

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
 Data File : VW006192.D
 Acq On : 18 Oct 2018 22:20
 Operator : VA/AP
 Sample : J5204-07
 Misc : 6.08G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Oct 19 13:42:04 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	72429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	104556	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	84624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	38885	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	28837	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
35) Dibromofluoromethane	7.89	113	27060	43.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.60%	
50) Toluene-d8	10.33	98	103595	44.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.14%	
62) 4-Bromofluorobenzene	12.62	95	35313	40.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	11242	90.34	ug/l	100
20) Methylene Chloride	4.92	84	4144	5.06	ug/l #	87
25) 2-Butanone	7.18	43	2826	17.42	ug/l	97
39) Methylcyclohexane	9.34	83	21269	16.60	ug/l	99
52) Toluene	10.39	92	2529	1.43	ug/l	91
67) Ethyl Benzene	11.74	91	16593	5.29	ug/l	99
68) m/p-Xylenes	11.84	106	3368	2.71	ug/l	86
69) o-Xylene	12.17	106	5012	4.24	ug/l	95
73) Isopropylbenzene	12.47	105	13824	5.03	ug/l	100
78) n-propylbenzene	12.81	91	7026	2.20	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	16879	7.29	ug/l	98
83) tert-Butylbenzene	13.21	119	5454	2.63	ug/l	87
84) 1,2,4-Trimethylbenzene	13.26	105	61141	26.09	ug/l	98
85) sec-Butylbenzene	13.39	105	12197	4.17	ug/l #	51
86) p-Isopropyltoluene	13.51	119	66193	25.00	ug/l	96
89) n-Butylbenzene	13.83	91	3943m	1.63	ug/l	
95) Naphthalene	15.38	128	1558333	1019.26	ug/l	100

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

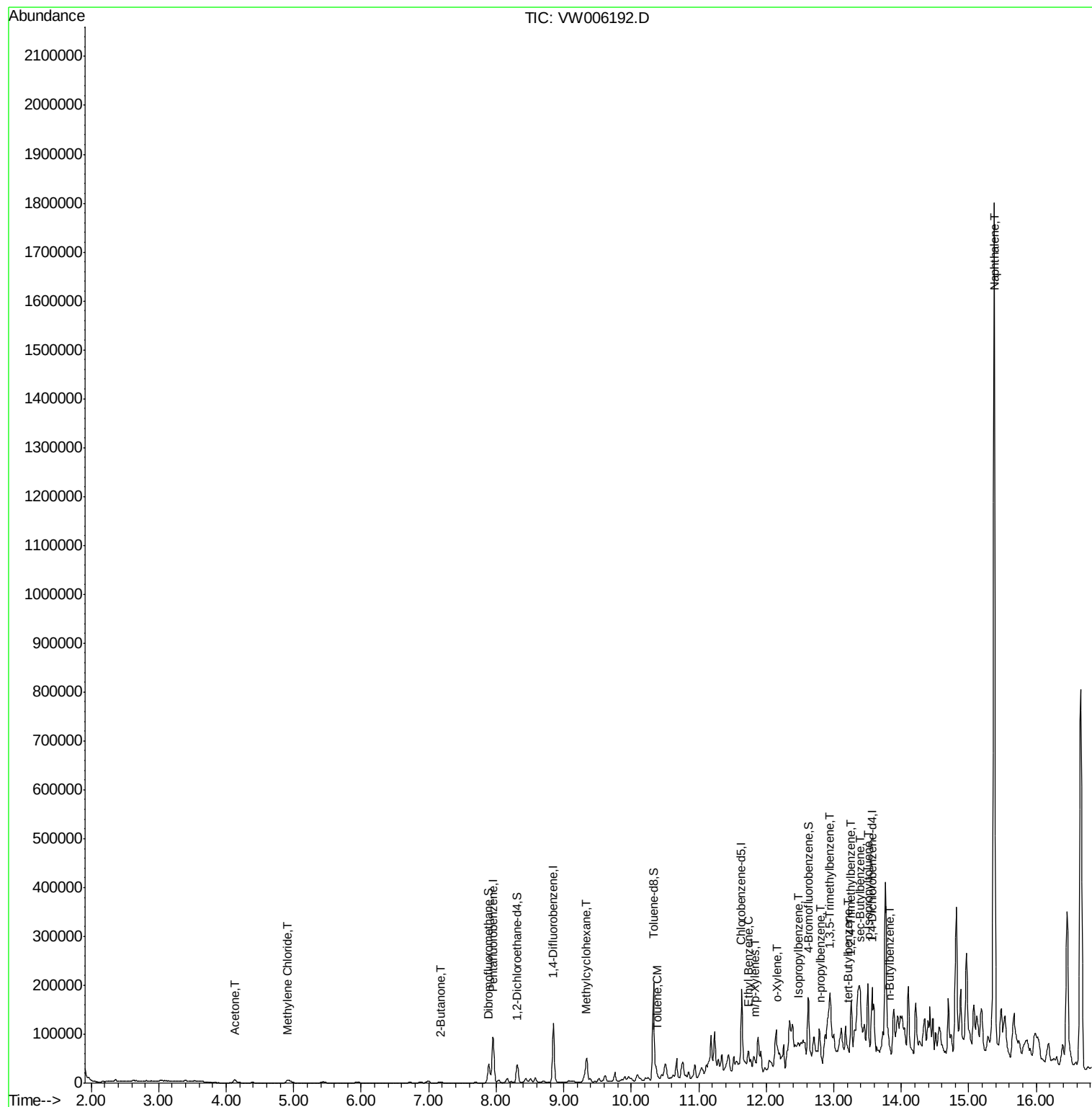
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
Data File : VW006192.D
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ALS Vial : 24 Sample Multiplier: 1

