

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102918\
 Data File : VW006430.D
 Acq On : 27 Oct 2018 04:24
 Operator : SY/AP
 Sample : J5515-14
 Misc : 6.81G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC2-01B

Manual Integrations
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 10/29/2018 10:03:57 AM

Quant Time: Oct 27 05:42:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	292595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	475790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	428143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	213511	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	127606	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
35) Dibromofluoromethane	7.88	113	128816	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
50) Toluene-d8	10.33	98	578188	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
62) 4-Bromofluorobenzene	12.62	95	215355	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.93	56	994258	223.991	ug/l #	59
39) Methylcyclohexane	9.34	83	1652321	283.443	ug/l	91
40) Benzene	8.32	78	1955190	162.531	ug/l	99
42) 1,2-Dichloroethane	8.40	62	45595	12.901	ug/l #	75
52) Toluene	10.40	92	16547620	2051.793	ug/l #	65
67) Ethyl Benzene	11.74	91	10615352	668.316	ug/l	93
68) m/p-Xylenes	11.84	106	14312598	2279.769	ug/l #	65
69) o-Xylene	12.17	106	5915555	988.694	ug/l	89
73) Isopropylbenzene	12.47	105	1356026	89.899	ug/l	100
78) n-propylbenzene	12.81	91	6351016	361.905	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	7901162	621.352	ug/l	92
84) 1,2,4-Trimethylbenzene	13.25	105	18399704	1429.938	ug/l	73
85) sec-Butylbenzene	13.39	105	474618m	29.529	ug/l	
86) p-Isopropyltoluene	13.51	119	235314m	16.186	ug/l	
89) n-Butylbenzene	13.83	91	875145	65.823	ug/l #	64
95) Naphthalene	15.38	128	3586434	427.217	ug/l	99

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

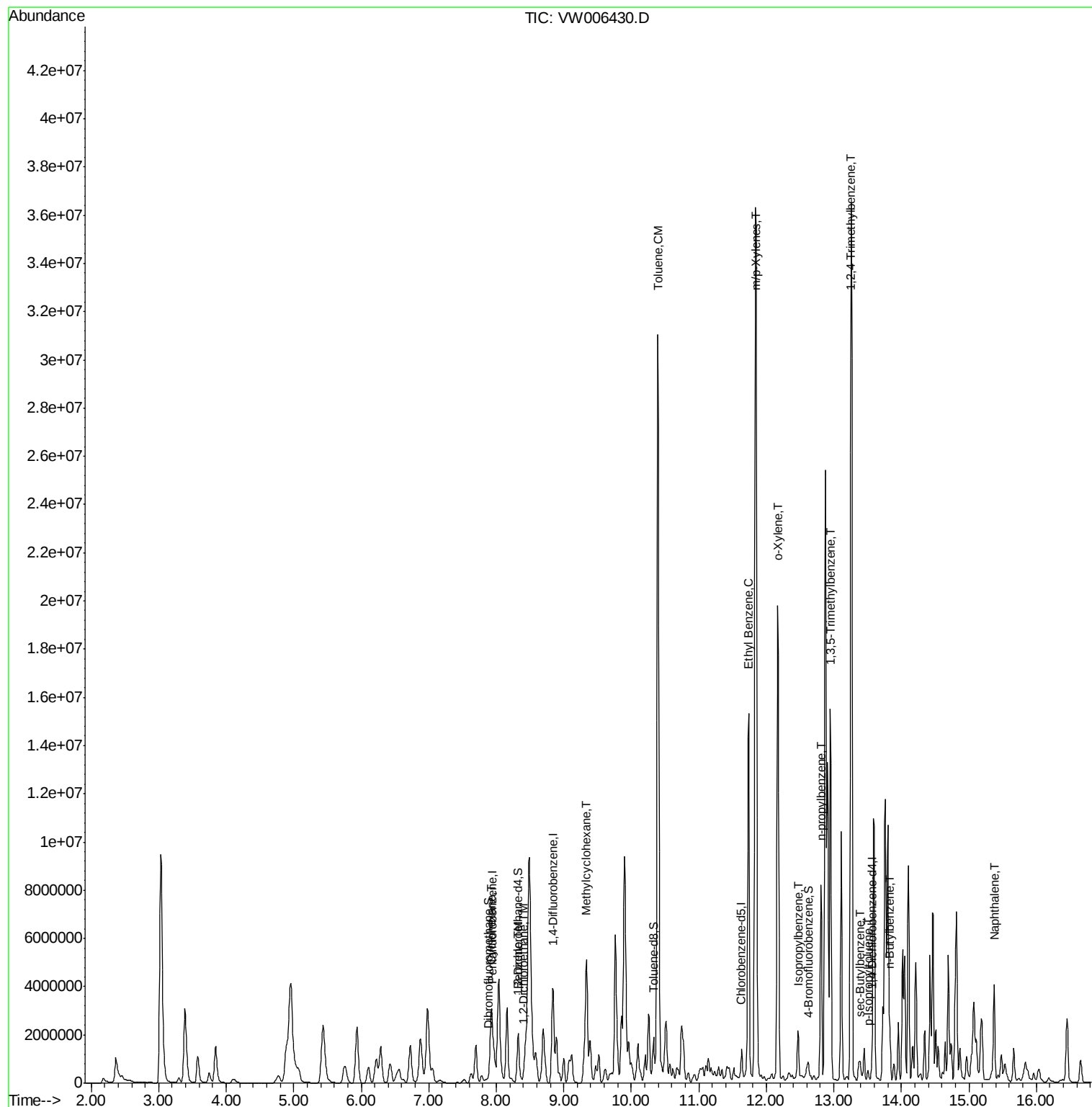
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102918\
Data File : VW006430.D
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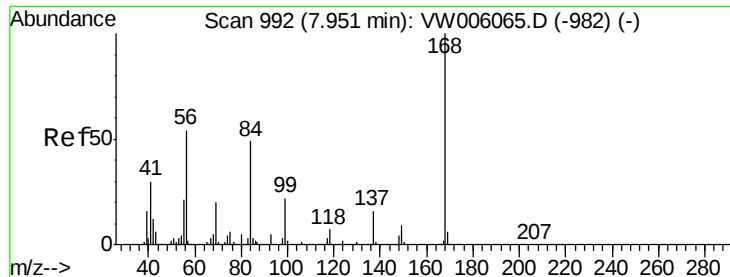
Instrument :
MSVOA_W
ClientSampleId :
AOC2-01B

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Quant Time: Oct 27 05:42:38 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
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: VW006430.D

Acq: 27 Oct 2018 04:24

Instrument :

MSVOA_W

ClientSampleId :

AOC2-01B

Tot Ion:168 Resp: 292595

Ion Ratio Lower Upper

168 100

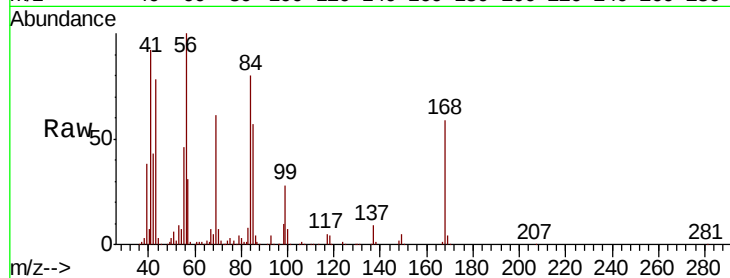
99 48.4 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

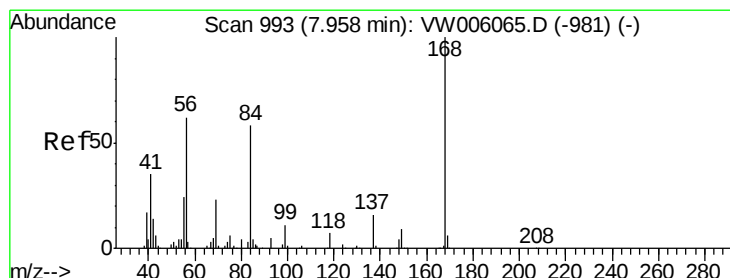
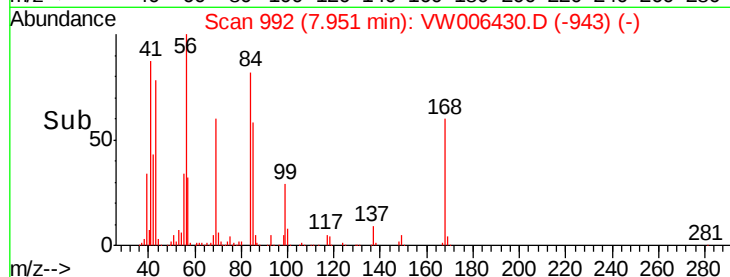
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#31

