5.038 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010057.D

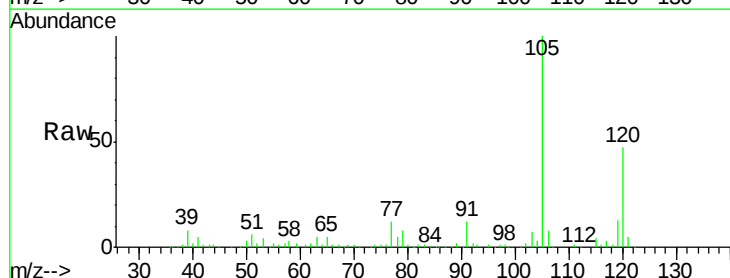
Acq: 04 Jun 2019 13:12

Tgt Ion: 105 Resp: 33017

Ion Ratio Lower Upper

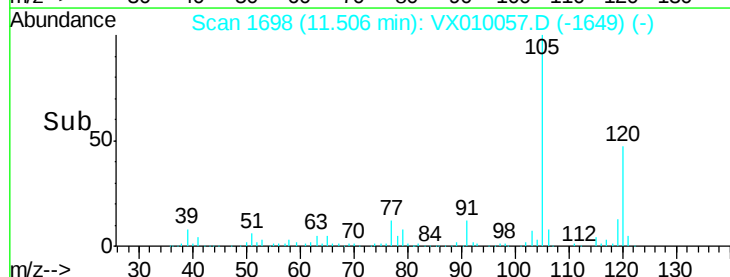
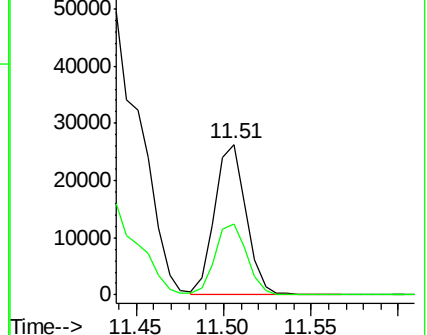
105 100

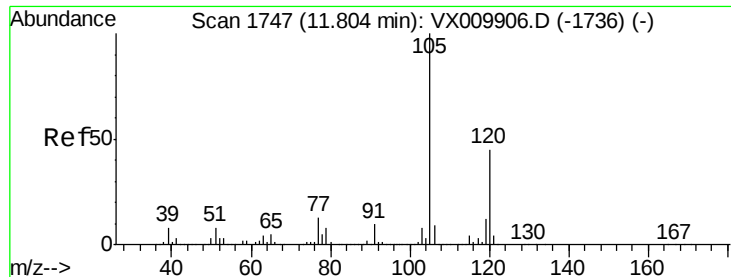
120 47.5 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

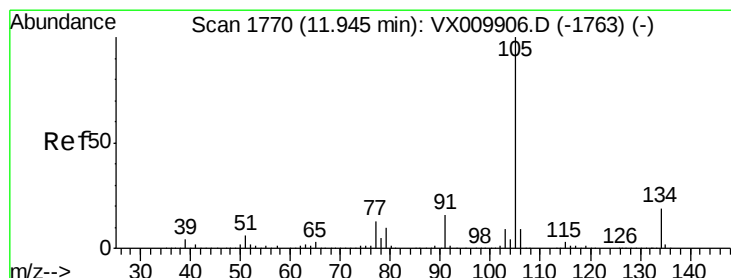
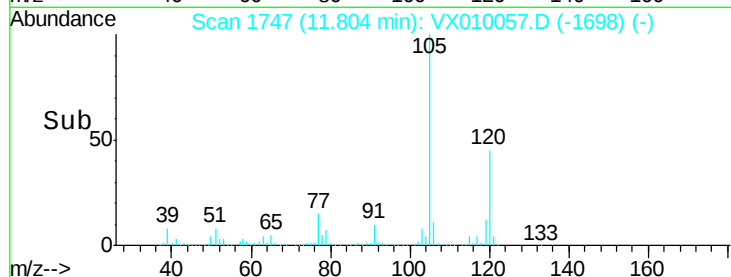
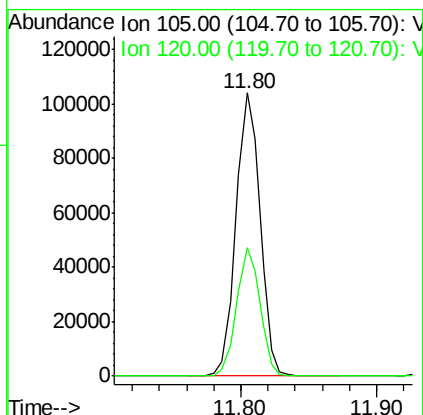
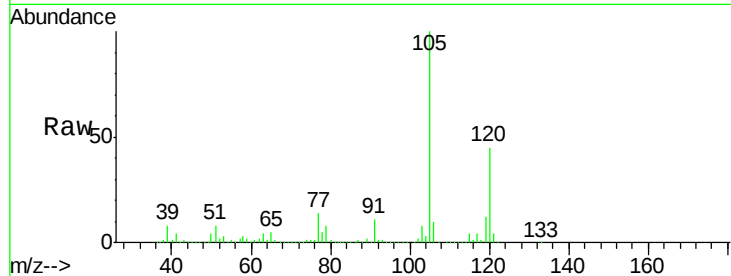




