

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112618\
 Data File : VW007048.D
 Acq On : 26 Nov 2018 15:34
 Operator : VAY/AP
 Sample : J6003-12
 Misc : 6.23G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC2-05

Manual Integrations
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Quant Time: Nov 27 06:21:49 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	92711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	143519	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	145008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	70441	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	52174	57.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.96%	
35) Dibromofluoromethane	7.89	113	49255	60.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.54%	
50) Toluene-d8	10.34	98	238455	66.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.26%	
62) 4-Bromofluorobenzene	12.62	95	107514	76.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.68%	

Target Compounds						Qvalue
16) Acetone	4.11	43	183903	1395.51	ug/l #	53
39) Methylcyclohexane	9.34	83	1252430	713.60	ug/l #	81
40) Benzene	8.33	78	8667736	2289.55	ug/l	98
52) Toluene	10.40	92	20931023	8124.15	ug/l #	1
61) 1,2-Dibromoethane	11.24	107	102092	162.31	ug/l	90
67) Ethyl Benzene	11.74	91	9416289	1693.60	ug/l	99
68) m/p-Xylenes	11.85	106	9756028	4472.52	ug/l	94
69) o-Xylene	12.18	106	4239077	2060.99	ug/l	95
73) Isopropylbenzene	12.47	105	978710	178.77	ug/l	99
78) n-propylbenzene	12.81	91	4279030	645.27	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	4679690	988.50	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	12974980	2750.88	ug/l	98
85) sec-Butylbenzene	13.39	105	294201m	50.81	ug/l	
86) p-Isopropyltoluene	13.51	119	138029m	27.02	ug/l	
89) n-Butylbenzene	13.83	91	561253	116.75	ug/l #	69
95) Naphthalene	15.38	128	1861074	739.18	ug/l	99

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

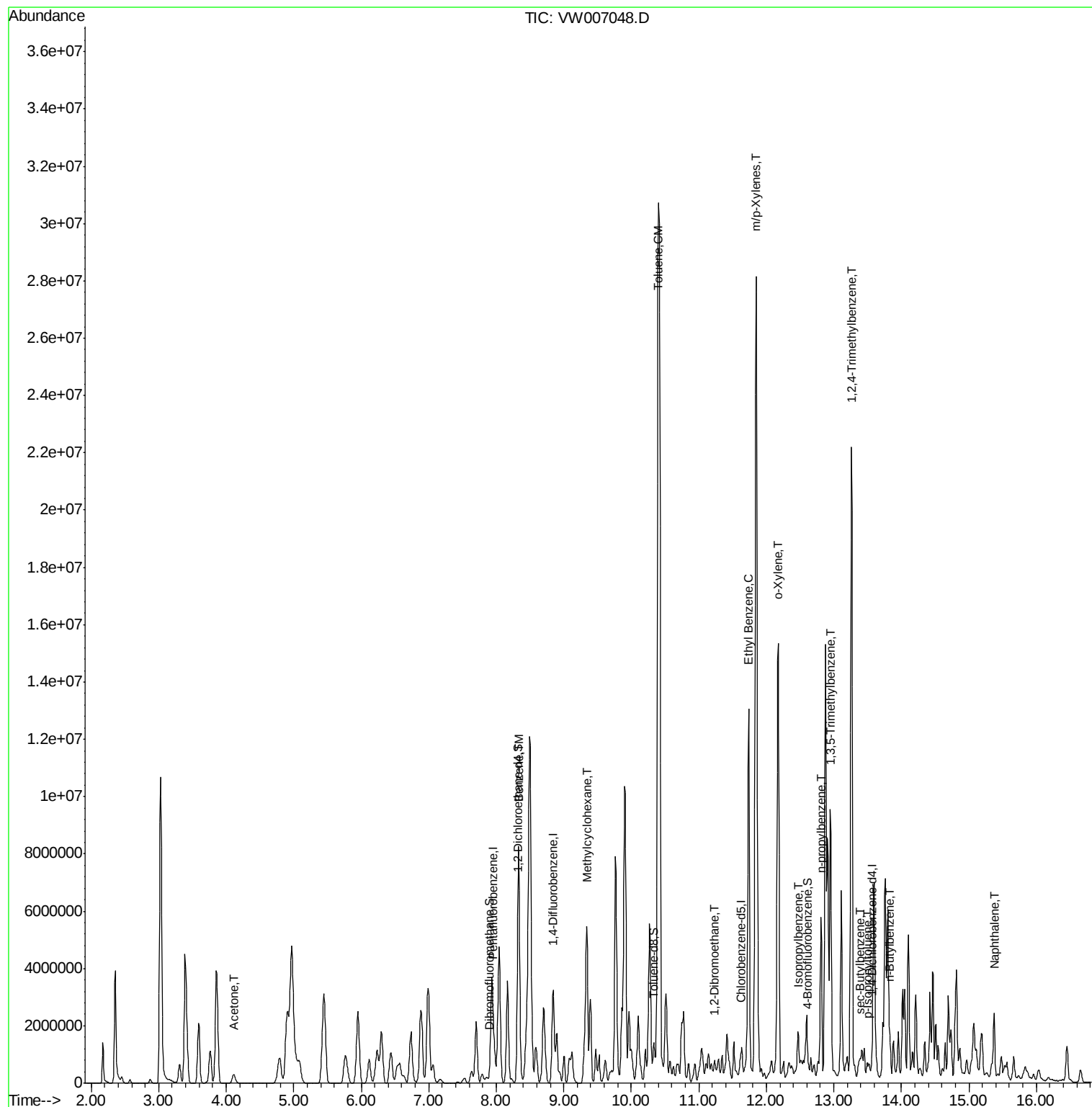
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW112618\
Data File : VW007048.D
Acq On : 26 Nov 2018 15:34
Operator : VAY/AP
Sample : J6003-12
Misc : 6.23G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

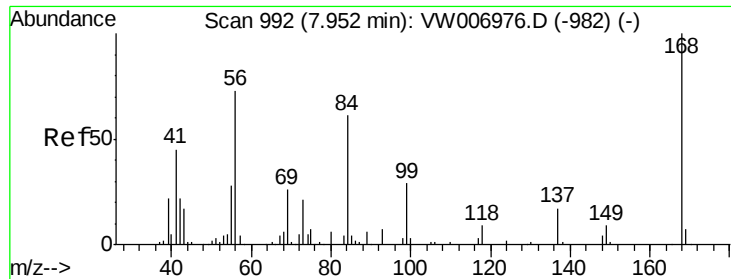
Instrument :
MSVOA_W
ClientSampleId :
AOC2-05

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Quant Time: Nov 27 06:21:49 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# 993

Delta R.T. 0.01 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Instrument :

MSVOA_W

ClientSampled :

AOC2-05

Tgt Ion:168 Resp: 92711

Ion Ratio Lower Upper

168 100

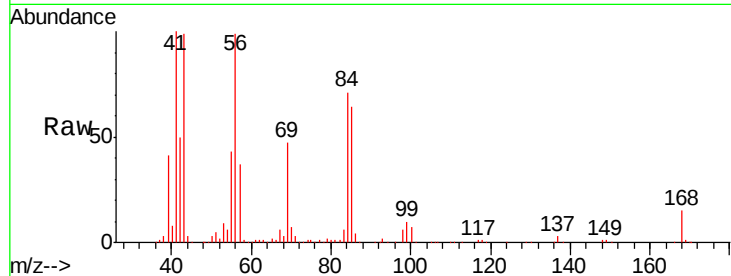
99 66.1 48.2 72.4

Manual Integrations

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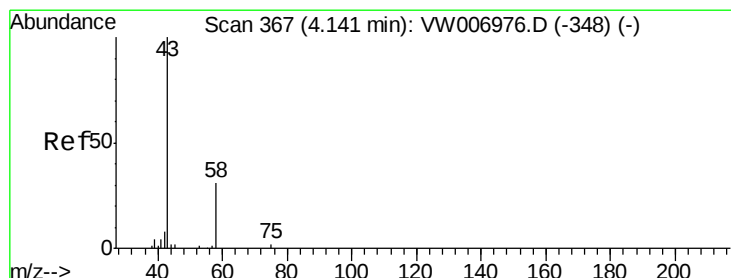
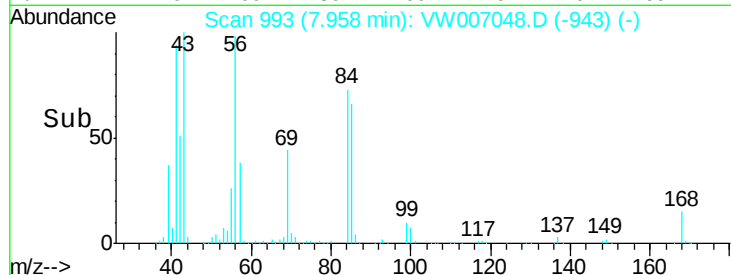
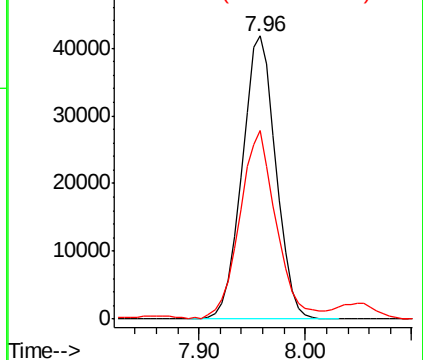
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 1395.51 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.03 min