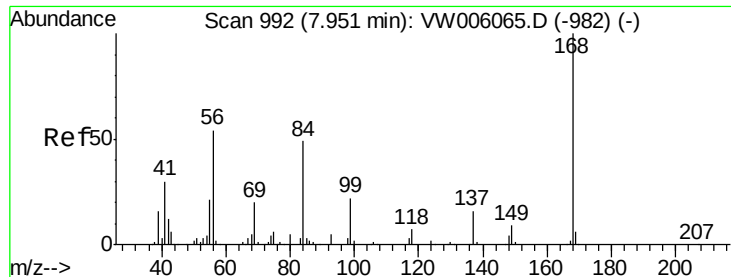
Instrument :
MSVOA_W
ClientSampleId :
SU-03-101718-B

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Quant Time: Oct 19 13:42:04 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: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006192.D

Acq: 18 Oct 2018 22:20

Instrument :

MSVOA_W

ClientSampleId :

SU-03-101718-B

Tgt Ion:168 Resp: 72429

Ion Ratio Lower Upper

168 100

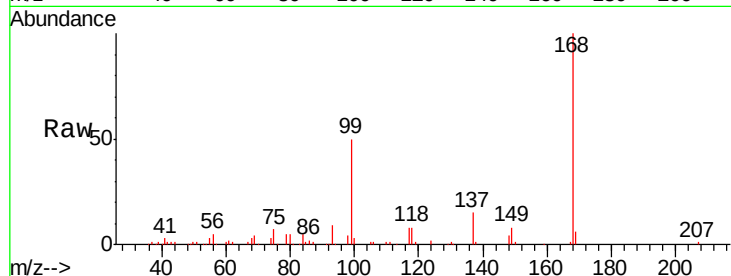
99 49.7 39.9 59.9

Manual Integrations

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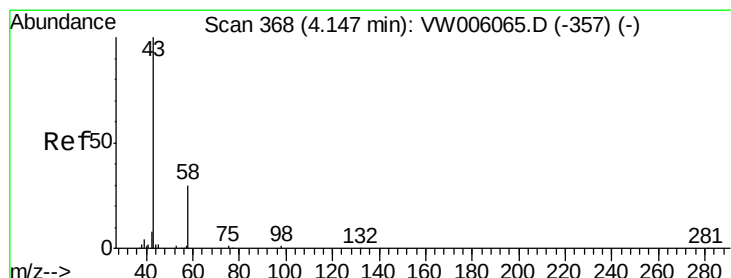
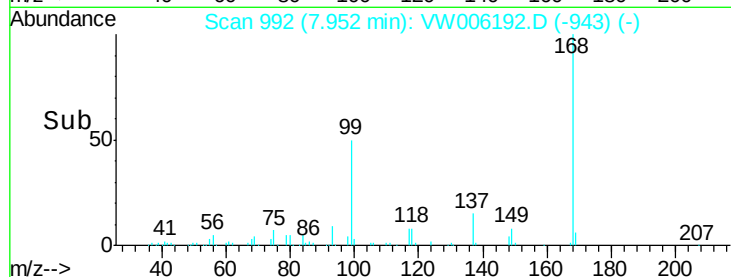
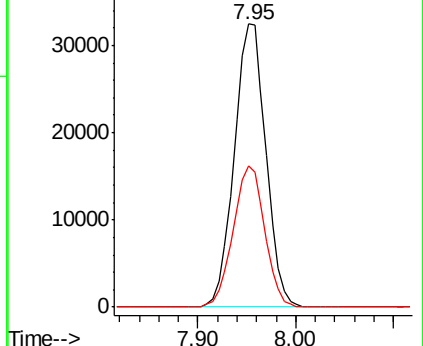
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 90.34 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW006192.D