#84
1,2,4-Trimethylbenzene
Concen: 19.326 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010057.D
Acq: 04 Jun 2019 13:12

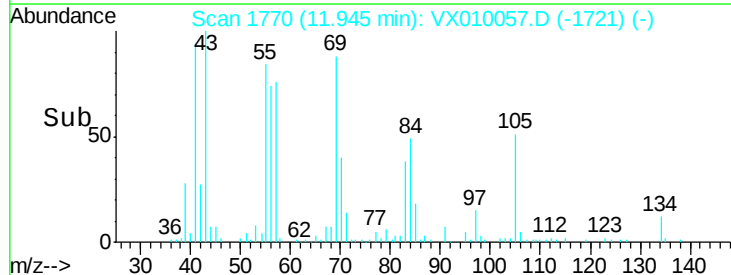
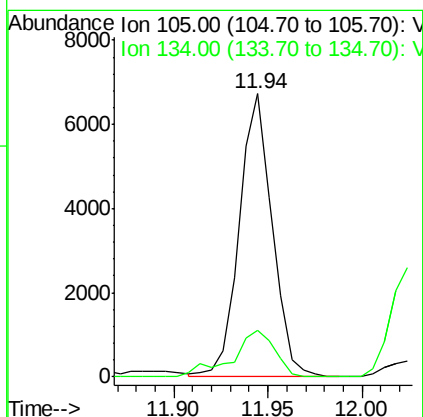
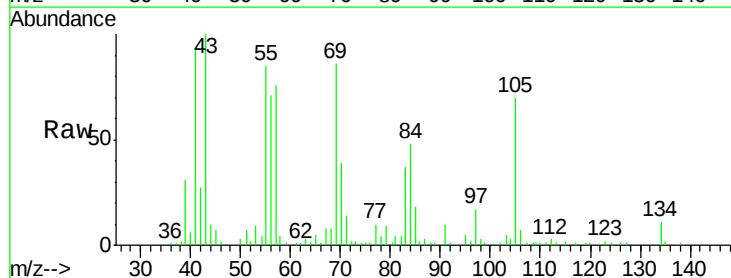
Instrument :
MSVOA_X
ClientSampleId :
13870DL

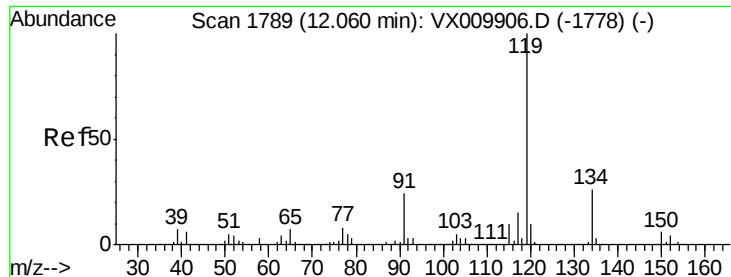
Tot Ion:105 Resp: 128613
Ion Ratio Lower Upper
105 100
120 44.2 22.1 66.1



#85
sec-Butylbenzene
Concen: 1.092 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VX010057.D
Acq: 04 Jun 2019 13:12