Lab File: VW007048.D

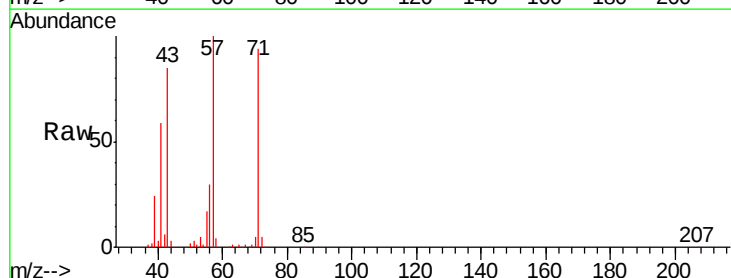
Acq: 26 Nov 2018 15:34

Tgt Ion: 43 Resp: 183903

Ion Ratio Lower Upper

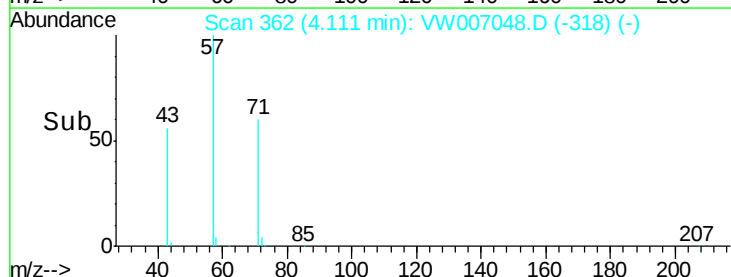
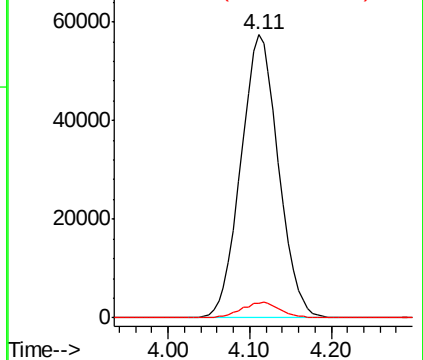
43 100

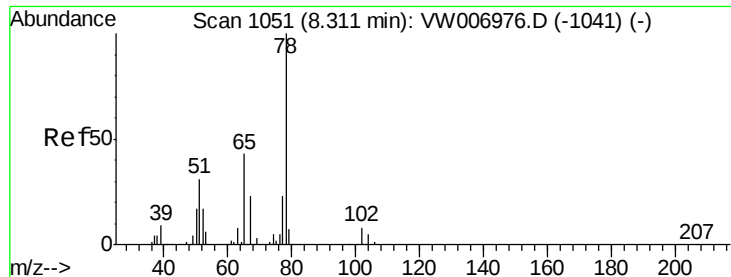
58 5.2 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





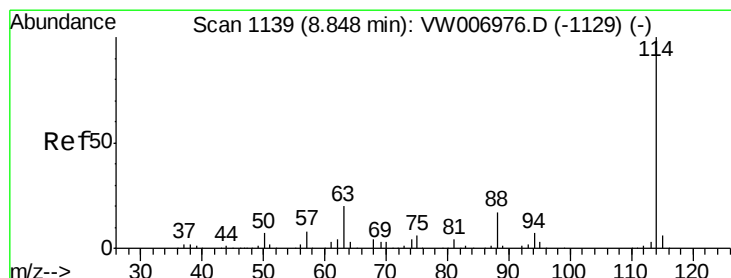
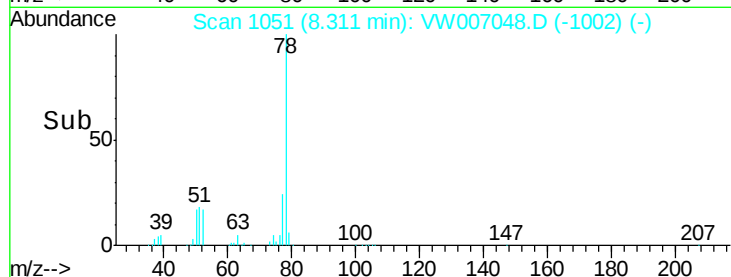
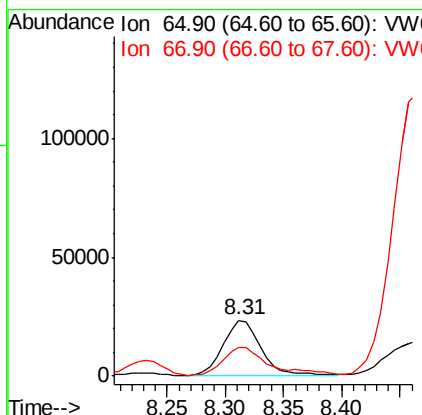
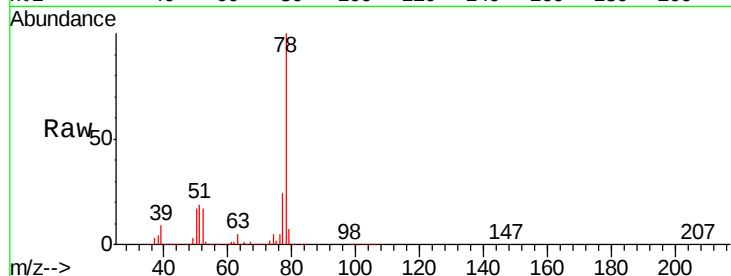
#33
 1,2-Dichloroethane-d4
 Concen: 57.48 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007048.D
 Acq: 26 Nov 2018 15:34

Instrument :
 MSVOA_W
 ClientSampled :
 AOC2-05

Tgt Ion: 65 Resp: 52174
 Ion Ratio Lower Upper
 65 100
 67 61.0 0.0 106.2

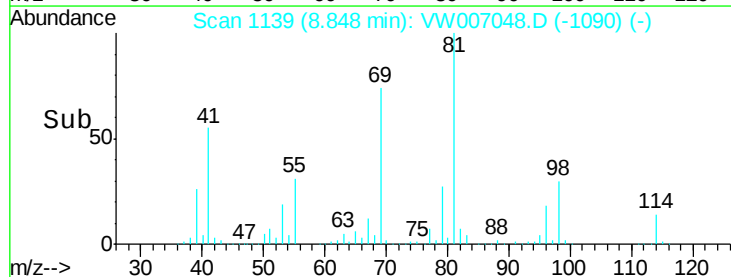
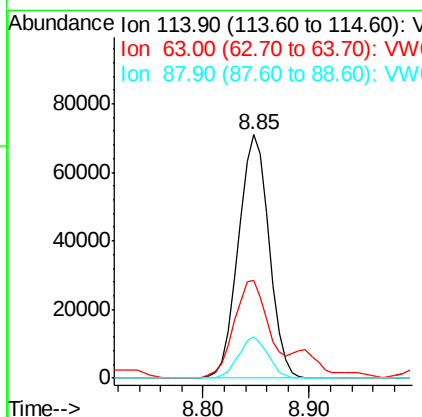
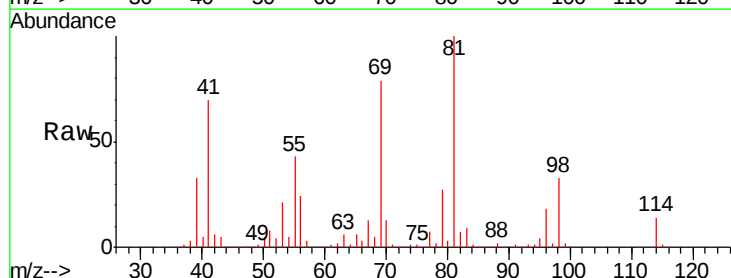
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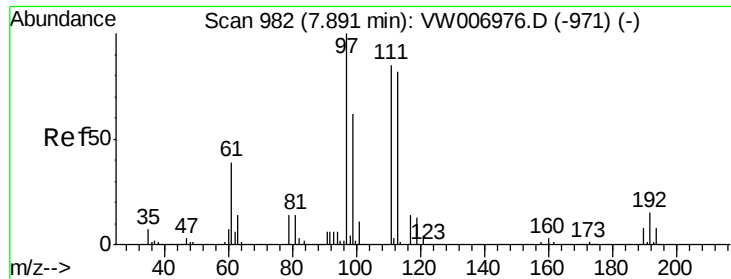
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007048.D
 Acq: 26 Nov 2018 15:34

Tgt Ion: 114 Resp: 143519
 Ion Ratio Lower Upper
 114 100
 63 40.1 0.0 39.4#
 88 16.8 0.0 34.2





#35

Dibromofluoromethane

Concen: 60.77 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Instrument :

