

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004757.D
 Acq On : 18 Aug 2018 02:13
 Operator : SY/AP
 Sample : J4486-01
 Misc : 5.47G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ202

Quant Time: Aug 18 05:46:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	408646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	616628	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	420006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	124169	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	198523	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
35) Dibromofluoromethane	7.88	113	201700	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
50) Toluene-d8	10.33	98	641795	41.72	ug/l	0.00
Spiked Amount			Recovery	=	83.44%	
62) 4-Bromofluorobenzene	12.62	95	150395	27.17	ug/l	0.00
Spiked Amount			Recovery	=	54.34%	

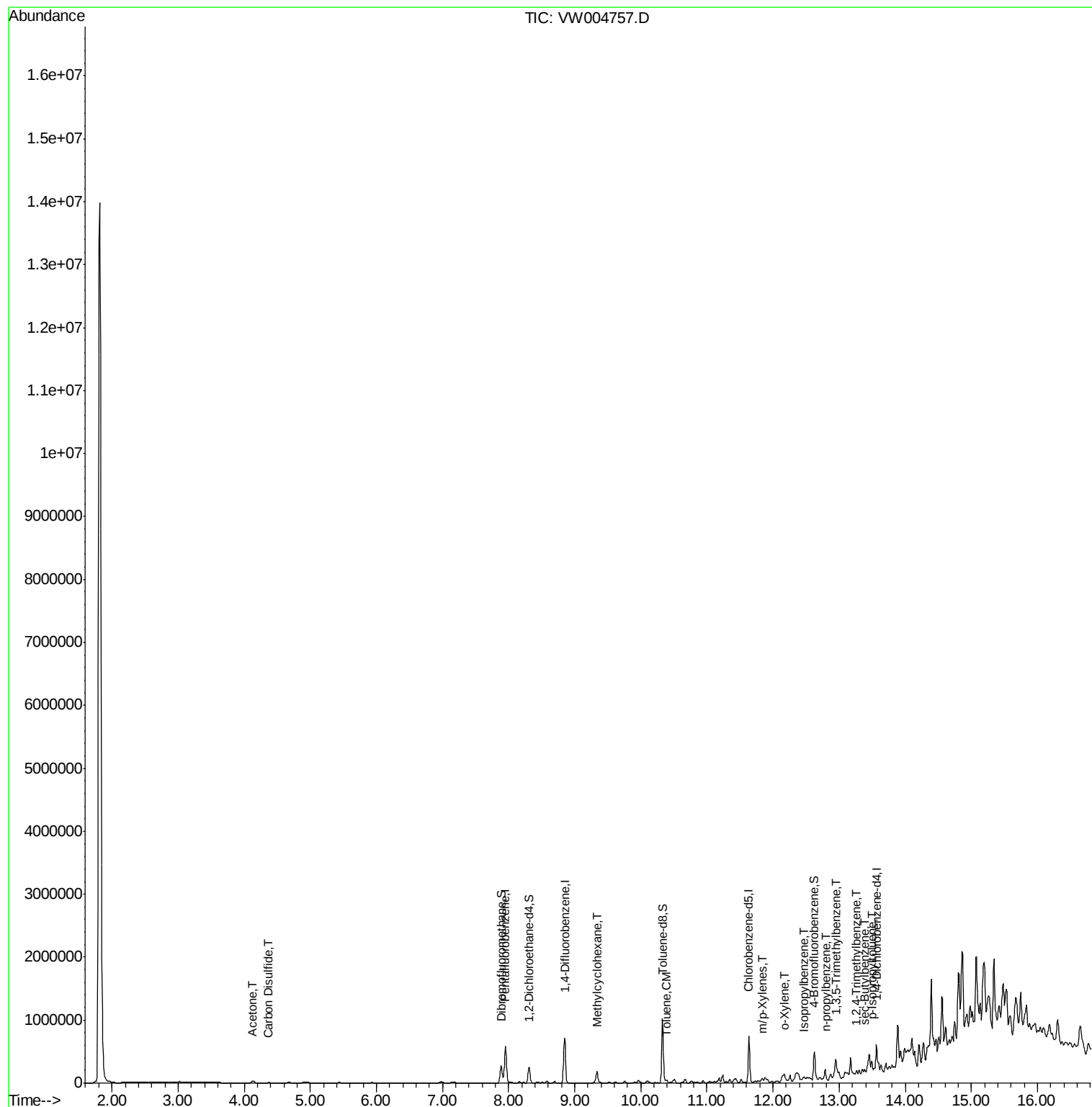
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	60723	60.21	ug/l	96
17) Carbon Disulfide	4.37	76	16173	1.17	ug/l	96
39) Methylcyclohexane	9.34	83	72682	9.15	ug/l	97
52) Toluene	10.39	92	14169	1.28	ug/l	93
68) m/p-Xylenes	11.84	106	11579	1.94	ug/l	95
69) o-Xylene	12.17	106	28618	5.18	ug/l	97
73) Isopropylbenzene	12.47	105	20600	2.44	ug/l	99
78) n-propylbenzene	12.81	91	20973	2.03	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	50912	7.09	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	46387	6.28	ug/l	97
85) sec-Butylbenzene	13.39	105	22551	2.46	ug/l #	69
86) p-Isopropyltoluene	13.51	119	13087	1.64	ug/l	91

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

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Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004757.D

Acq: 18 Aug 2018 02:13

Instrument :

MSVOA_W

ClientSampled :

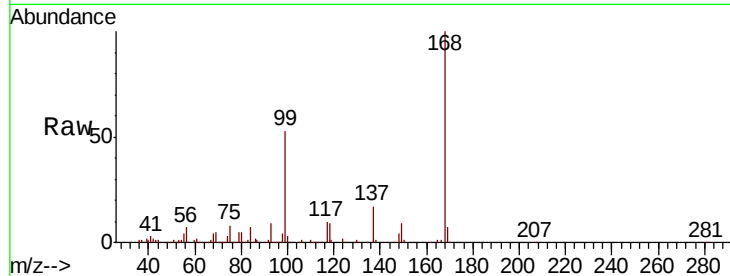
VNJ202

Tot Ion:168 Resp: 408646

Ion Ratio Lower Upper

168 100

99 52.6 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

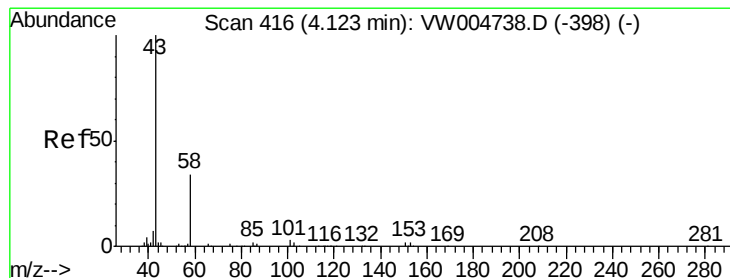
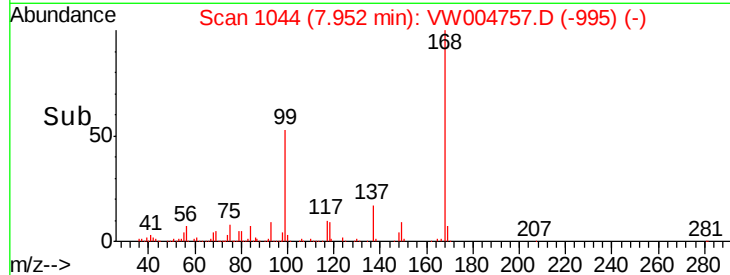
100000

