

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
 Data File : VW006215.D
 Acq On : 19 Oct 2018 10:22
 Operator : VA/AP
 Sample : J5204-07
 Misc : 6.98G/5ML/MSVOA_W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-101718-B

Manual Integrations
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Quant Time: Oct 19 13:41:41 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	215687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	339167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	286369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	130651	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	105371	58.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.86%	
35) Dibromofluoromethane	7.88	113	104270	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
50) Toluene-d8	10.33	98	379313	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.62	95	135659	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1726	1.78	ug/l	85
16) Acetone	4.15	43	29651	78.21	ug/l	95
20) Methylene Chloride	4.92	84	20574	9.56	ug/l	94
25) 2-Butanone	7.20	43	6805	14.09	ug/l	98
39) Methylcyclohexane	9.34	83	114793	27.62	ug/l	95
67) Ethyl Benzene	11.74	91	54830	5.16	ug/l	100
68) m/p-Xylenes	11.84	106	11743	2.80	ug/l	90
69) o-Xylene	12.17	106	18050	4.51	ug/l	87
73) Isopropylbenzene	12.47	105	41595	4.51	ug/l	99
78) n-propylbenzene	12.81	91	24381	2.27	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	66574	8.56	ug/l	99
83) tert-Butylbenzene	13.21	119	13438	1.93	ug/l	87
84) 1,2,4-Trimethylbenzene	13.26	105	233016	29.59	ug/l	99
85) sec-Butylbenzene	13.39	105	51782	5.26	ug/l #	63
86) p-Isopropyltoluene	13.51	119	369813	41.57	ug/l	100
89) n-Butylbenzene	13.83	91	16845m	2.07	ug/l	
95) Naphthalene	15.38	128	3604998	701.78	ug/l	99

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

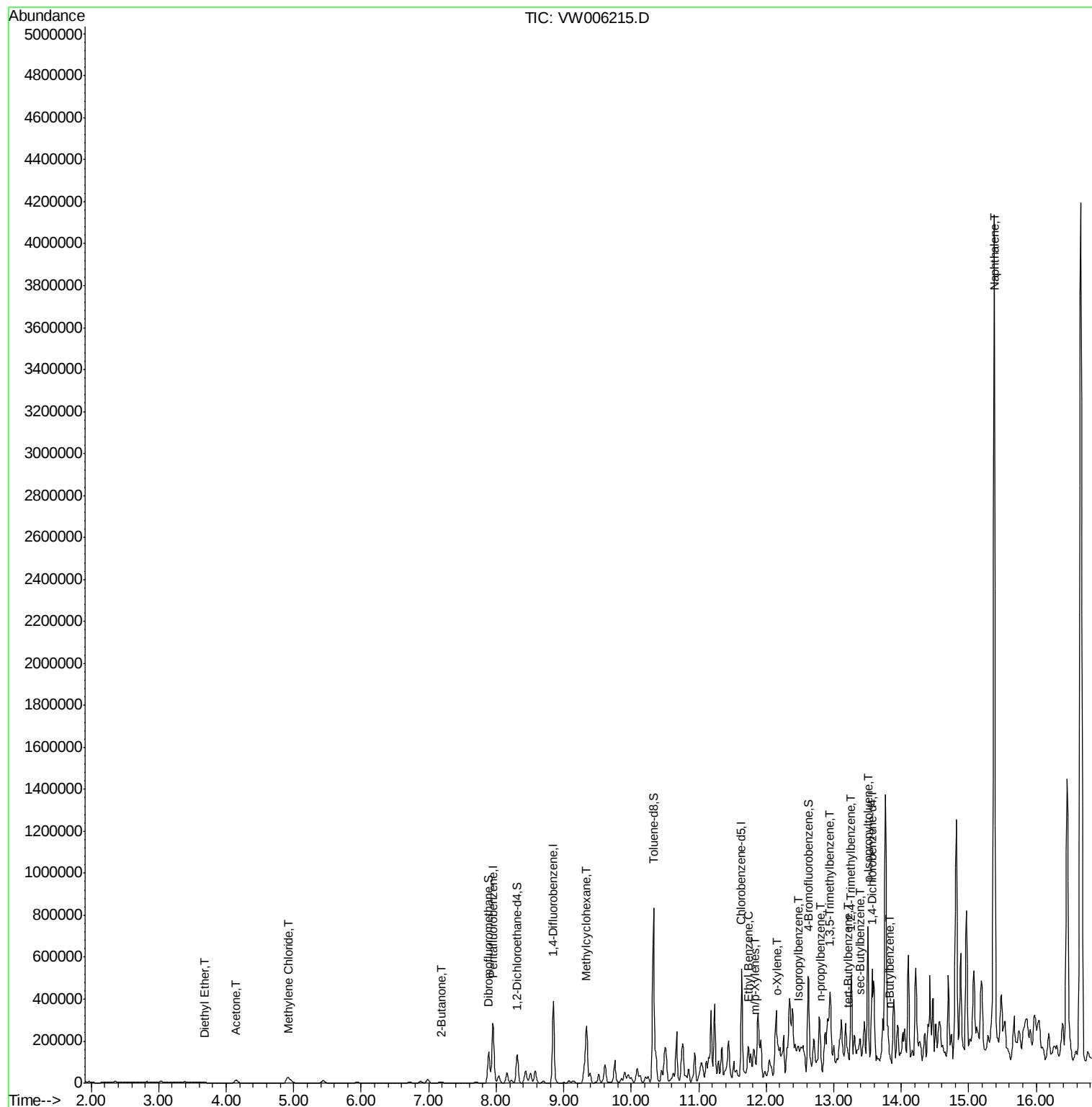
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
Data File : VW006215.D
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Operator : VA/AP
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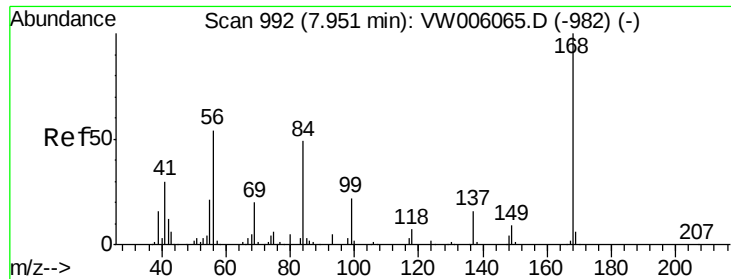
Instrument :
MSVOA_W
ClientSampleId :
SU-03-101718-B

Quant Time: Oct 19 13:41:41 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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006215.D

Acq: 19 Oct 2018 10:22

Instrument :

MSVOA_W

ClientSampleId :

SU-03-101718-B

Tgt Ion:168 Resp: 215687

Ion Ratio Lower Upper

168 100

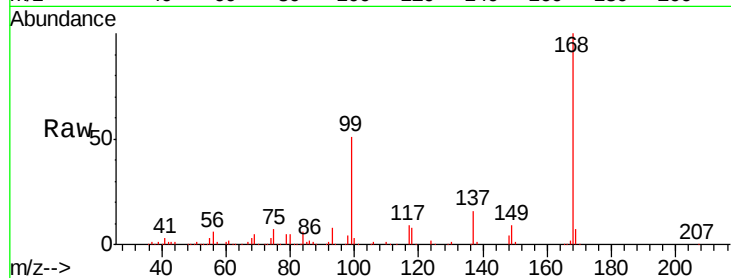
99 51.2 39.9 59.9

Manual Integrations

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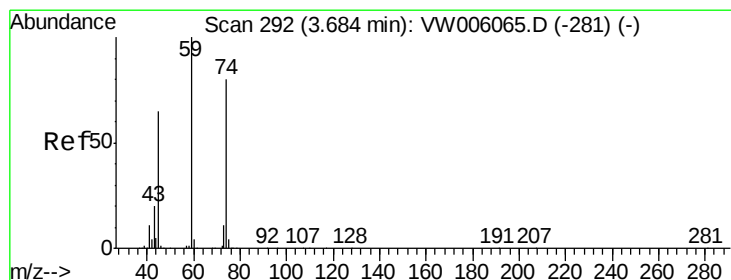
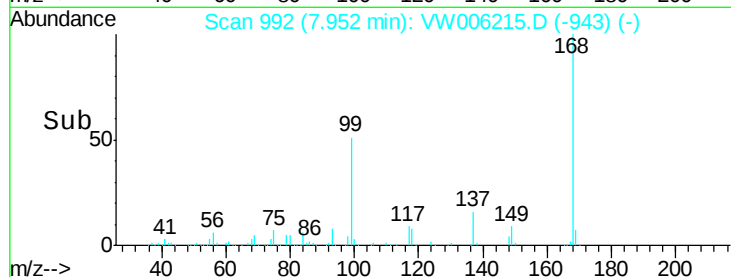
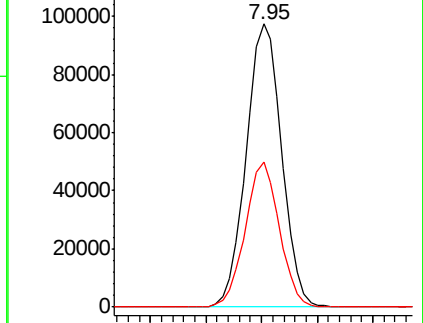
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.78 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW006215.D