MSVOA_W

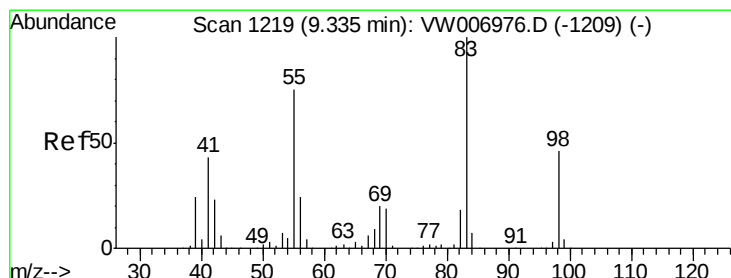
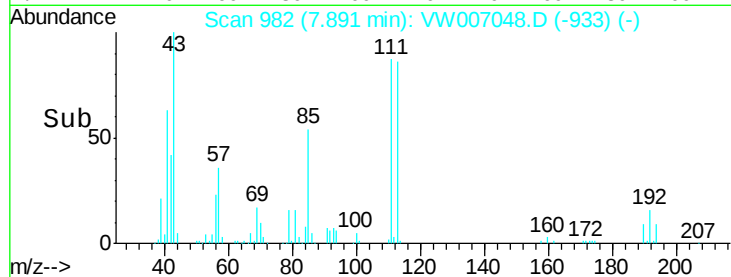
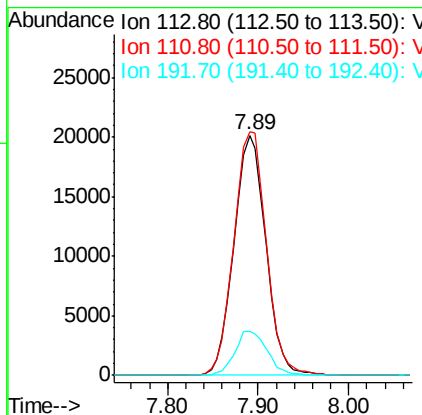
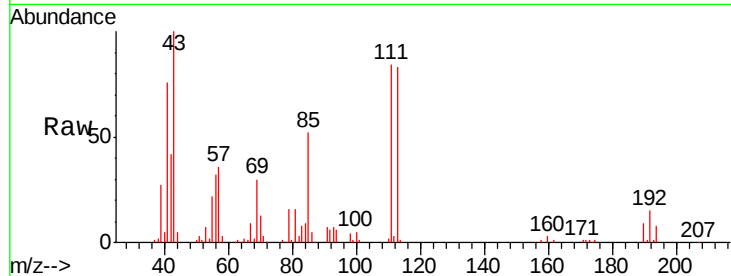
ClientSampled :

AOC2-05

Tgt Ion:	113	Resp:	49255
Ion Ratio	Lower	Upper	
113	100		
111	103.4	81.0	121.6
192	18.6	15.0	22.6

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#39

Methylcyclohexane

Concen: 713.60 ug/l

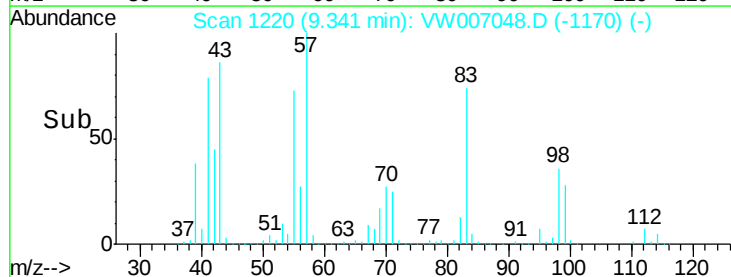
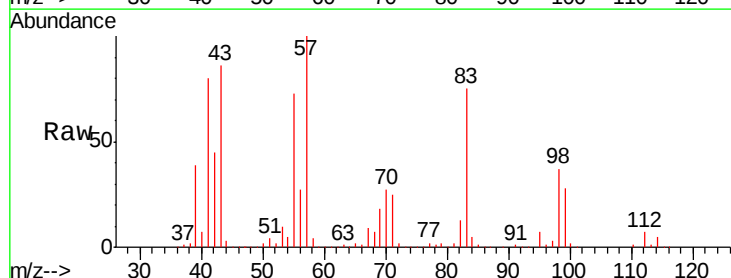
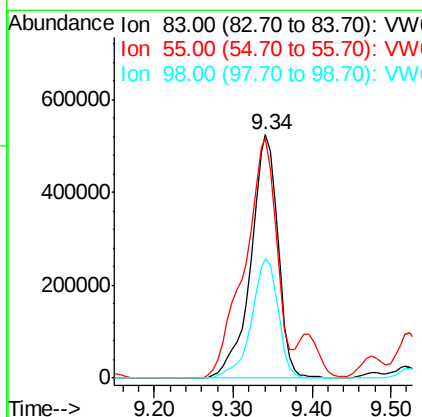
RT: 9.34 min Scan# 1220

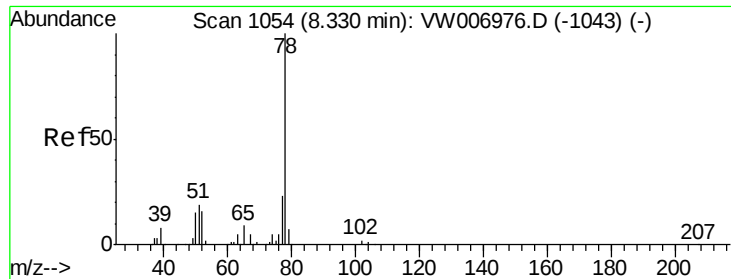
Delta R.T. 0.01 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Tgt Ion:	83	Resp:	1252430
Ion Ratio	Lower	Upper	
83	100		
55	98.4	59.6	89.4#
98	49.2	37.1	55.7





#40

Benzene

Concen: 2289.55 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Instrument :

MSVOA_W

ClientSampleId :

AOC2-05

Tgt Ion: 78 Resp: 8667736

Ion Ratio Lower Upper

78 100

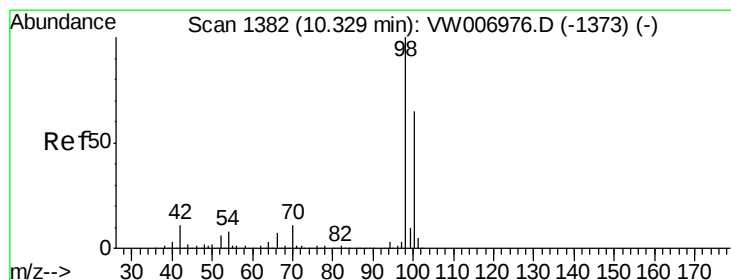
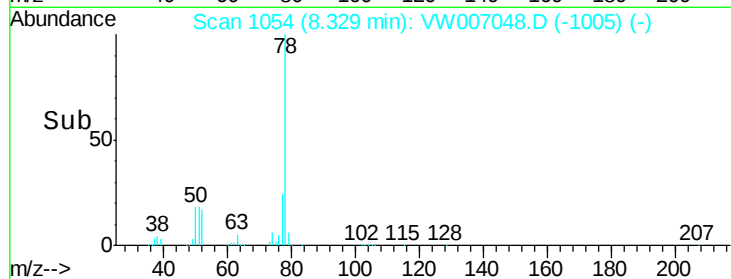
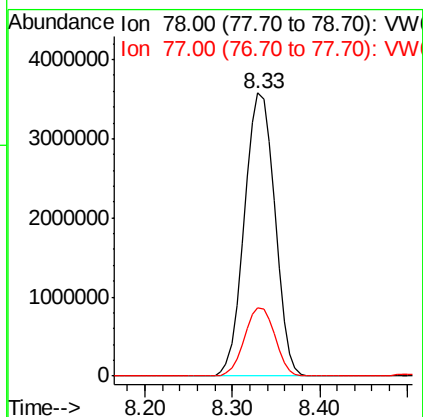
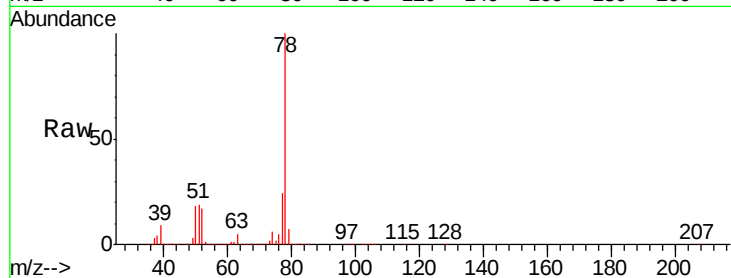
77 24.3 18.6 28.0