50000

0

7.90 8.00

Time-->



#16

Acetone

Concen: 60.21 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW004757.D

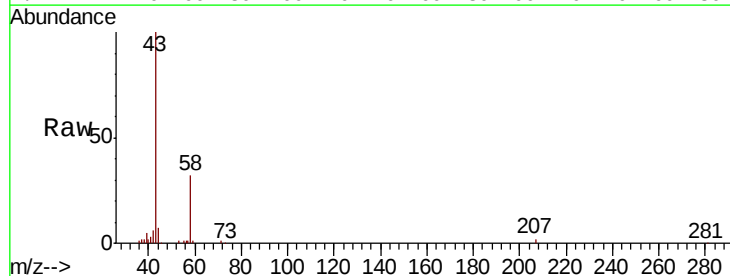
Acq: 18 Aug 2018 02:13

Tgt Ion: 43 Resp: 60723

Ion Ratio Lower Upper

43 100

58 32.0 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

25000

20000

15000

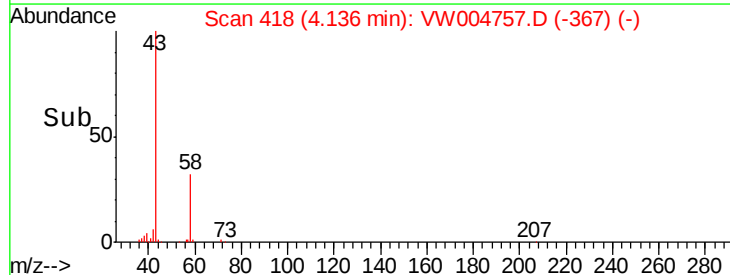
10000

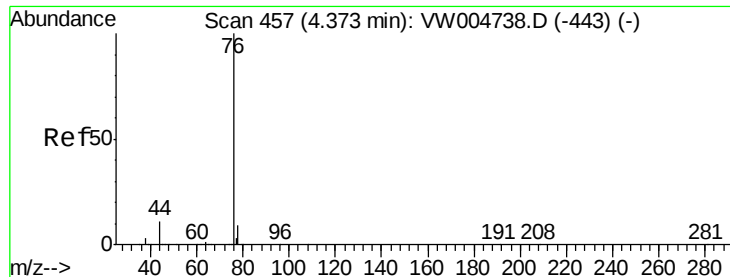
5000

0

4.00 4.10 4.20 4.30

Time-->





#17

Carbon Disulfide

Concen: 1.17 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW004757.D

Acq: 18 Aug 2018 02:13

Instrument :

MSVOA_W

ClientSampleId :

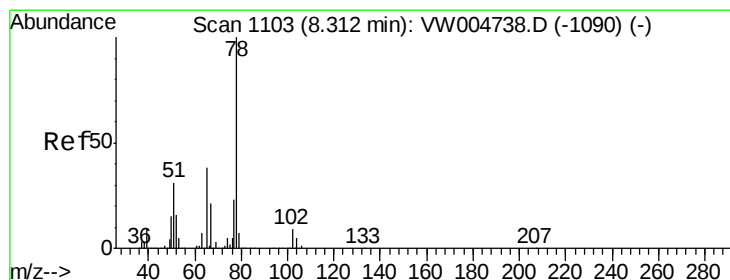
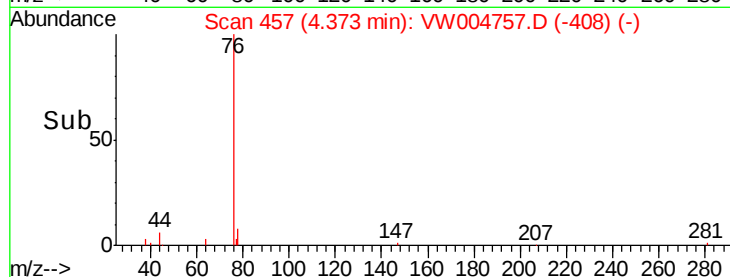
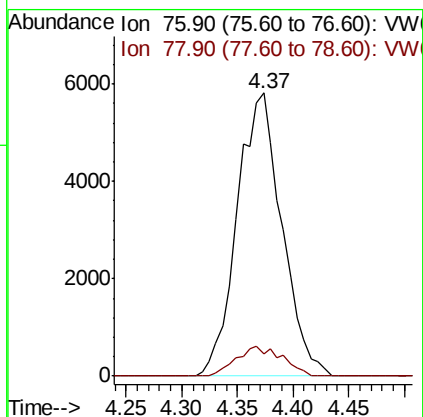
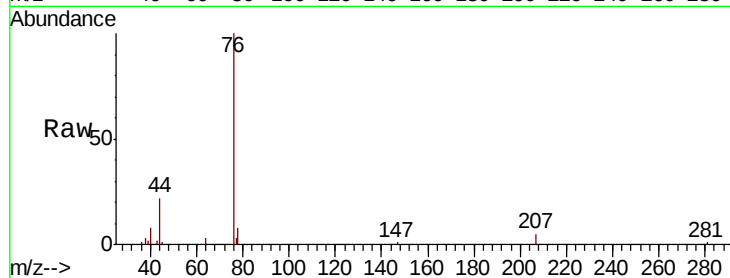
VNJ202

Tot Ion: 76 Resp: 16173

Ion Ratio Lower Upper

76 100

78 7.9 7.4 11.2



#33

1,2-Dichloroethane-d4

Concen: 50.25 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VW004757.D

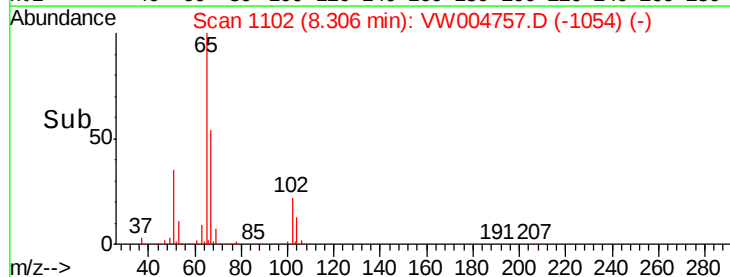
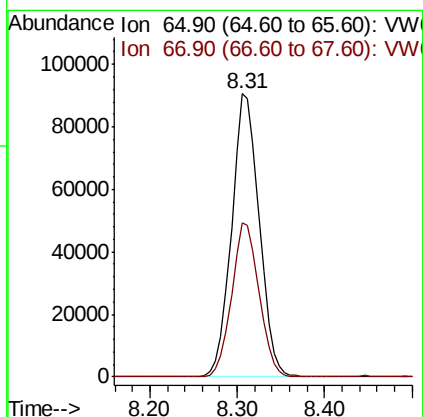
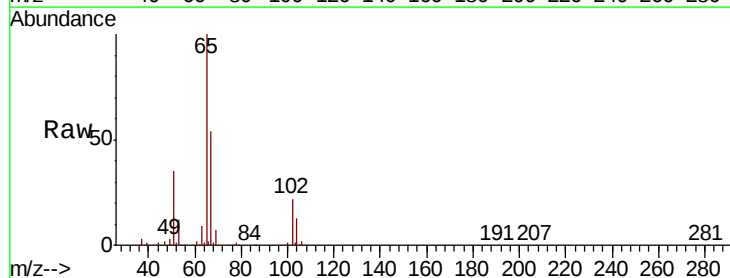
Acq: 18 Aug 2018 02:13