Cyclohexane

Concen: 223.991 ug/l

RT: 7.93 min Scan# 989

Delta R.T. -0.02 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

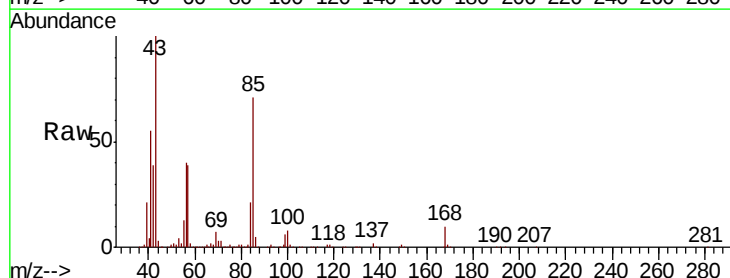
Tgt Ion: 56 Resp: 994258

Ion Ratio Lower Upper

56 100

69 12.5 29.4 44.0#

84 52.9 74.0 111.0#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

1200000

1000000

800000

600000

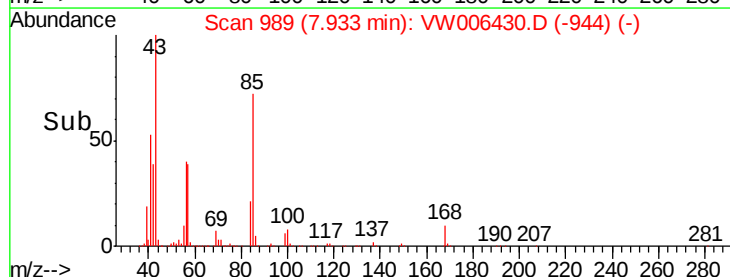
400000

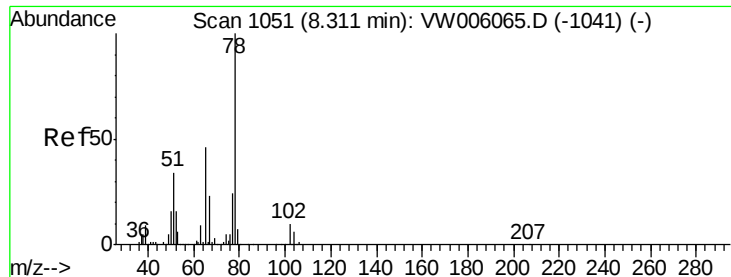
200000

0

7.85 7.90 7.95 8.00

Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.604 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

Instrument :

MSVOA_W

ClientSampleId :

AOC2-01B

Tot Ion: 65 Resp: 127606

Ion Ratio Lower Upper

65 100

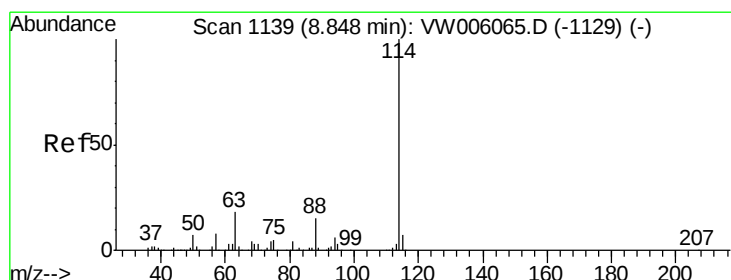
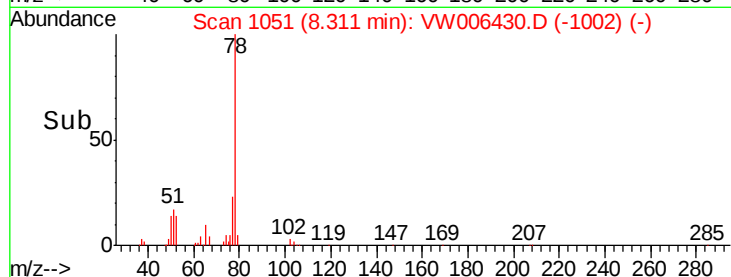
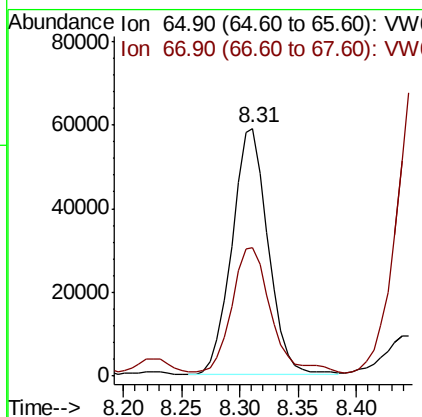
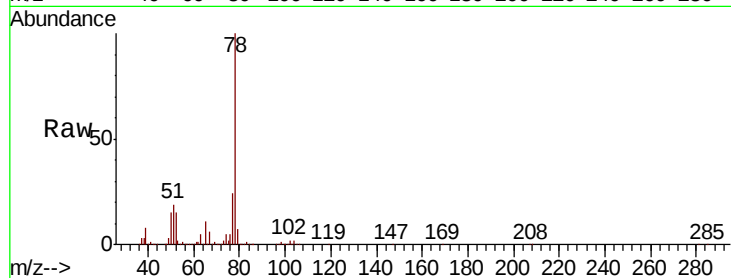
67 54.3 0.0 101.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

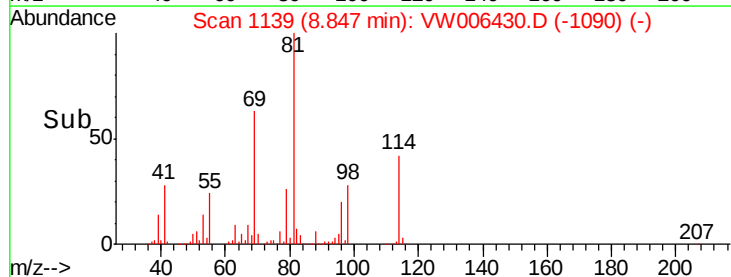
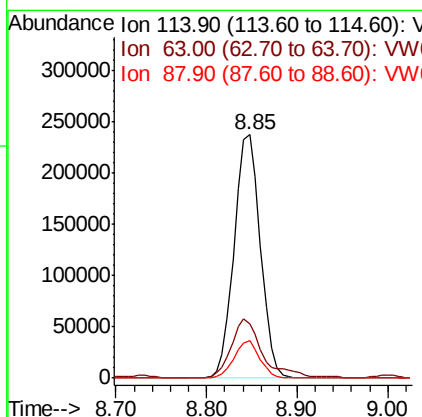
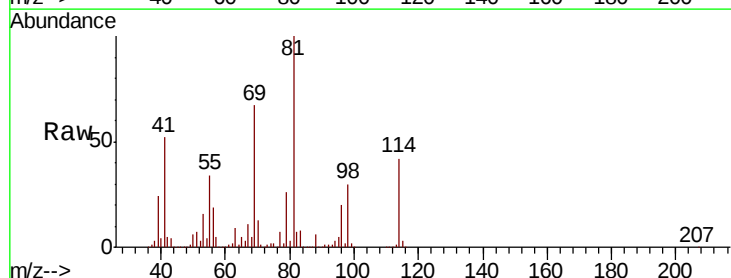
Tgt Ion: 114 Resp: 475790

Ion Ratio Lower Upper

114 100

63 22.2 0.0 36.8

88 15.3 0.0 29.0





#35

Dibromofluoromethane

Concen: 45.819 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

Instrument :

MSVOA_W

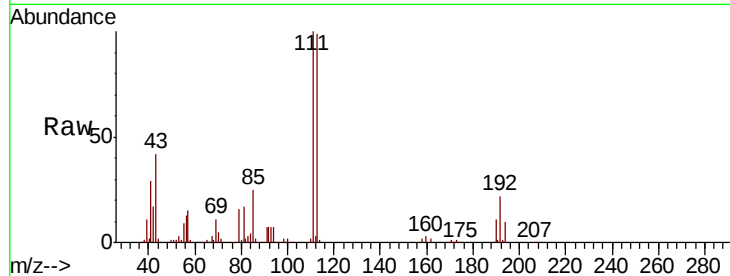
ClientSampleId :

