

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112718\
 Data File : VW007092.D
 Acq On : 27 Nov 2018 17:11
 Operator : VAY/AP
 Sample : J5996-01
 Misc : 6.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC2-01R

Manual Integrations
 APPROVED

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 11/28/2018 12:43:40 PM

Quant Time: Nov 28 01:14:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	41133	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.85	114	84848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	66100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	30091	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.32	65	37327	92.69	ug/l	0.01
Spiked Amount	50.000		Recovery	=	185.38%	
35) Dibromofluoromethane	7.89	113	31713	66.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.36%	
50) Toluene-d8	10.36	98	197406	93.30	ug/l	0.03
Spiked Amount	50.000		Recovery	=	186.60%	
62) 4-Bromofluorobenzene	12.62	95	140149	168.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	336.64%	
Target Compounds						
17) Carbon Disulfide	4.38	76	2893	2.40	ug/l	95
39) Methylcyclohexane	9.35	83	3618886	3487.76	ug/l #	76
40) Benzene	8.33	78	24645230	11011.49	ug/l #	89
52) Toluene	10.40	92	42646677m	27998.86	ug/l	
61) 1,2-Dibromoethane	11.24	107	410265	1103.29	ug/l #	3
65) Chlorobenzene	11.67	112	29019	21.03	ug/l	99
67) Ethyl Benzene	11.74	91	26795891m	10572.81	ug/l	
68) m/p-Xylenes	11.89	106	25867550m	26015.06	ug/l	
69) o-Xylene	12.19	106	16518162	17617.99	ug/l #	1
73) Isopropylbenzene	12.48	105	4516121	1931.09	ug/l	99
78) n-propylbenzene	12.82	91	15847492	5594.30	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	15233650	7532.70	ug/l	93
84) 1,2,4-Trimethylbenzene	13.26	105	27699551m	13747.57	ug/l	
85) sec-Butylbenzene	13.40	105	1012909	409.50	ug/l #	49
86) p-Isopropyltoluene	13.51	119	474273	217.34	ug/l	97
89) n-Butylbenzene	13.83	91	2001413	974.60	ug/l #	77
95) Naphthalene	15.38	128	6869811	6387.37	ug/l	99

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

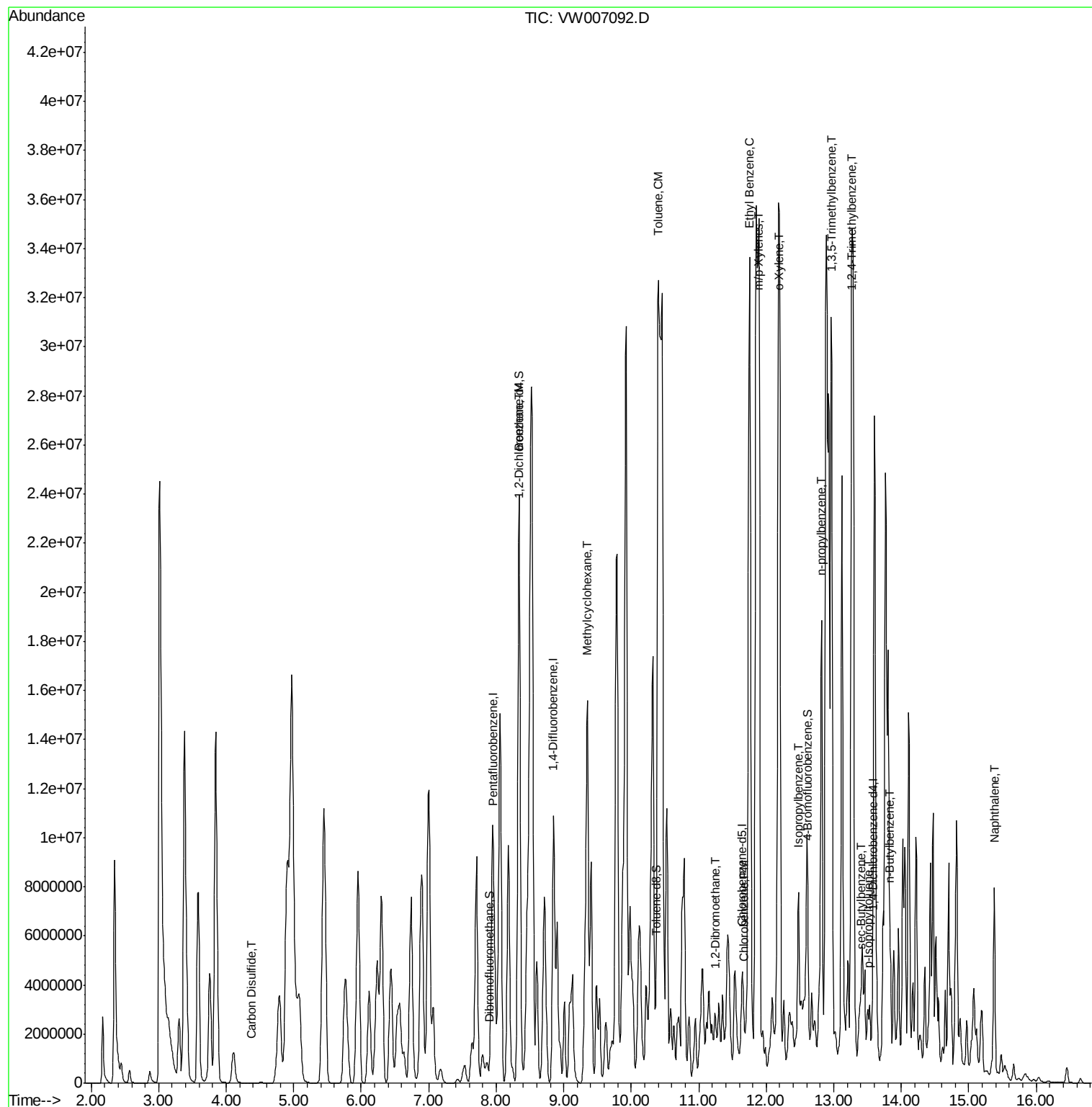
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW112718\
Data File : VW007092.D
Acq On : 27 Nov 2018 17:11
Operator : VAY/AP
Sample : J5996-01
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Manual Integrations
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Quant Time: Nov 28 01:14:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 21 03:23:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW007092.D

Acq: 27 Nov 2018 17:11

Instrument :

MSVOA_W

ClientSampleId :

AOC2-01R

Tgt Ion:168 Resp: 41133

Ion Ratio Lower Upper

168 100

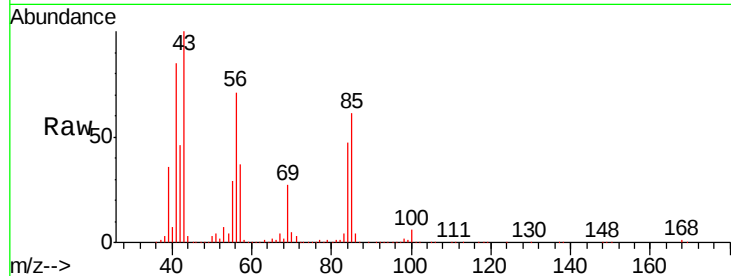
99 87.0 48.2 72.4#

Manual Integrations

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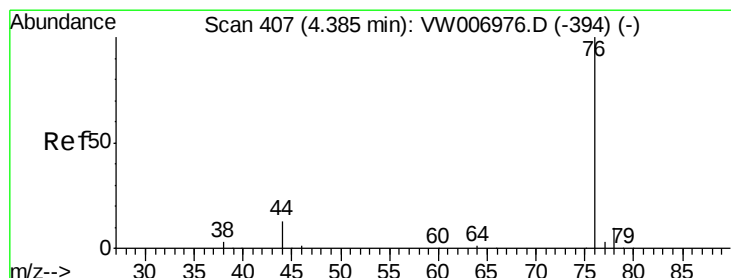
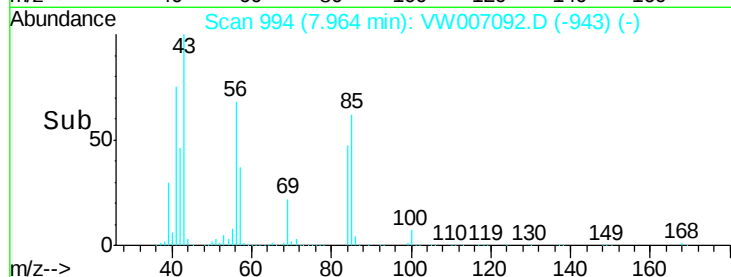
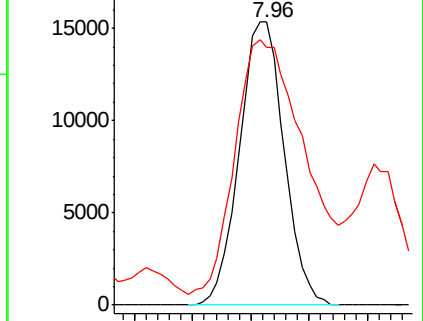
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#17