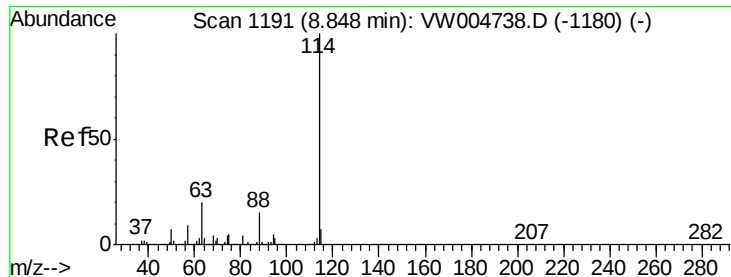
Tgt Ion: 65 Resp: 198523

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004757.D

Acq: 18 Aug 2018 02:13

Instrument :

MSVOA_W

ClientSampleId :

VNJ202

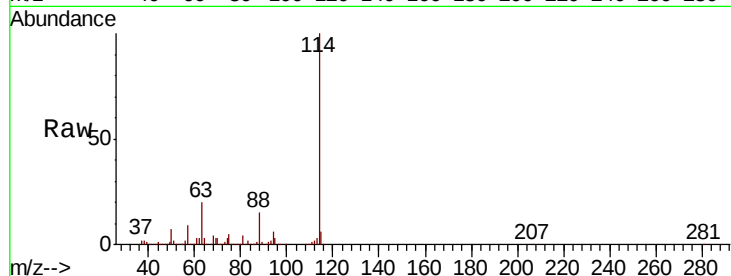
Tot Ion:114 Resp: 616628

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.0

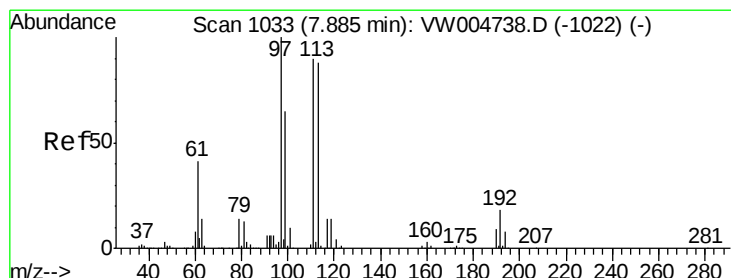
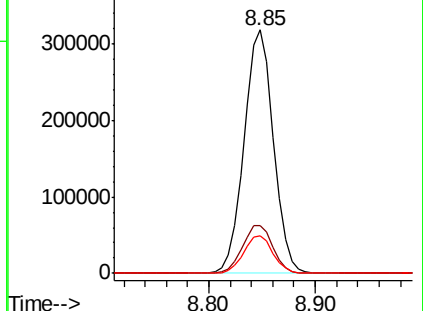
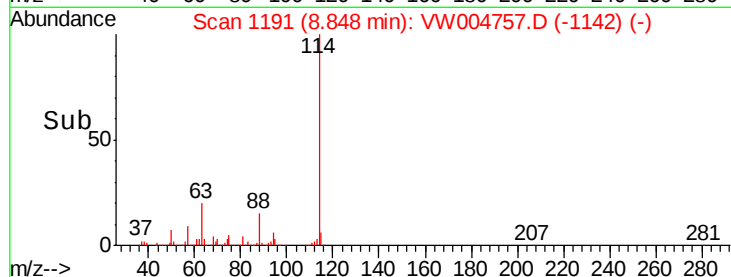
88 15.3 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 51.18 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW004757.D

Acq: 18 Aug 2018 02:13

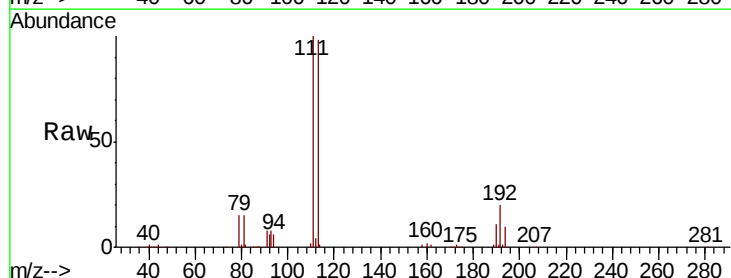
Tgt Ion:113 Resp: 201700

Ion Ratio Lower Upper

113 100

111 102.3 82.4 123.6

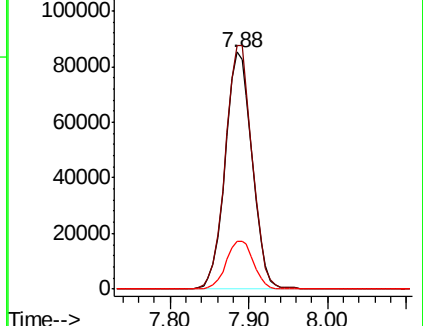
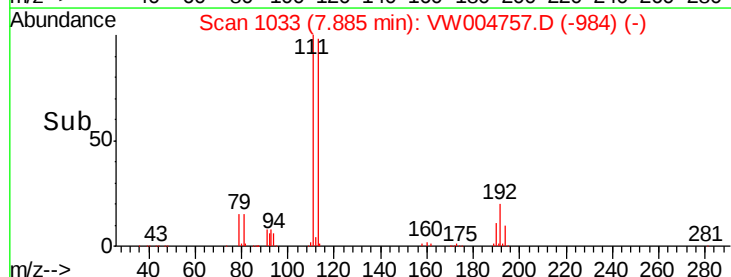
192 20.9 16.7 25.1

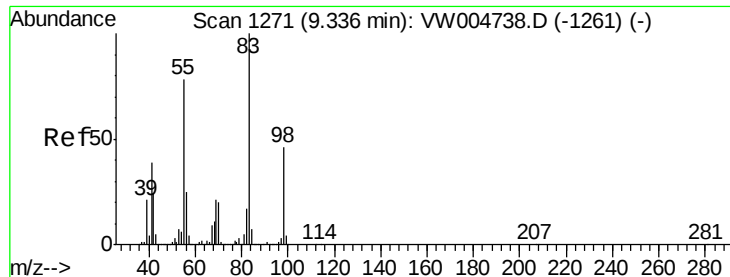


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#39

Methylcyclohexane

Concen: 9.15 ug/l

RT: 9.34 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VW004757.D

Acq: 18 Aug 2018 02:13

Instrument :

MSVOA_W

ClientSampleId :