AOC2-01B

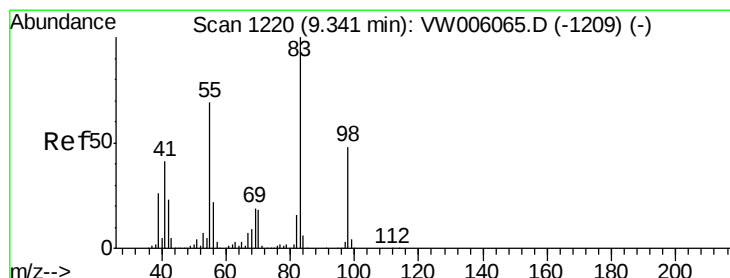
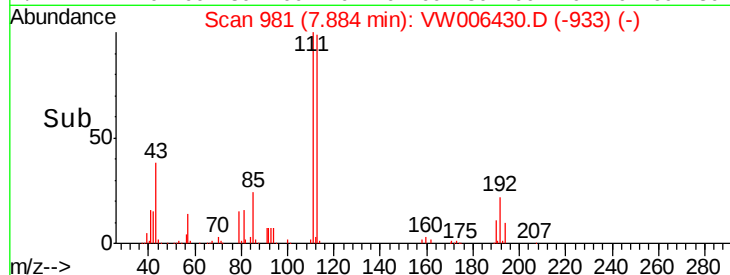
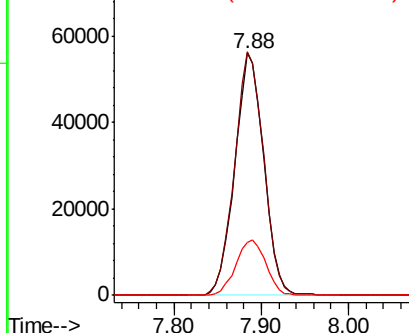
Tot Ion:	113	Resp:	128816
Ion Ratio	Lower	Upper	
113	100		
111	101.4	81.4	122.0
192	23.7	18.7	28.1

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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: 283.443 ug/l

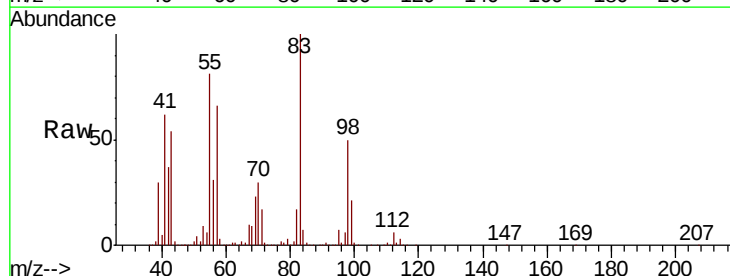
RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

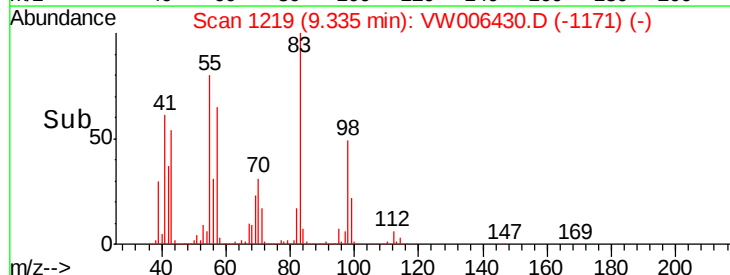
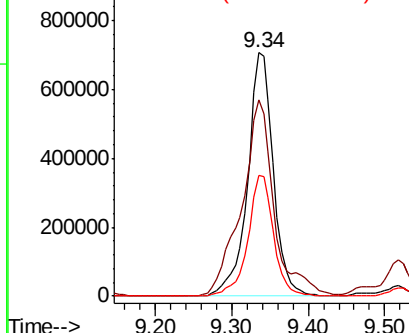
Lab File: VW006430.D

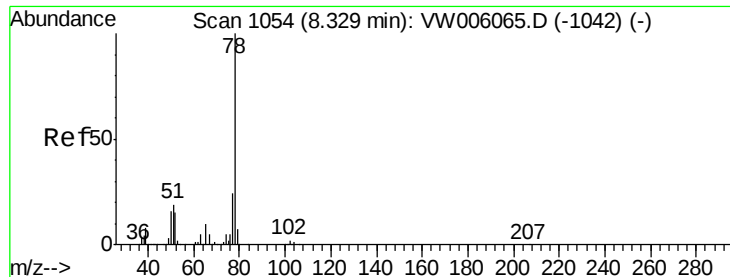
Acq: 27 Oct 2018 04:24

Tgt Ion:	83	Resp:	1652321
Ion Ratio	Lower	Upper	
83	100		
55	80.8	55.0	82.6
98	49.6	38.6	57.8



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





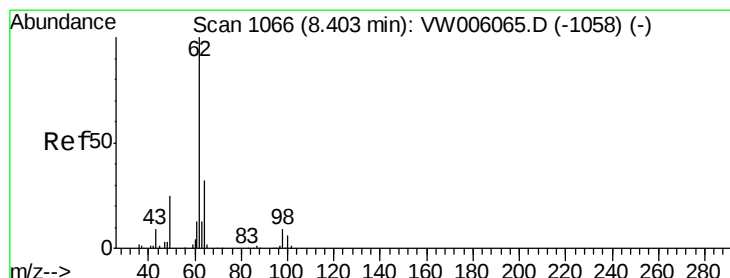
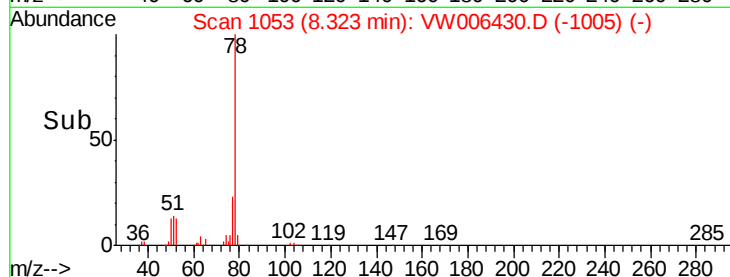
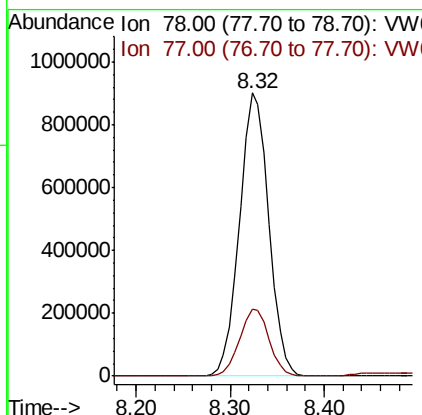
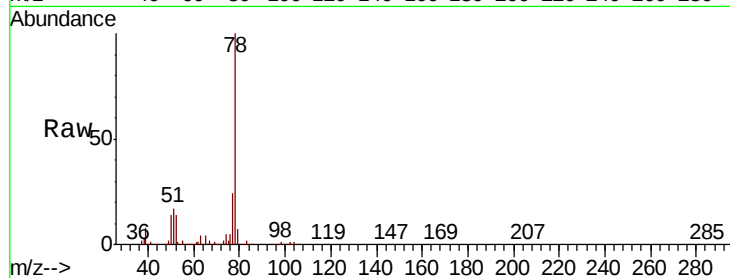
#40
Benzene
Concen: 162.531 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

Instrument :
MSVOA_W
ClientSampleId :
AOC2-01B

Tot Ion: 78 Resp: 1955190
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.0

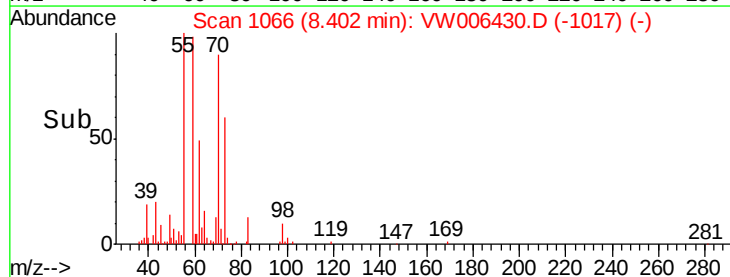
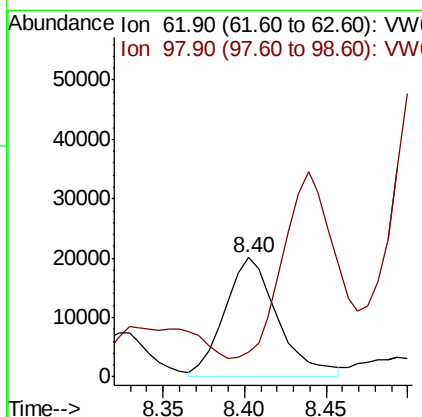
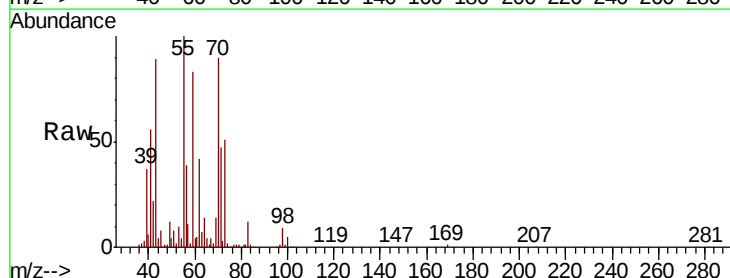
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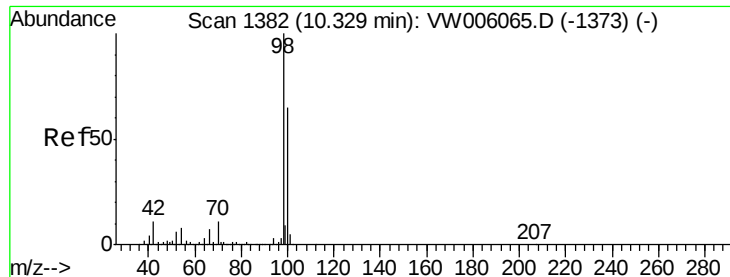
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#42
1,2-Dichloroethane
Concen: 12.901 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