Tgt Ion:105 Resp: 8142
Ion Ratio Lower Upper
105 100
134 21.3 9.7 28.9

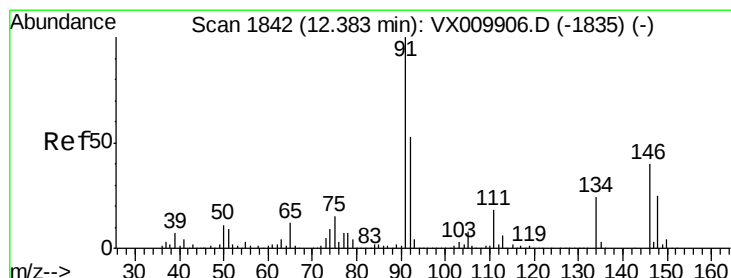
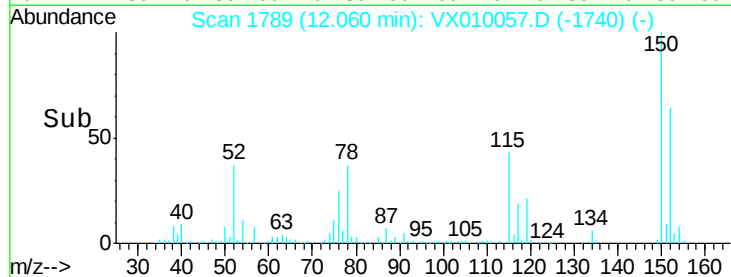
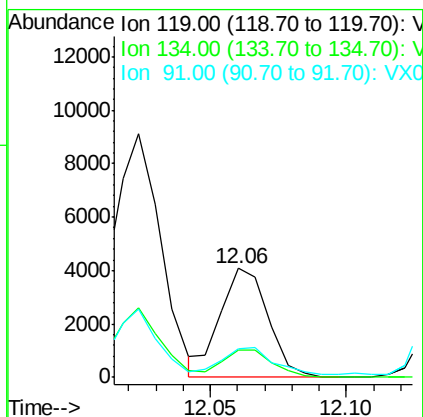
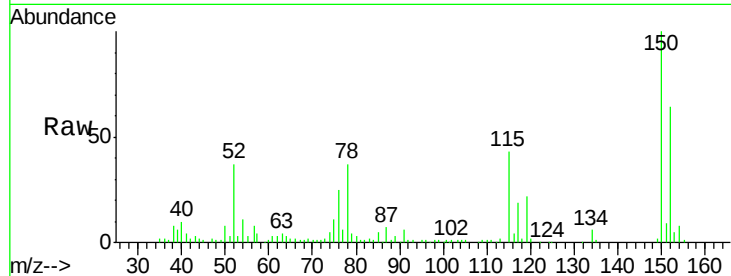




#86
p-Isopropyltoluene
Concen: 0.745 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX010057.D
Acq: 04 Jun 2019 13:12

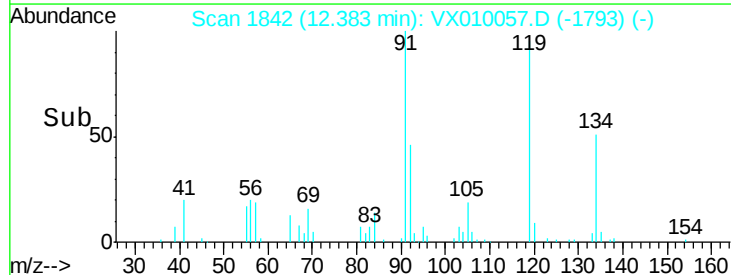
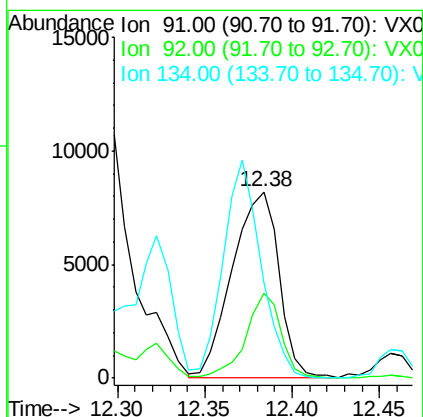
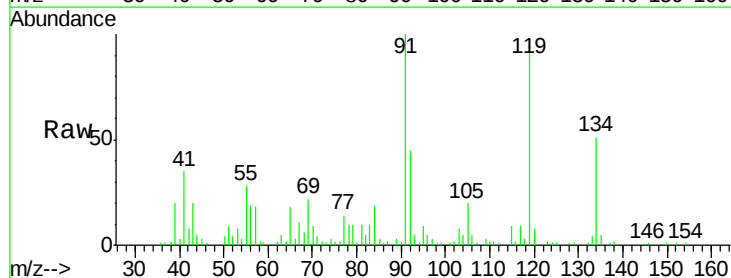
Instrument :
MSVOA_X
ClientSampled :
13870DL

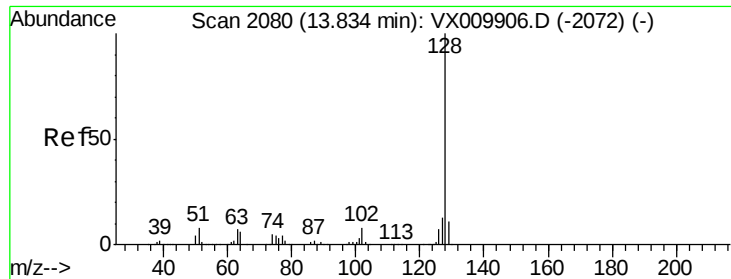
Tot Ion:119 Resp: 4997
Ion Ratio Lower Upper
119 100
134 26.2 12.9 38.6
91 26.5 11.9 35.9



#89
n-Butylbenzene
Concen: 2.427 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010057.D
Acq: 04 Jun 2019 13:12

Tgt Ion: 91 Resp: 15302
Ion Ratio Lower Upper
91 100
92 34.5 26.3 78.8
134 94.5 12.3 36.8#





#95
Naphthalene
Concen: 6.736 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX010057.D
Acq: 04 Jun 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :
13870DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	12.2	8.8	13.2

