

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010719\
 Data File : VW008077.D
 Acq On : 07 Jan 2019 18:35
 Operator : SY/AP
 Sample : K1071-06
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-15(20-25)

Quant Time: Jan 08 05:00:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	71656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	118400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	99017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	55999	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	44769	56.49	ug/l	0.00
Spiked Amount			Recovery	=	112.98%	
35) Dibromofluoromethane	7.88	113	36179	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
50) Toluene-d8	10.32	98	146465	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	
62) 4-Bromofluorobenzene	12.62	95	69452	64.68	ug/l	0.00
Spiked Amount			Recovery	=	129.36%	

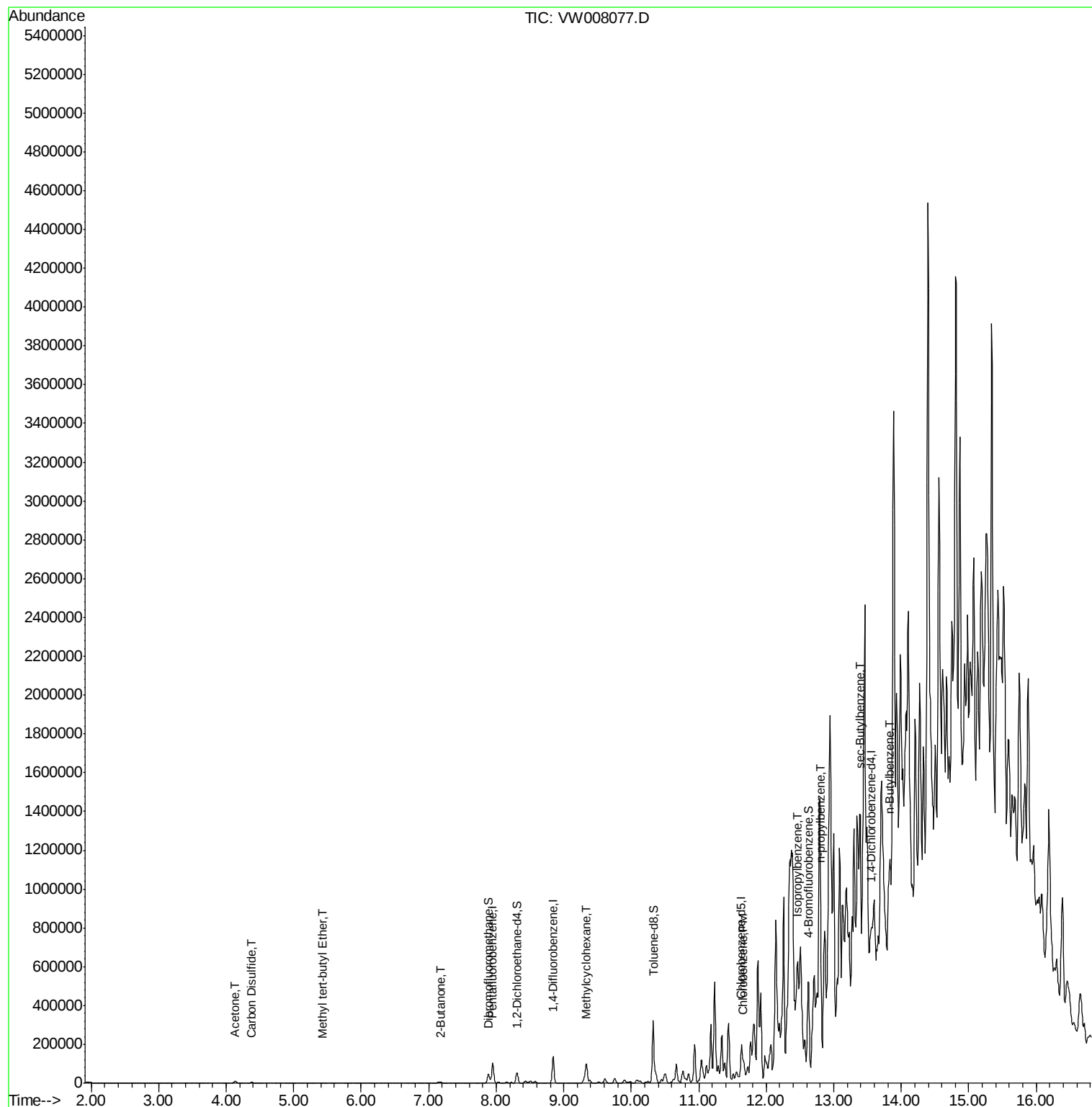
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	18534	151.070	ug/l	100
17) Carbon Disulfide	4.37	76	7329	3.335	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	1618	1.429	ug/l #	83
25) 2-Butanone	7.18	43	6434	44.511	ug/l	91
39) Methylcyclohexane	9.34	83	43142	29.633	ug/l	98
65) Chlorobenzene	11.66	112	29778	14.071	ug/l	97
73) Isopropylbenzene	12.47	105	90278	20.274	ug/l	99
78) n-propylbenzene	12.81	91	200218	38.781	ug/l	98
85) sec-Butylbenzene	13.39	105	270806	58.703	ug/l	83
89) n-Butylbenzene	13.83	91	168376	44.239	ug/l	88

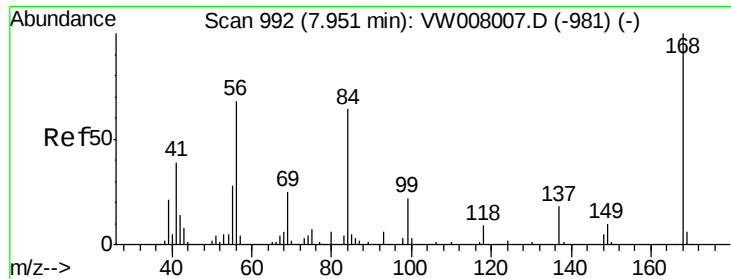
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008077.D

Acq: 07 Jan 2019 18:35

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MSVOA_W

ClientSampleId :

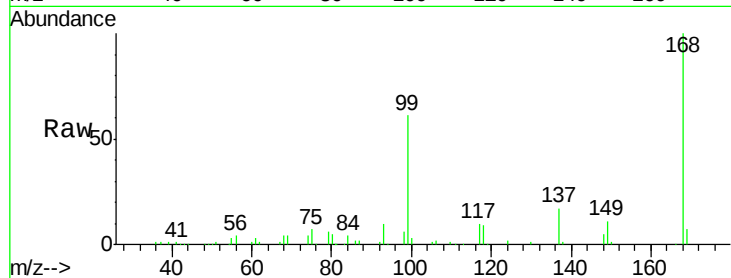
CPSB-15(20-25)