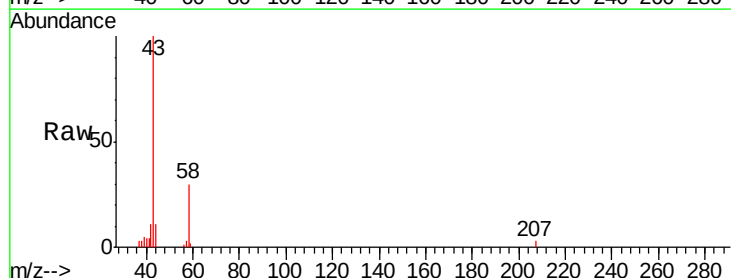
Acq: 18 Oct 2018 22:20

Tgt Ion: 43 Resp: 11242

Ion Ratio Lower Upper

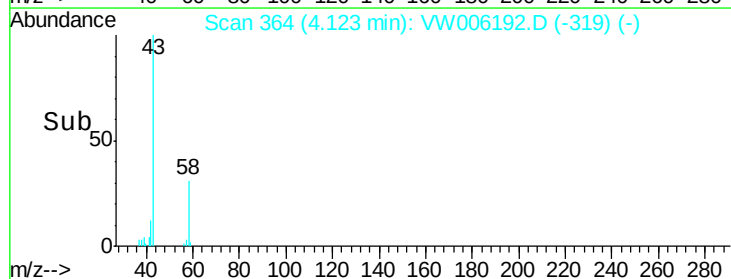
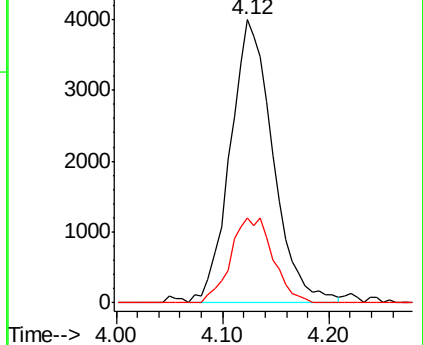
43 100

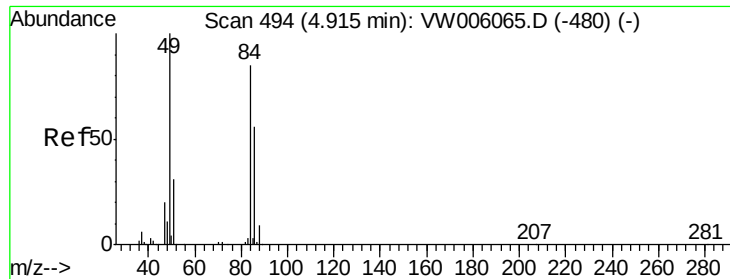
58 30.1 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





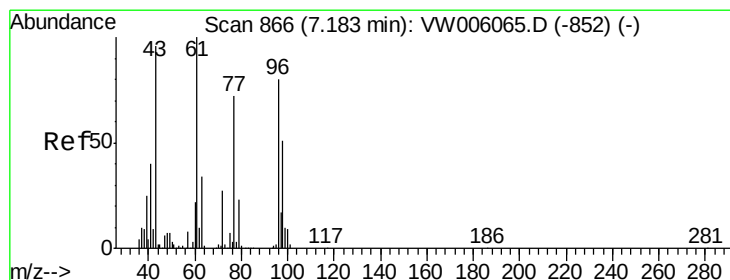
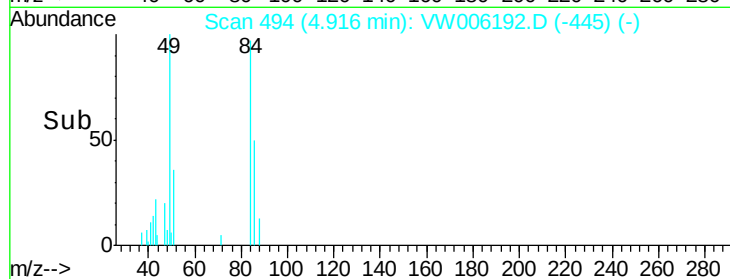
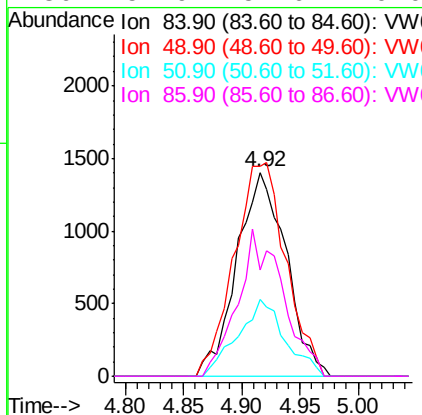
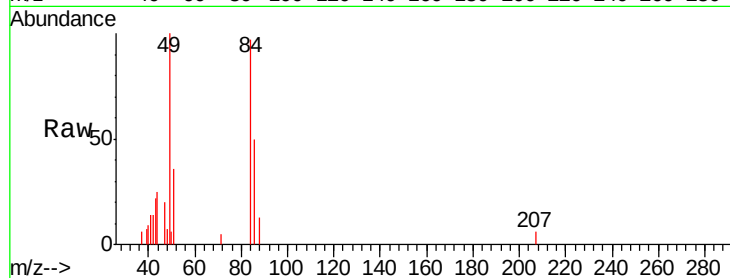
#20
Methylene Chloride
Concen: 5.06 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006192.D
Acq: 18 Oct 2018 22:20