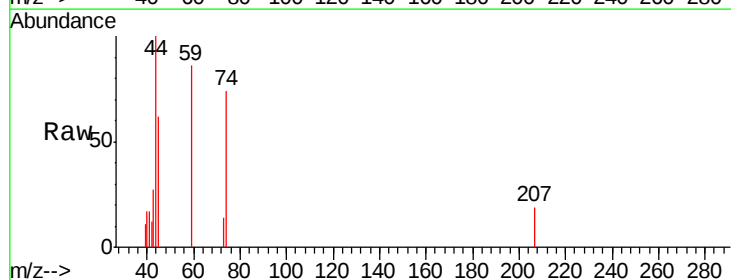
Acq: 19 Oct 2018 10:22

Tgt Ion: 74 Resp: 1726

Ion Ratio Lower Upper

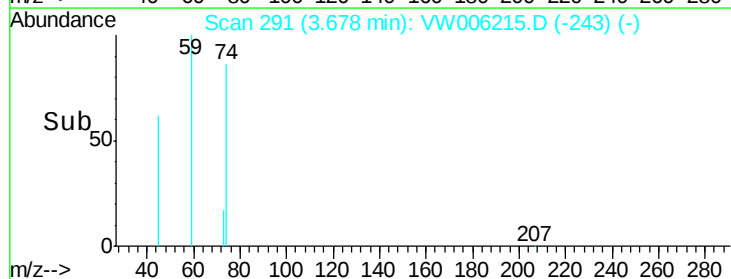
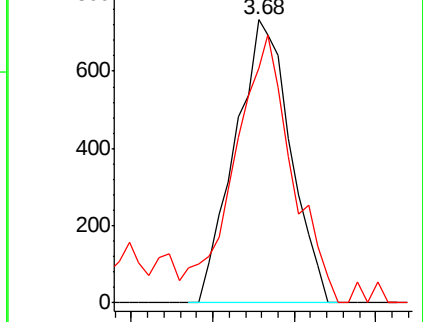
74 100

45 99.3 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 78.21 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006215.D

Acq: 19 Oct 2018 10:22

Instrument :

MSVOA_W

ClientSampleId :

SU-03-101718-B

Tgt Ion: 43 Resp: 29651

Ion Ratio Lower Upper

43 100

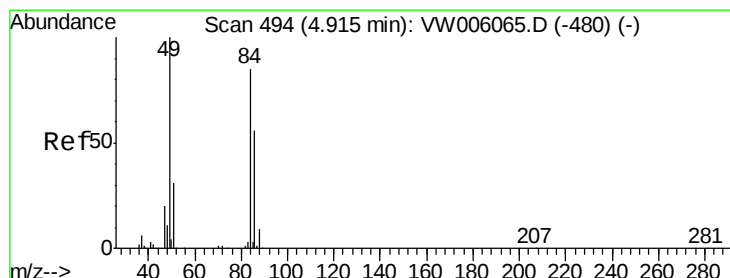
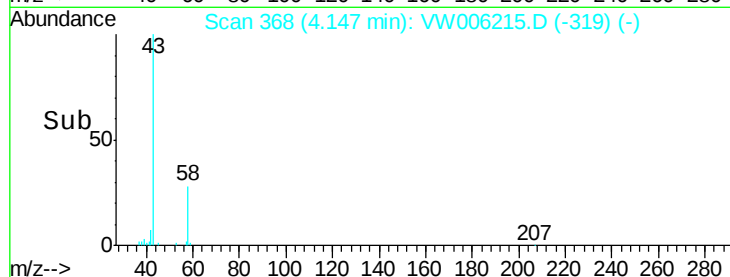
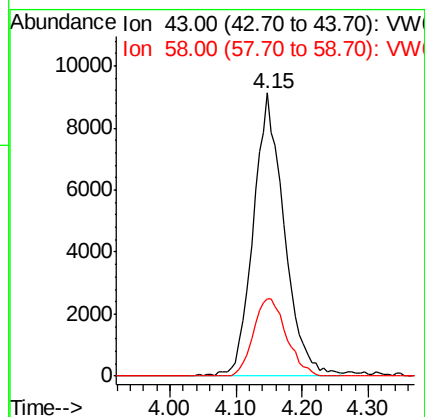
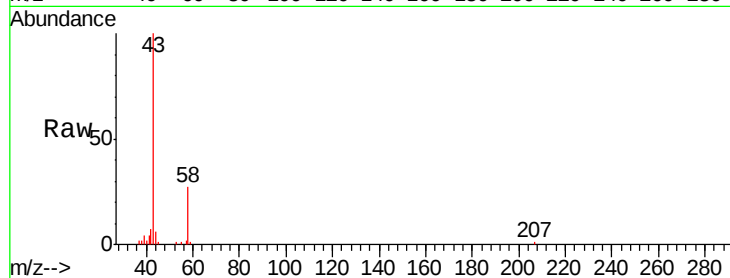
58 27.4 24.0 36.0

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#20

Methylene Chloride

Concen: 9.56 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006215.D

Acq: 19 Oct 2018 10:22

Tgt Ion: 84 Resp: 20574

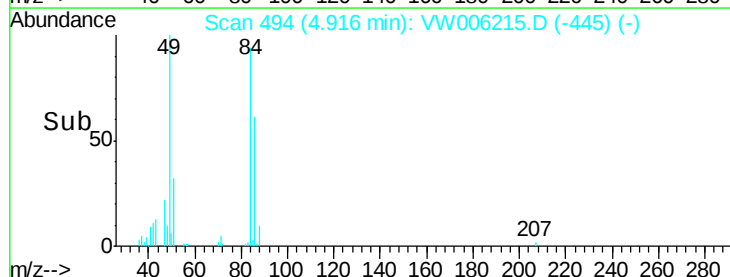
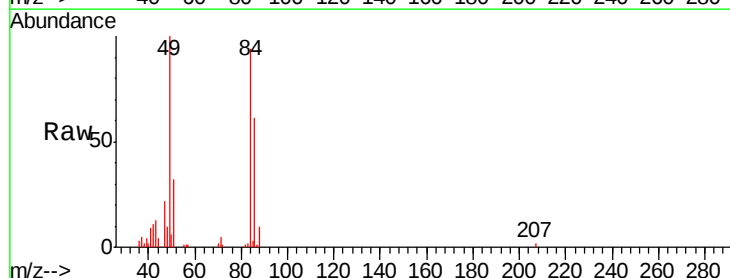
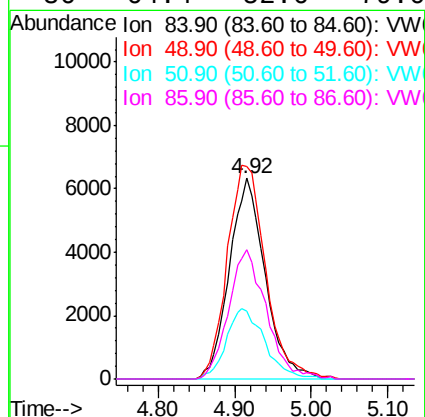
Ion Ratio Lower Upper

84 100

49 106.3 93.6 140.4

51 33.9 29.0 43.4

86 64.4 52.6 79.0





#25

2-Butanone

Concen: 14.09 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.01 min

Lab File: VW006215.D

Acq: 19 Oct 2018 10:22

Instrument :

MSVOA_W

ClientSampleId :

SU-03-101718-B

Tgt Ion: 43 Resp: 6805

Ion Ratio Lower Upper

43 100

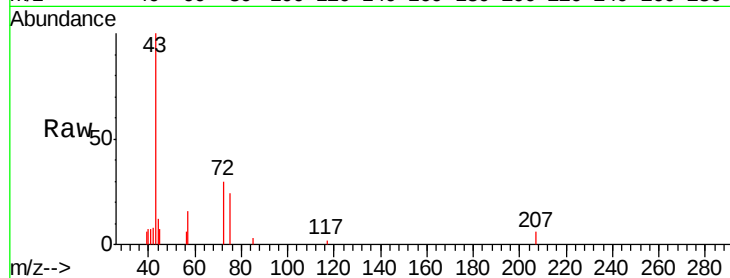
72 29.5 22.8 34.2

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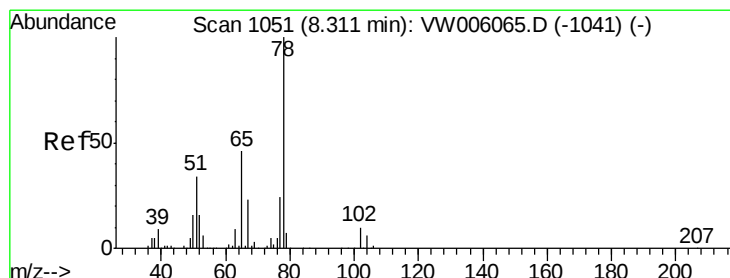
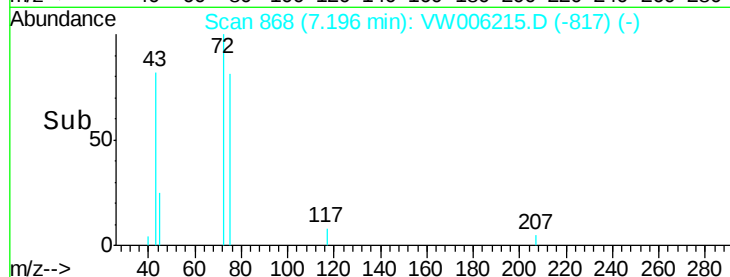
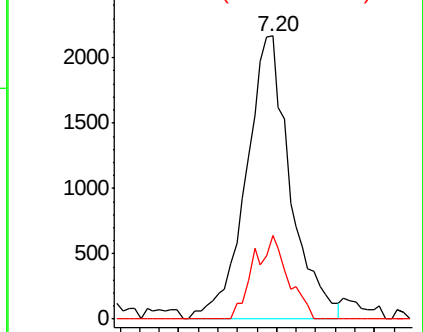
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#33