Carbon Disulfide

Concen: 2.40 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW007092.D

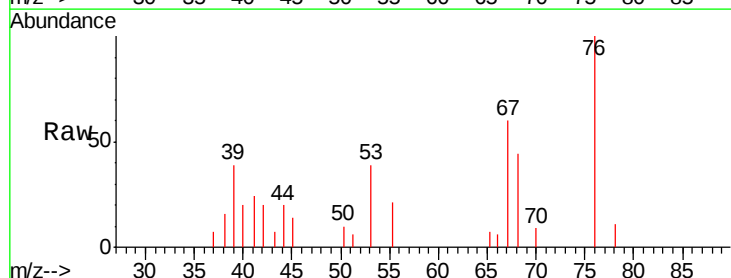
Acq: 27 Nov 2018 17:11

Tgt Ion: 76 Resp: 2893

Ion Ratio Lower Upper

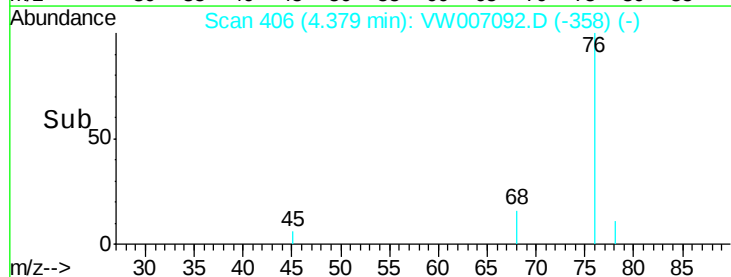
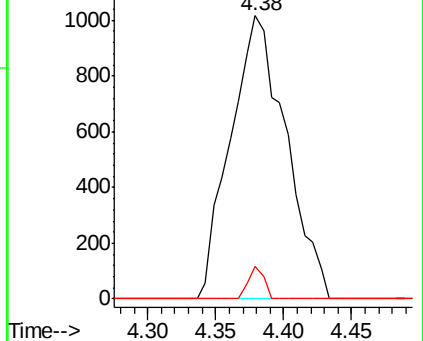
76 100

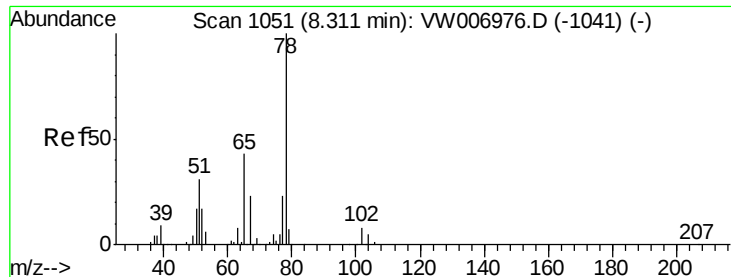
78 11.4 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW





#33

1,2-Dichloroethane-d4

Concen: 92.69 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW007092.D

Acq: 27 Nov 2018 17:11

Instrument :

MSVOA_W

ClientSampled :

AOC2-01R

Tgt Ion: 65 Resp: 37327

Ion Ratio Lower Upper

65 100

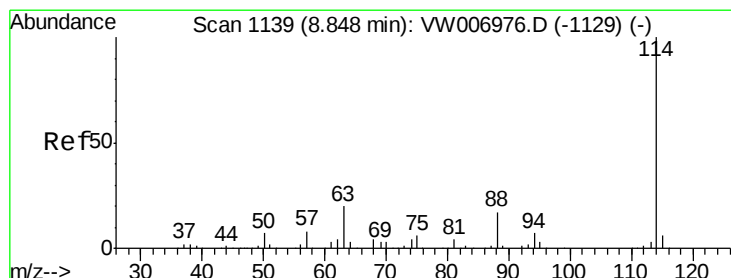
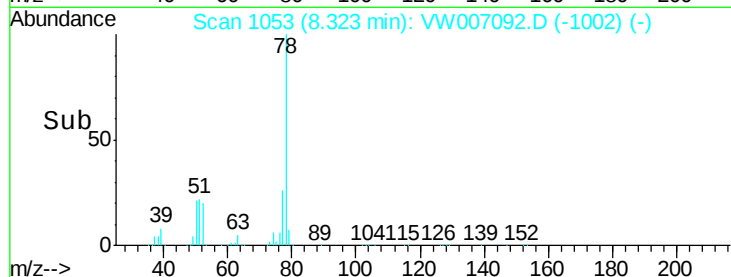
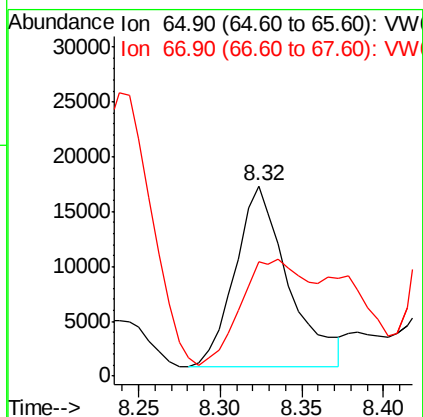
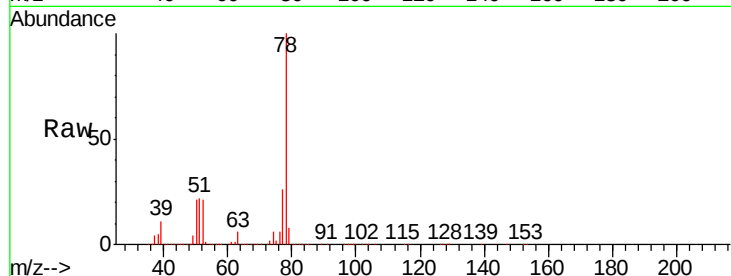
67 0.0 0.0 106.2

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW007092.D

Acq: 27 Nov 2018 17:11

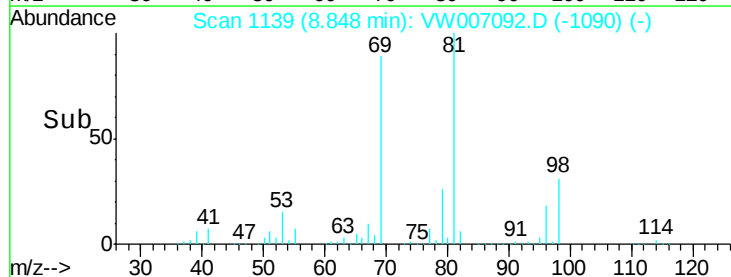
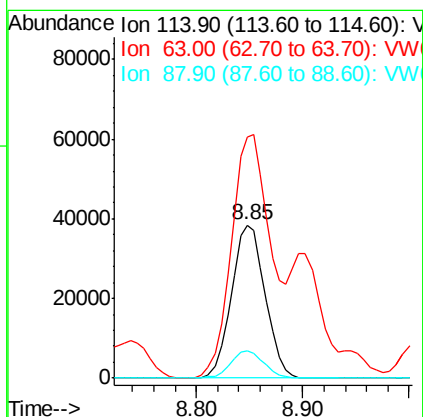
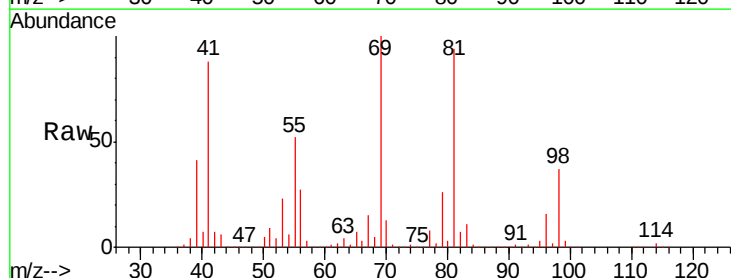
Tgt Ion: 114 Resp: 84848

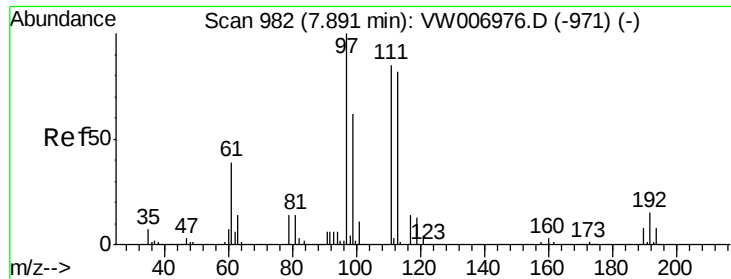
Ion Ratio Lower Upper

114 100

63 157.4 0.0 39.4#

88 17.9 0.0 34.2





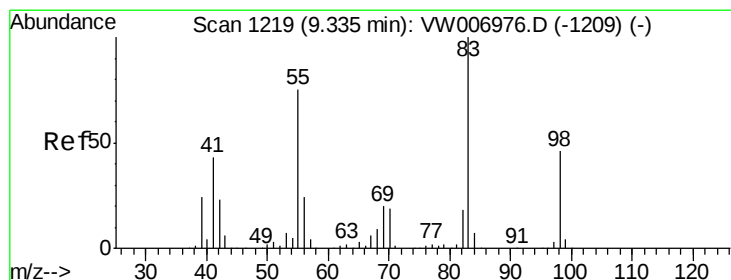
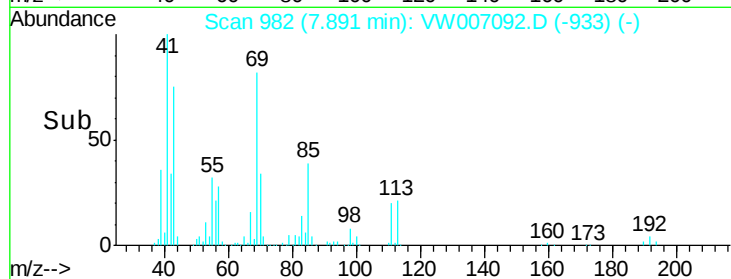
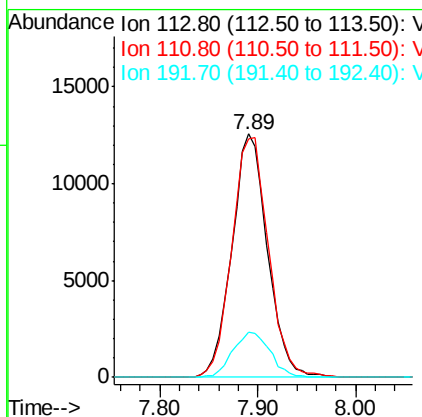
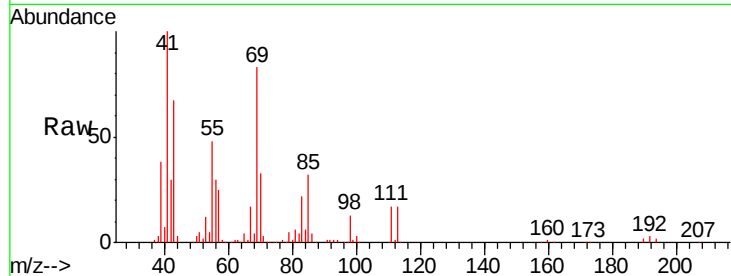
#35
Dibromofluoromethane
Concen: 66.18 ug/l
RT: 7.89 min Scan# 982
Delta R.T. -0.00 min
Lab File: VW007092.D
Acq: 27 Nov 2018 17:11