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#50

Toluene-d8

Concen: 66.63 ug/l

RT: 10.34 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VW007048.D

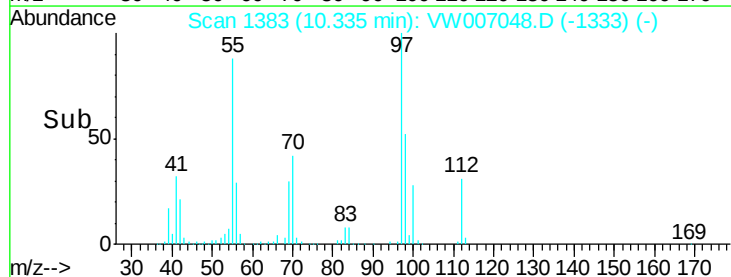
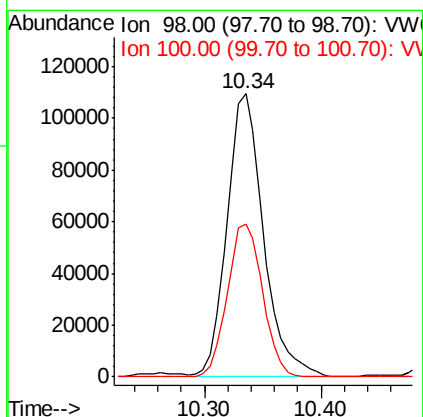
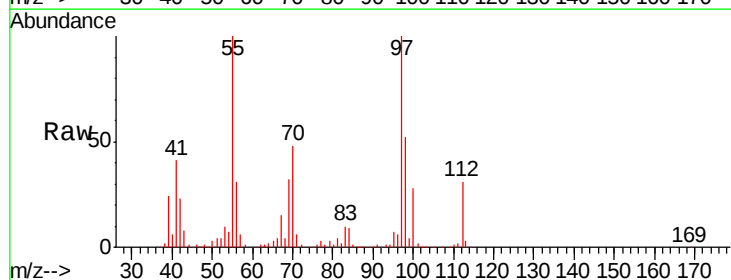
Acq: 26 Nov 2018 15:34

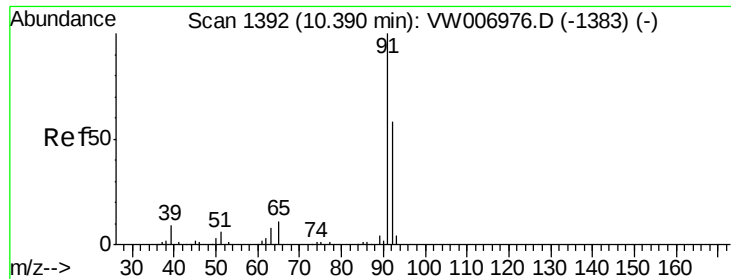
Tgt Ion: 98 Resp: 238455

Ion Ratio Lower Upper

98 100

100 52.1 52.2 78.2#





#52

Toluene

Concen: 8124.15 ug/l

RT: 10.40 min Scan# 1394

Delta R.T. 0.01 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Instrument :

MSVOA_W

ClientSampleId :

AOC2-05

Tgt Ion: 92 Resp: 20931023

Ion Ratio Lower Upper

92 100

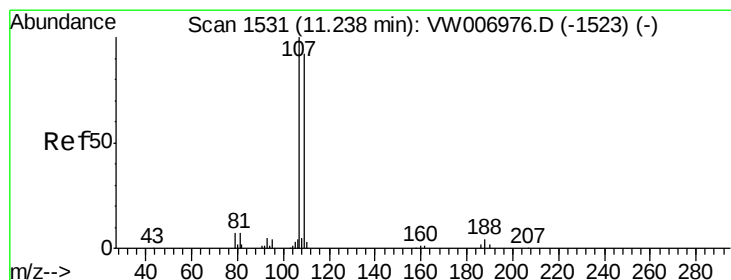
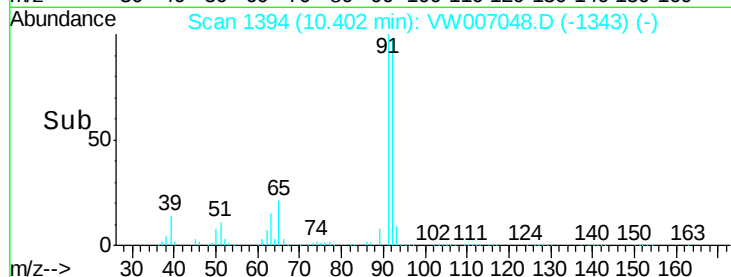
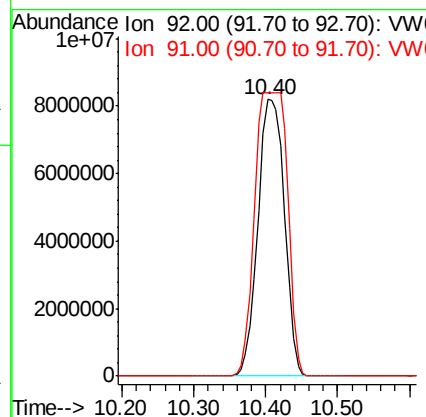
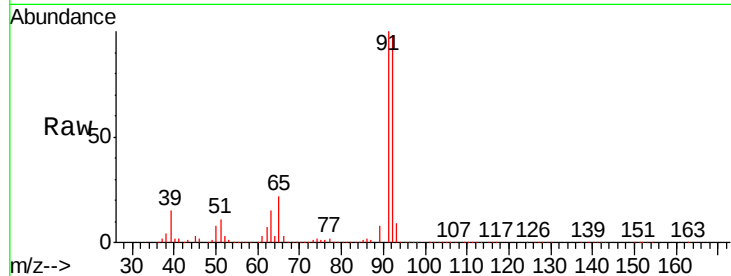
91 0.0 137.3 205.9#

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#61

1,2-Dibromoethane

Concen: 162.31 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007048.D

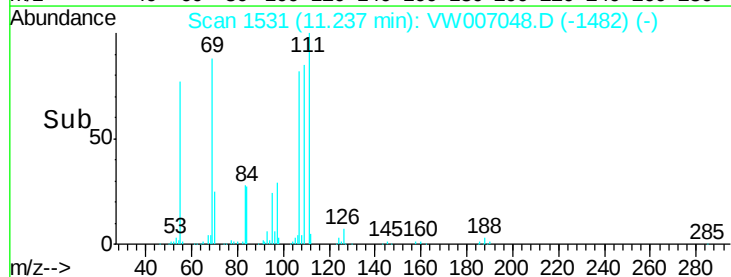
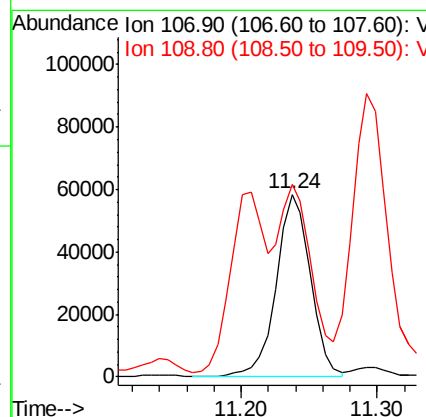
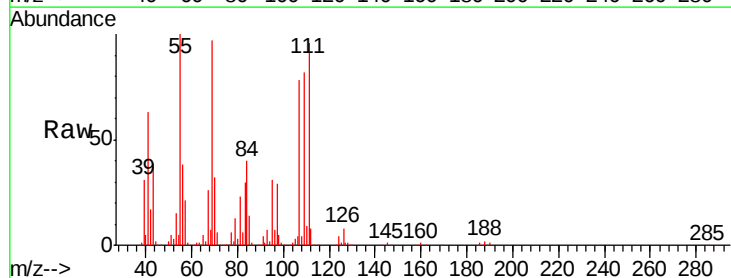
Acq: 26 Nov 2018 15:34