1,2-Dichloroethane-d4

Concen: 58.93 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006215.D

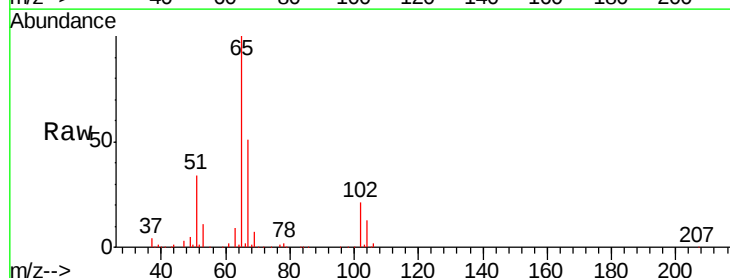
Acq: 19 Oct 2018 10:22

Tgt Ion: 65 Resp: 105371

Ion Ratio Lower Upper

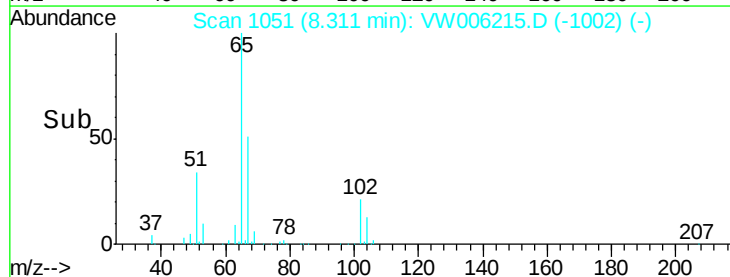
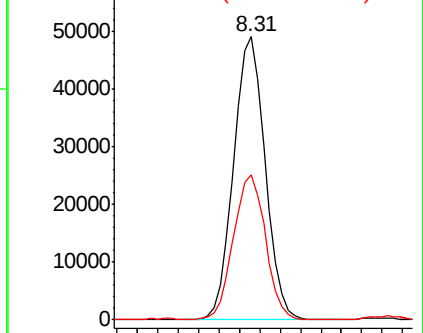
65 100

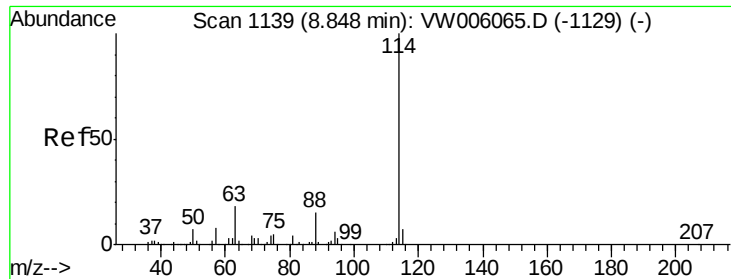
67 52.1 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





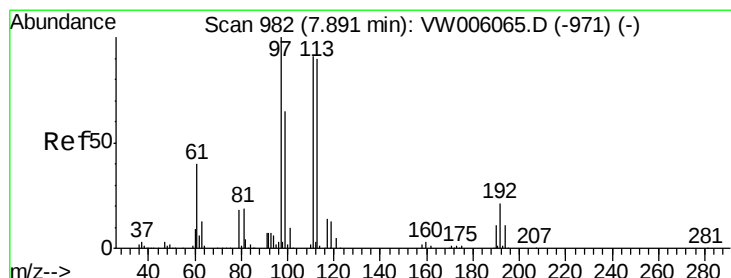
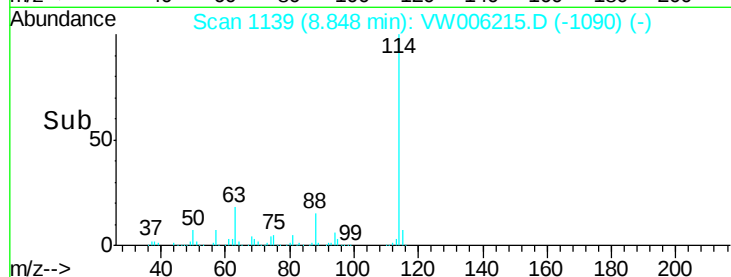
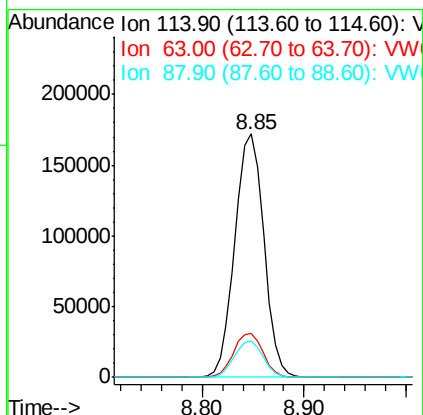
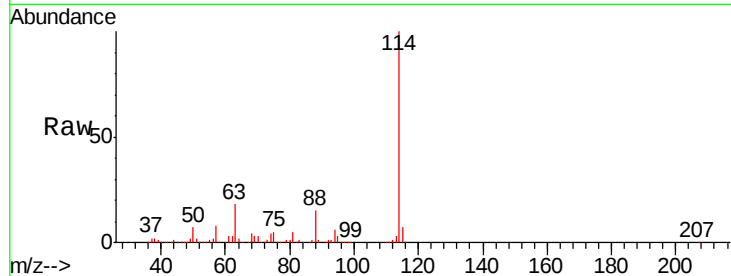
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006215.D
 Acq: 19 Oct 2018 10:22

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-101718-B

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	339167		
63	18.0	0.0	36.8	
88	14.8	0.0	29.0	

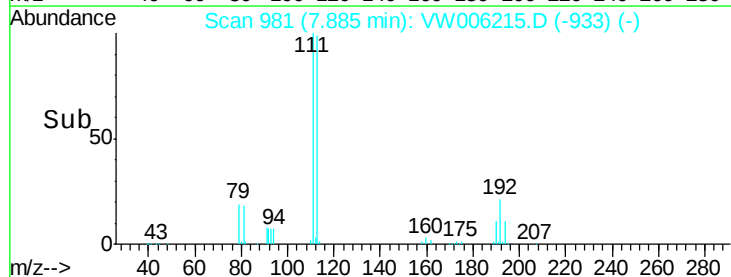
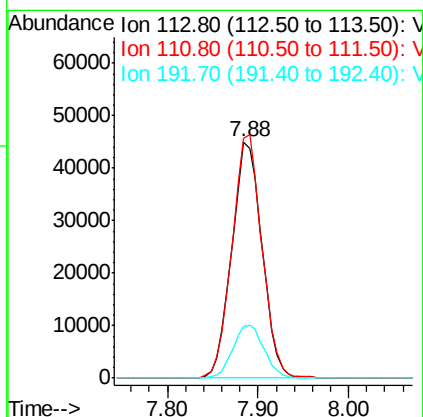
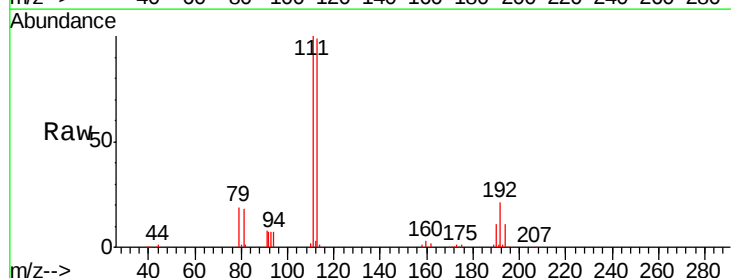
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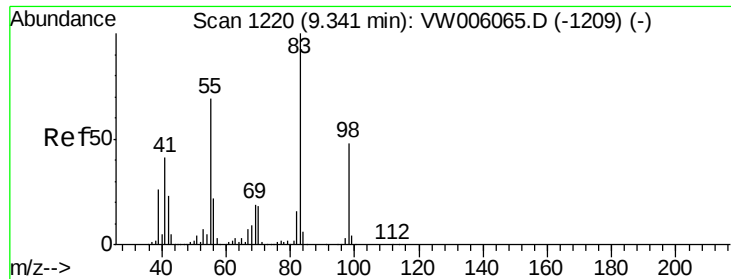
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#35
 Dibromofluoromethane
 Concen: 52.03 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006215.D
 Acq: 19 Oct 2018 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	104270		
111	101.9	81.4	122.0	
192	22.9	18.7	28.1	