Tot Ion:168 Resp: 71656

Ion Ratio Lower Upper

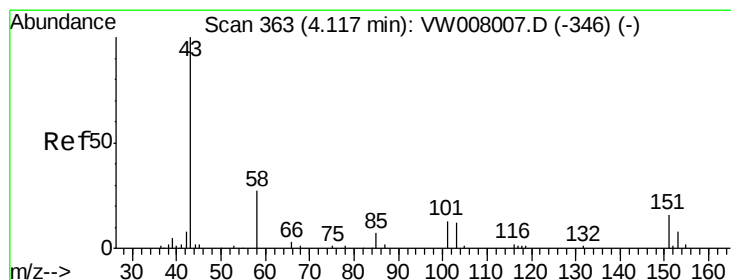
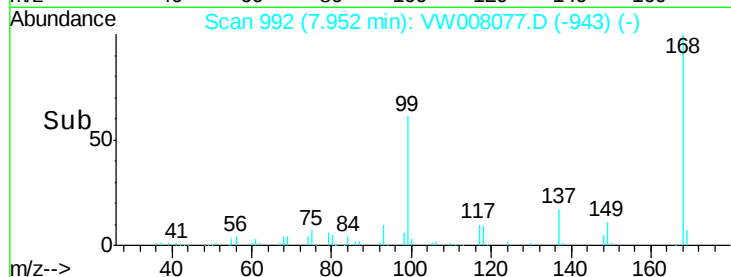
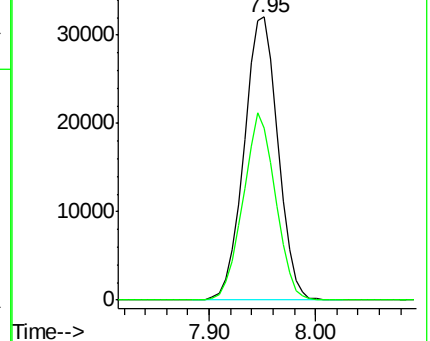
168 100

99 61.0 51.6 77.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 151.070 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008077.D

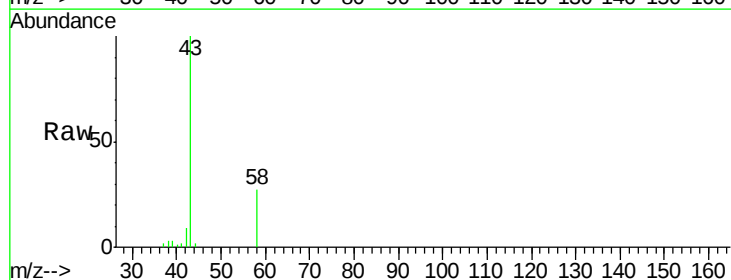
Acq: 07 Jan 2019 18:35

Tgt Ion: 43 Resp: 18534

Ion Ratio Lower Upper

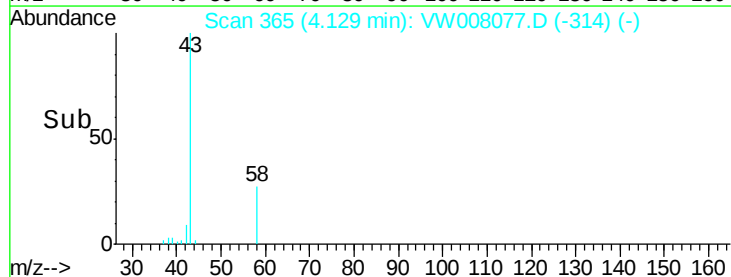
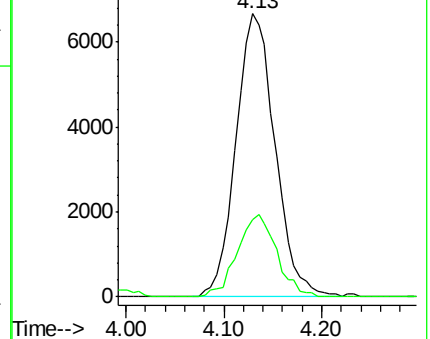
43 100

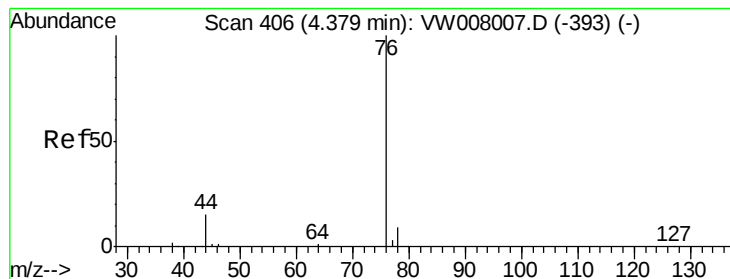
58 27.3 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 3.335 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW008077.D

Acq: 07 Jan 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

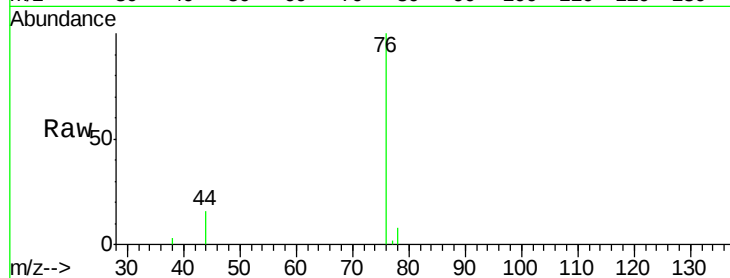
CPSB-15(20-25)

Tot Ion: 76 Resp: 7329

Ion Ratio Lower Upper

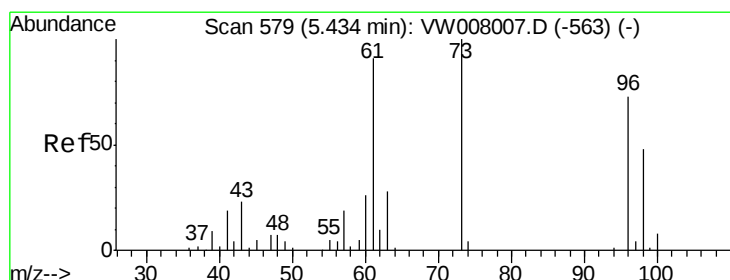
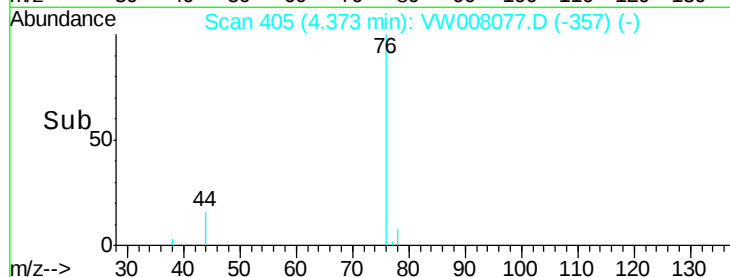
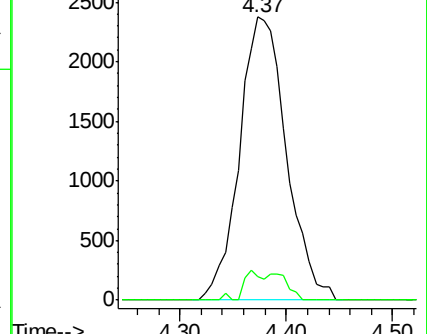
76 100