Tgt Ion: 62 Resp: 45595
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.4





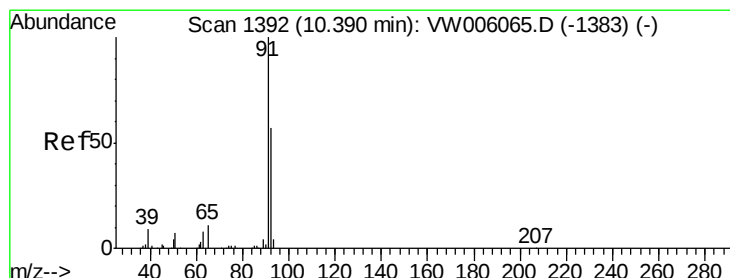
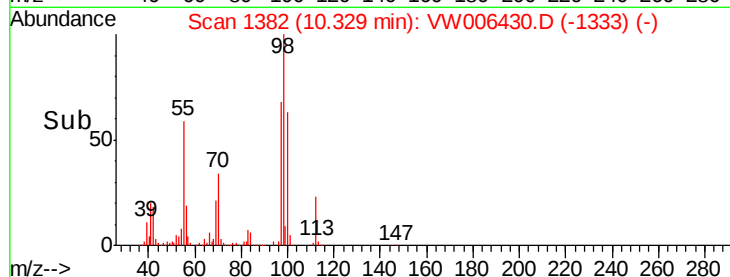
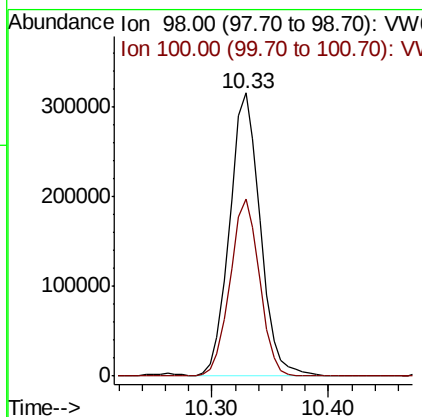
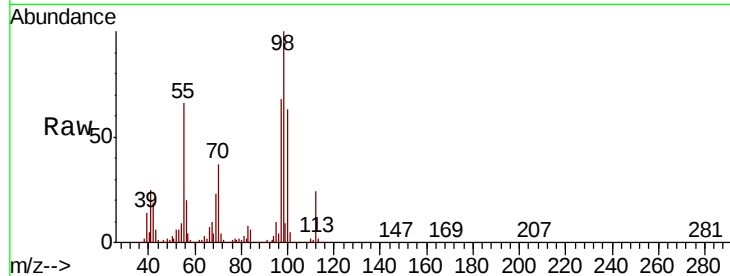
#50
Toluene-d8
Concen: 54.056 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

Instrument :
MSVOA_W
ClientSampleId :
AOC2-01B

Tot Ion: 98 Resp: 578188
Ion Ratio Lower Upper
98 100
100 59.8 51.6 77.4

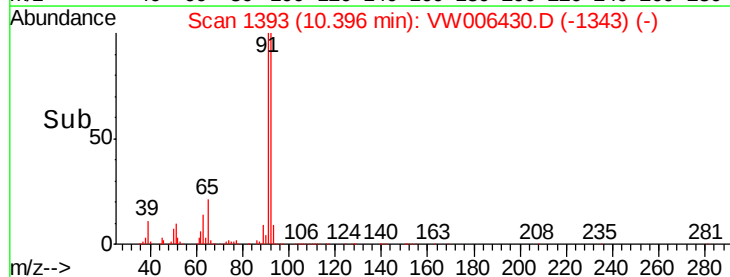
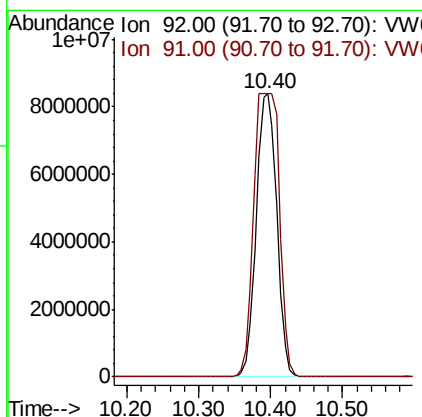
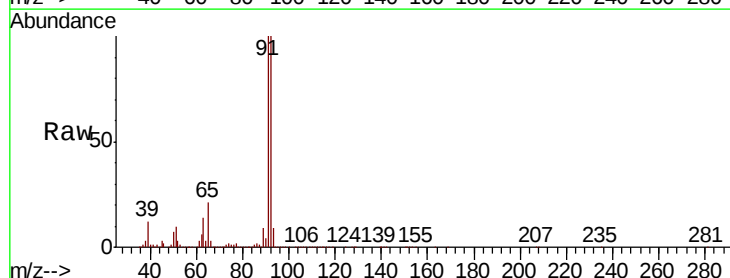
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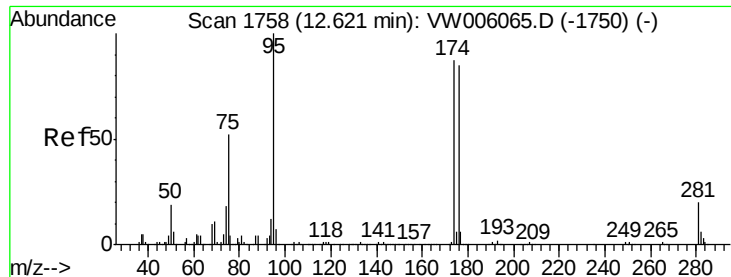
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#52
Toluene
Concen: 2051.793 ug/l
RT: 10.40 min Scan# 1393
Delta R.T. 0.01 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

Tgt Ion: 92 Resp: 16547620
Ion Ratio Lower Upper
92 100
91 126.0 140.0 210.0#





#62

4-Bromofluorobenzene

Concen: 53.607 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

Instrument :

MSVOA_W

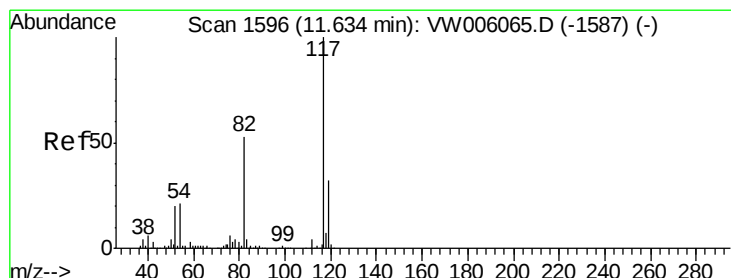
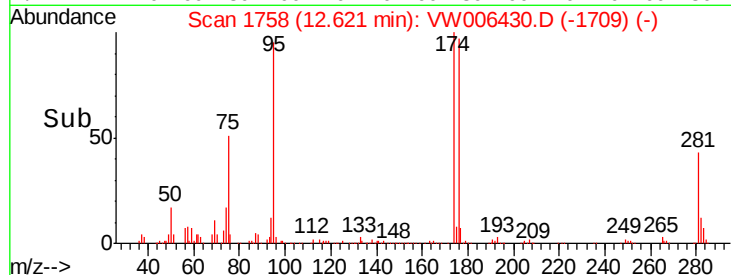
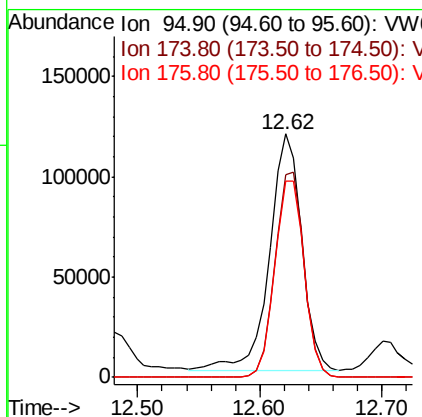
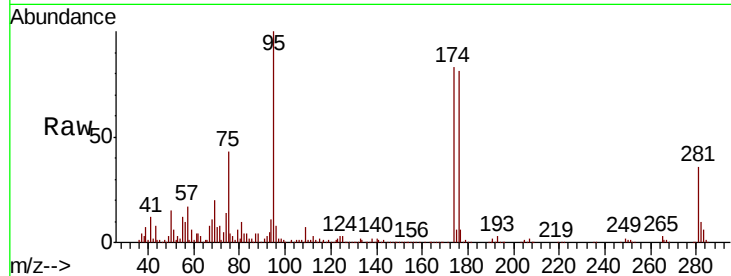
ClientSampled :