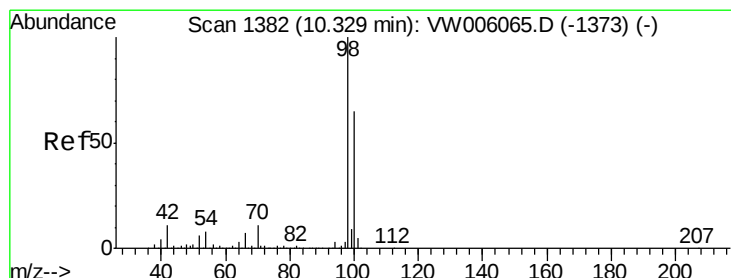
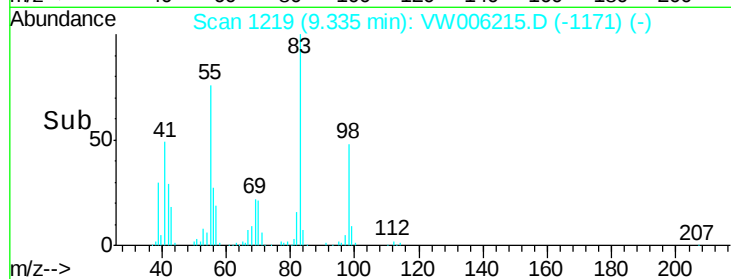
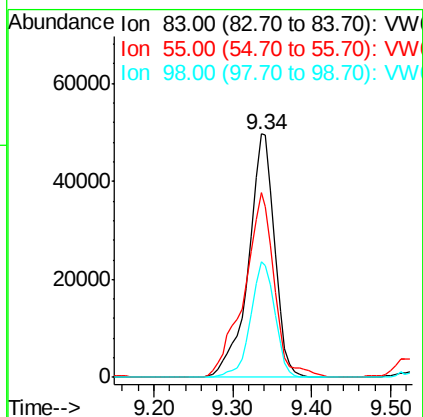
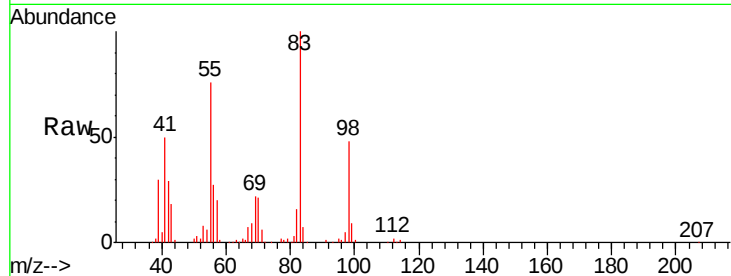
#39
Methylcyclohexane
Concen: 27.62 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006215.D
Acq: 19 Oct 2018 10:22

Instrument :
MSVOA_W
ClientSampleId :
SU-03-101718-B

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.8	55.0	82.6
98	47.7	38.6	57.8

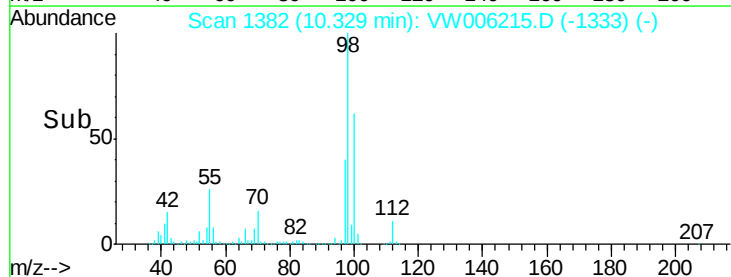
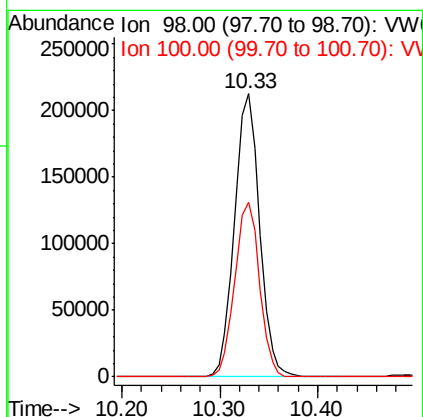
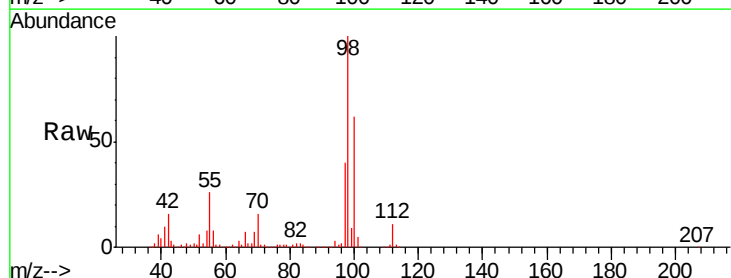
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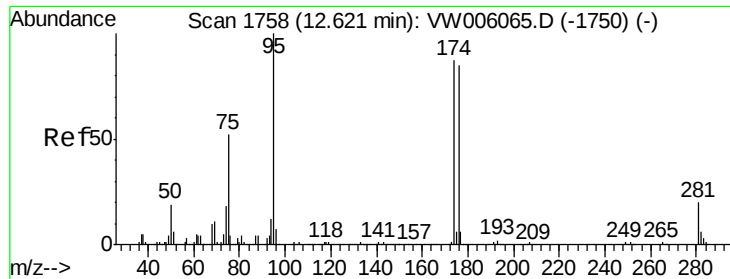
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#50
Toluene-d8
Concen: 49.75 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006215.D
Acq: 19 Oct 2018 10:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	60.9	51.6	77.4





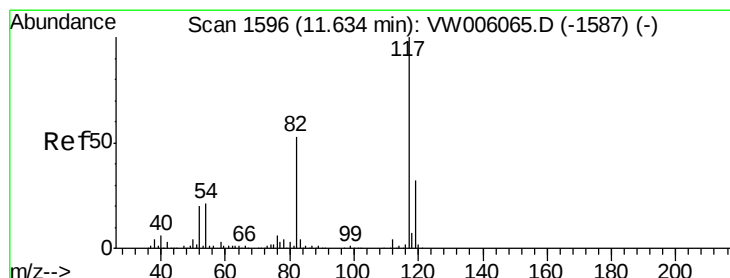
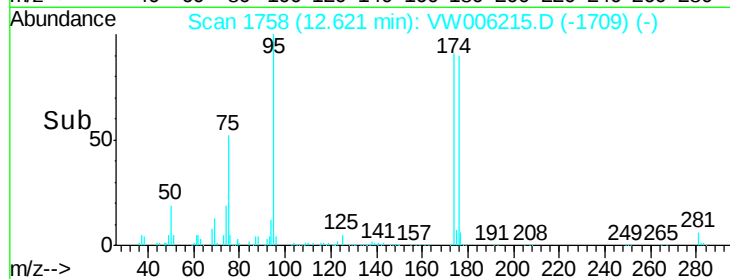
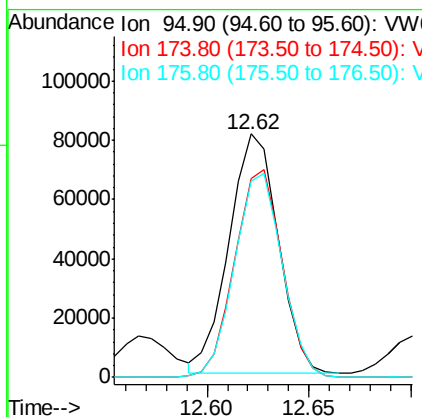
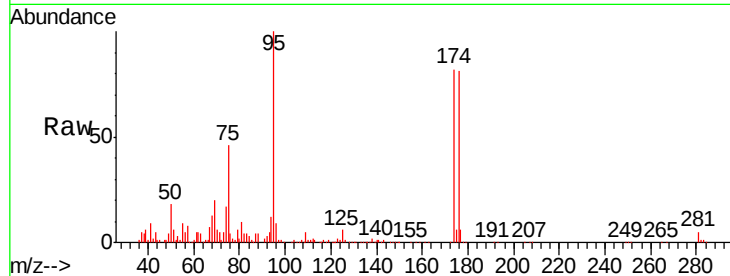
#62
4-Bromofluorobenzene
Concen: 47.37 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006215.D
Acq: 19 Oct 2018 10:22

Instrument :
MSVOA_W
ClientSampleId :
SU-03-101718-B

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	135659		
174	84.2	0.0	186.0	
176	82.6	0.0	181.6	