78 8.5 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#19

Methyl tert-butyl Ether

Concen: 1.429 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.02 min

Lab File: VW008077.D

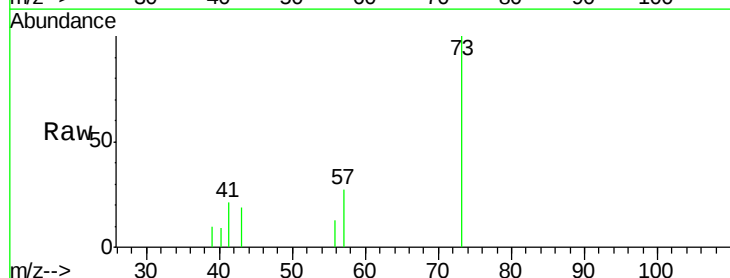
Acq: 07 Jan 2019 18:35

Tgt Ion: 73 Resp: 1618

Ion Ratio Lower Upper

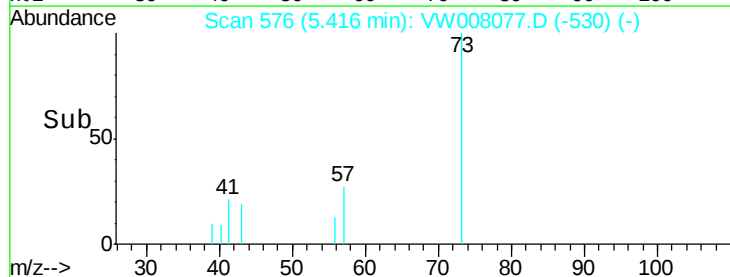
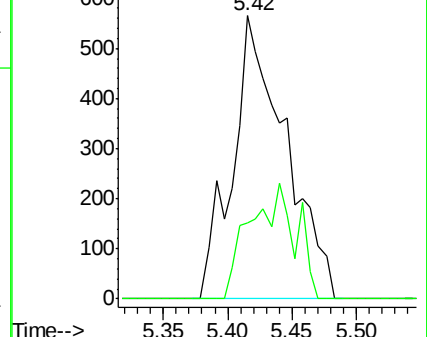
73 100

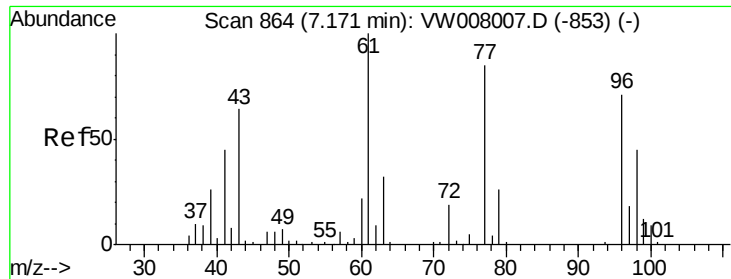
57 26.7 15.4 23.0#



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW





#25

2-Butanone

Concen: 44.511 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008077.D

Acq: 07 Jan 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

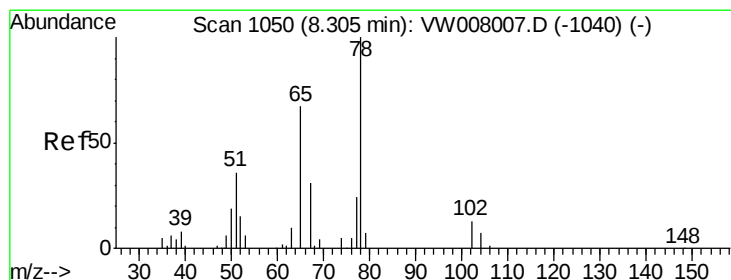
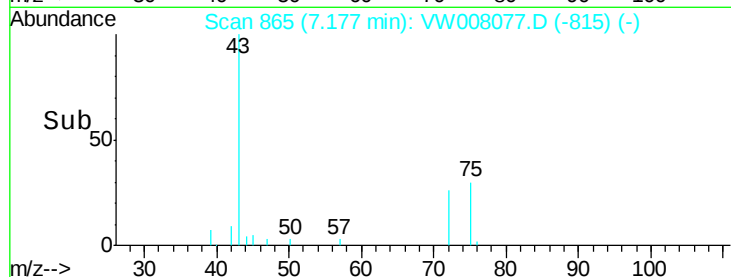
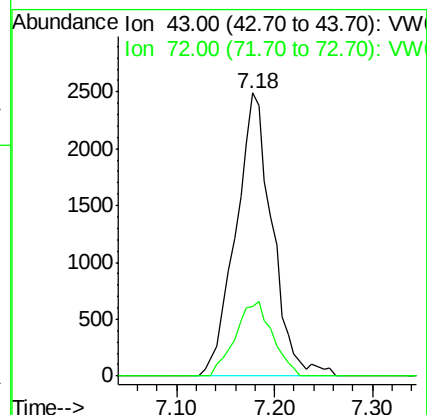
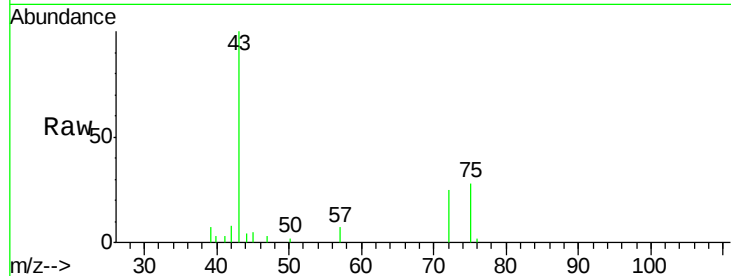
CPSB-15(20-25)