Instrument :
MSVOA_W
ClientSampled :
AOC2-01R

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	31713		
111	101.7	81.0	121.6	
192	19.3	15.0	22.6	

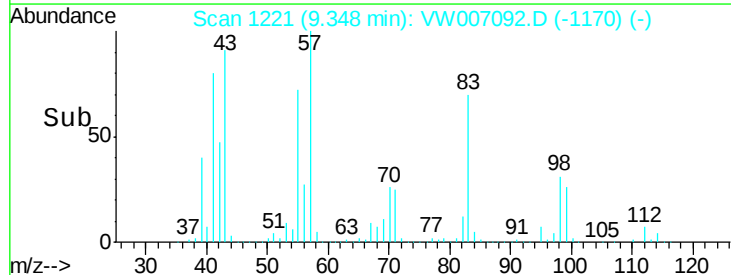
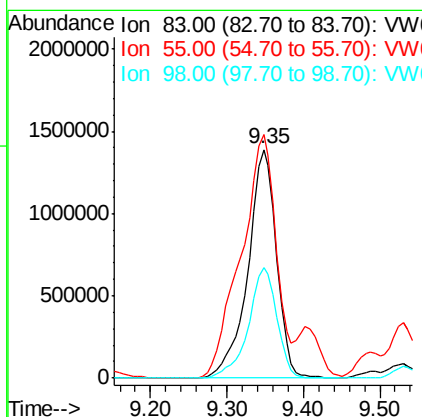
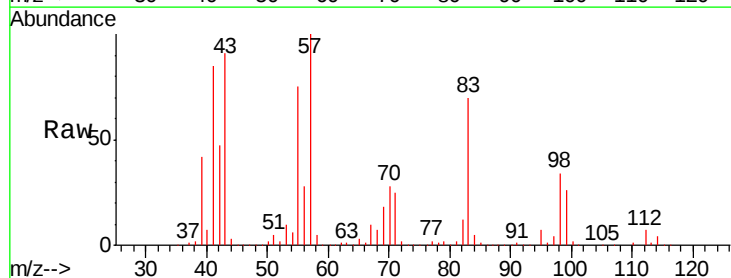
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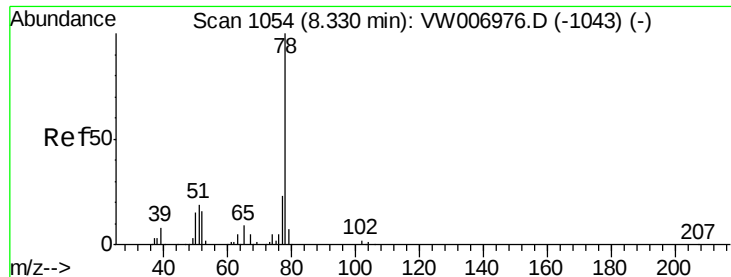
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#39
Methylcyclohexane
Concen: 3487.76 ug/l
RT: 9.35 min Scan# 1221
Delta R.T. 0.01 min
Lab File: VW007092.D
Acq: 27 Nov 2018 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	3618886		
55	106.5	59.6	89.4#	
98	48.3	37.1	55.7	





#40

Benzene

Concen: 11011.49 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW007092.D

Acq: 27 Nov 2018 17:11

Instrument :

MSVOA_W

ClientSampleId :

AOC2-01R

Tgt Ion: 78 Resp: 24645230

Ion Ratio Lower Upper

78 100

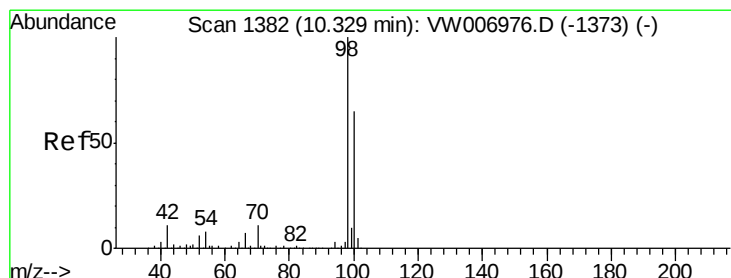
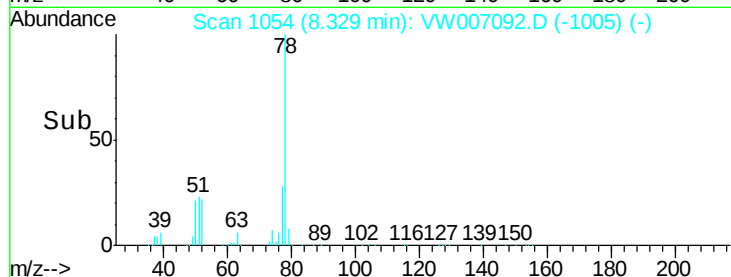
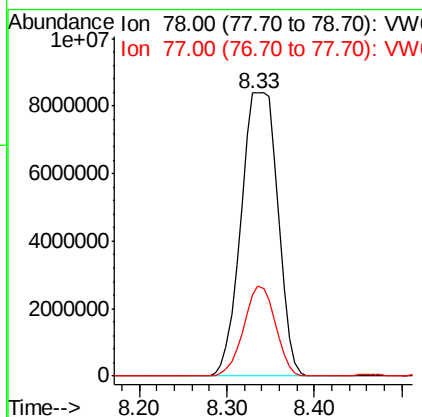
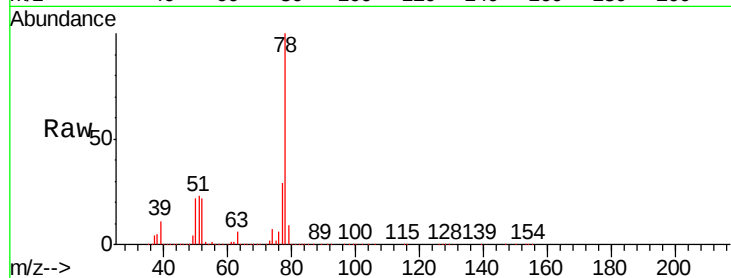
77 28.5 18.6 28.0#

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#50

Toluene-d8

Concen: 93.30 ug/l

RT: 10.36 min Scan# 1387

Delta R.T. 0.03 min

Lab File: VW007092.D

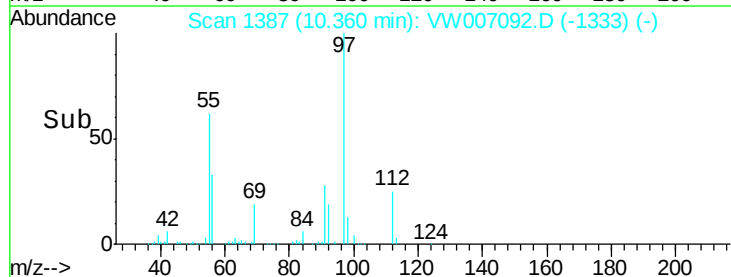
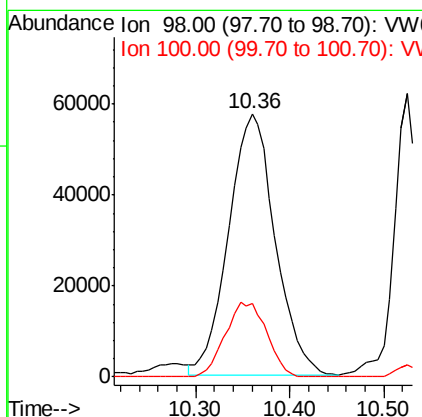
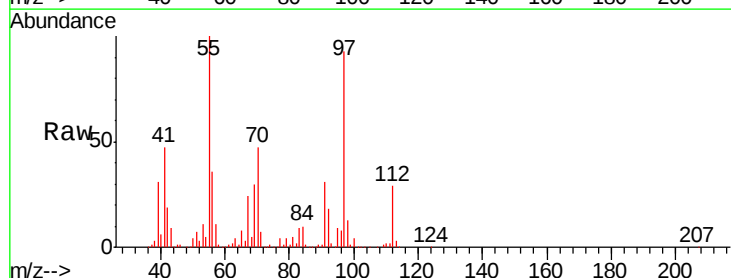
Acq: 27 Nov 2018 17:11