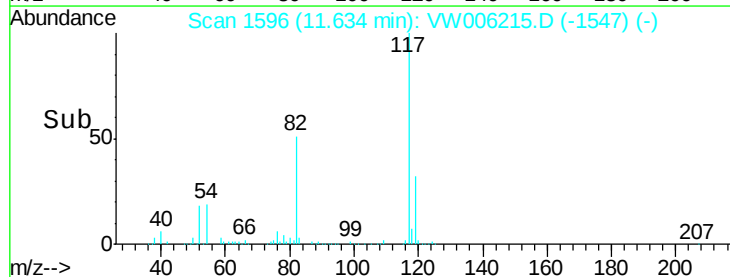
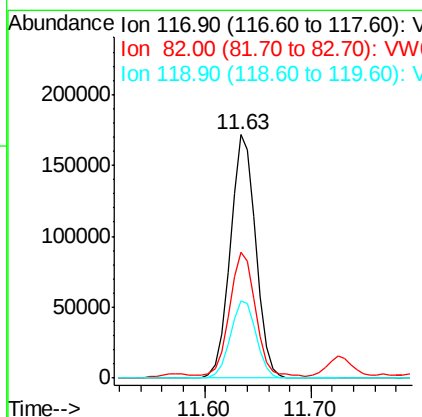
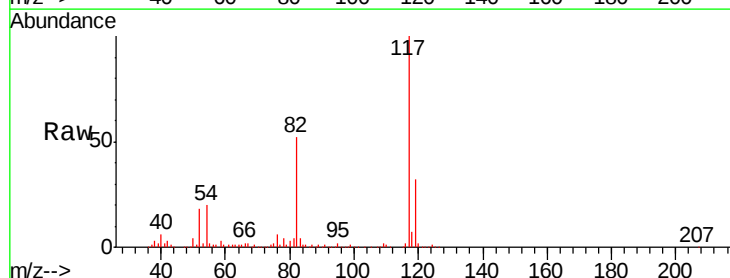
Manual Integrations
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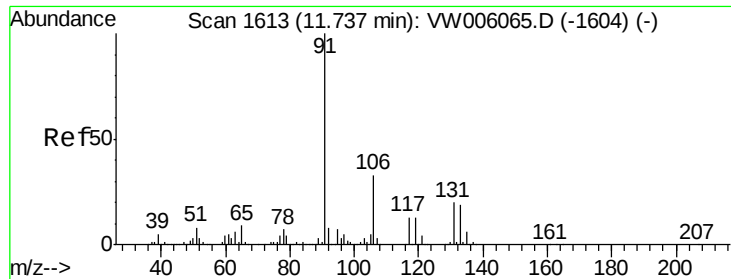
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006215.D
Acq: 19 Oct 2018 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	286369		
82	50.4	42.1	63.1	
119	31.5	25.8	38.6	





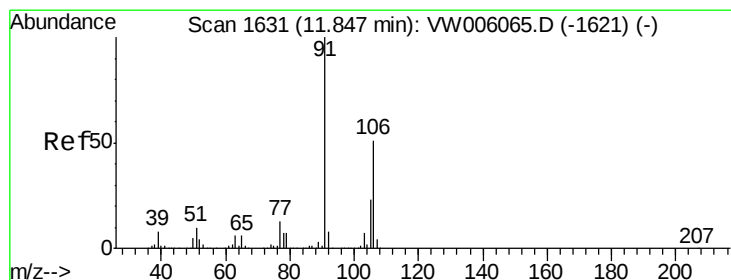
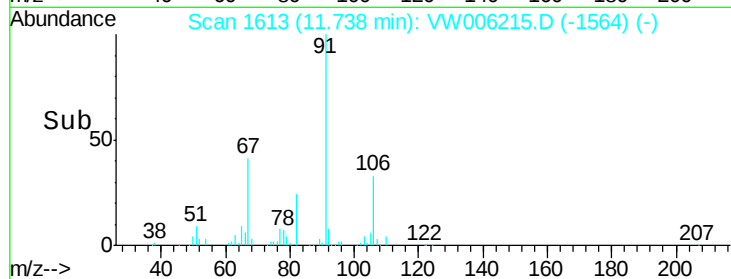
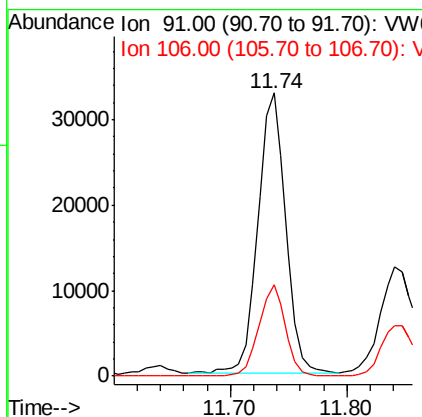
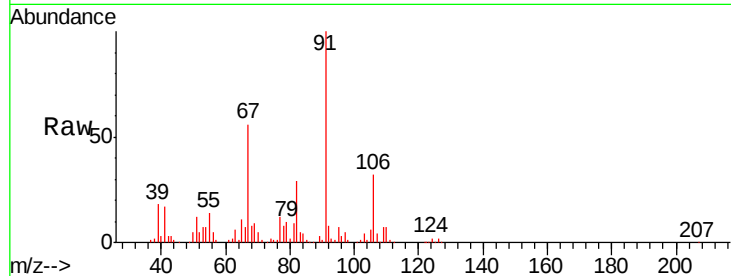
#67
Ethyl Benzene
Concen: 5.16 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006215.D
Acq: 19 Oct 2018 10:22

Instrument :
MSVOA_W
ClientSampleId :
SU-03-101718-B

Tgt Ion: 91 Resp: 54830
Ion Ratio Lower Upper
91 100
106 32.6 26.1 39.1

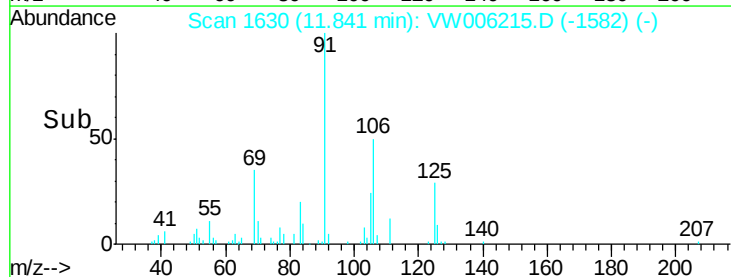
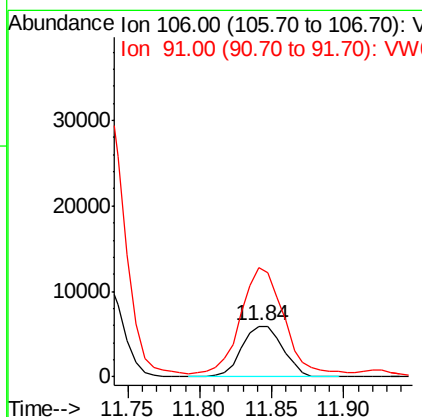
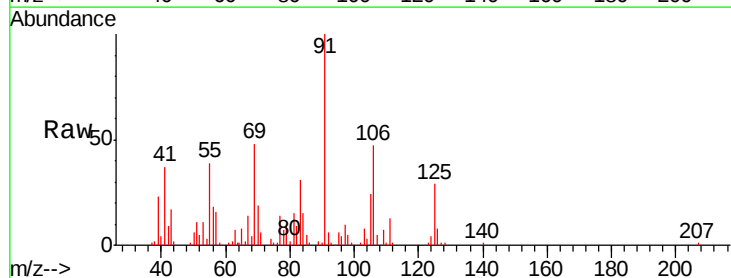
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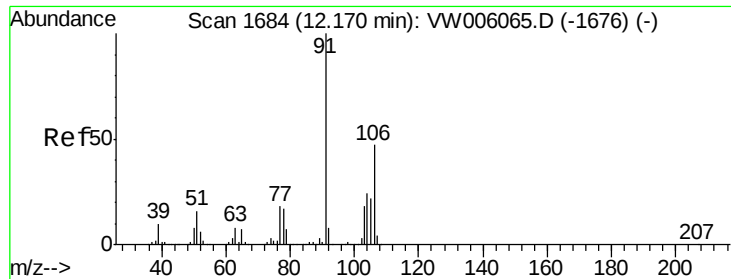
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#68
m/p-Xylenes
Concen: 2.80 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006215.D
Acq: 19 Oct 2018 10:22

Tgt Ion: 106 Resp: 11743
Ion Ratio Lower Upper
106 100
91 213.7 159.1 238.7





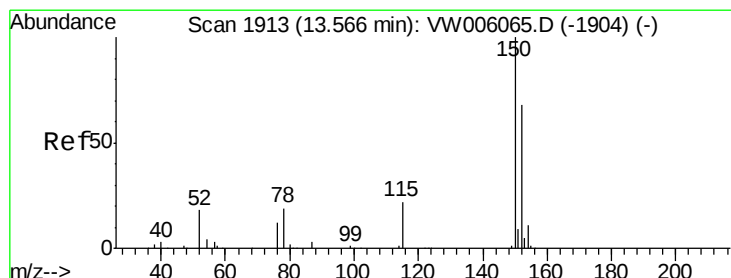
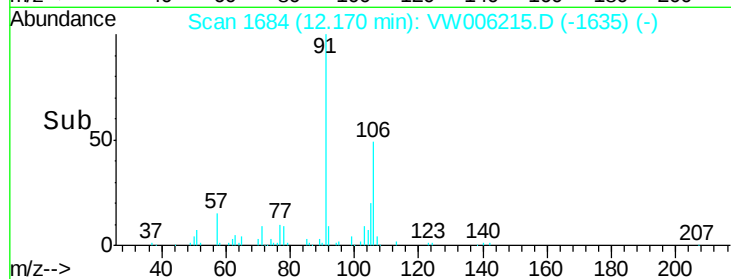
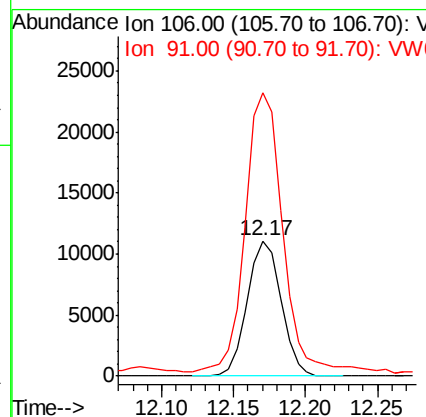
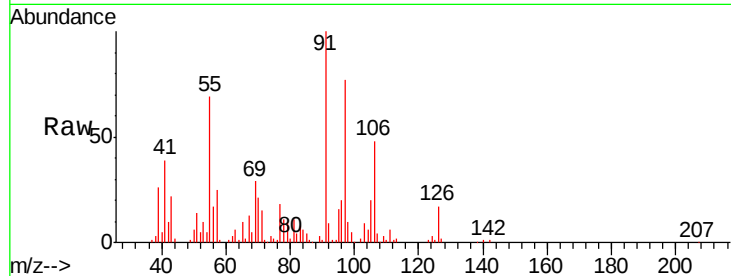
#69
o-Xylene
Concen: 4.51 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006215.D
Acq: 19 Oct 2018 10:22