Tot Ion: 43 Resp: 6434

Ion Ratio Lower Upper

43 100

72 24.7 23.8 35.8



#33

1,2-Dichloroethane-d4

Concen: 56.487 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008077.D

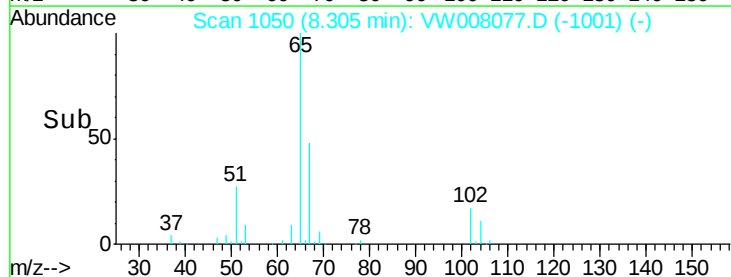
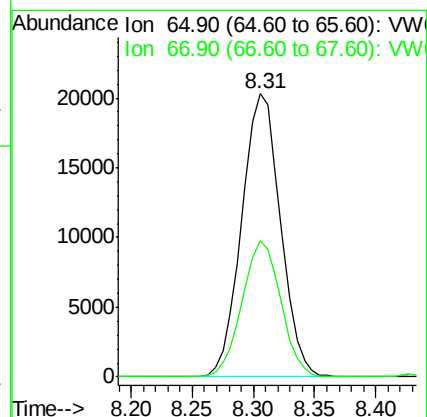
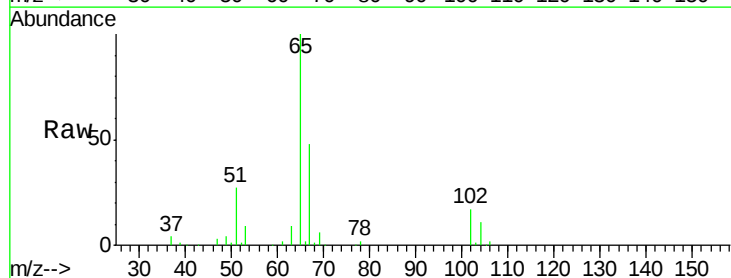
Acq: 07 Jan 2019 18:35

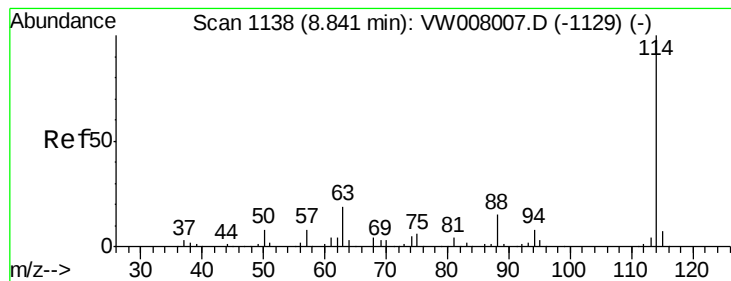
Tgt Ion: 65 Resp: 44769

Ion Ratio Lower Upper

65 100

67 47.8 0.0 94.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008077.D

Acq: 07 Jan 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

CPSB-15(20-25)

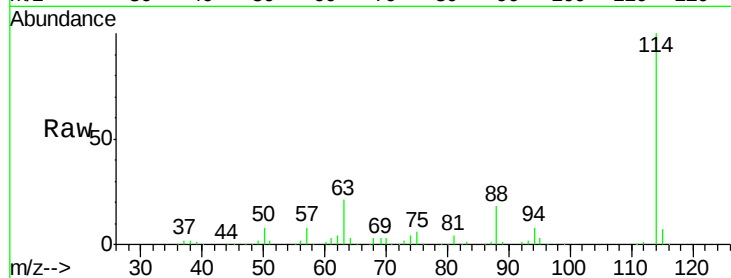
Tot Ion:114 Resp: 118400

Ion Ratio Lower Upper

114 100

63 21.4 0.0 37.8

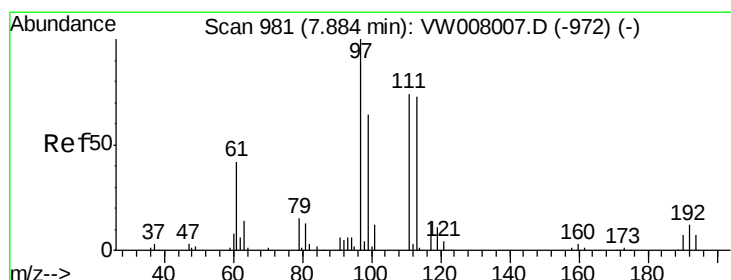
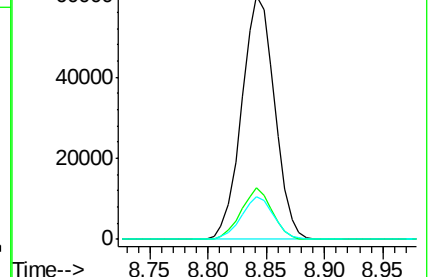
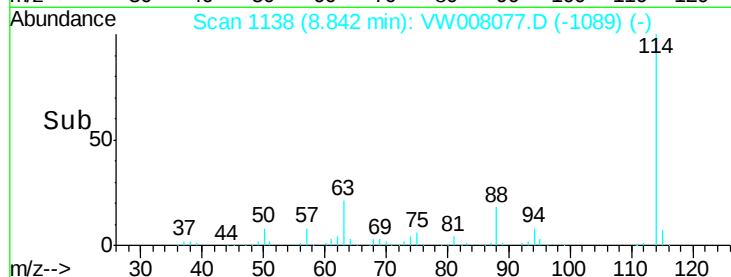
88 17.5 0.0 31.0



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: 48.471 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008077.D

Acq: 07 Jan 2019 18:35

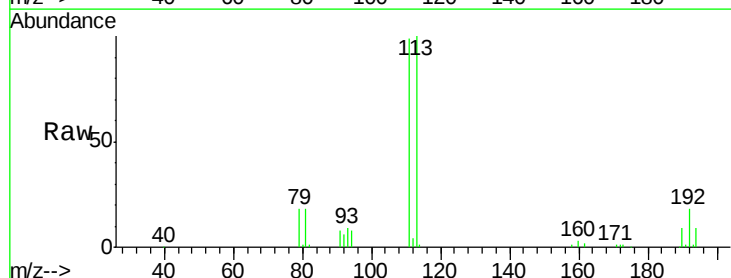
Tgt Ion:113 Resp: 36179

Ion Ratio Lower Upper

113 100

111 100.9 81.4 122.0

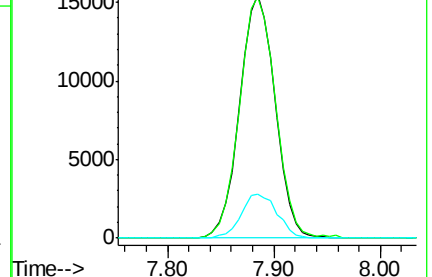
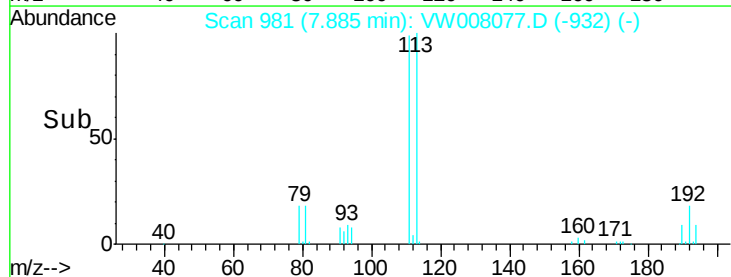
192 18.4 14.8 22.2