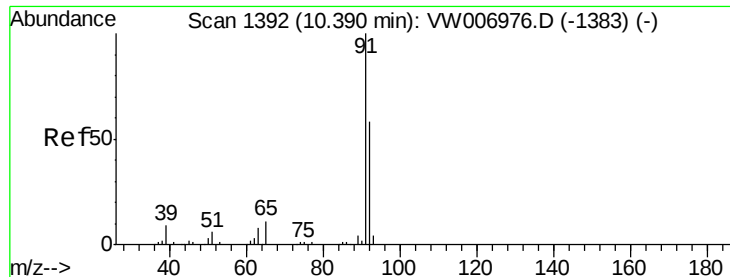
Tgt Ion: 98 Resp: 197406

Ion Ratio Lower Upper

98 100

100 25.5 52.2 78.2#





#52

Toluene

Concen: 27998.86 ug/l m

RT: 10.40 min Scan# 1394

Delta R.T. 0.01 min

Lab File: VW007092.D

Acq: 27 Nov 2018 17:11

Instrument :

MSVOA_W

ClientSampleId :

AOC2-01R

Tgt Ion: 92 Resp: 42646677

Ion Ratio Lower Upper

92 100

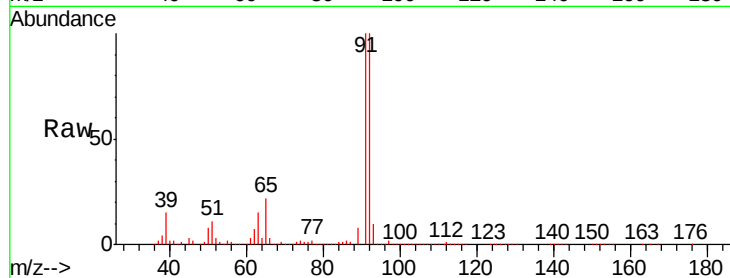
91 0.0 137.3 205.9#

Manual Integrations

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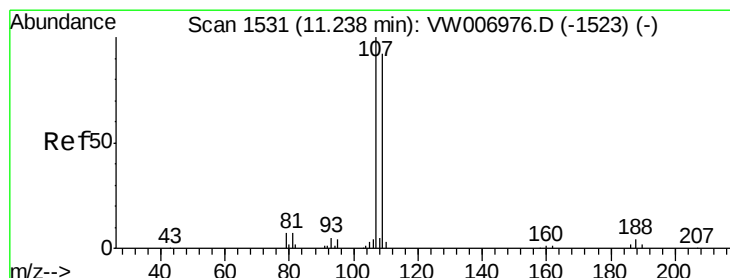
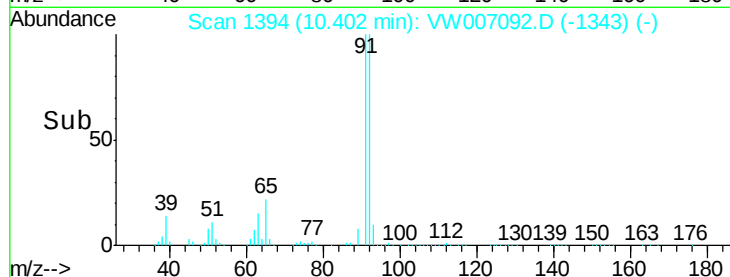
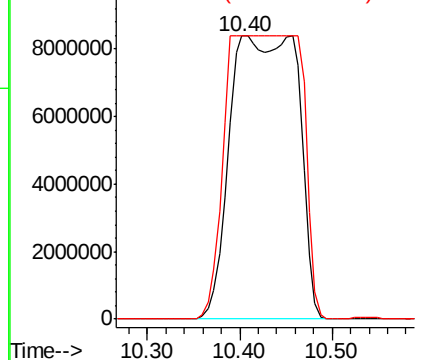
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Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#61

1,2-Dibromoethane

Concen: 1103.29 ug/l

RT: 11.24 min Scan# 1532

Delta R.T. 0.01 min

Lab File: VW007092.D

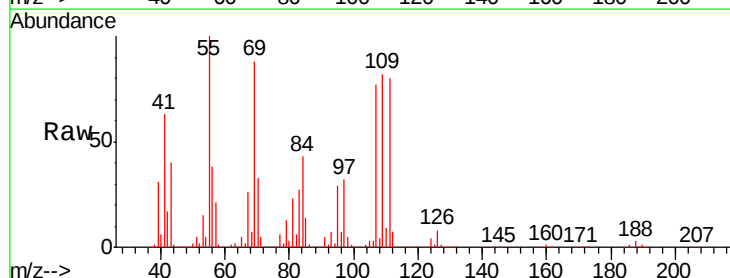
Acq: 27 Nov 2018 17:11

Tgt Ion: 107 Resp: 410265

Ion Ratio Lower Upper

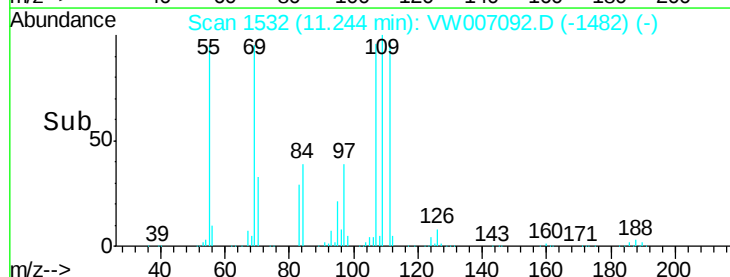
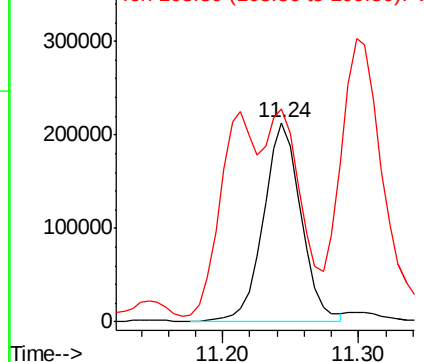
107 100

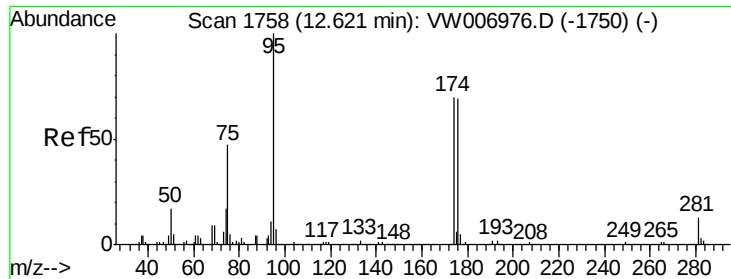
109 0.0 75.1 112.7#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





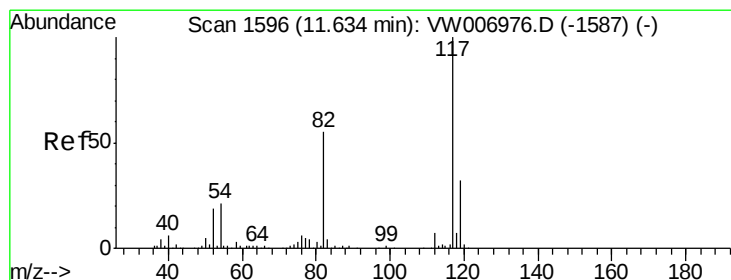
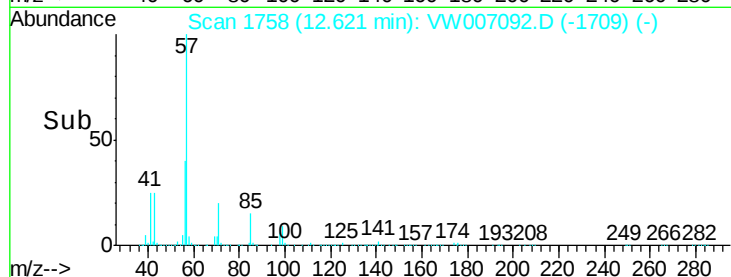
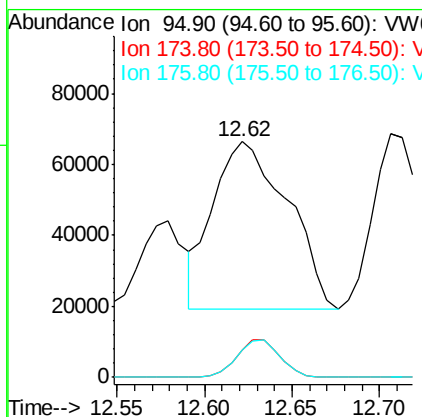
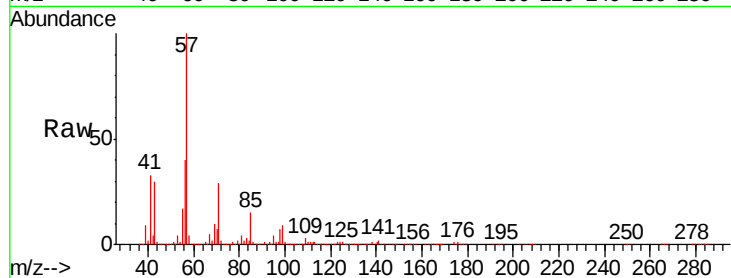
#62
 4-Bromofluorobenzene
 Concen: 168.32 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007092.D
 Acq: 27 Nov 2018 17:11

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC2-01R

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	140149		
174	13.0	0.0	143.6	
176	12.9	0.0	140.4	