Instrument :
MSVOA_W
ClientSampled :
SU-03-101718-B

Tgt Ion:106 Resp: 18050
Ion Ratio Lower Upper
106 100
91 230.4 105.4 316.1

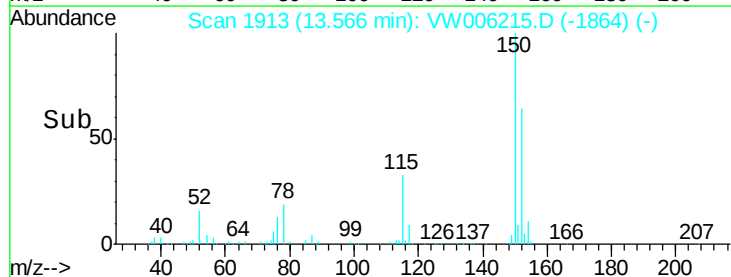
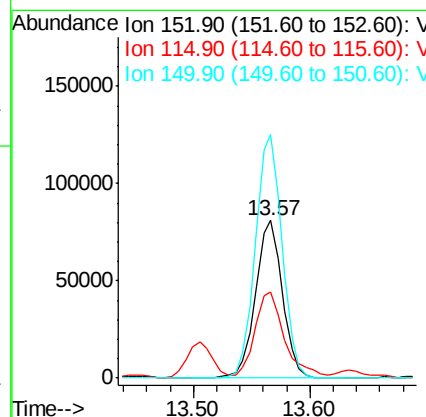
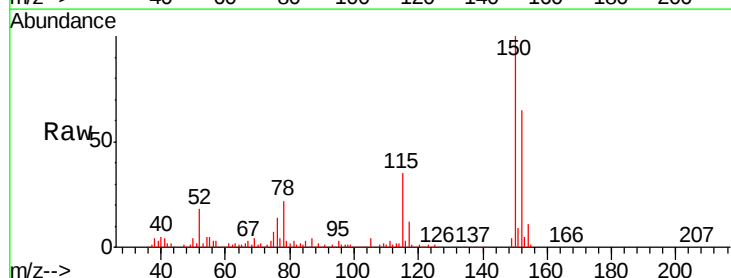
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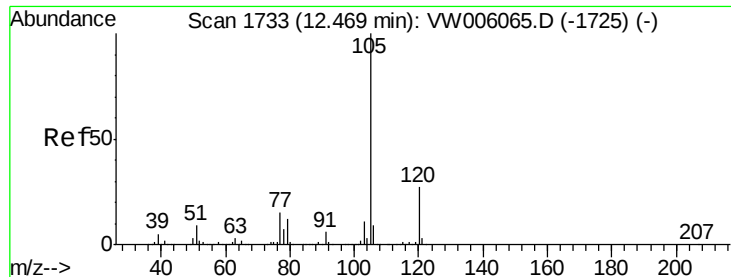
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006215.D
Acq: 19 Oct 2018 10:22

Tgt Ion:152 Resp: 130651
Ion Ratio Lower Upper
152 100
115 59.0 27.8 83.3
150 152.4 0.0 349.2





#73

Isopropylbenzene

Concen: 4.51 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006215.D

Acq: 19 Oct 2018 10:22

Instrument :

MSVOA_W

ClientSampleId :

SU-03-101718-B

Tgt Ion: 105 Resp: 41595

Ion Ratio Lower Upper

105 100

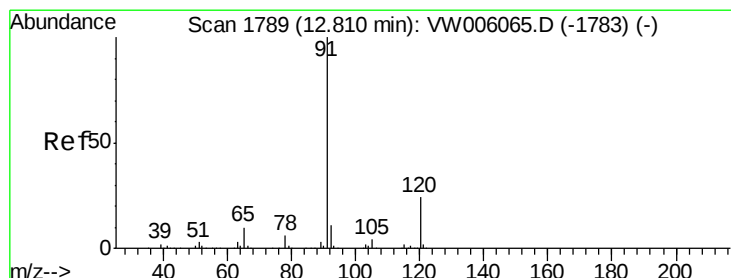
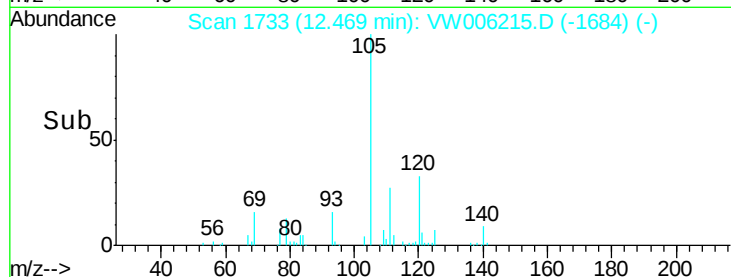
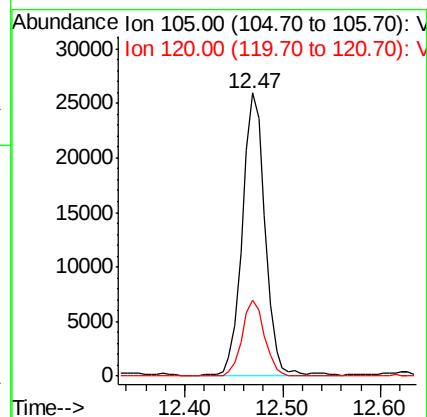
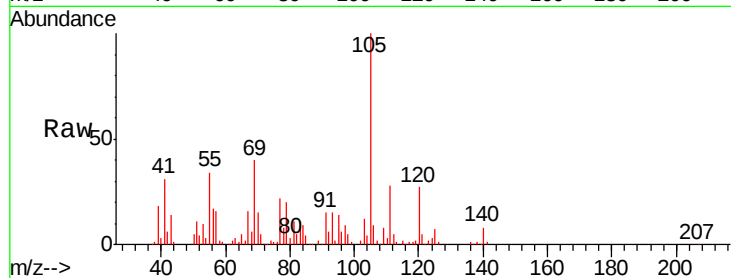
120 26.5 13.6 40.7

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#78

n-propylbenzene

Concen: 2.27 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006215.D

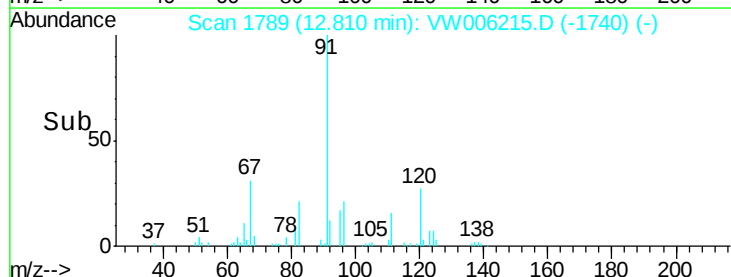
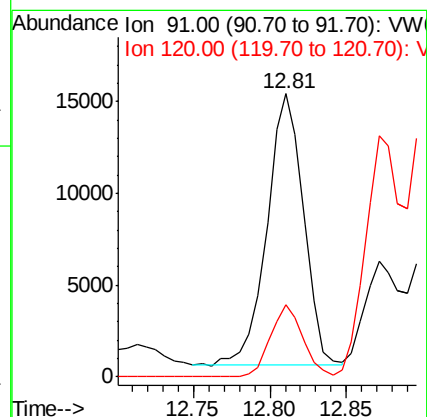
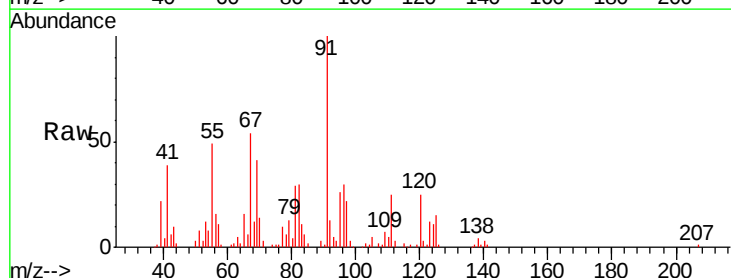
Acq: 19 Oct 2018 10:22