VNJ202

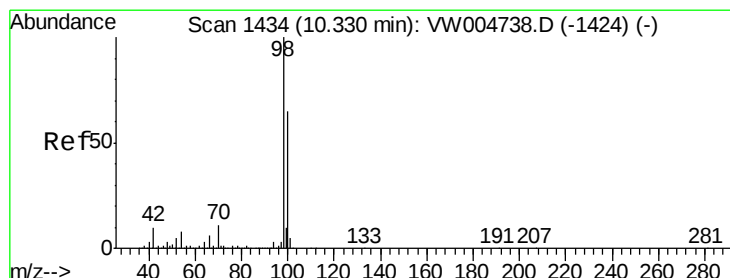
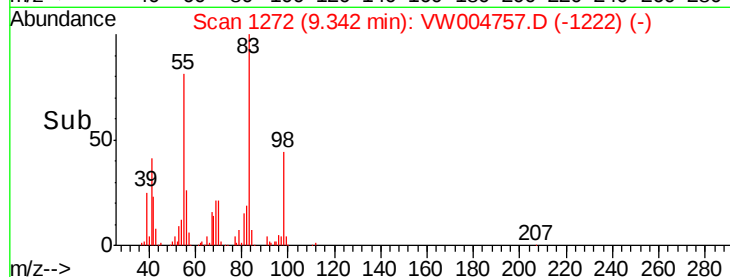
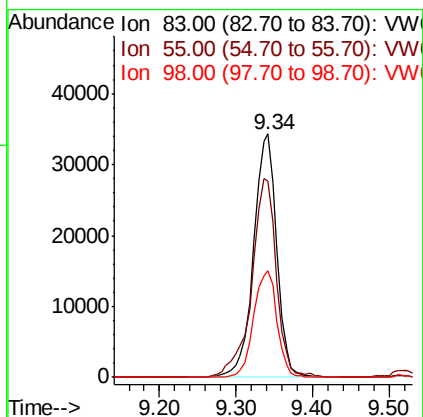
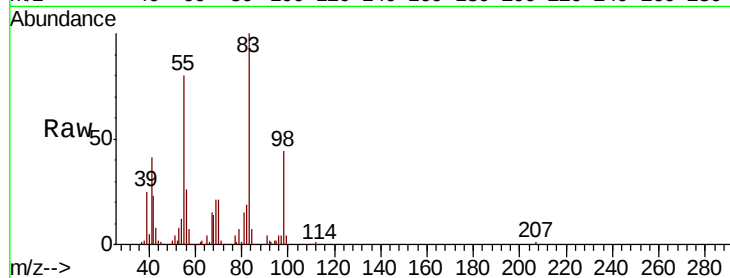
Tot Ion: 83 Resp: 72682

Ion Ratio Lower Upper

83 100

55 80.4 62.4 93.6

98 43.6 36.5 54.7



#50

Toluene-d8

Concen: 41.72 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004757.D

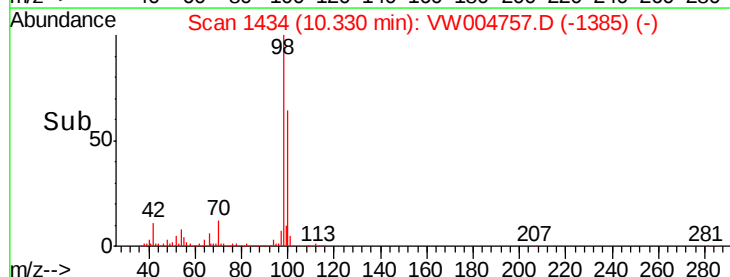
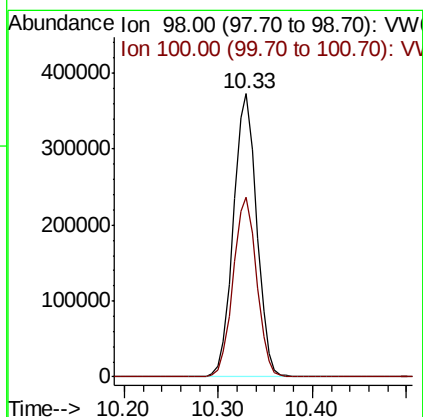
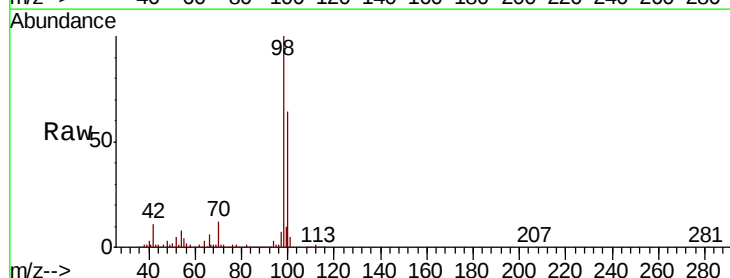
Acq: 18 Aug 2018 02:13

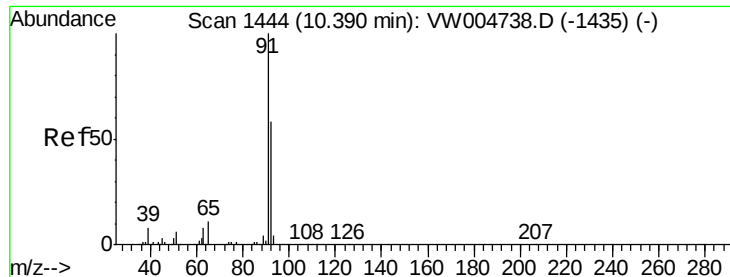
Tgt Ion: 98 Resp: 641795

Ion Ratio Lower Upper

98 100

100 63.8 51.8 77.8





#52

Toluene

Concen: 1.28 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004757.D

Acq: 18 Aug 2018 02:13

Instrument :

MSVOA_W

ClientSampleId :

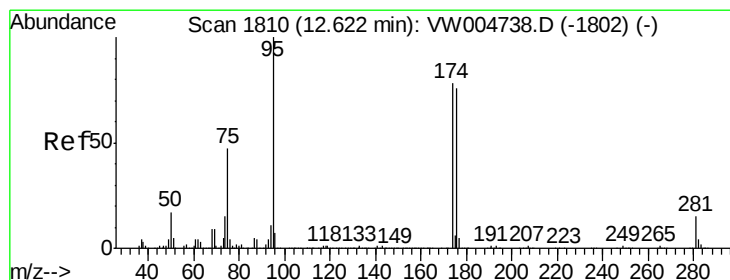
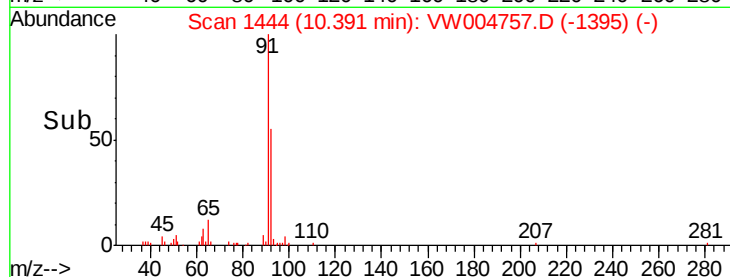
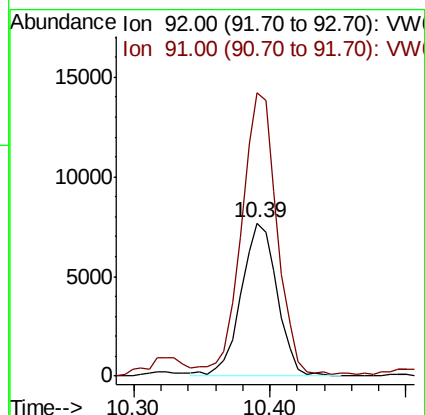
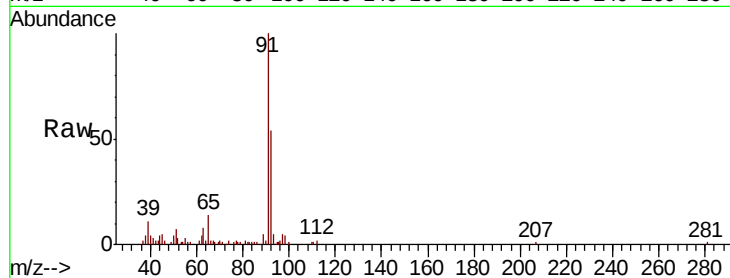
VNJ202