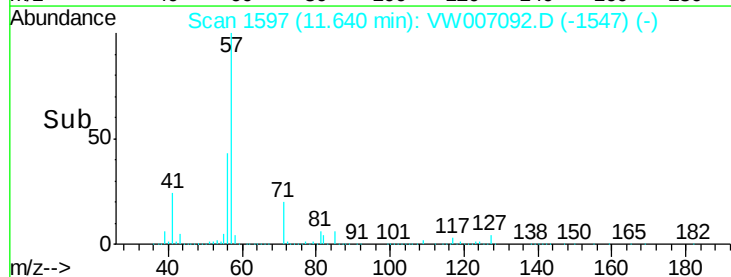
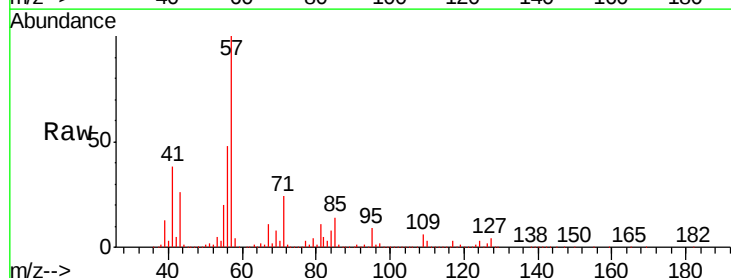
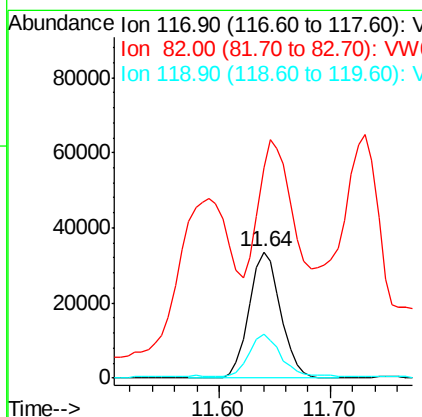
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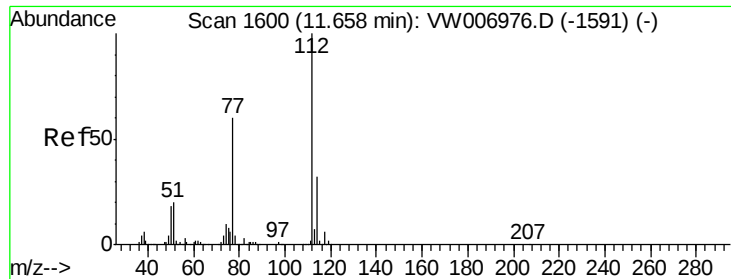
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#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.64 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: VW007092.D
 Acq: 27 Nov 2018 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	66100		
82	63.1	44.2	66.2	
119	32.9	25.9	38.9	





#65

Chlorobenzene

Concen: 21.03 ug/l

RT: 11.67 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VW007092.D

Acq: 27 Nov 2018 17:11

Instrument :

MSVOA_W

ClientSampleId :

AOC2-01R

Tgt Ion:112 Resp: 29019

Ion Ratio Lower Upper

112 100

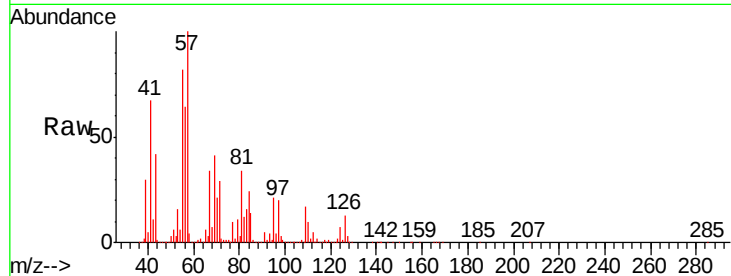
114 32.7 25.8 38.8

Manual Integrations

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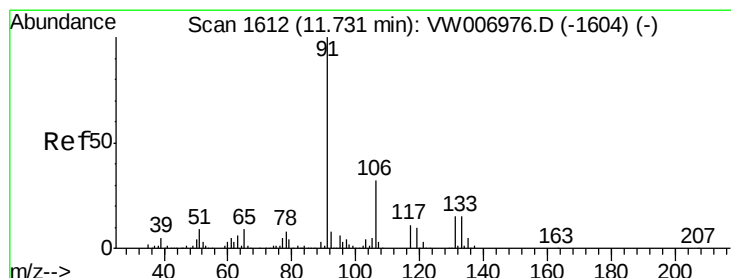
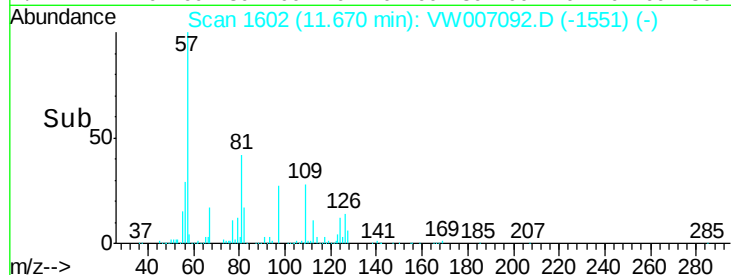
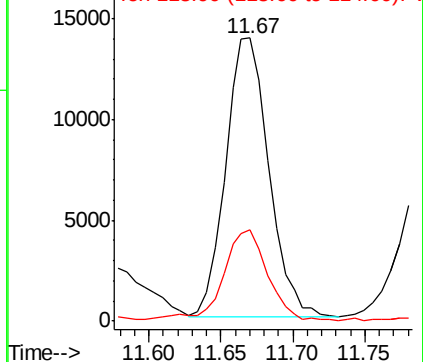
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 10572.81 ug/l m

RT: 11.74 min Scan# 1613

Delta R.T. 0.01 min

Lab File: VW007092.D

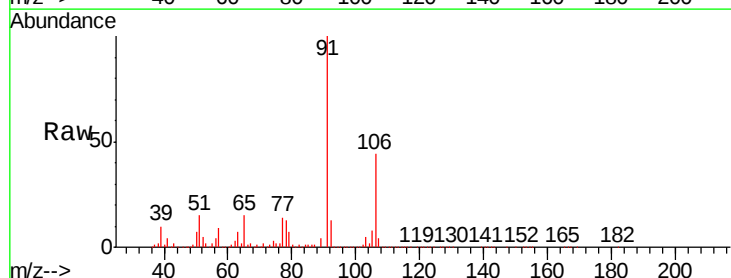
Acq: 27 Nov 2018 17:11

Tgt Ion: 91 Resp:26795891

Ion Ratio Lower Upper

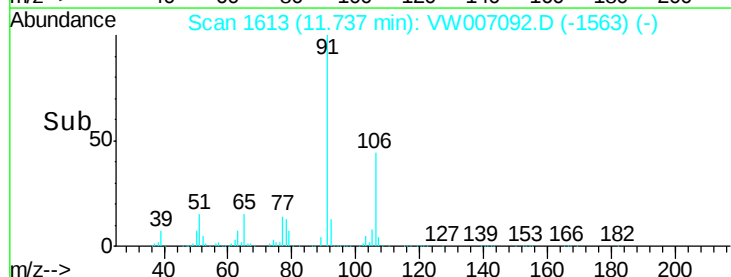
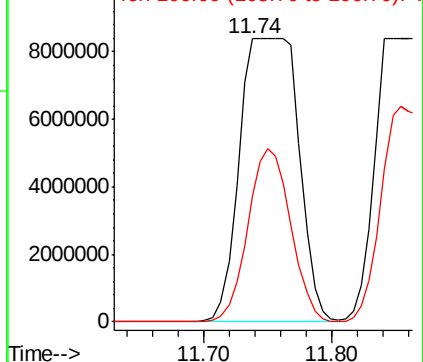
91 100

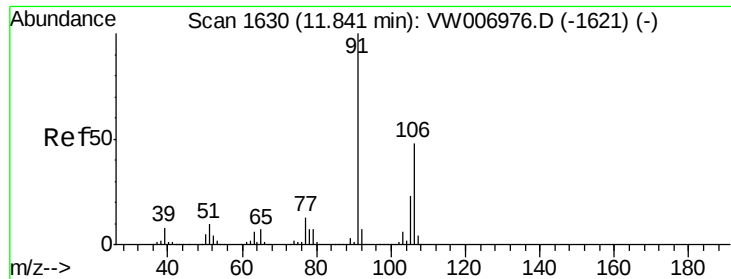
106 44.3 25.4 38.2#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





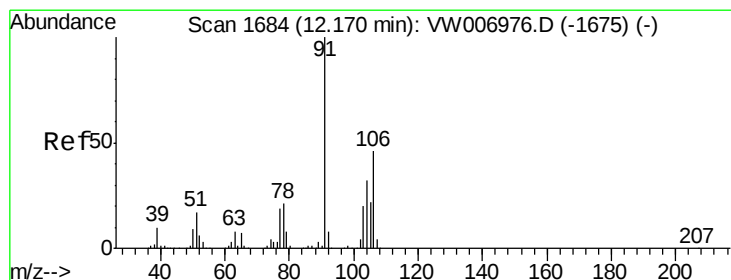
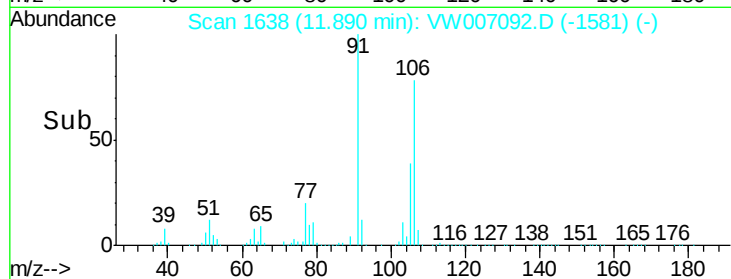
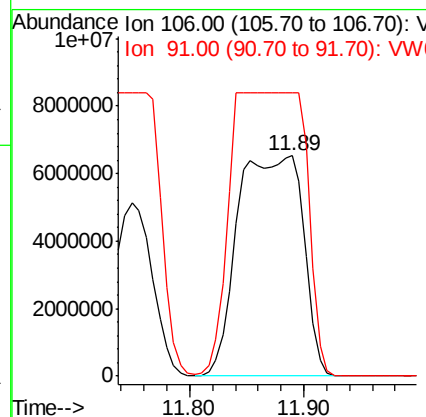
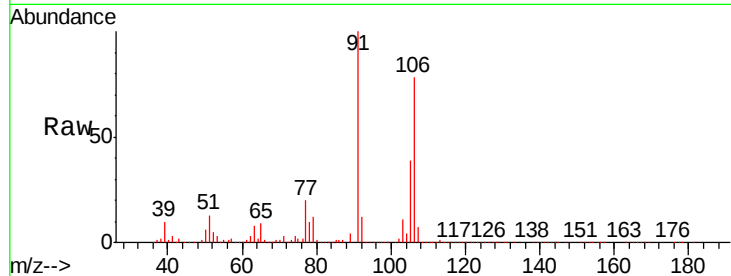
#68
m/p-Xylenes
Concen: 26015.06 ug/l m
RT: 11.89 min Scan# 1638
Delta R.T. 0.05 min
Lab File: VW007092.D
Acq: 27 Nov 2018 17:11