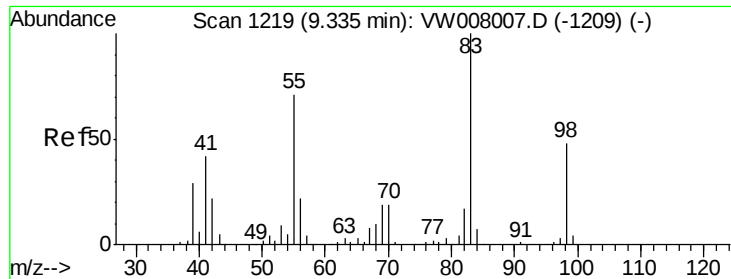


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

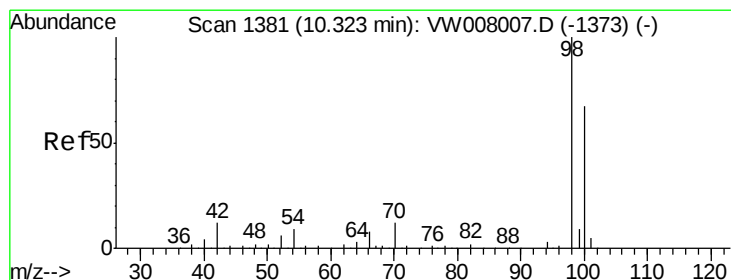
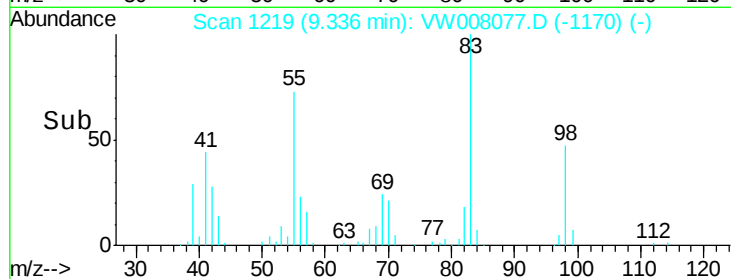
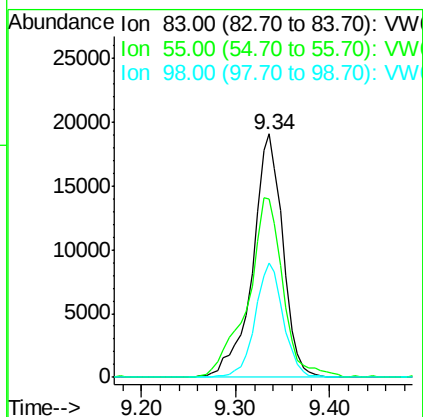
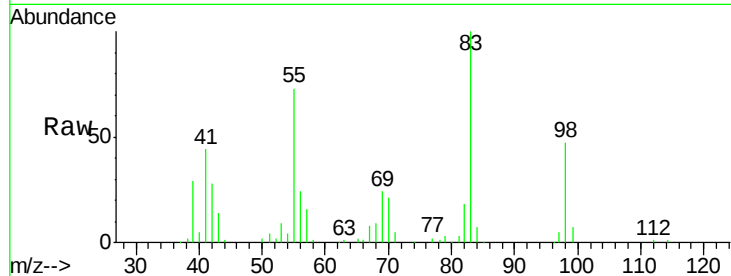




#39
Methylcyclohexane
Concen: 29.633 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008077.D
Acq: 07 Jan 2019 18:35

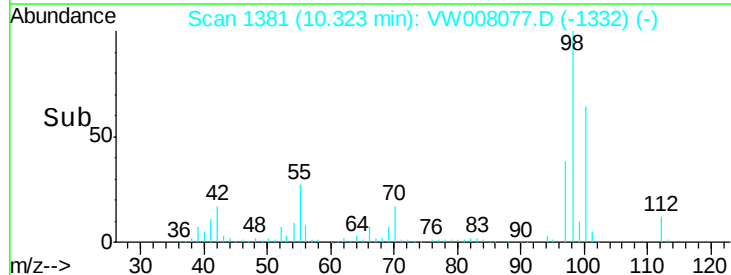
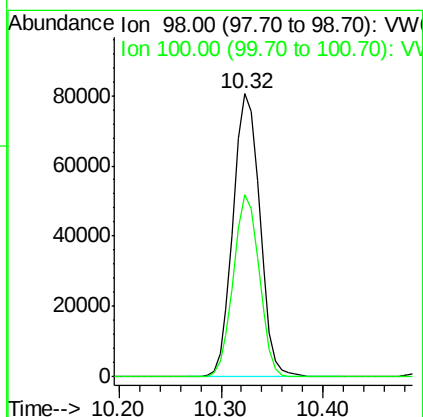
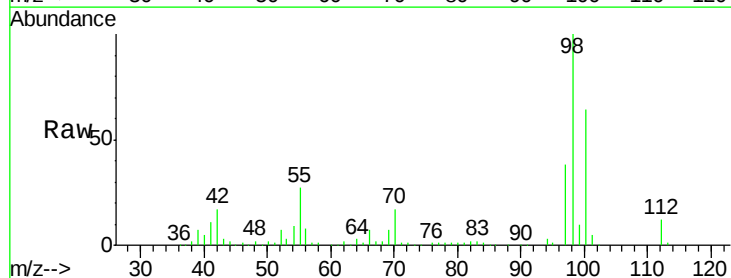
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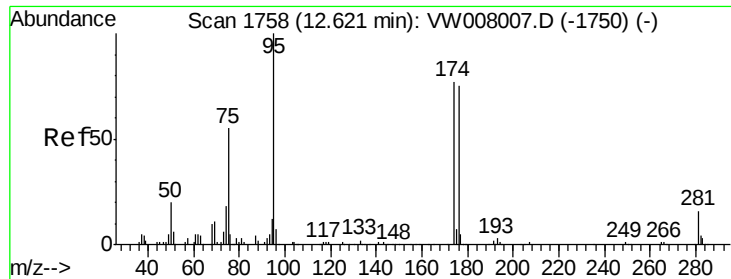
Tot Ion: 83 Resp: 43142
Ion Ratio Lower Upper
83 100
55 73.2 56.8 85.2
98 47.1 38.6 58.0



#50
Toluene-d8
Concen: 52.310 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008077.D
Acq: 07 Jan 2019 18:35