Tot Ion: 92 Resp: 14169

Ion Ratio Lower Upper

92 100

91 182.8 138.3 207.5



#62

4-Bromofluorobenzene

Concen: 27.17 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004757.D

Acq: 18 Aug 2018 02:13

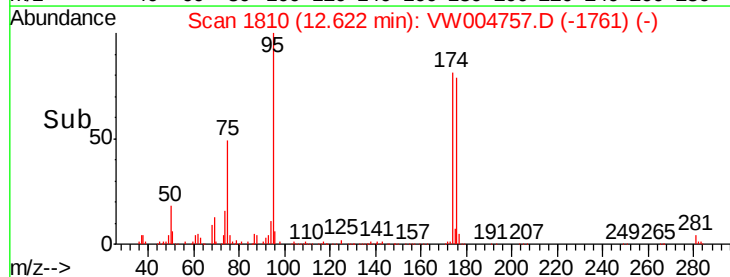
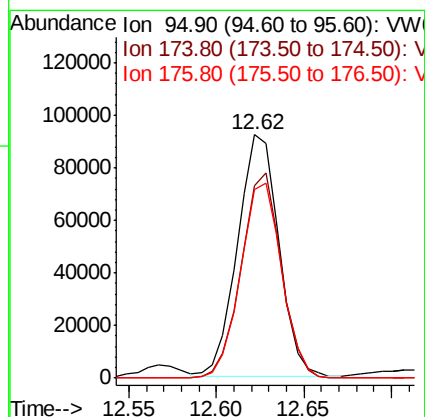
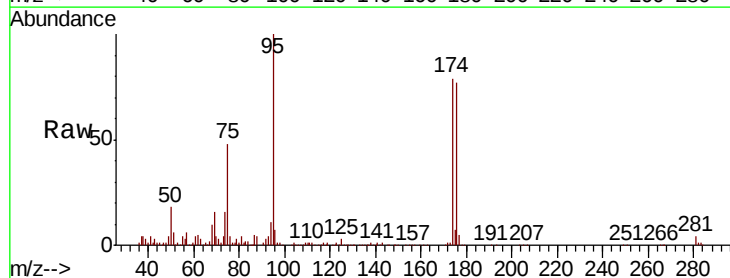
Tgt Ion: 95 Resp: 150395

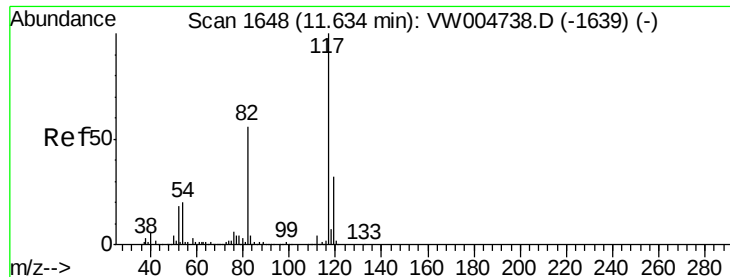
Ion Ratio Lower Upper

95 100

174 82.7 0.0 165.8

176 80.5 0.0 159.8

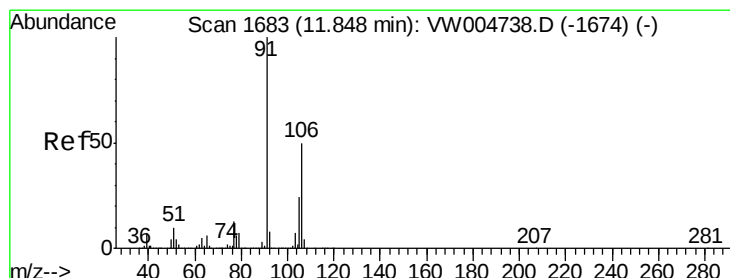
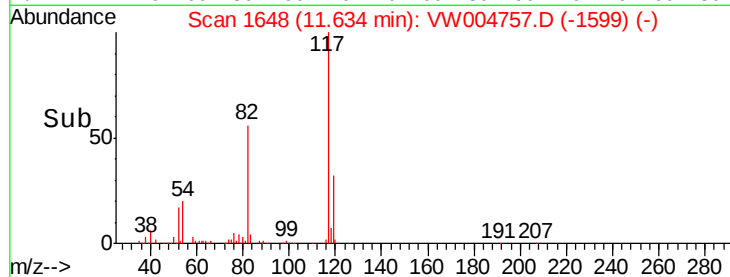
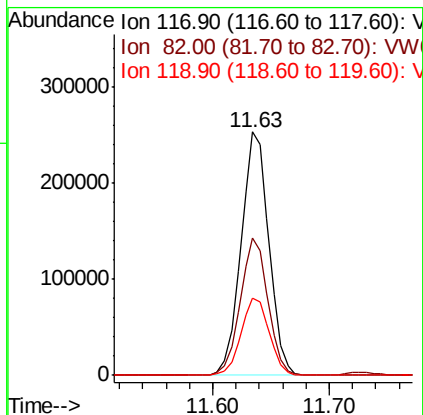
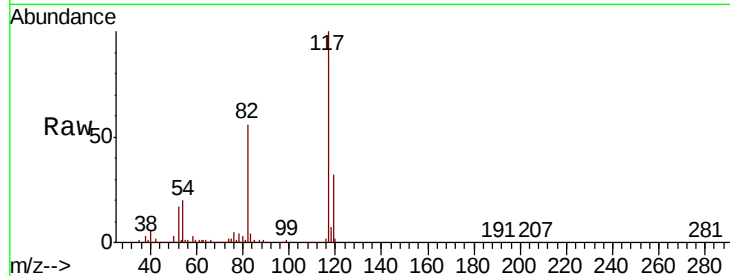




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004757.D
Acq: 18 Aug 2018 02:13

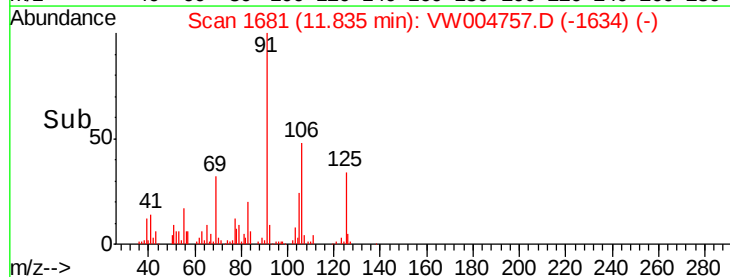
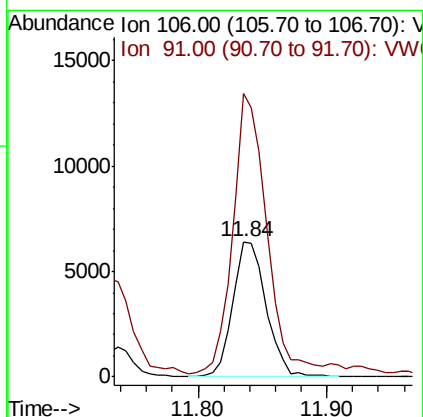
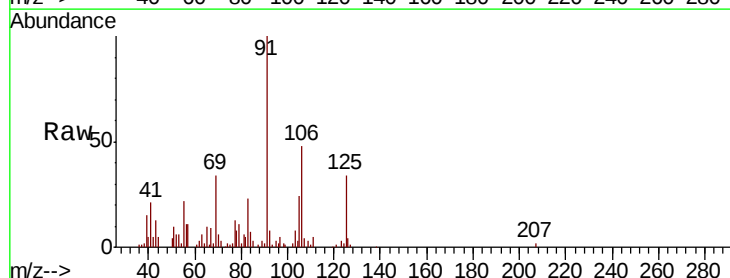
Instrument :
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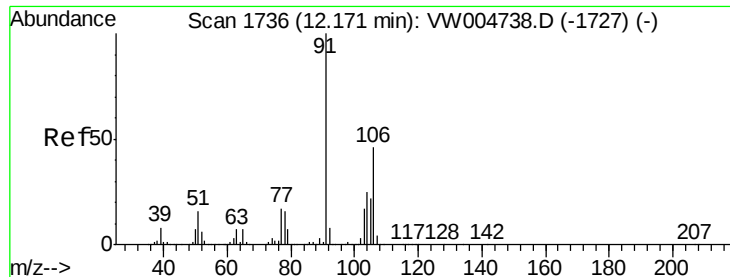
Tot Ion:117 Resp: 420006
Ion Ratio Lower Upper
117 100
82 56.0 44.6 67.0
119 31.9 25.6 38.4