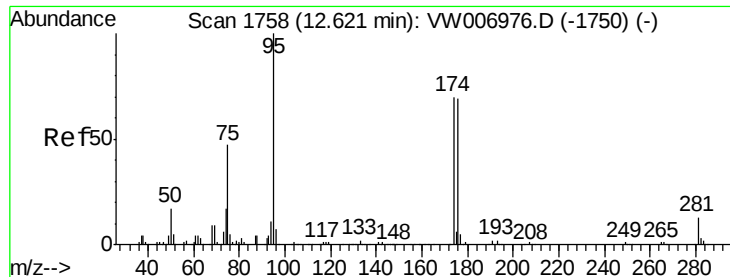
Tgt Ion: 107 Resp: 102092

Ion Ratio Lower Upper

107 100

109 103.7 75.1 112.7





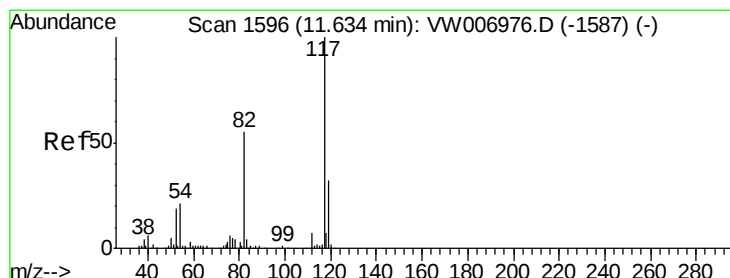
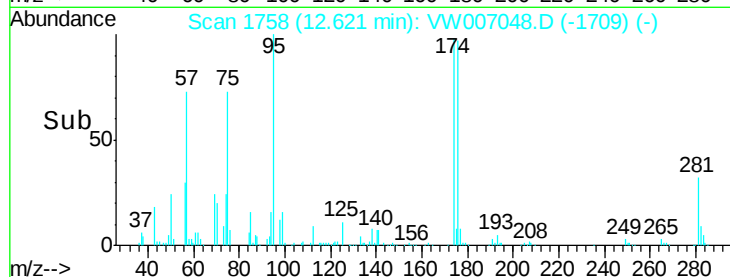
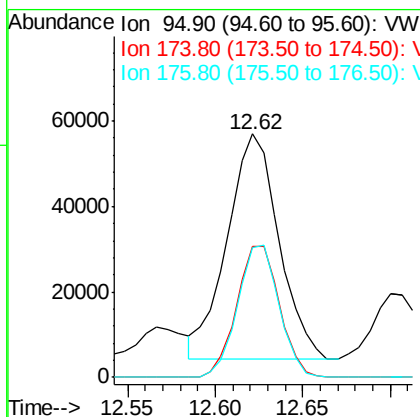
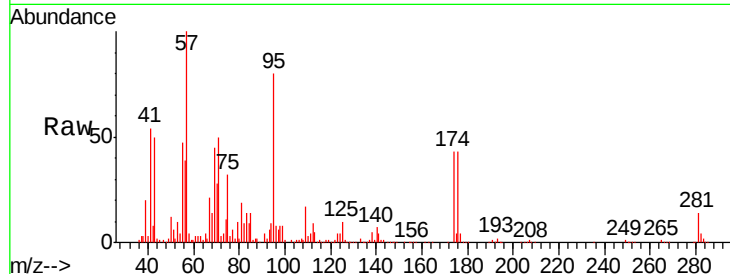
#62
4-Bromofluorobenzene
Concen: 76.34 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

Instrument :
MSVOA_W
ClientSampled :
AOC2-05

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	107514		
174	48.8	0.0	143.6	
176	47.5	0.0	140.4	

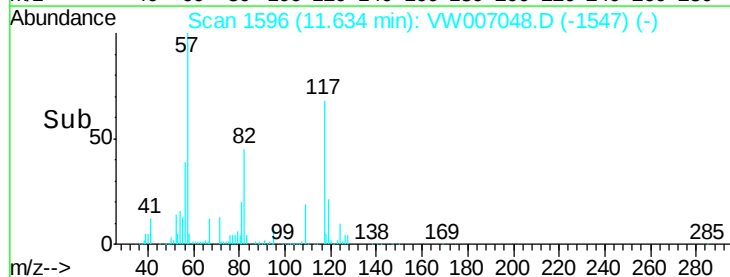
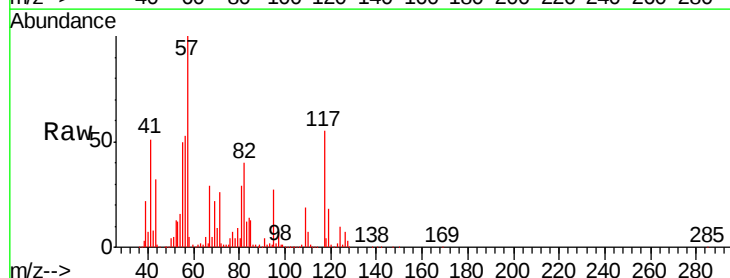
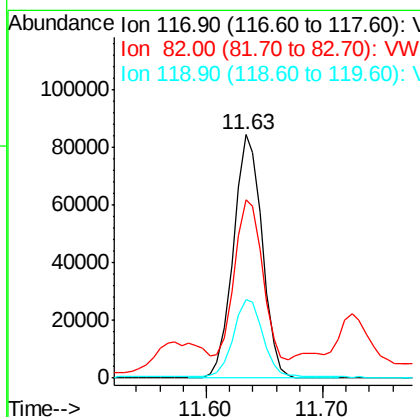
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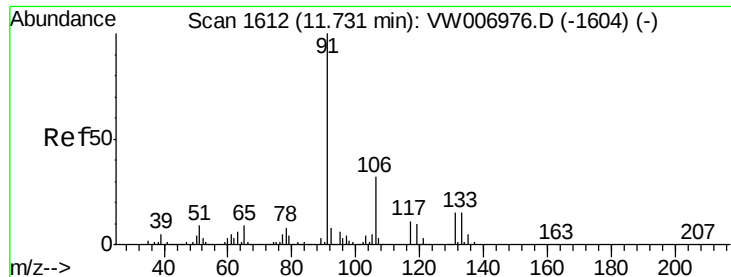
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	145008		
82	58.6	44.2	66.2	
119	31.7	25.9	38.9	





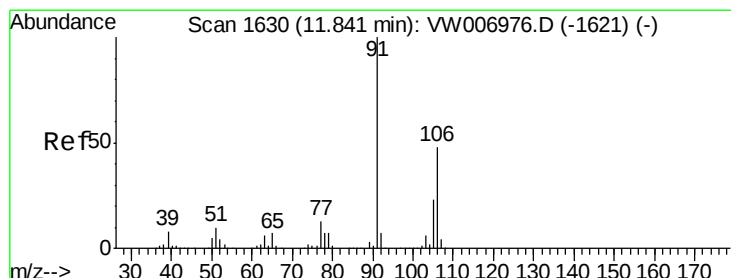
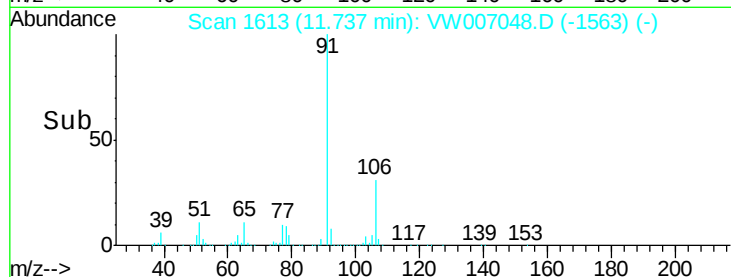
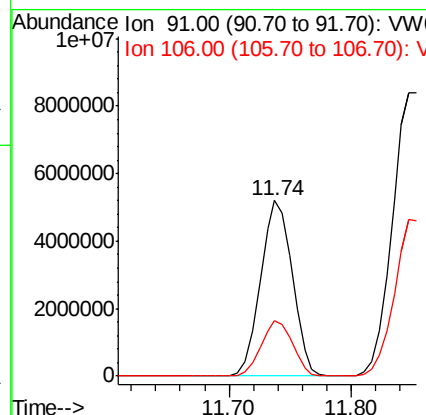
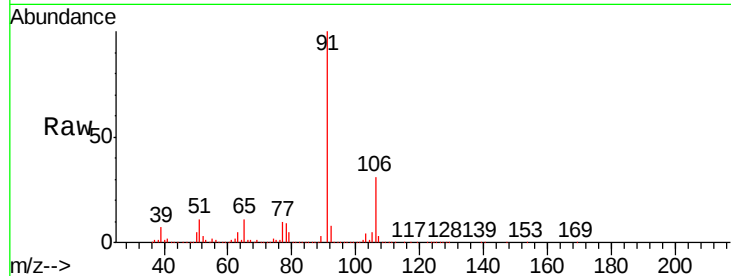
#67
Ethyl Benzene
Concen: 1693.60 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

Instrument :
MSVOA_W
ClientSampled :
AOC2-05

Tgt Ion: 91 Resp: 9416289
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.2

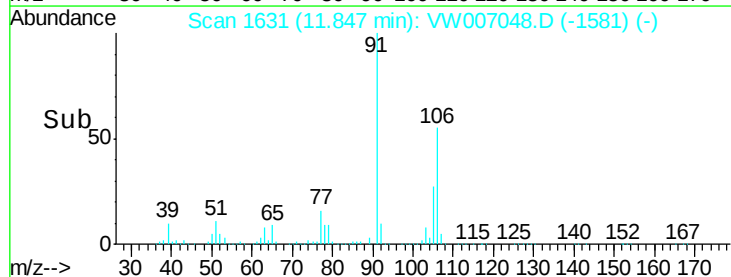
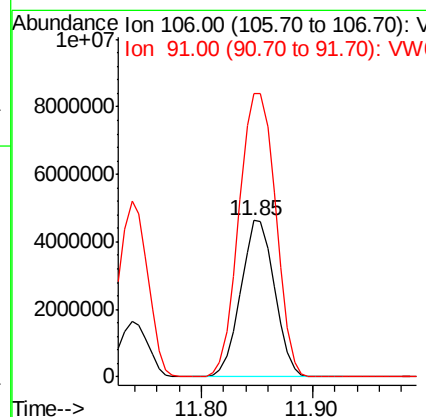
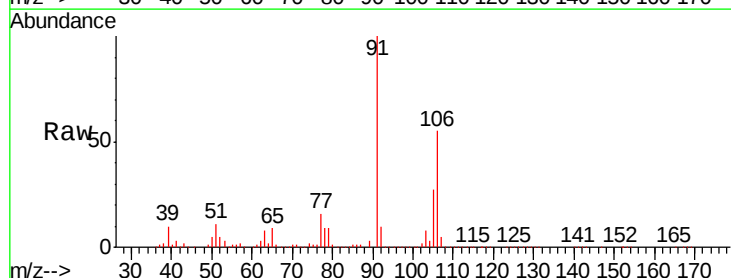
Manual Integrations
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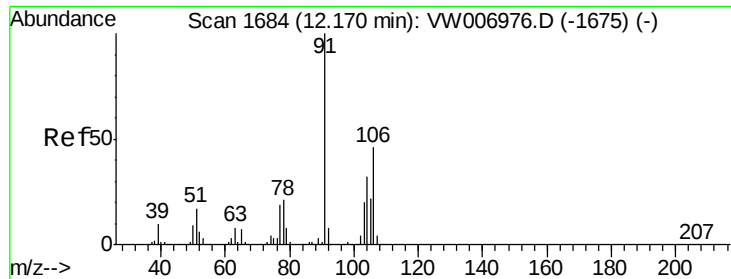
apatel
11/27/2018 2:23:06 PM