Instrument :
MSVOA_W
ClientSampleId :
AOC2-01R

Tgt Ion:106 Resp:25867550
Ion Ratio Lower Upper
106 100
91 0.0 164.8 247.2#

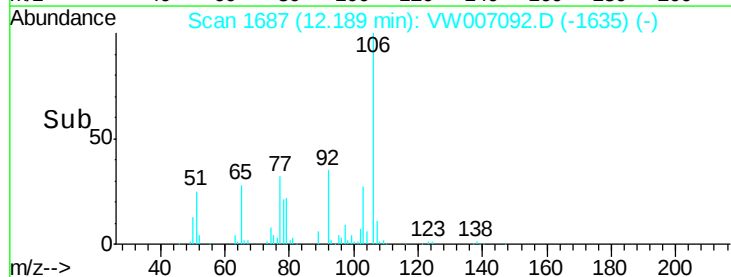
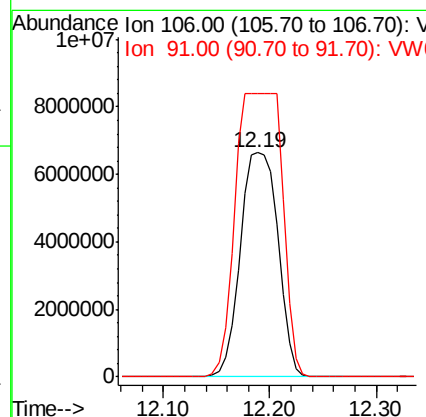
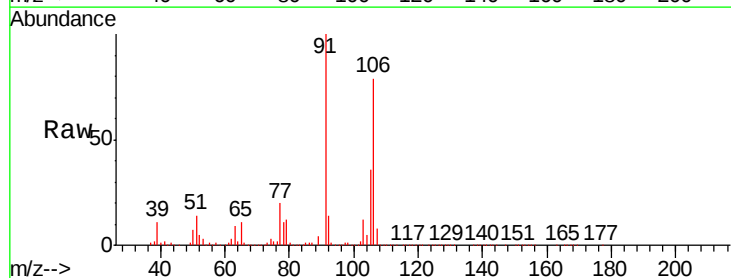
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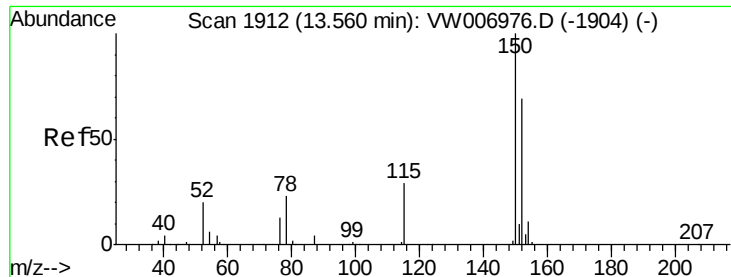
apatel
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#69
o-Xylene
Concen: 17617.99 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.02 min
Lab File: VW007092.D
Acq: 27 Nov 2018 17:11

Tgt Ion:106 Resp:16518162
Ion Ratio Lower Upper
106 100
91 0.0 107.9 323.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1914

Delta R.T. 0.01 min

Lab File: VW007092.D

Acq: 27 Nov 2018 17:11

Instrument :

MSVOA_W

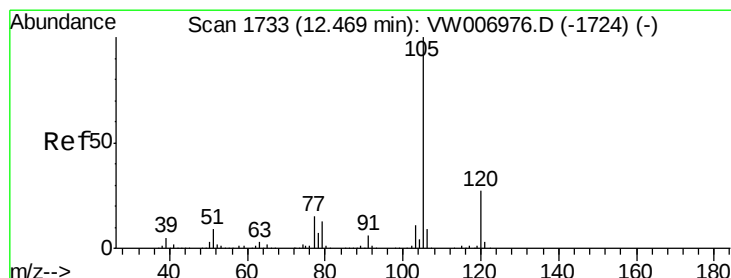
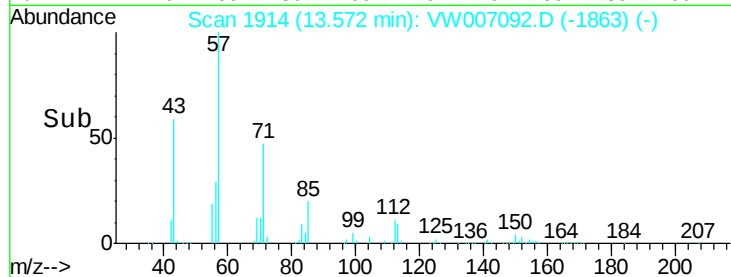
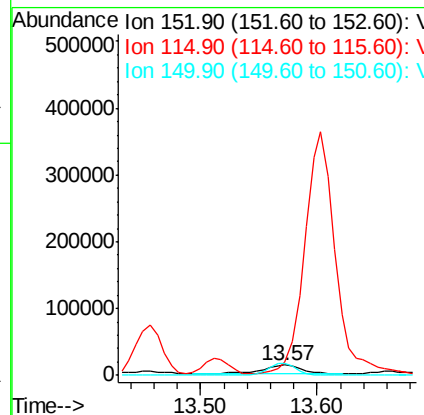
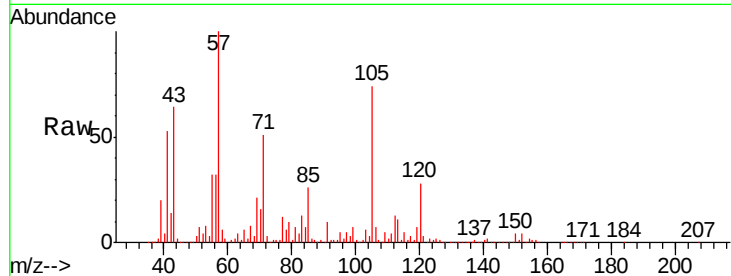
ClientSampleId :

AOC2-01R

Tgt Ion	Ratio	Lower	Upper
152	100		
115	0.0	31.4	94.2#
150	97.1	0.0	353.4

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#73

Isopropylbenzene

Concen: 1931.09 ug/l

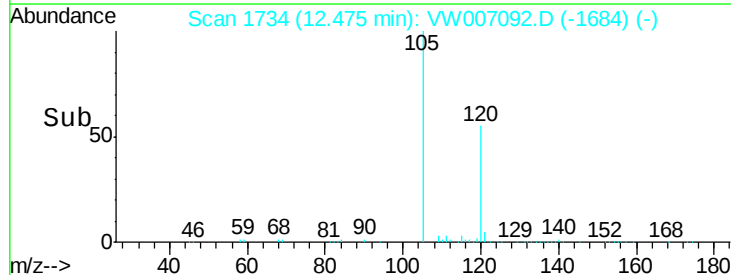
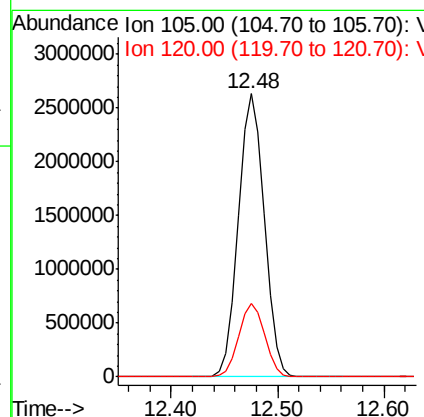
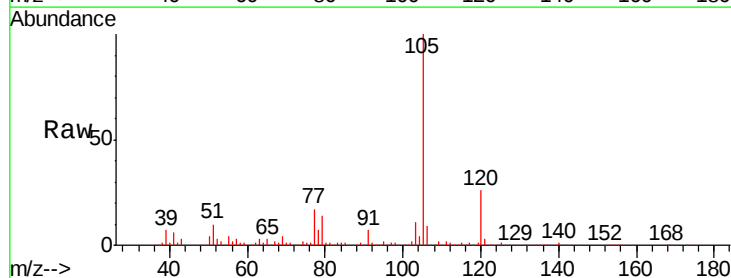
RT: 12.48 min Scan# 1734