AOC2-01B

Tot Ion:	95	Resp:	215355
Ion Ratio	Lower	Upper	
95	100		
174	78.5	0.0	186.0
176	76.1	0.0	181.6

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

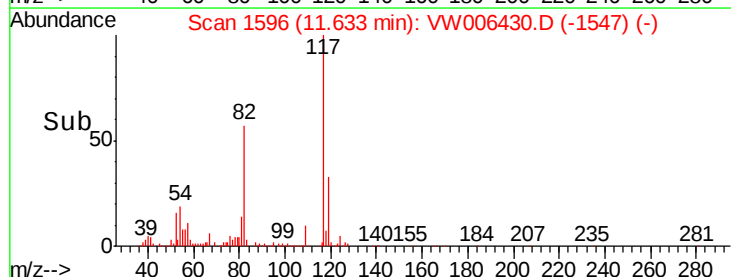
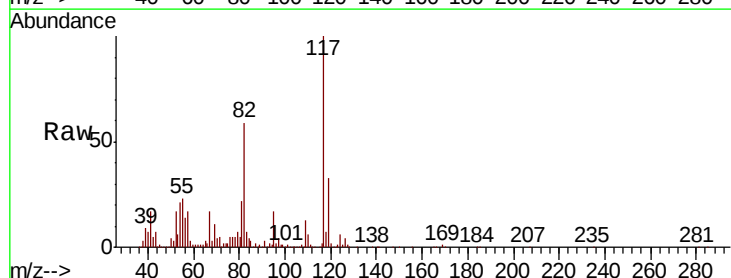
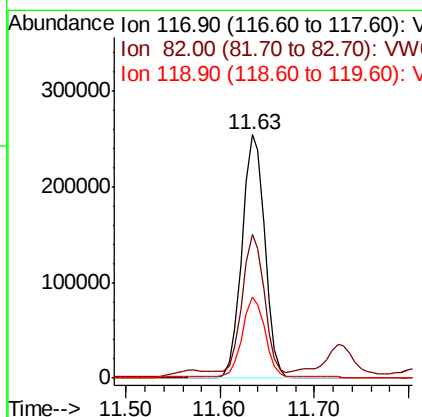
RT: 11.63 min Scan# 1596

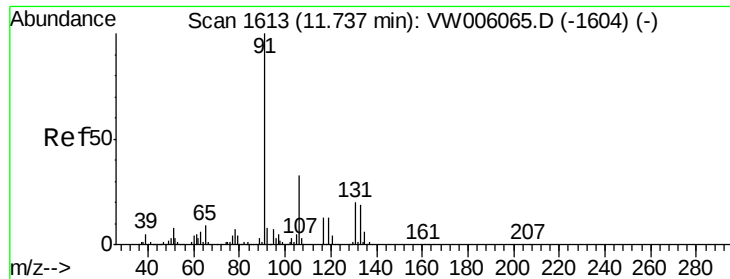
Delta R.T. -0.00 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

Tgt Ion:	117	Resp:	428143
Ion Ratio	Lower	Upper	
117	100		
82	56.0	42.1	63.1
119	32.9	25.8	38.6





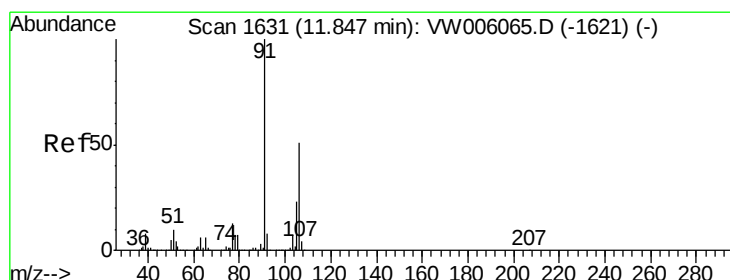
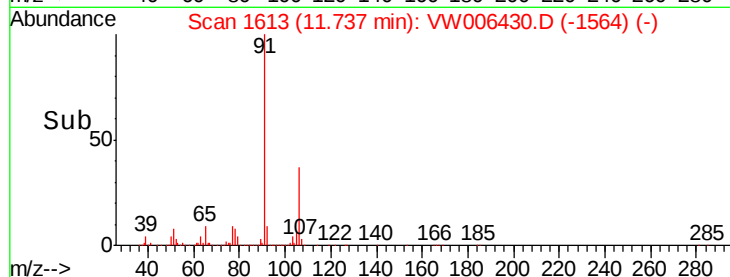
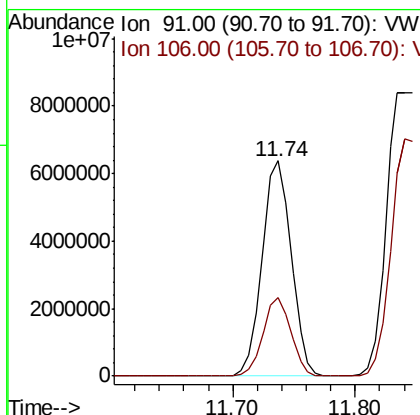
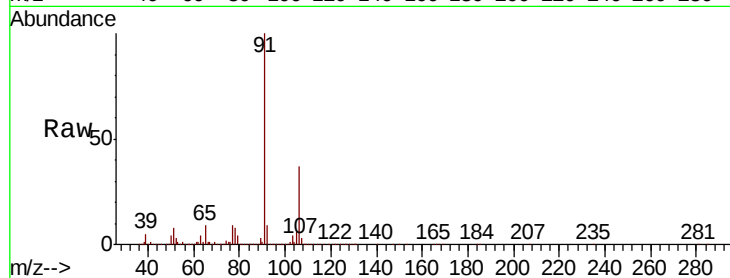
#67
Ethyl Benzene
Concen: 668.316 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

Instrument :
MSVOA_W
ClientSampleId :
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Tot Ion: 91 Resp:10615352
Ion Ratio Lower Upper
91 100
106 36.5 26.1 39.1

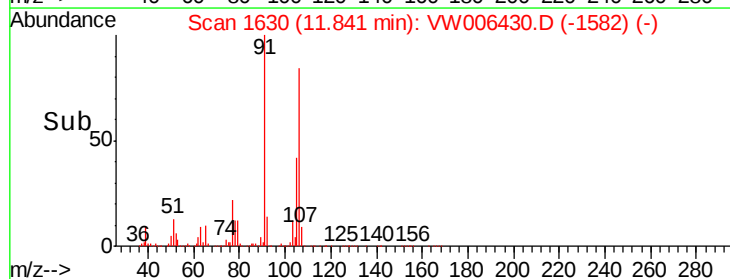
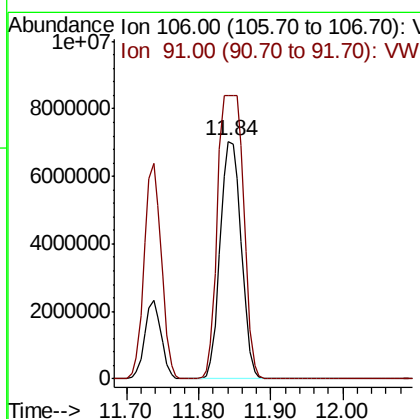
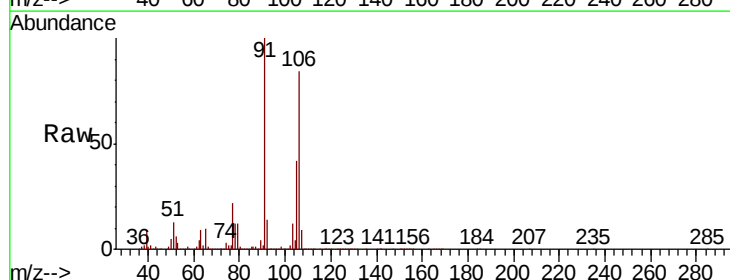
Manual Integrations
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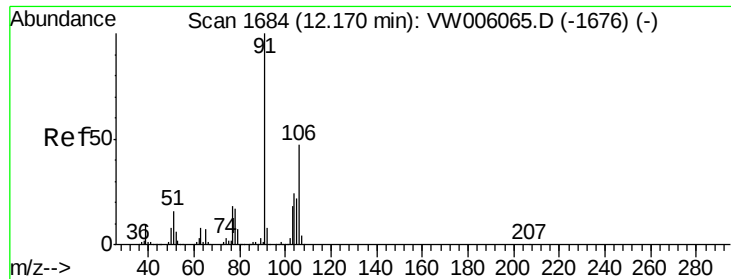
apatel
10/29/2018 10:03:57 AM