#68
m/p-Xylenes
Concen: 4472.52 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

Tgt Ion: 106 Resp: 9756028
Ion Ratio Lower Upper
106 100
91 196.7 164.8 247.2





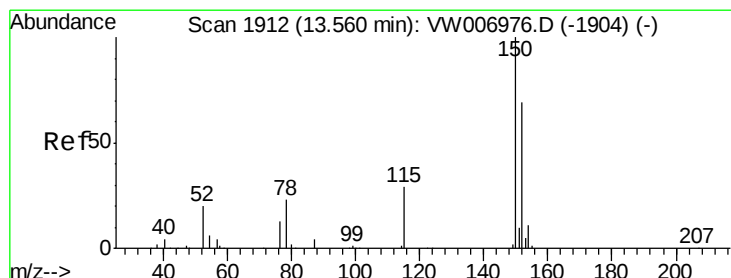
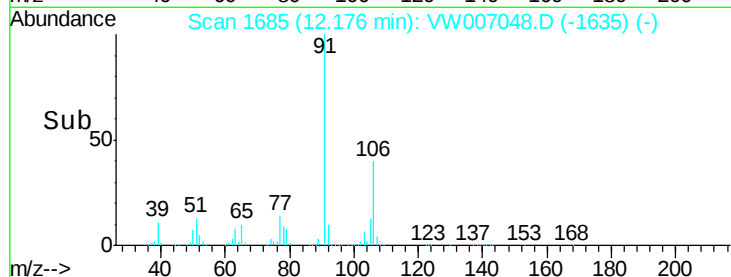
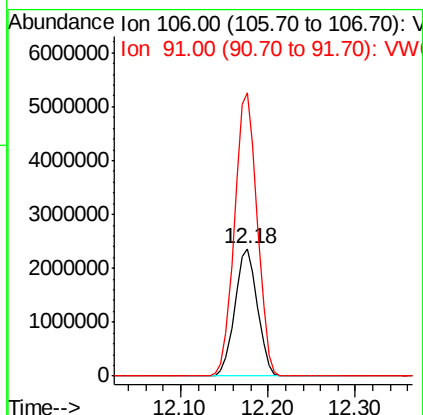
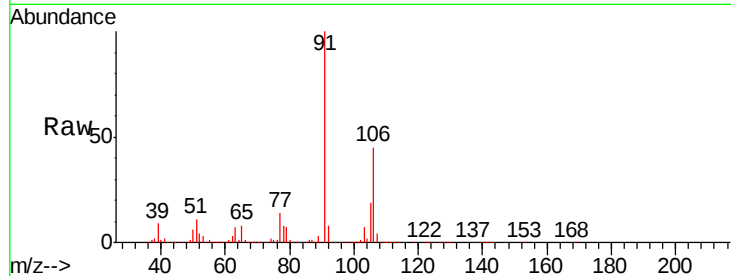
#69
o-Xylene
Concen: 2060.99 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

Instrument :
MSVOA_W
ClientSampled :
AOC2-05

Tgt Ion:106 Resp: 4239077
Ion Ratio Lower Upper
106 100
91 224.0 107.9 323.8

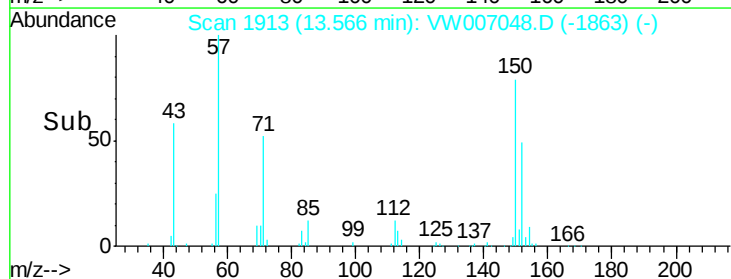
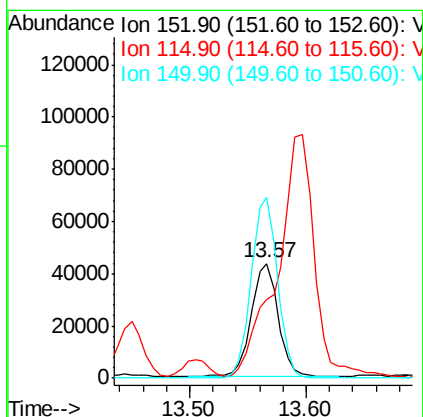
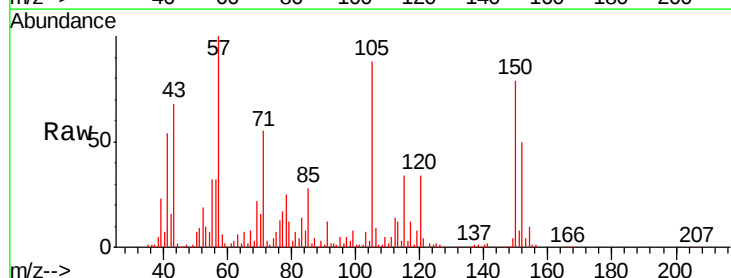
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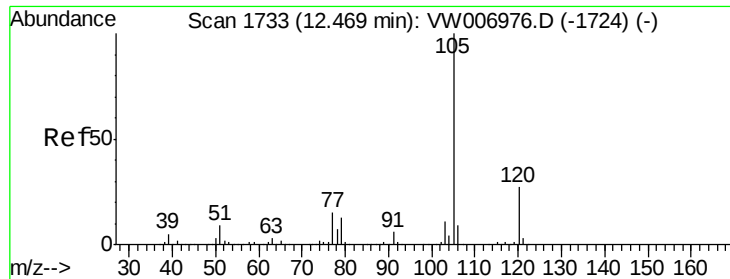
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

Tgt Ion:152 Resp: 70441
Ion Ratio Lower Upper
152 100
115 0.0 31.4 94.2#
150 154.7 0.0 353.4





#73

Isopropylbenzene

Concen: 178.77 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Instrument :

MSVOA_W

ClientSampled :

AOC2-05

Tgt Ion: 105 Resp: 978710

Ion Ratio Lower Upper

105 100

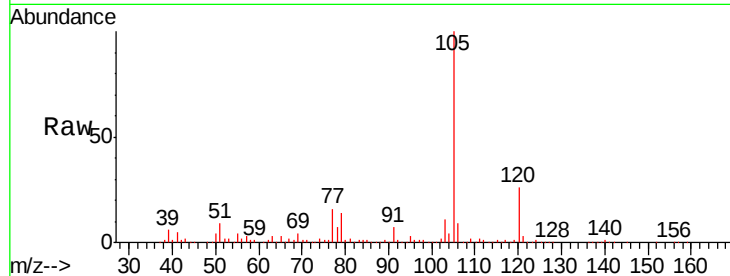
120 26.1 13.3 39.8

Manual Integrations

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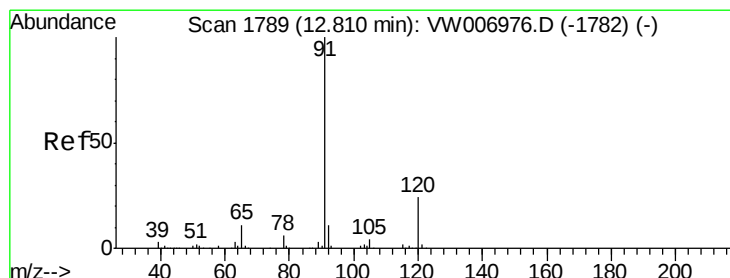
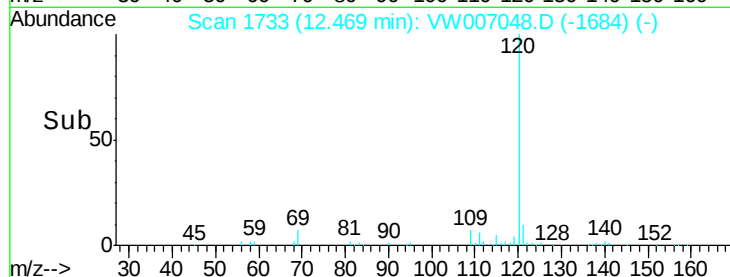
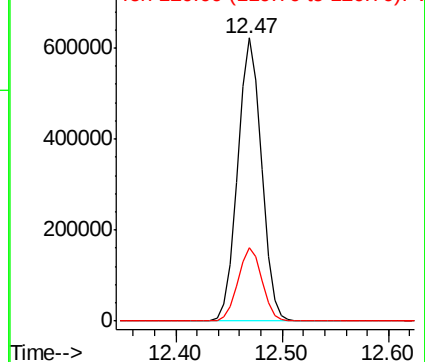
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 645.27 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007048.D