Tgt Ion: 98 Resp: 146465
Ion Ratio Lower Upper
98 100
100 61.9 52.9 79.3

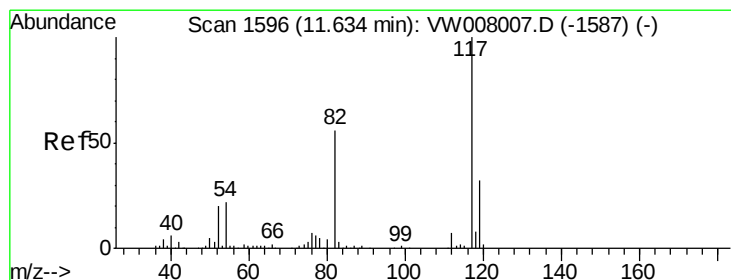
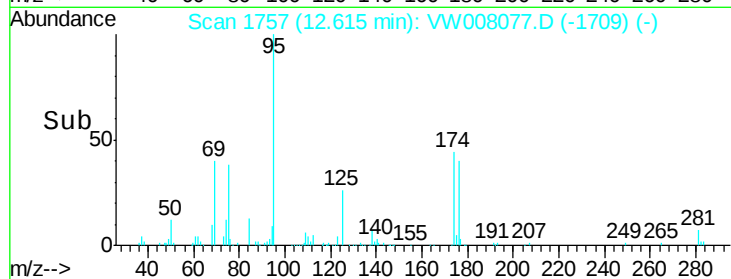
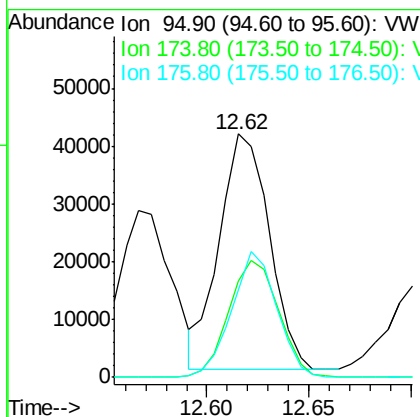
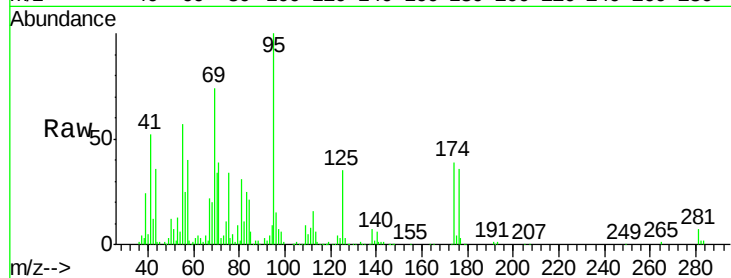




#62
4-Bromofluorobenzene
Concen: 64.679 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW008077.D
Acq: 07 Jan 2019 18:35

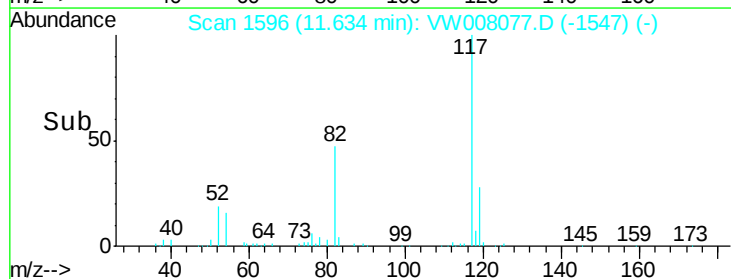
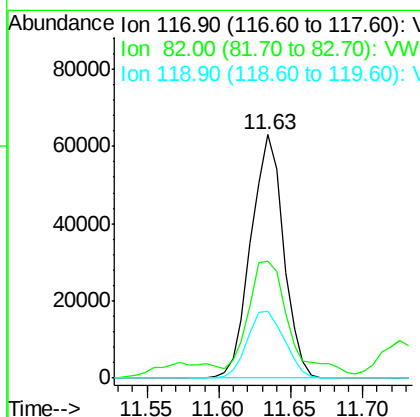
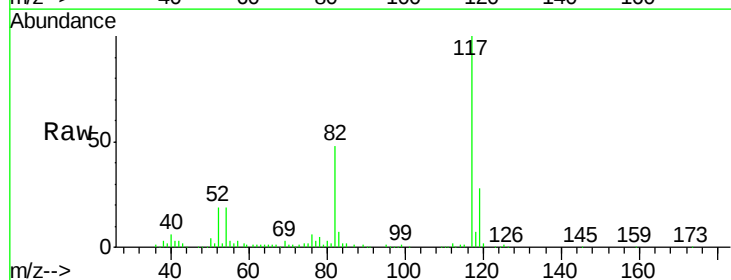
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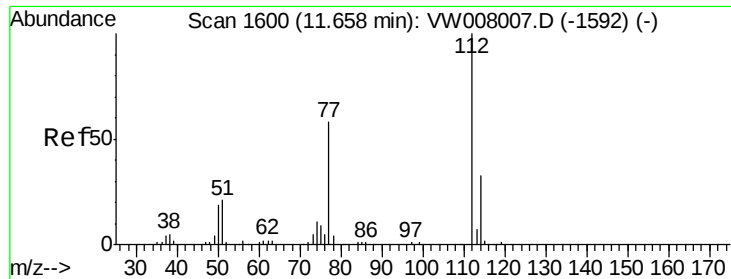
Tot Ion: 95 Resp: 69452
Ion Ratio Lower Upper
95 100
174 49.4 0.0 149.6
176 48.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008077.D
Acq: 07 Jan 2019 18:35

Tgt Ion: 117 Resp: 99017
Ion Ratio Lower Upper
117 100
82 43.6 44.8 67.2#
119 27.6 25.6 38.4