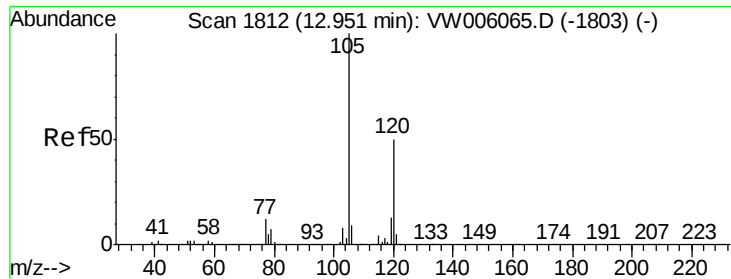
Tgt Ion: 91 Resp: 24381

Ion Ratio Lower Upper

91 100

120 23.6 12.2 36.6





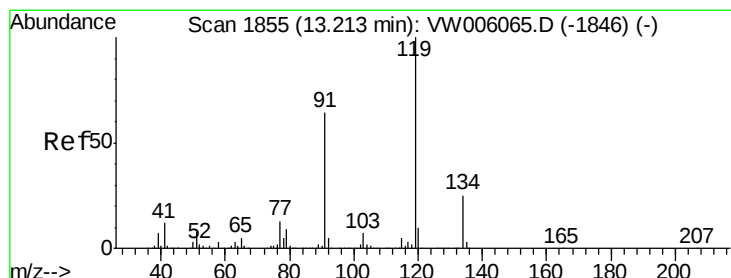
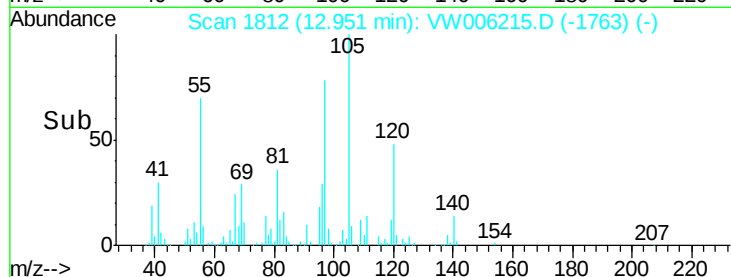
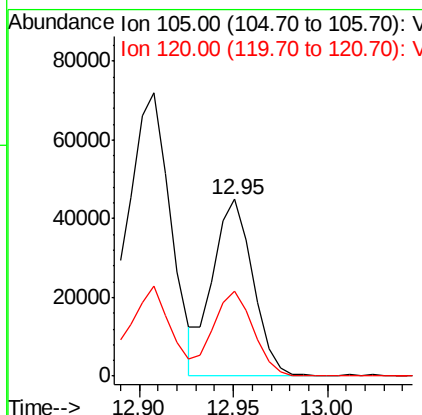
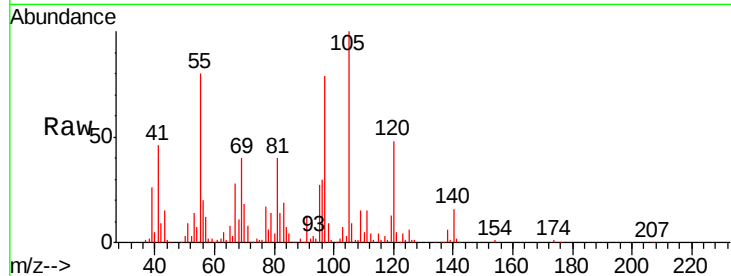
#80
 1,3,5-Trimethylbenzene
 Concen: 8.56 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006215.D
 Acq: 19 Oct 2018 10:22

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-101718-B

Tgt Ion:105 Resp: 66574
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.9 74.6

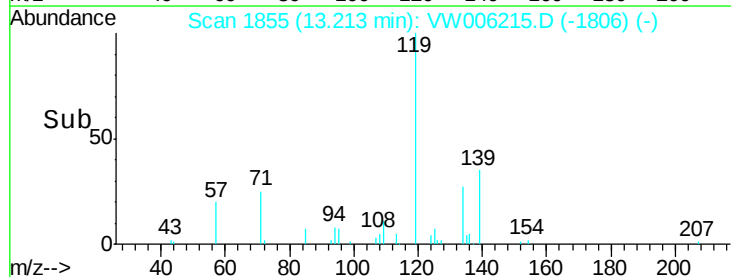
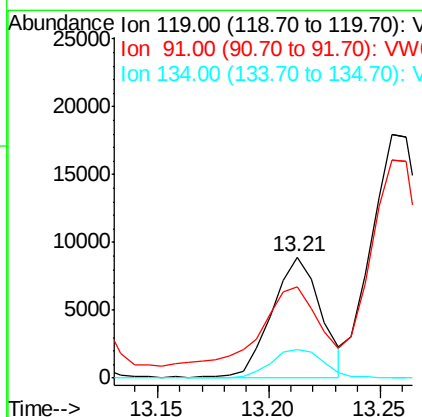
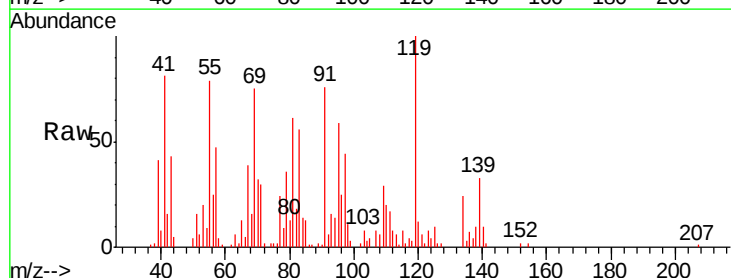
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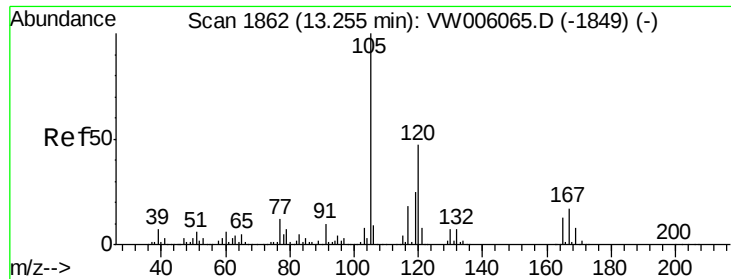
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#83
 tert-Butylbenzene
 Concen: 1.93 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006215.D
 Acq: 19 Oct 2018 10:22

Tgt Ion:119 Resp: 13438
 Ion Ratio Lower Upper
 119 100
 91 78.9 32.3 96.9
 134 26.0 13.6 40.8





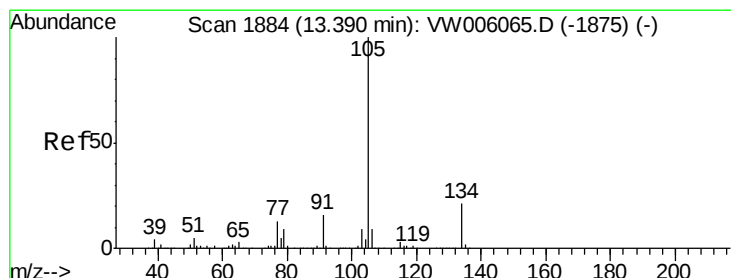
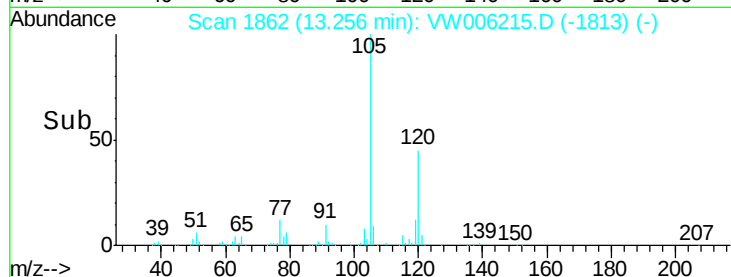
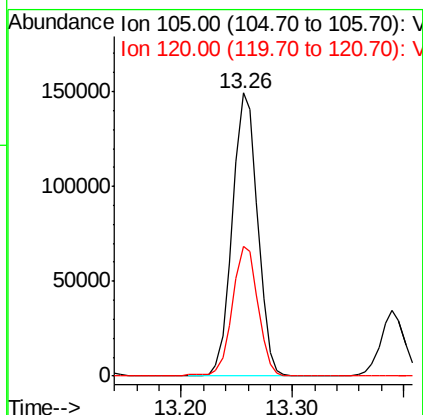
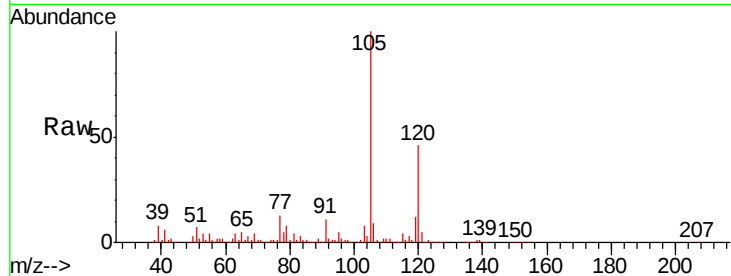
#84
1,2,4-Trimethylbenzene
Concen: 29.59 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006215.D
Acq: 19 Oct 2018 10:22