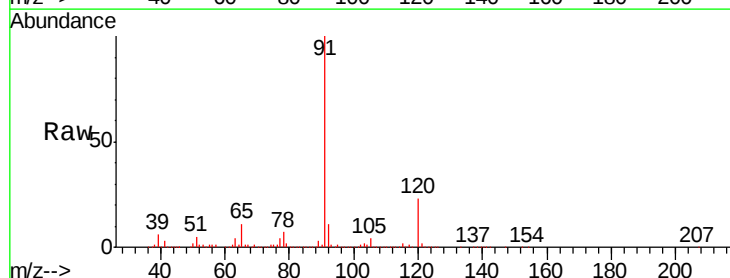
Acq: 26 Nov 2018 15:34

Tgt Ion: 91 Resp: 4279030

Ion Ratio Lower Upper

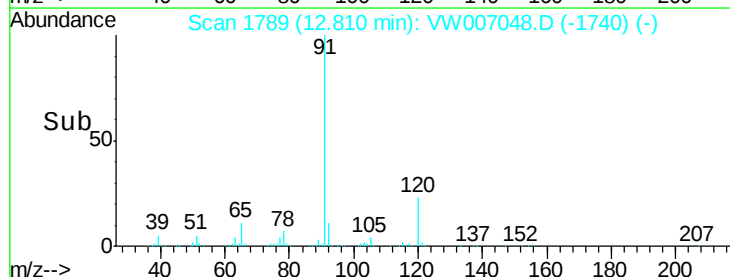
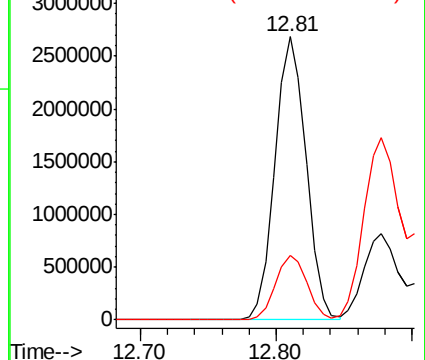
91 100

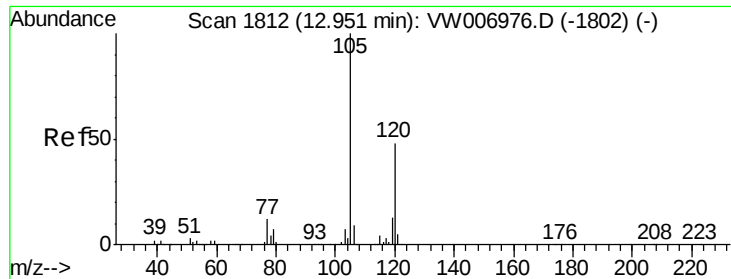
120 23.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





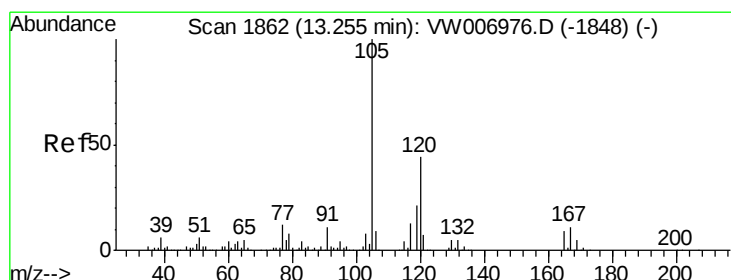
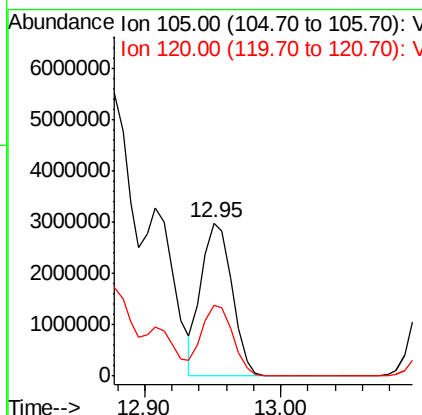
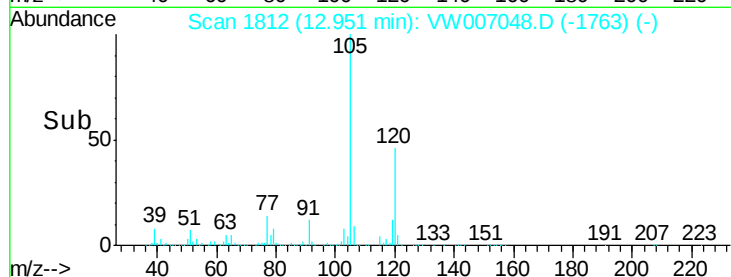
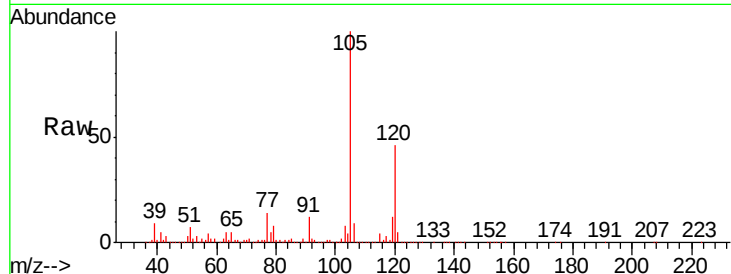
#80
 1,3,5-Trimethylbenzene
 Concen: 988.50 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW007048.D
 Acq: 26 Nov 2018 15:34

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC2-05

Tgt Ion:105 Resp: 4679690
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.8 71.2

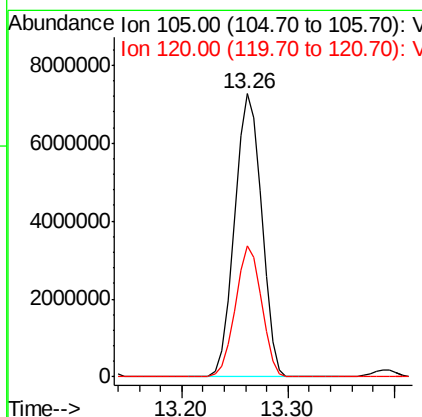
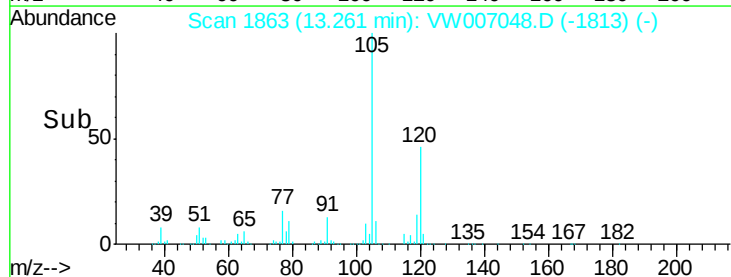
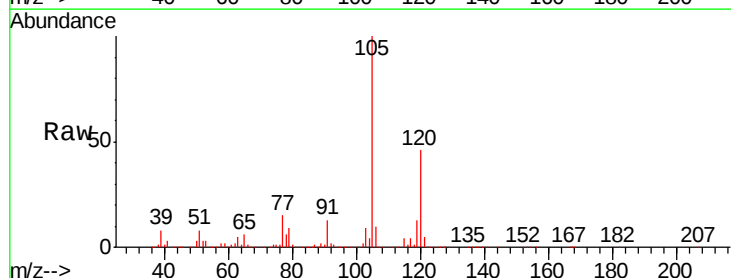
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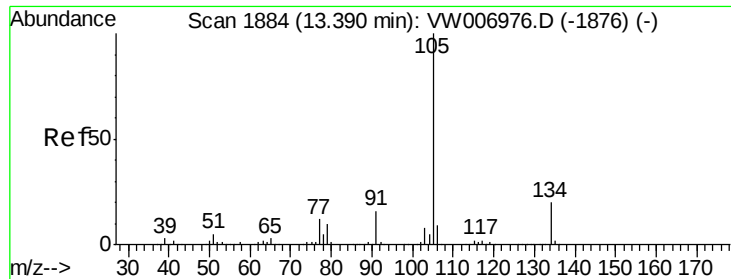
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#84
 1,2,4-Trimethylbenzene
 Concen: 2750.88 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VW007048.D
 Acq: 26 Nov 2018 15:34