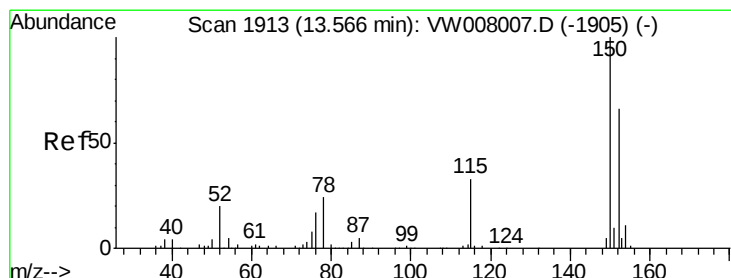
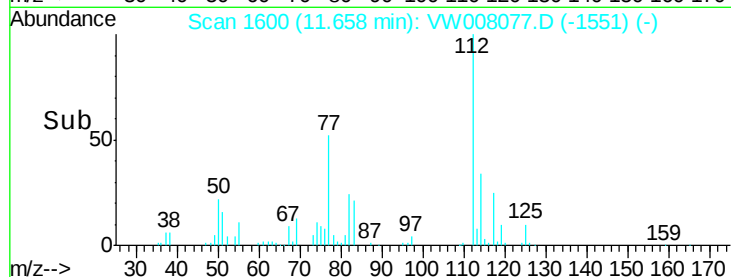
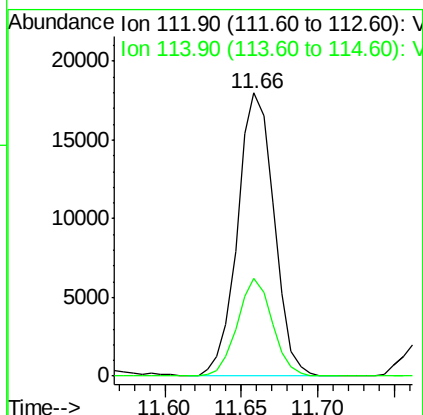
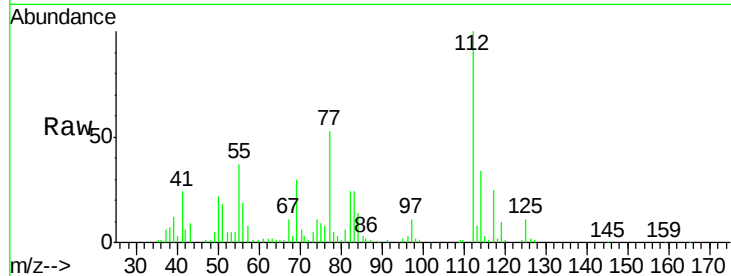




#65
Chlorobenzene
Concen: 14.071 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008077.D
Acq: 07 Jan 2019 18:35

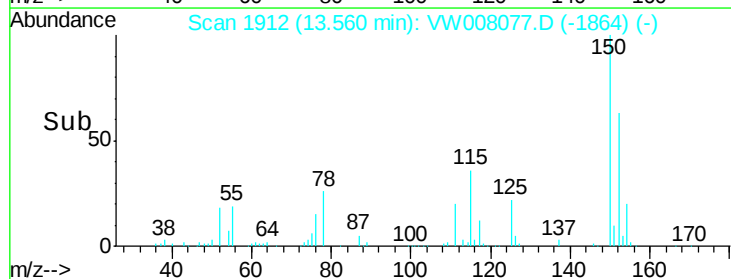
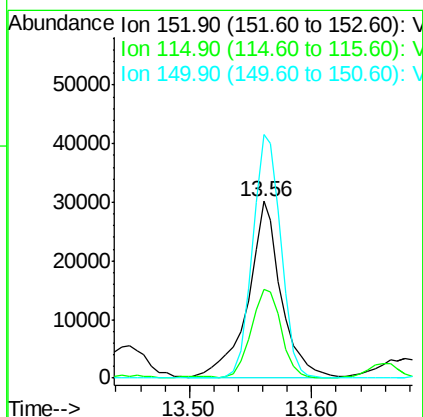
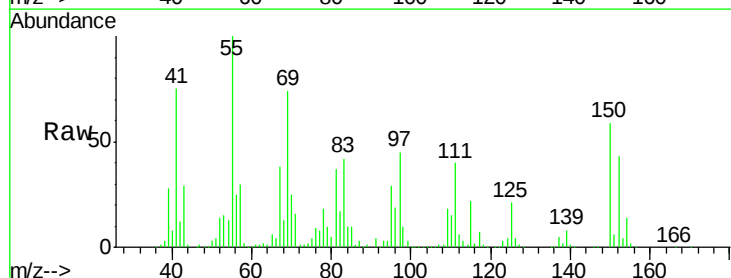
Instrument :
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CPSB-15(20-25)

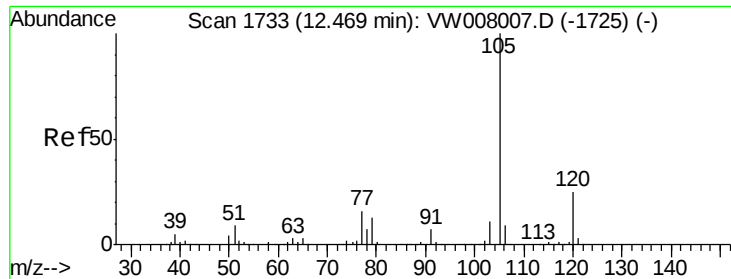
Tot Ion:112 Resp: 29778
Ion Ratio Lower Upper
112 100
114 34.4 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW008077.D
Acq: 07 Jan 2019 18:35

Tgt Ion:152 Resp: 55999
Ion Ratio Lower Upper
152 100
115 46.6 32.1 96.5
150 119.7 0.0 345.0





#73

Isopropylbenzene

Concen: 20.274 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008077.D

Acq: 07 Jan 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

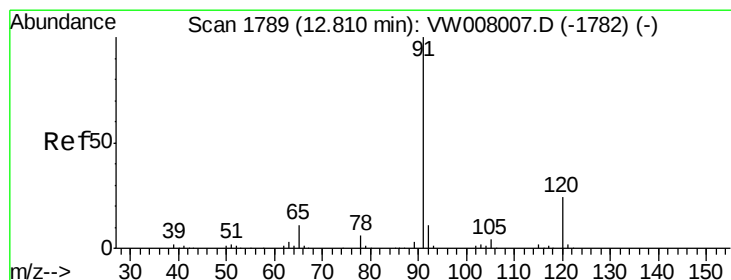
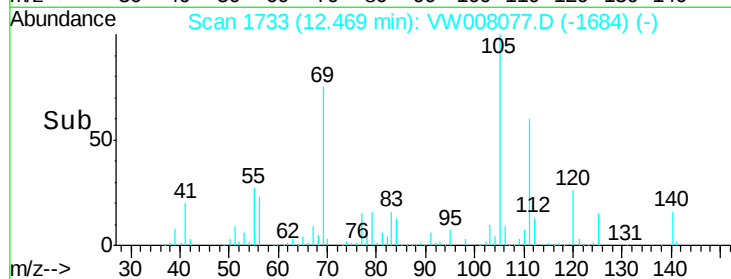
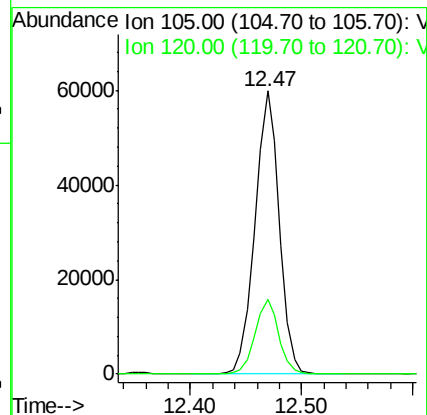
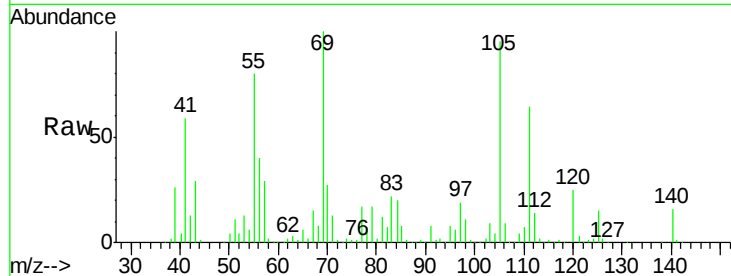
CPSB-15(20-25)