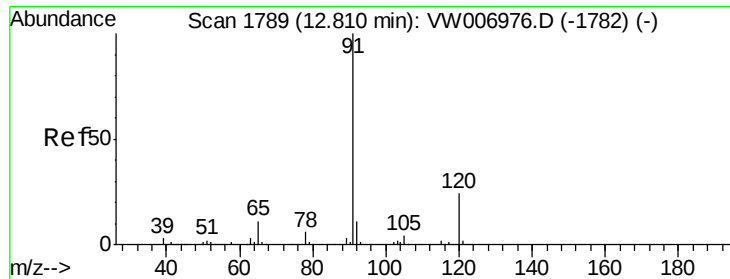
Delta R.T. 0.01 min

Lab File: VW007092.D

Acq: 27 Nov 2018 17:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.3	39.8





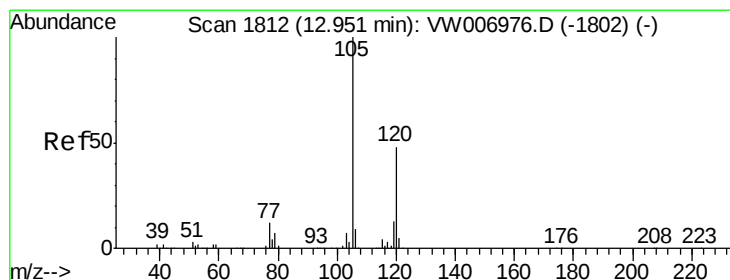
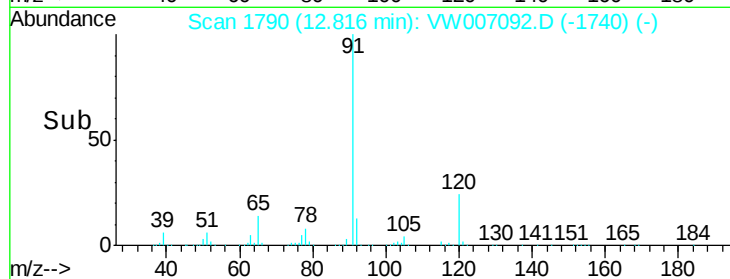
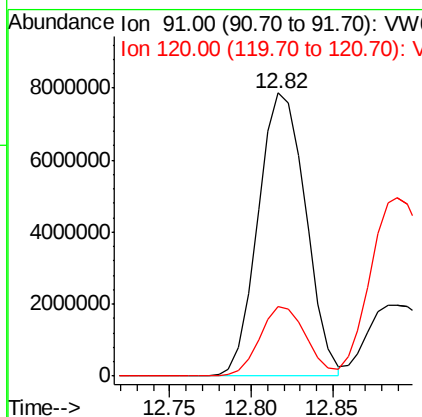
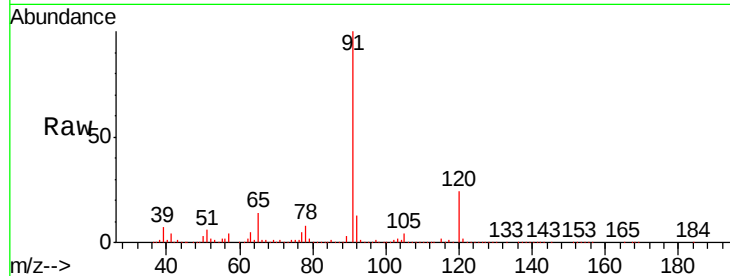
#78
n-propylbenzene
Concen: 5594.30 ug/l
RT: 12.82 min Scan# 1790
Delta R.T. 0.01 min
Lab File: VW007092.D
Acq: 27 Nov 2018 17:11

Instrument :
MSVOA_W
ClientSampleId :
AOC2-01R

Tgt Ion: 91 Resp:15847492
Ion Ratio Lower Upper
91 100
120 24.2 11.7 35.1

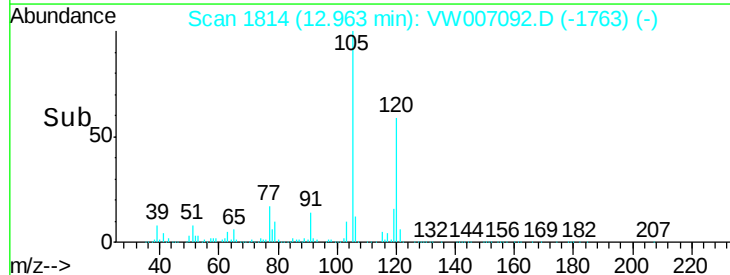
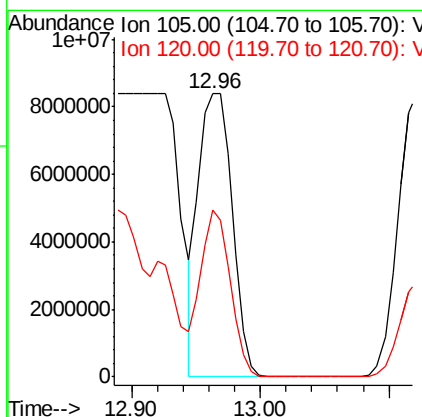
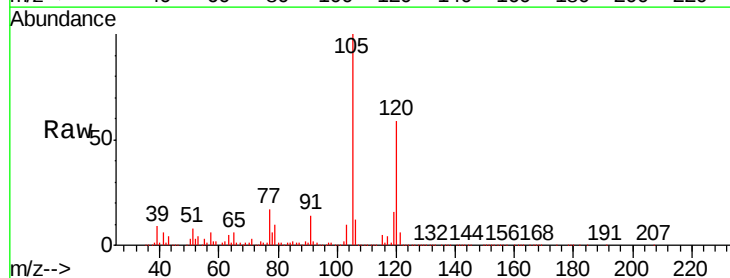
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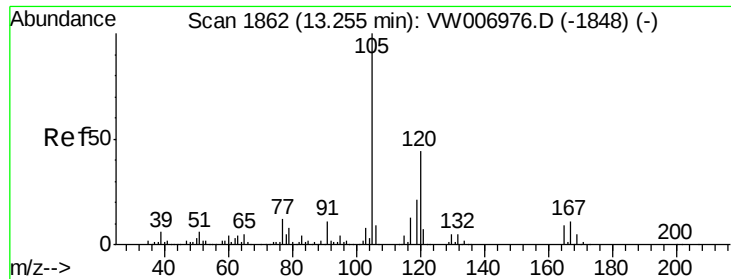
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#80
1,3,5-Trimethylbenzene
Concen: 7532.70 ug/l
RT: 12.96 min Scan# 1814
Delta R.T. 0.01 min
Lab File: VW007092.D
Acq: 27 Nov 2018 17:11

Tgt Ion:105 Resp:15233650
Ion Ratio Lower Upper
105 100
120 52.1 23.8 71.2





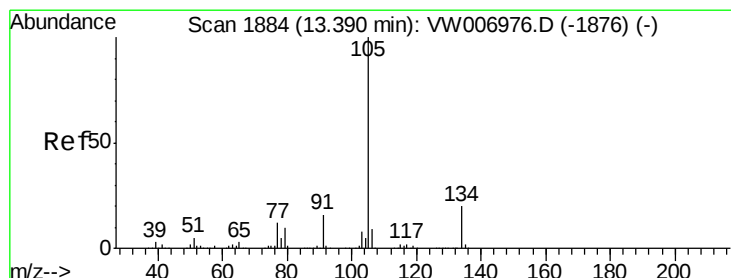
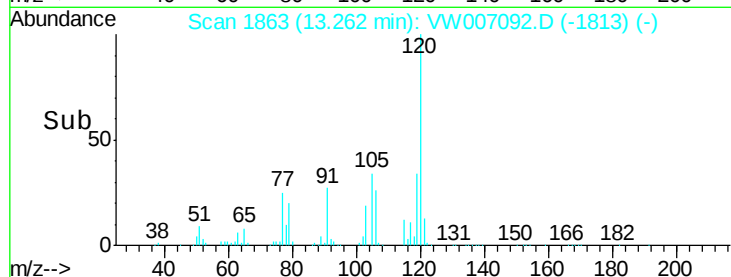
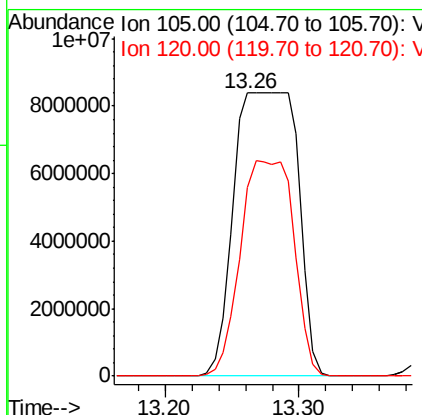
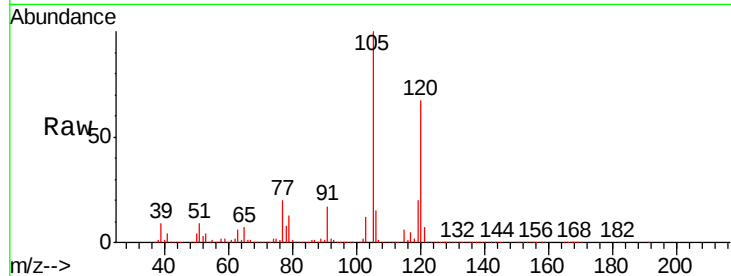
#84
1,2,4-Trimethylbenzene
Concen: 13747.57 ug/l m
RT: 13.26 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VW007092.D
Acq: 27 Nov 2018 17:11