Tgt Ion:105 Resp:12974980
 Ion Ratio Lower Upper
 105 100
 120 44.8 21.8 65.3





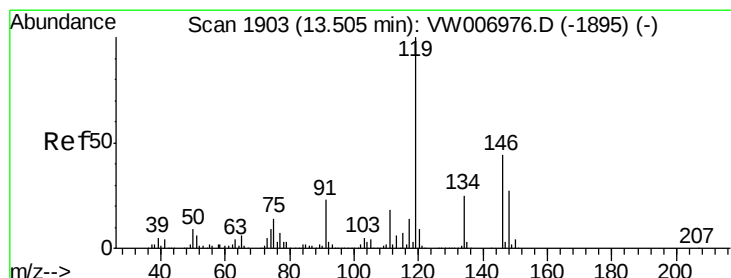
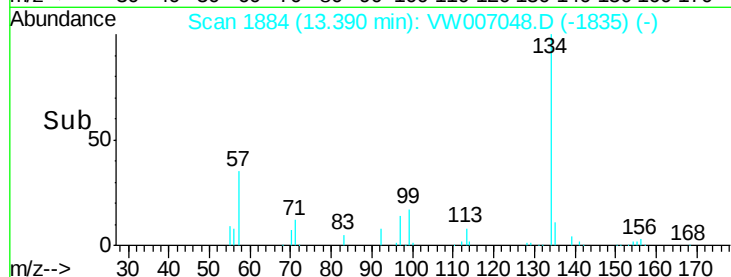
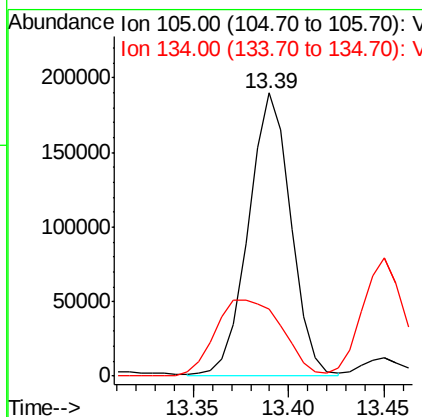
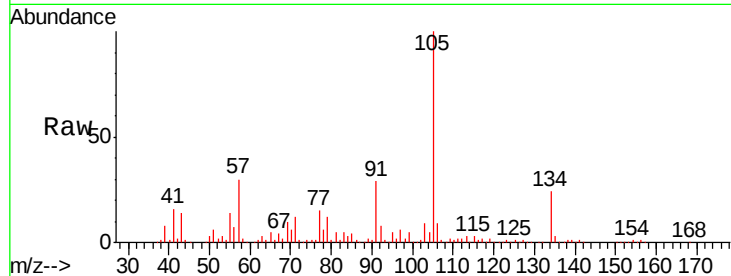
#85
 sec-Butylbenzene
 Concen: 50.81 ug/l m
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007048.D
 Acq: 26 Nov 2018 15:34

Instrument :
 MSVOA_W
 ClientSampled :
 AOC2-05

Tgt Ion:105 Resp: 294201
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#

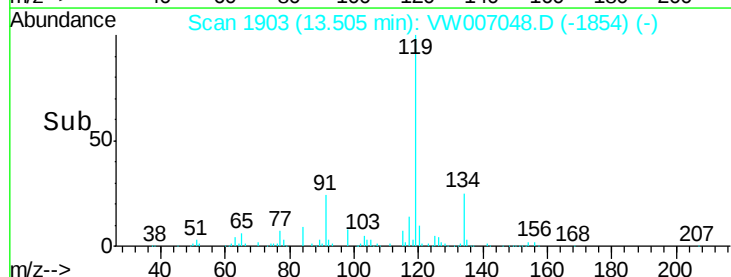
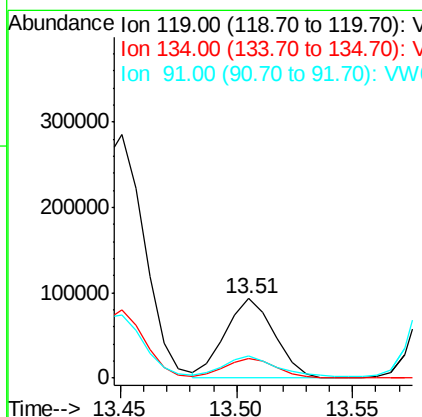
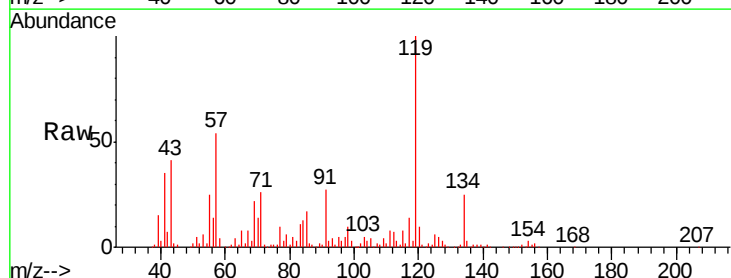
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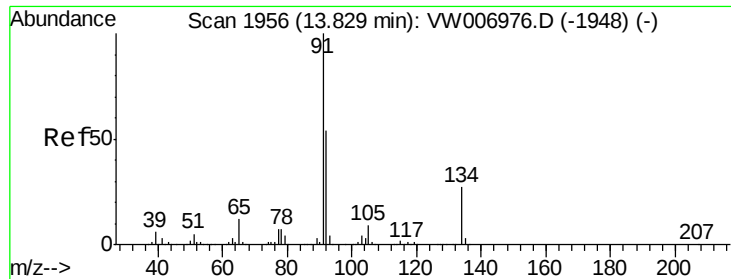
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#86
 p-Isopropyltoluene
 Concen: 27.02 ug/l m
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007048.D
 Acq: 26 Nov 2018 15:34

Tgt Ion:119 Resp: 138029
 Ion Ratio Lower Upper
 119 100
 134 86.4 12.8 38.3#
 91 76.2 12.2 36.6#





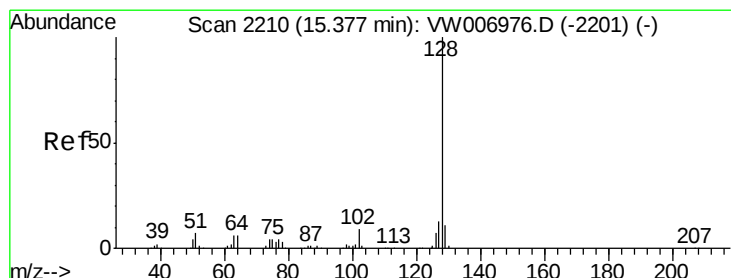
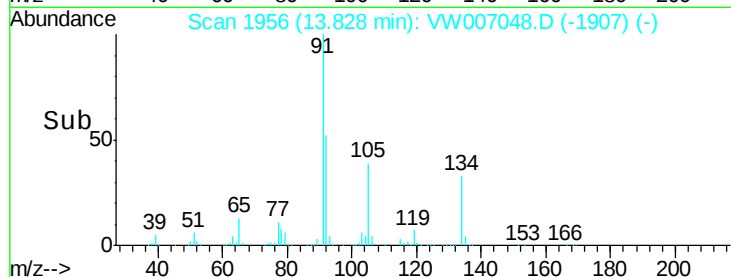
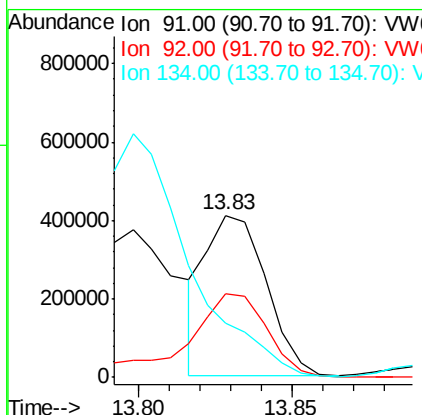
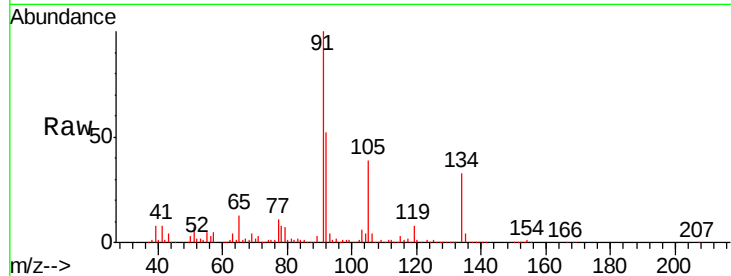
#89
n-Butylbenzene
Concen: 116.75 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

Instrument :
MSVOA_W
ClientSampled :
AOC2-05

Tgt Ion: 91 Resp: 561253
Ion Ratio Lower Upper
91 100
92 68.4 26.8 80.4
134 0.0 13.3 39.8#

Manual Integrations
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#95
Naphthalene
Concen: 739.18 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

Tgt Ion: 128 Resp: 1861074
Ion Ratio Lower Upper
128 100
127 13.6 10.5 15.7
129 10.9 8.7 13.1