Tot Ion: 105 Resp: 90278

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.3



#78

n-propylbenzene

Concen: 38.781 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008077.D

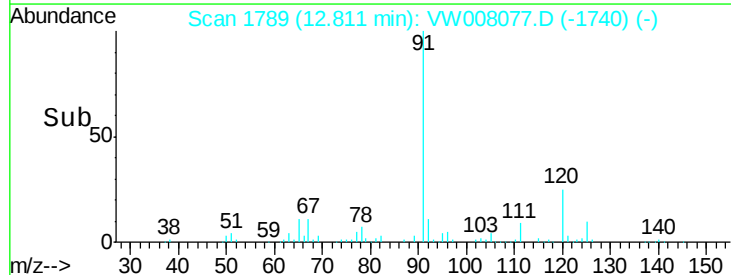
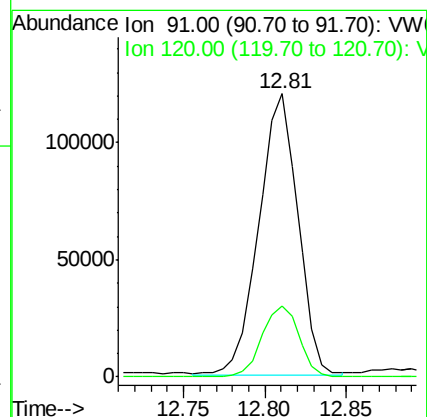
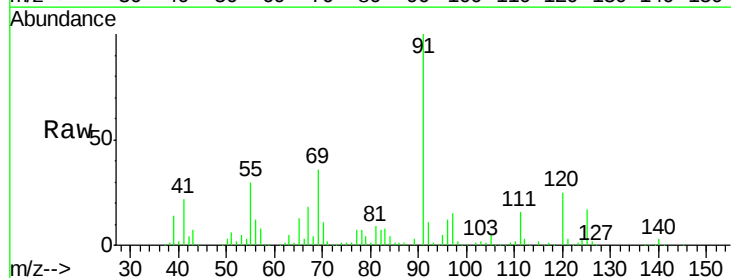
Acq: 07 Jan 2019 18:35

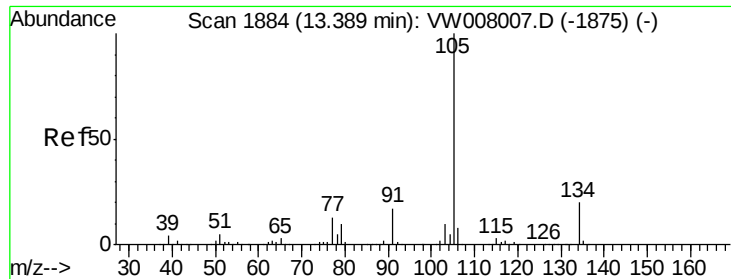
Tgt Ion: 91 Resp: 200218

Ion Ratio Lower Upper

91 100

120 24.0 11.5 34.5





#85

sec-Butylbenzene

Concen: 58.703 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008077.D

Acq: 07 Jan 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

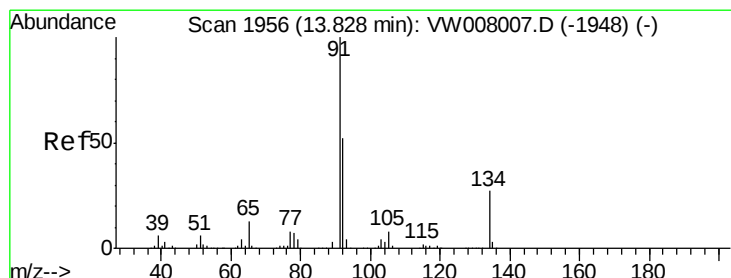
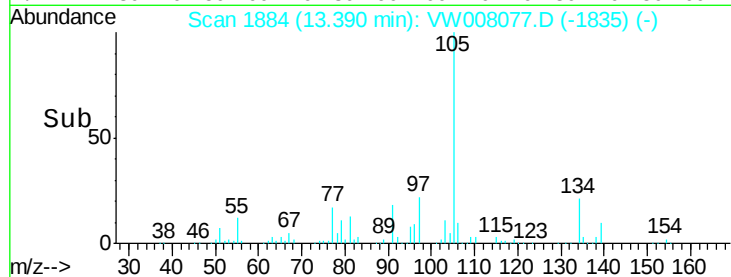
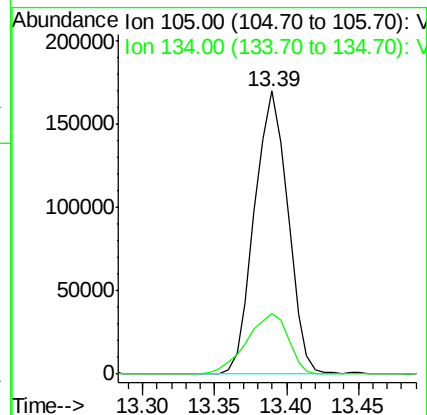
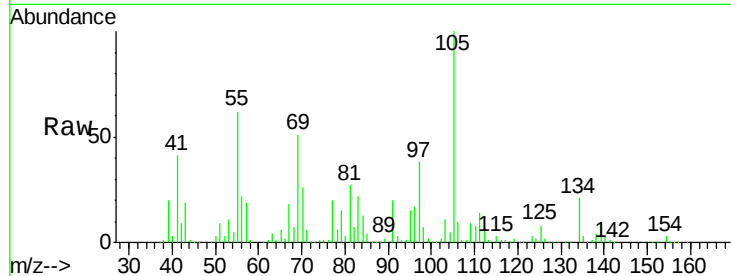
CPSB-15(20-25)

Tot Ion:105 Resp: 270806

Ion Ratio Lower Upper

105 100

134 27.0 9.7 28.9



#89

n-Butylbenzene

Concen: 44.239 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008077.D

Acq: 07 Jan 2019 18:35

Tgt Ion: 91 Resp: 168376

Ion Ratio Lower Upper

91 100

92 48.6 26.4 79.2

134 39.7 13.4 40.2