Instrument :
MSVOA_W
ClientSampleId :
AOC2-01R

Tgt Ion:105 Resp:27699551
Ion Ratio Lower Upper
105 100
120 17.6 21.8 65.3#

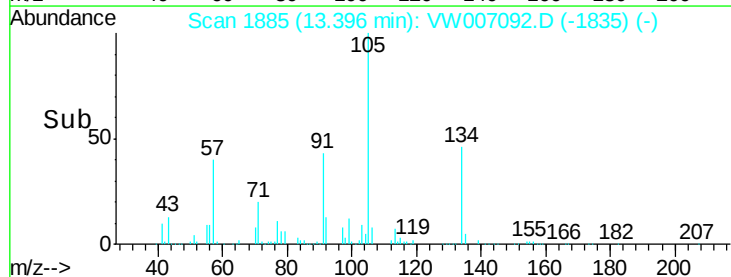
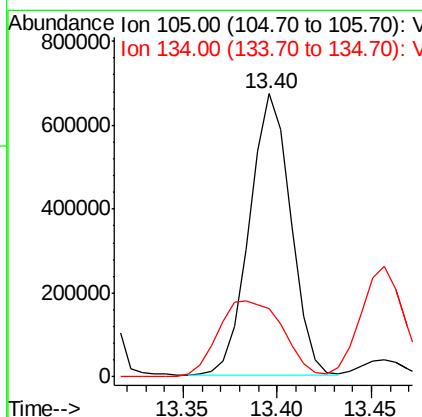
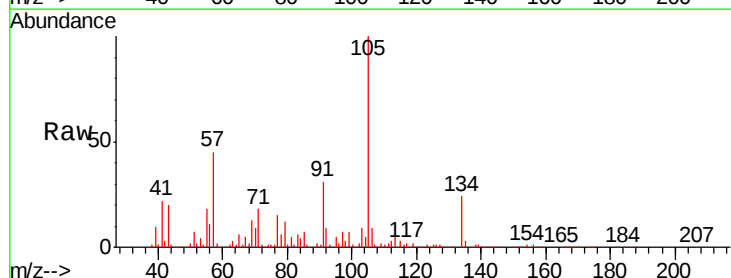
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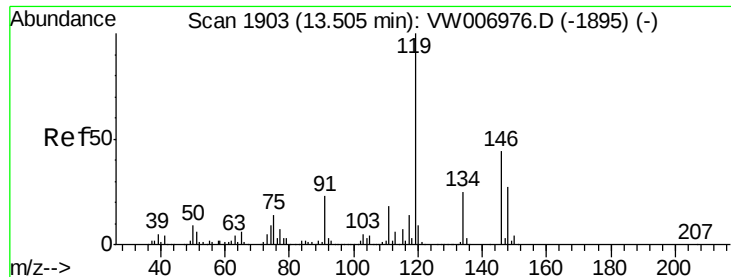
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#85
sec-Butylbenzene
Concen: 409.50 ug/l
RT: 13.40 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VW007092.D
Acq: 27 Nov 2018 17:11

Tgt Ion:105 Resp: 1012909
Ion Ratio Lower Upper
105 100
134 42.9 9.8 29.3#





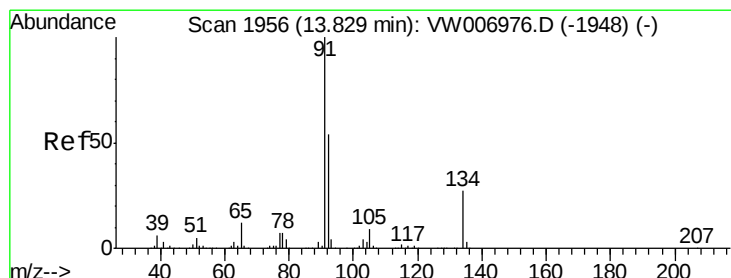
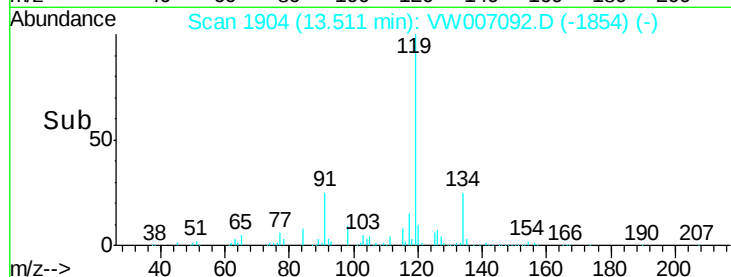
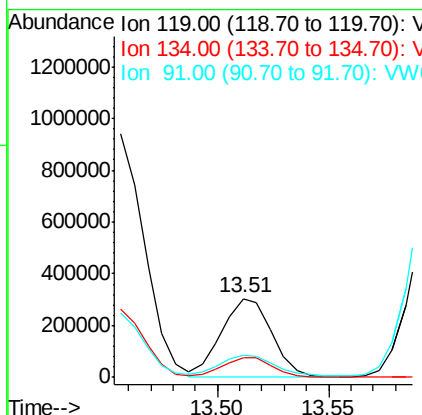
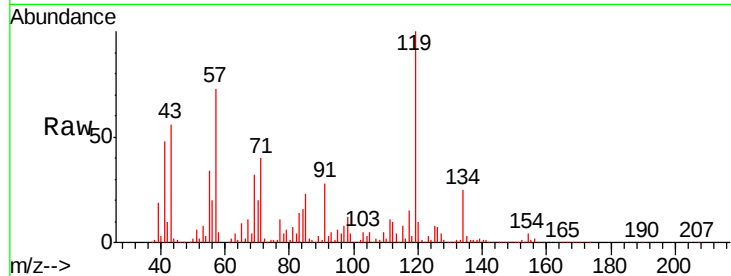
#86
p-Isopropyltoluene
Concen: 217.34 ug/l
RT: 13.51 min Scan# 1904
Delta R.T. 0.01 min
Lab File: VW007092.D
Acq: 27 Nov 2018 17:11

Instrument :
MSVOA_W
ClientSampled :
AOC2-01R

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.8	38.3
91	27.7	12.2	36.6

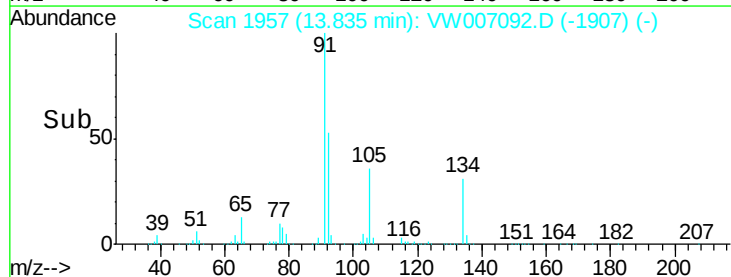
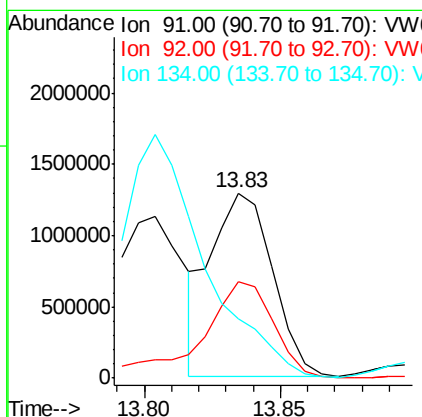
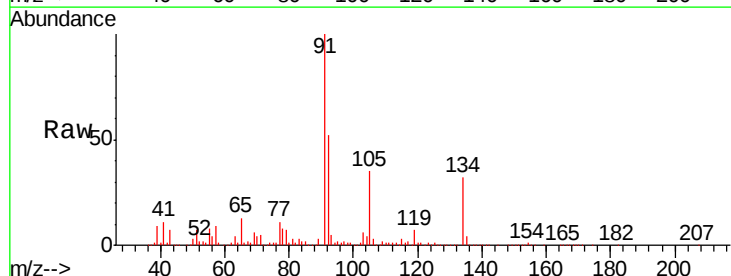
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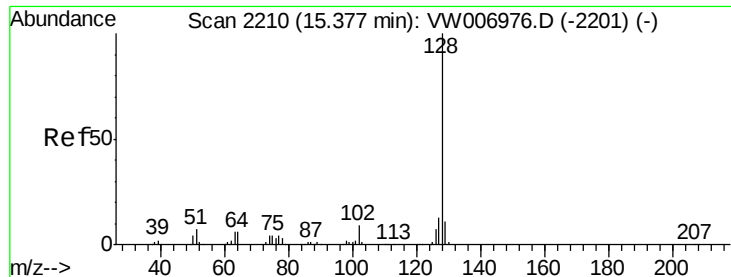
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#89
n-Butylbenzene
Concen: 974.60 ug/l
RT: 13.83 min Scan# 1957
Delta R.T. 0.01 min
Lab File: VW007092.D
Acq: 27 Nov 2018 17:11

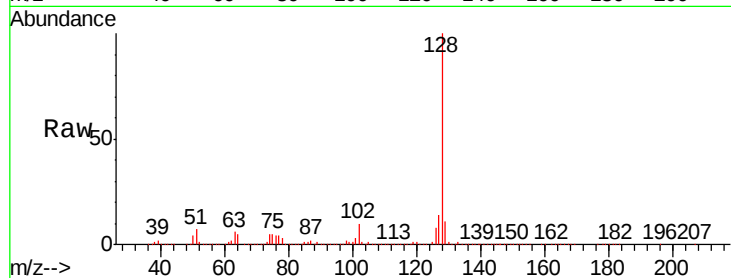
Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.8	26.8	80.4
134	0.0	13.3	39.8#





#95
Naphthalene
Concen: 6387.37 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007092.D
Acq: 27 Nov 2018 17:11

Instrument :
MSVOA_W
ClientSampleId :
AOC2-01R



Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	11.2	8.7	13.1

Manual Integrations
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