#68
m/p-Xylenes
Concen: 1.94 ug/l
RT: 11.84 min Scan# 1681
Delta R.T. -0.01 min
Lab File: VW004757.D
Acq: 18 Aug 2018 02:13

Tgt Ion:106 Resp: 11579
Ion Ratio Lower Upper
106 100
91 207.8 159.9 239.9

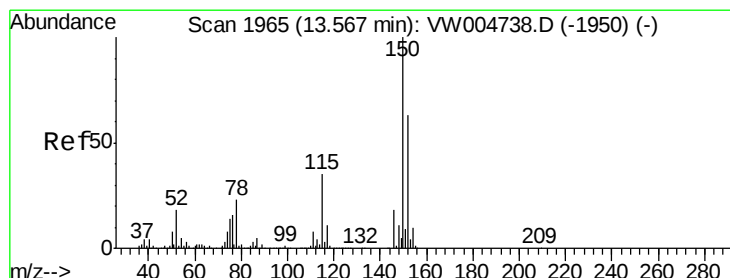
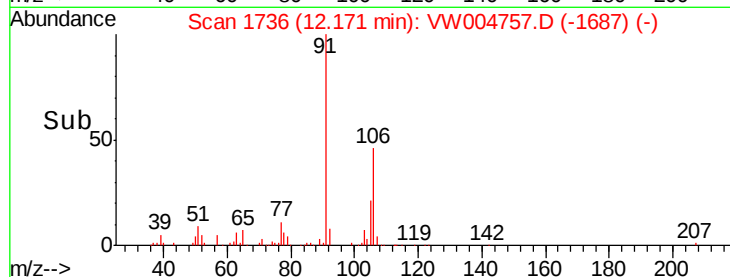
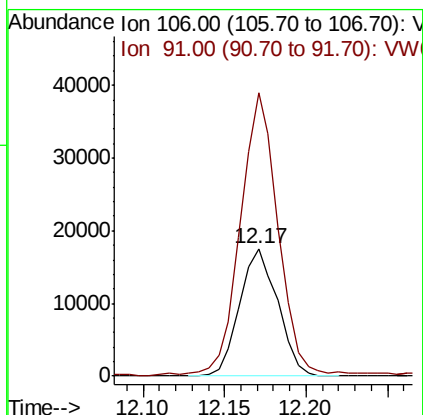
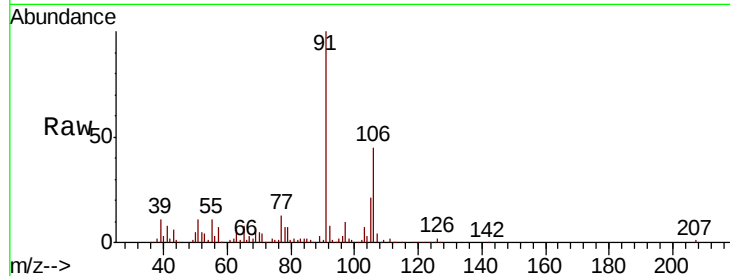




#69
o-Xylene
Concen: 5.18 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004757.D
Acq: 18 Aug 2018 02:13

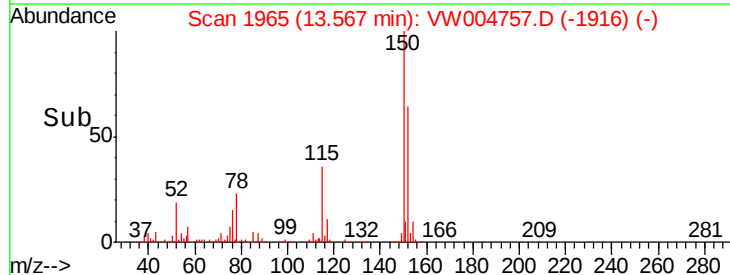
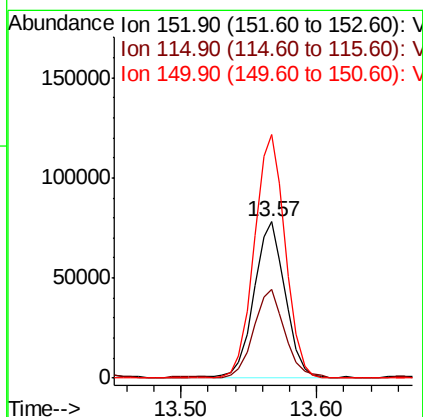
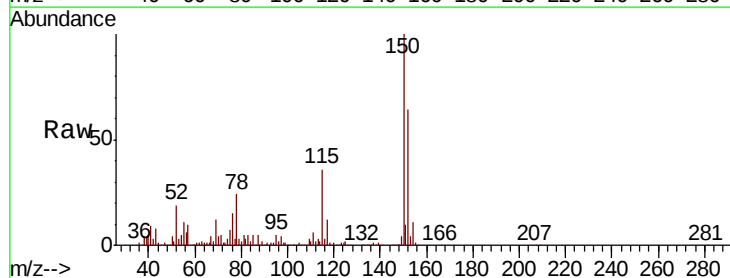
Instrument :
MSVOA_W
ClientSampled :
VNJ202

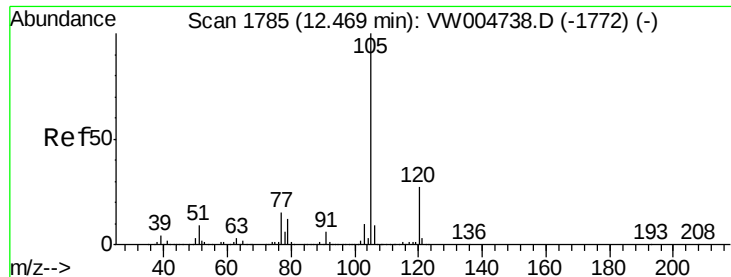
Tot Ion:106 Resp: 28618
Ion Ratio Lower Upper
106 100
91 219.9 107.3 321.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004757.D
Acq: 18 Aug 2018 02:13