Instrument :
MSVOA_W
ClientSampleId :
SU-03-101718-B

Tgt Ion:105 Resp: 233016
Ion Ratio Lower Upper
105 100
120 46.9 23.1 69.3

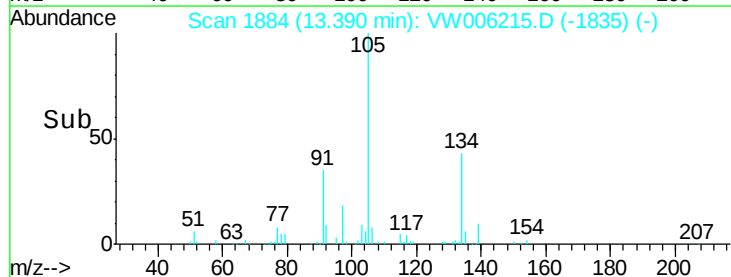
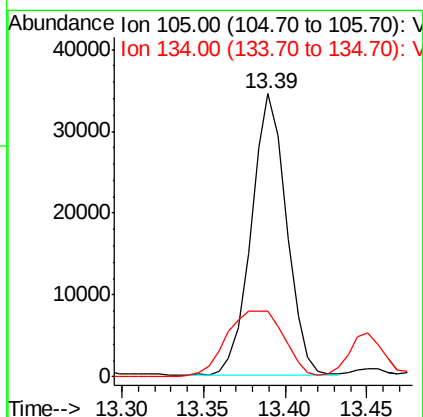
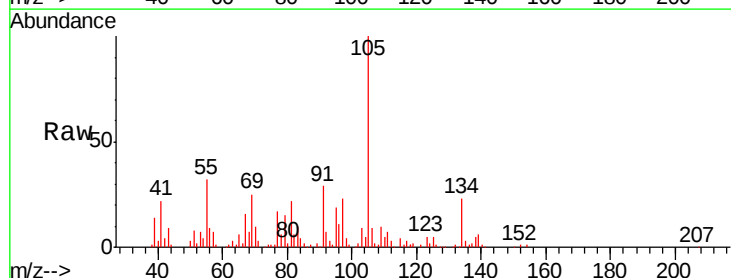
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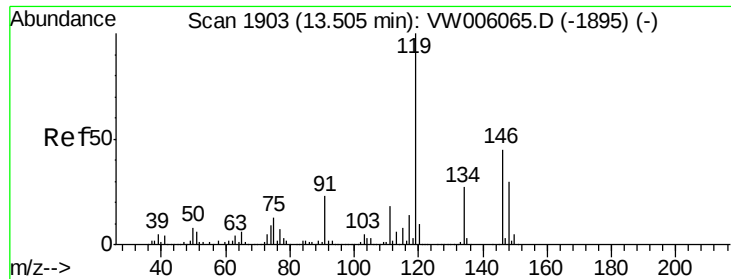
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#85
sec-Butylbenzene
Concen: 5.26 ug/l
RT: 13.39 min Scan# 1884
Delta R.T. 0.00 min
Lab File: VW006215.D
Acq: 19 Oct 2018 10:22

Tgt Ion:105 Resp: 51782
Ion Ratio Lower Upper
105 100
134 38.4 10.5 31.6#





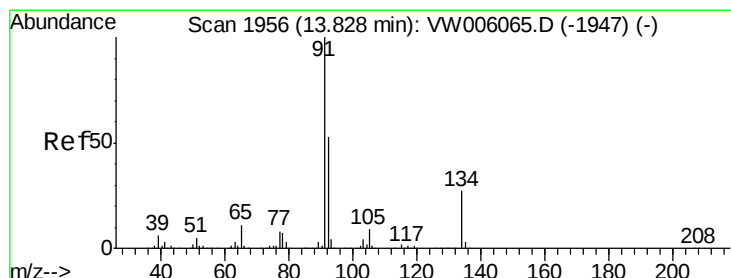
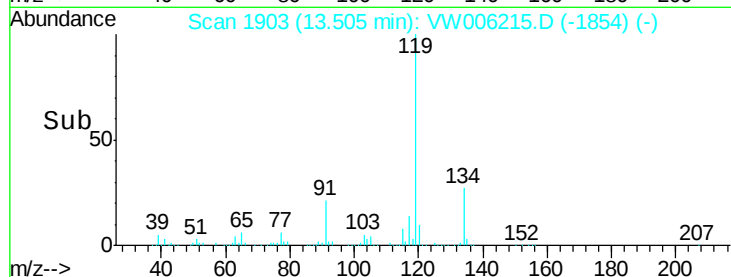
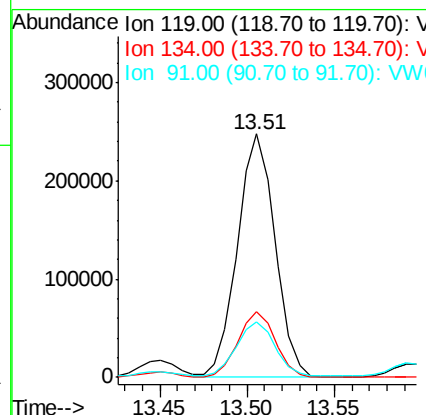
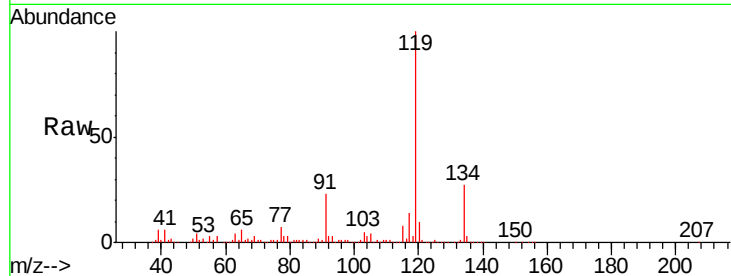
#86
p-Isopropyltoluene
Concen: 41.57 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW006215.D
Acq: 19 Oct 2018 10:22

Instrument :
MSVOA_W
ClientSampleId :
SU-03-101718-B

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	369813		
134	26.9		13.4	40.2
91	23.1		11.4	34.1

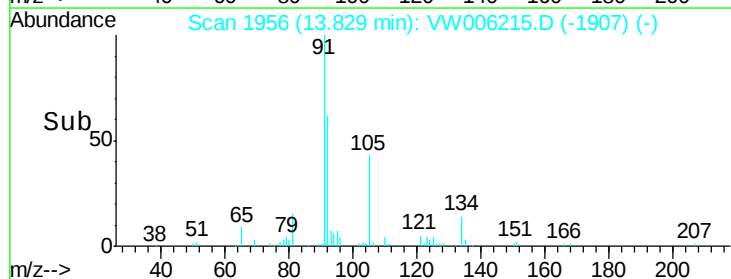
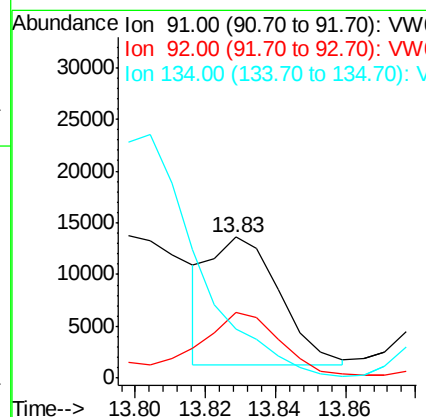
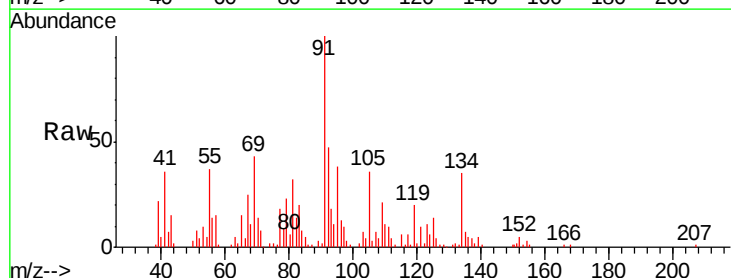
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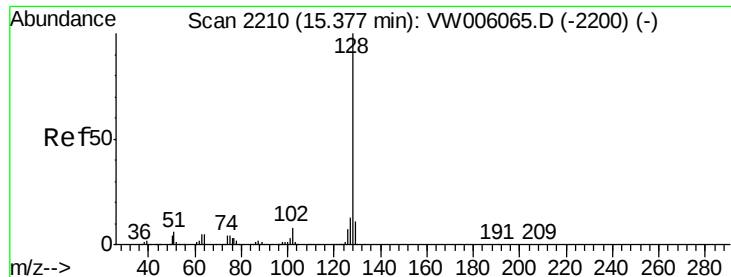
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#89
n-Butylbenzene
Concen: 2.07 ug/l m
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006215.D
Acq: 19 Oct 2018 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	16845		
92	4.9		26.6	79.7#
134	68.4		14.0	41.9#





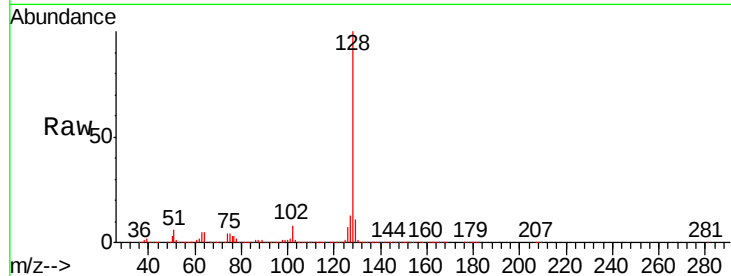
#95
Naphthalene
Concen: 701.78 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006215.D
Acq: 19 Oct 2018 10:22

Instrument :
MSVOA_W
ClientSampleId :
SU-03-101718-B

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.2	8.7	13.1

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