#68
m/p-Xylenes
Concen: 2279.769 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

Tgt Ion:106 Resp:14312598
Ion Ratio Lower Upper
106 100
91 146.8 159.1 238.7#





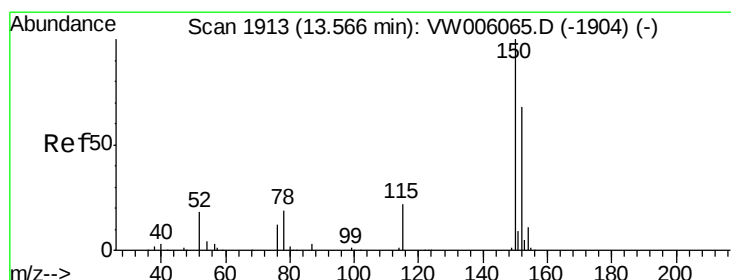
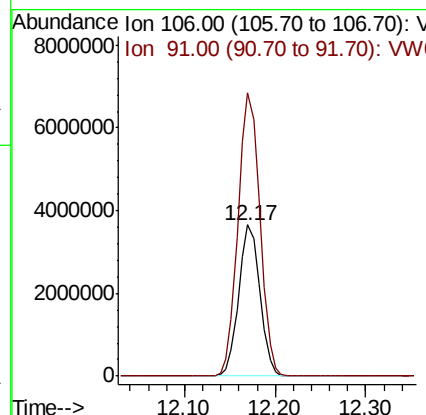
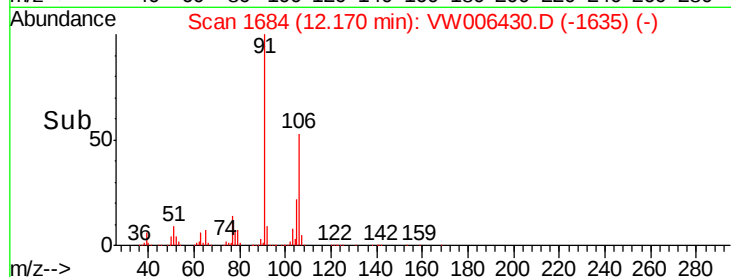
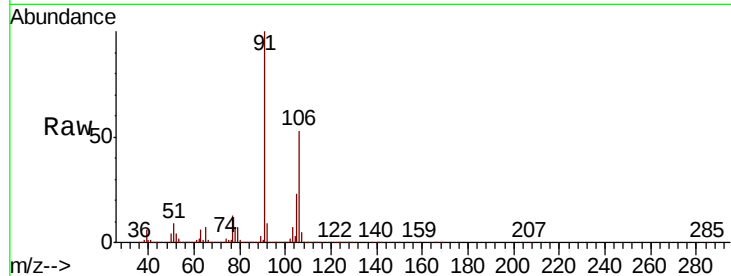
#69
o-Xylene
Concen: 988.694 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

Instrument :
MSVOA_W
ClientSampleId :
AOC2-01B

Tot Ion:106 Resp: 591555
Ion Ratio Lower Upper
106 100
91 194.0 105.4 316.1

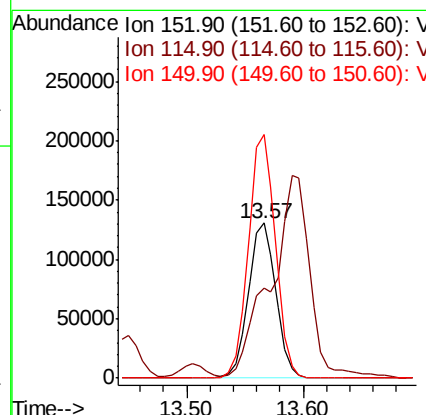
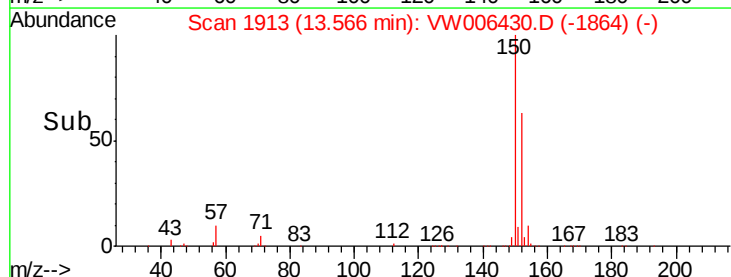
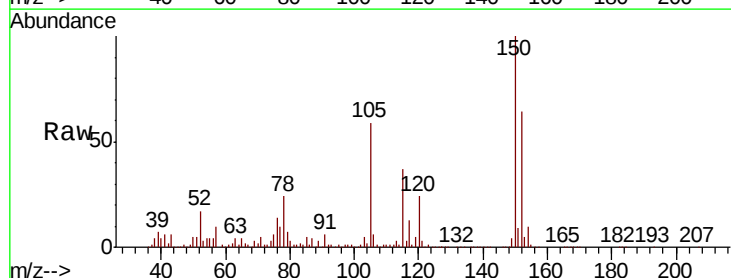
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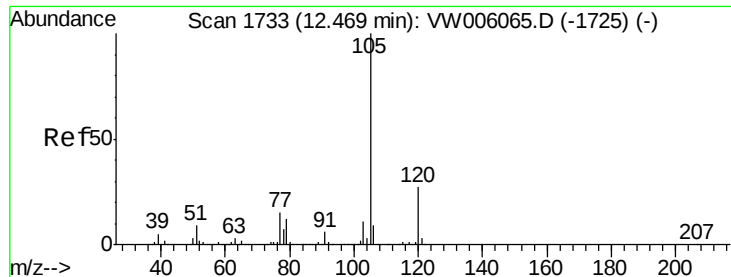
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

Tgt Ion:152 Resp: 213511
Ion Ratio Lower Upper
152 100
115 0.0 27.8 83.3#
150 155.1 0.0 349.2





#73

Isopropylbenzene

Concen: 89.899 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

Instrument :

MSVOA_W

ClientSampleId :

AOC2-01B

Tot Ion: 105 Resp: 1356026

Ion Ratio Lower Upper

105 100

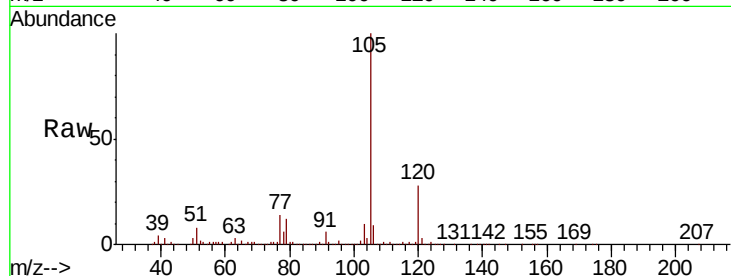
120 27.3 13.6 40.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

800000

600000

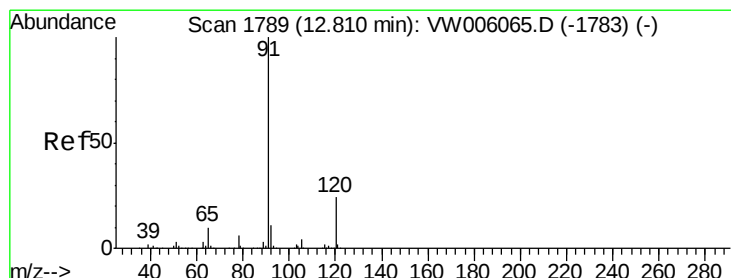
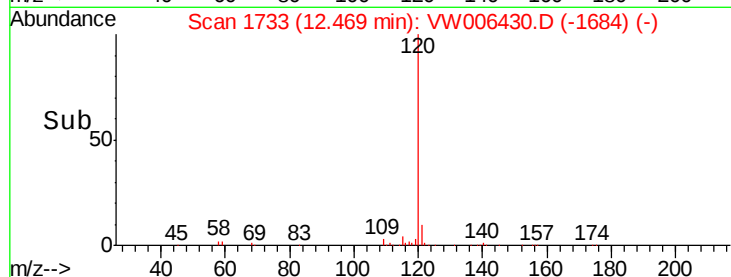
400000