Tgt Ion:152 Resp: 124169
Ion Ratio Lower Upper
152 100
115 57.4 28.5 85.5
150 156.0 0.0 344.8





#73

Isopropylbenzene

Concen: 2.44 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004757.D

Acq: 18 Aug 2018 02:13

Instrument :

MSVOA_W

ClientSampled :

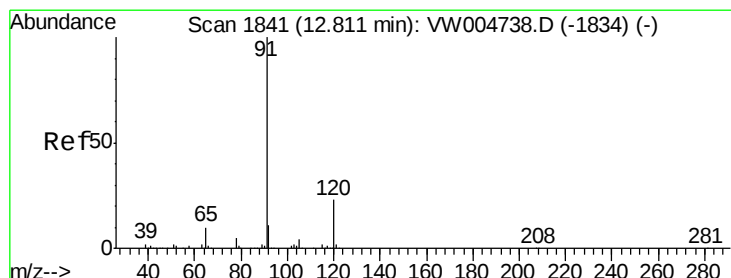
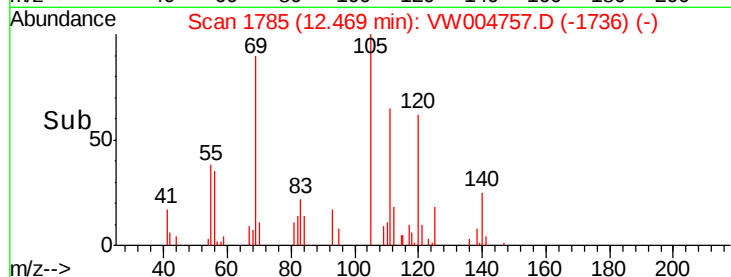
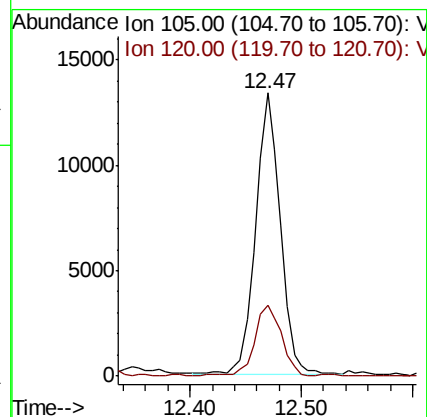
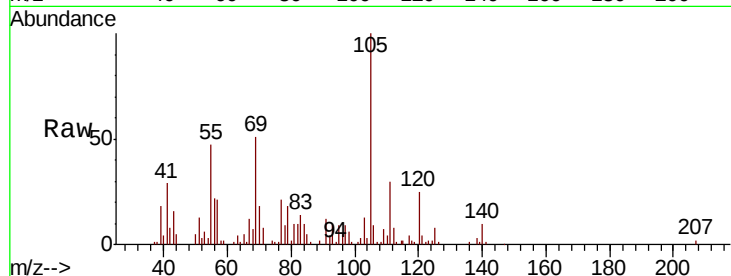
VNJ202

Tot Ion:105 Resp: 20600

Ion Ratio Lower Upper

105 100

120 27.3 13.3 39.9



#78

n-propylbenzene

Concen: 2.03 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004757.D

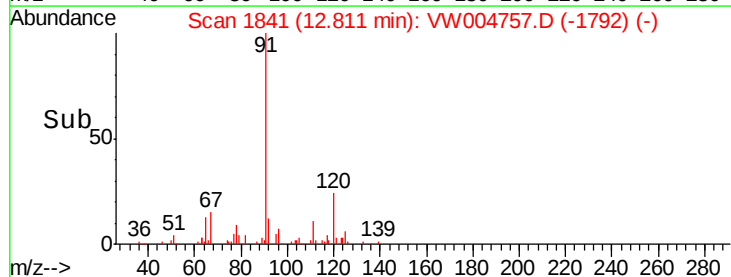
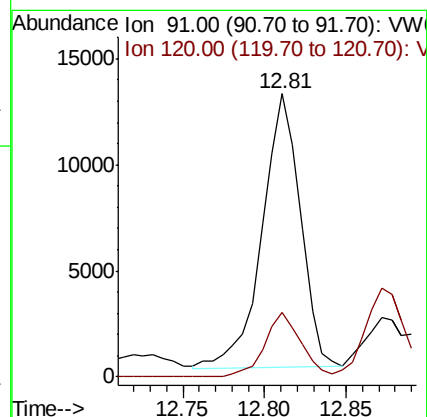
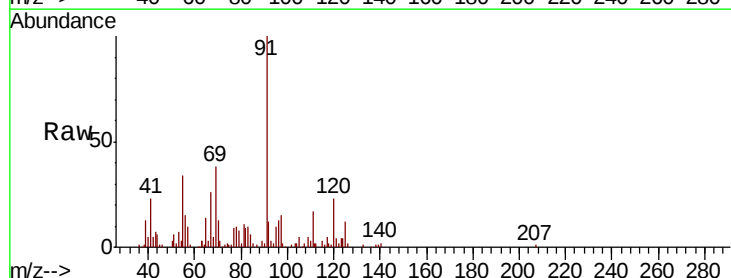
Acq: 18 Aug 2018 02:13

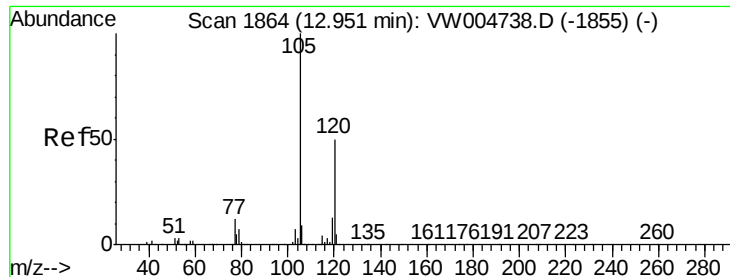
Tgt Ion: 91 Resp: 20973

Ion Ratio Lower Upper

91 100

120 22.5 11.4 34.2





#80

1,3,5-Trimethylbenzene

Concen: 7.09 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004757.D

Acq: 18 Aug 2018 02:13

Instrument :

MSVOA_W

ClientSampleId :