200000

0

Time-->

12.40 12.50 12.60



#78

n-propylbenzene

Concen: 361.905 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006430.D

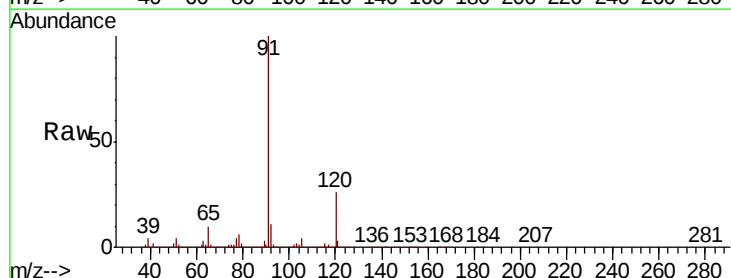
Acq: 27 Oct 2018 04:24

Tgt Ion: 91 Resp: 6351016

Ion Ratio Lower Upper

91 100

120 25.6 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

12.81

4000000

3000000

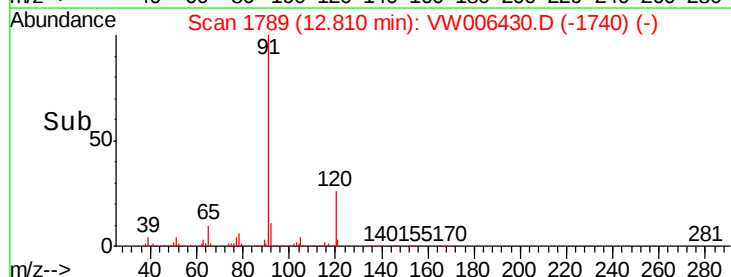
2000000

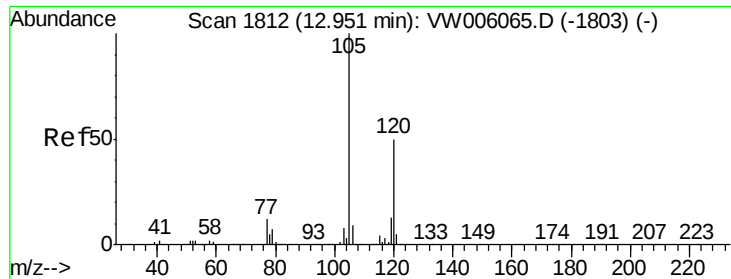
1000000

0

Time-->

12.75 12.80 12.85





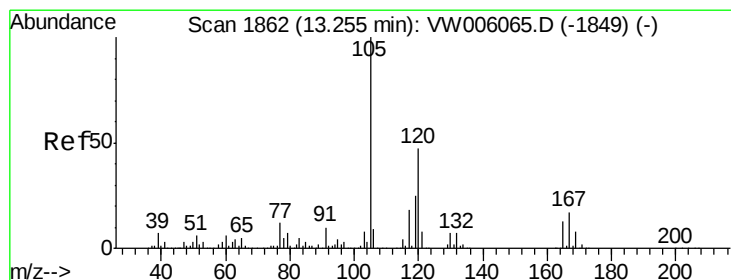
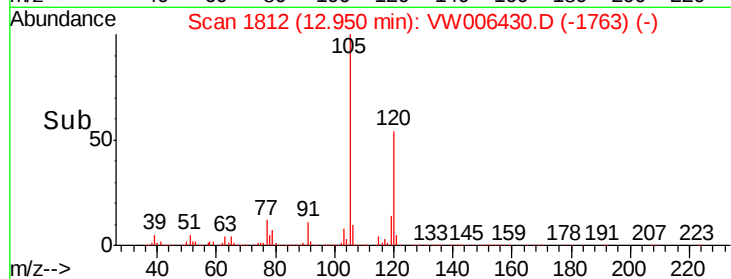
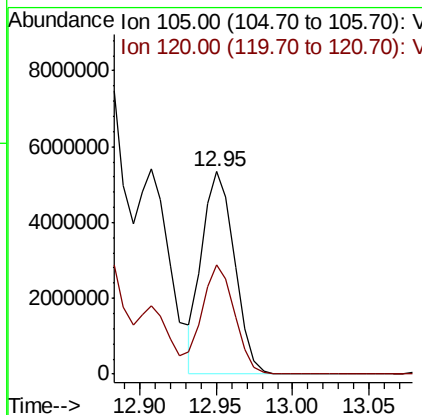
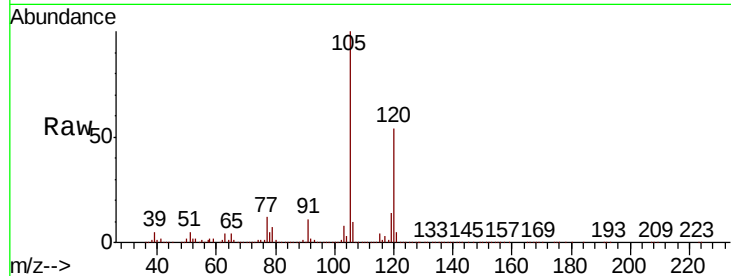
#80
 1,3,5-Trimethylbenzene
 Concen: 621.352 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW006430.D
 Acq: 27 Oct 2018 04:24

Instrument :
 MSVOA_W
 ClientSampled :
 AOC2-01B

Tot Ion:105 Resp: 7901162
 Ion Ratio Lower Upper
 105 100
 120 55.4 24.9 74.6

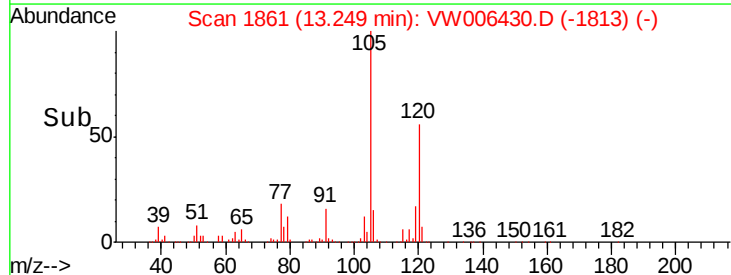
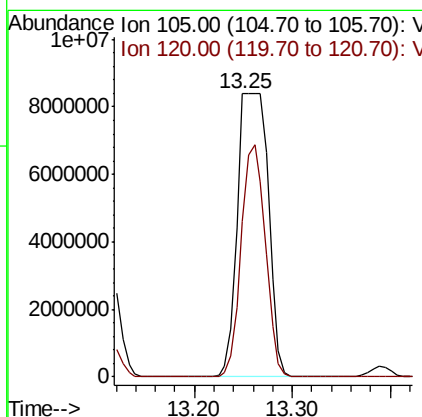
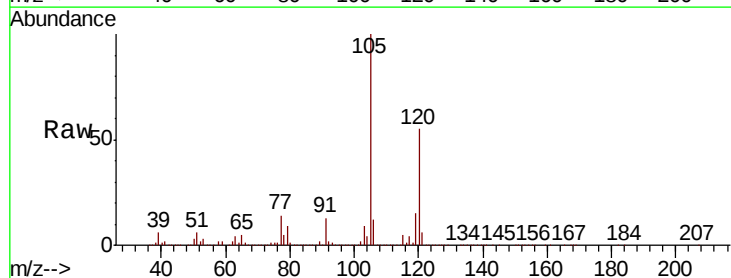
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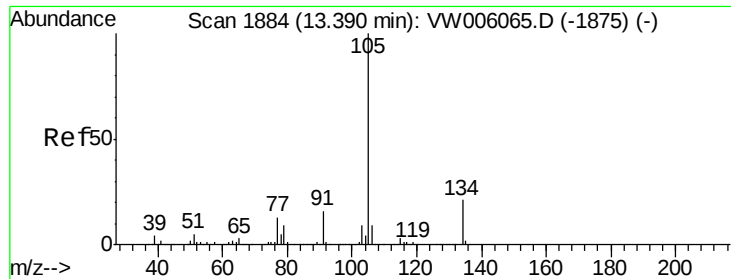
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#84
 1,2,4-Trimethylbenzene
 Concen: 1429.938 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW006430.D
 Acq: 27 Oct 2018 04:24

Tgt Ion:105 Resp:18399704
 Ion Ratio Lower Upper
 105 100
 120 64.2 23.1 69.3





#85

sec-Butylbenzene

Concen: 29.529 ug/l m

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

Instrument :

MSVOA_W

ClientSampleId :

AOC2-01B

Tot Ion:105 Resp: 474618

Ion Ratio Lower Upper

105 100

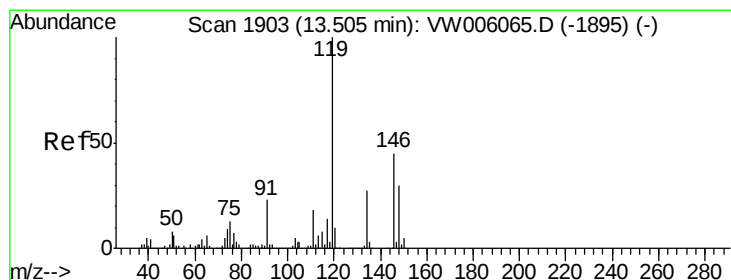
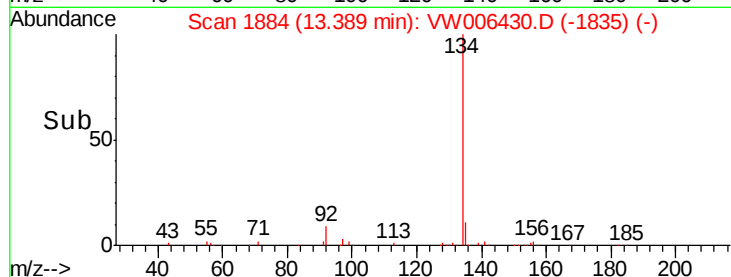
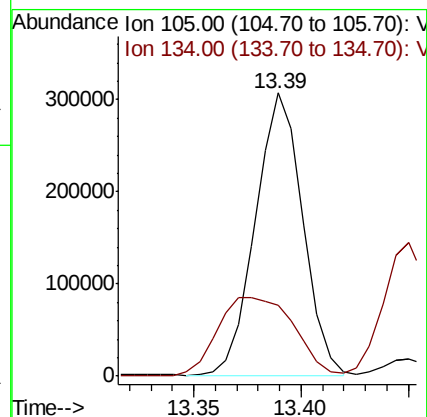
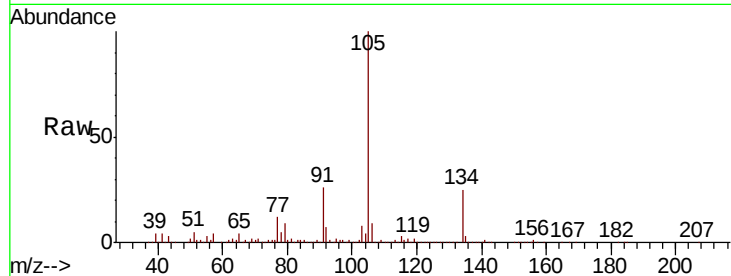
134 0.0 10.5 31.6#

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#86

p-Isopropyltoluene

Concen: 16.186 ug/l m

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006430.D

Acq: 27 Oct 2018 04:24

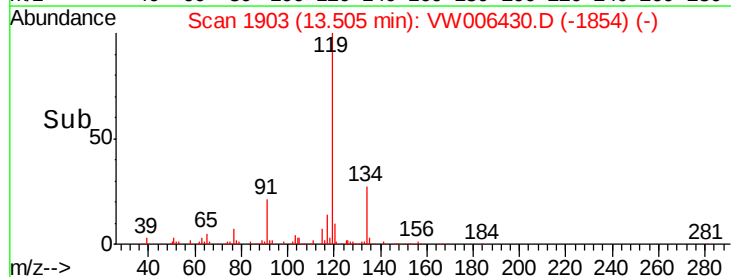
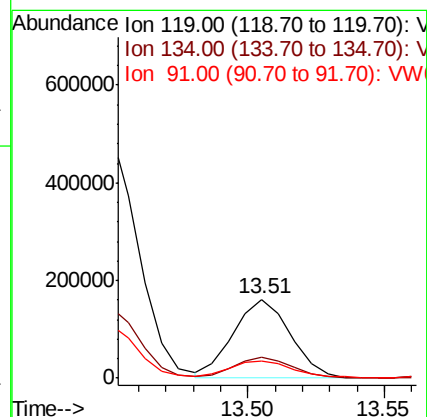
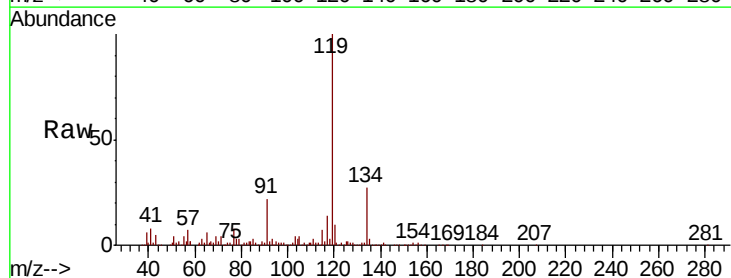
Tgt Ion:119 Resp: 235314

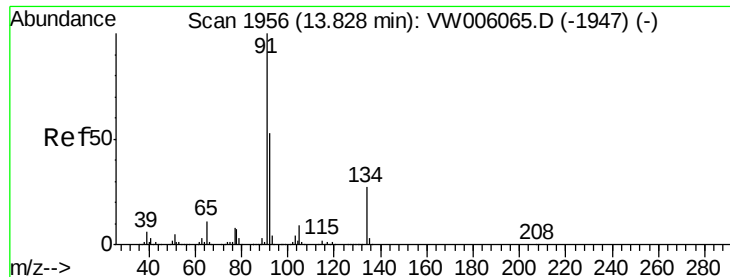
Ion Ratio Lower Upper

119 100

134 93.0 13.4 40.2#

91 67.0 11.4 34.1#





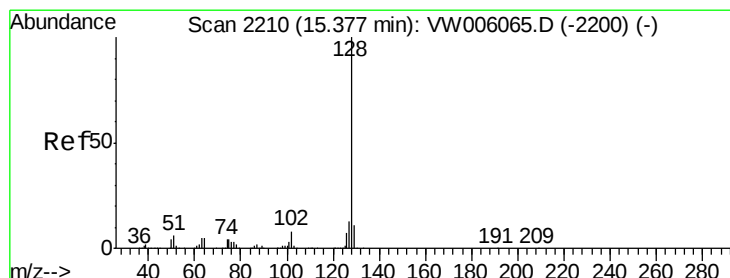
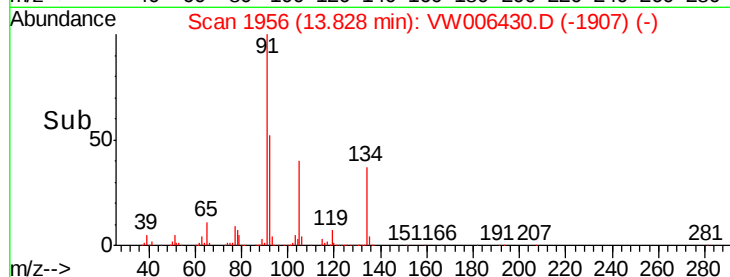
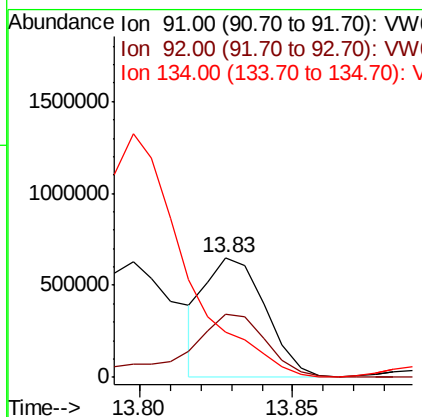
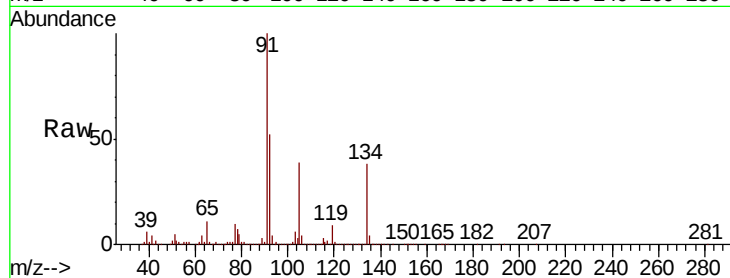
#89
n-Butylbenzene
Concen: 65.823 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

Instrument :
MSVOA_W
ClientSampleId :
AOC2-01B

Tot Ion	Ratio	Lower	Upper
91	100		
92	72.0	26.6	79.7
134	0.0	14.0	41.9#

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#95
Naphthalene
Concen: 427.217 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006430.D
Acq: 27 Oct 2018 04:24

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.7	8.7	13.1