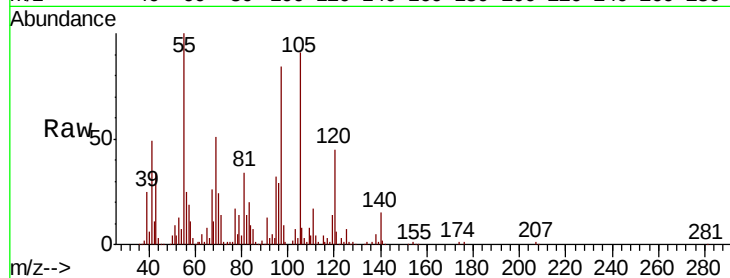
VNJ202

Tot Ion:105 Resp: 50912

Ion Ratio Lower Upper

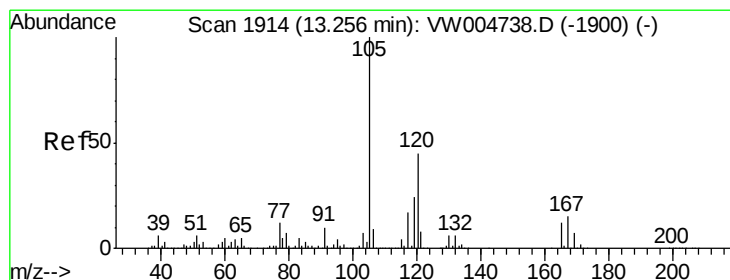
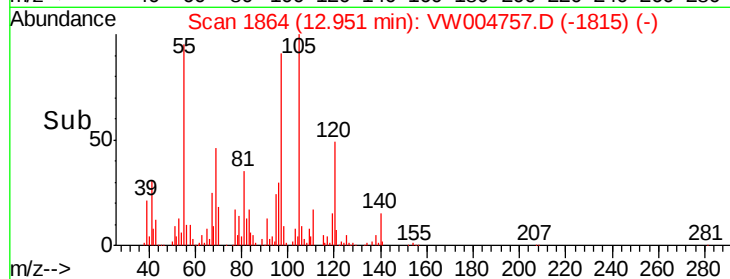
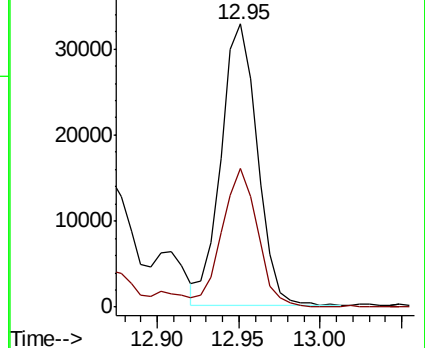
105 100

120 48.4 24.7 74.1



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: 6.28 ug/l

RT: 13.26 min Scan# 1914

Delta R.T. 0.00 min

Lab File: VW004757.D

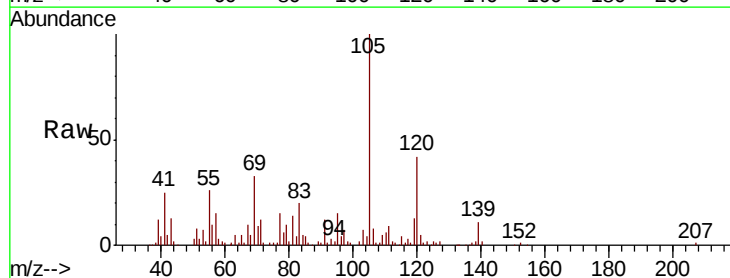
Acq: 18 Aug 2018 02:13

Tgt Ion:105 Resp: 46387

Ion Ratio Lower Upper

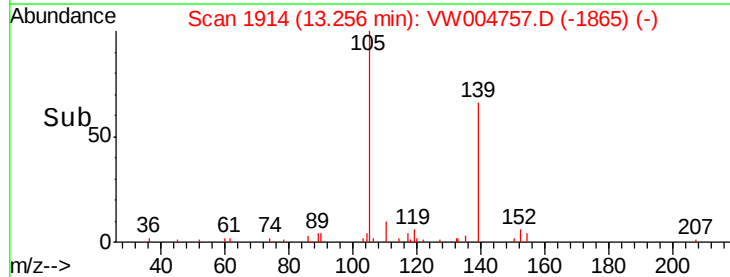
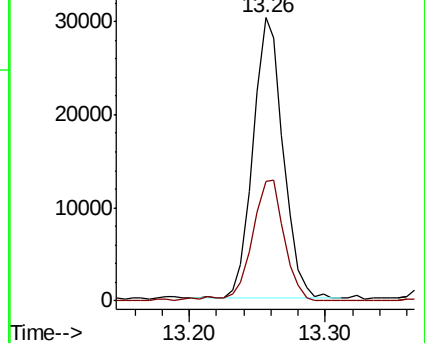
105 100

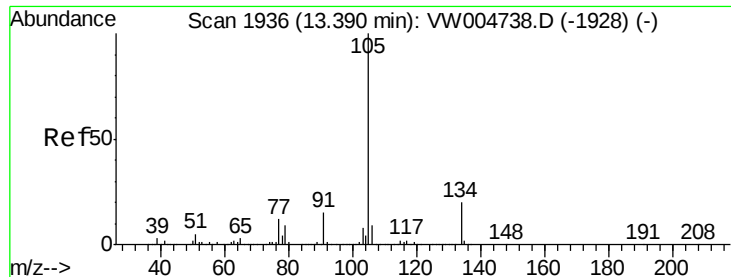
120 47.4 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 2.46 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW004757.D

Acq: 18 Aug 2018 02:13

Instrument :

MSVOA_W

ClientSampleId :

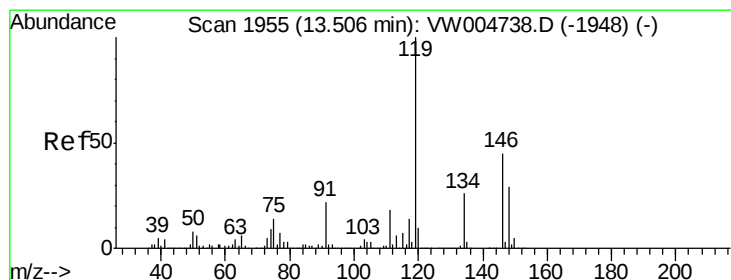
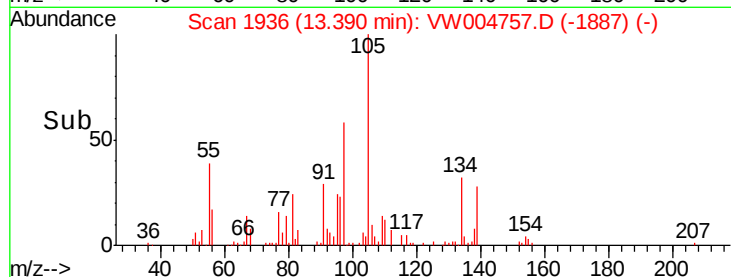
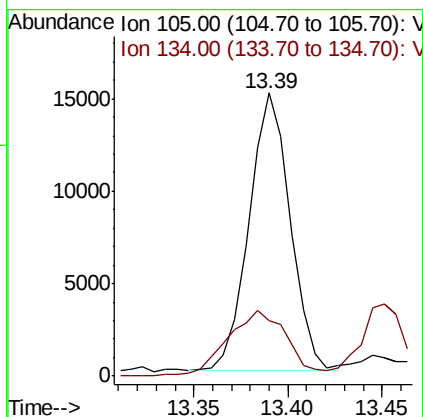
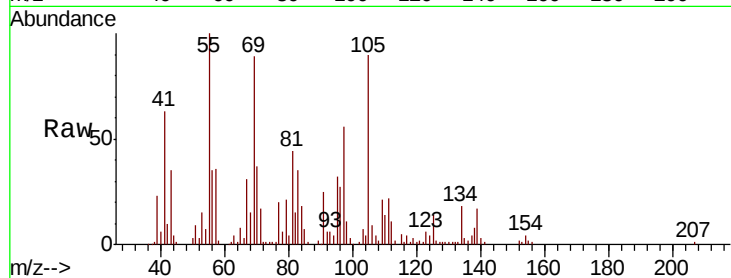
VNJ202

Tot Ion:105 Resp: 22551

Ion Ratio Lower Upper

105 100

134 34.3 10.0 29.8#



#86

p-Isopropyltoluene

Concen: 1.64 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004757.D

Acq: 18 Aug 2018 02:13

Tgt Ion:119 Resp: 13087

Ion Ratio Lower Upper

119 100

134 29.3 13.1 39.3

91 15.8 11.2 33.5