Instrument :
MSVOA_W
ClientSampleId :
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Tgt Ion:	84	Resp:	4144
Ion	Ratio	Lower	Upper
84	100		
49	102.9	93.6	140.4
51	37.5	29.0	43.4
86	51.9	52.6	79.0#

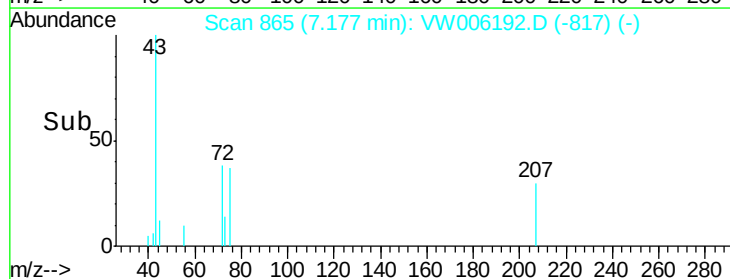
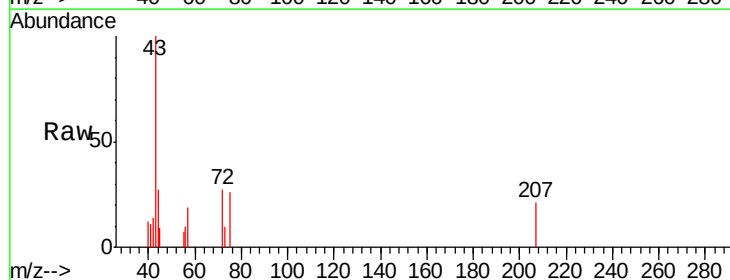
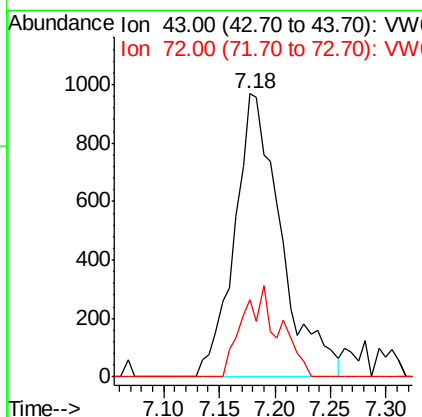
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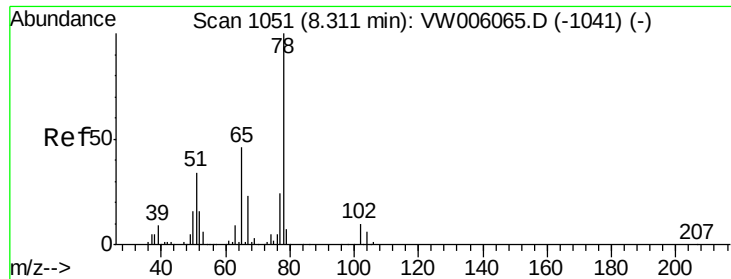
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#25
2-Butanone
Concen: 17.42 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.01 min
Lab File: VW006192.D
Acq: 18 Oct 2018 22:20

Tgt Ion:	43	Resp:	2826
Ion	Ratio	Lower	Upper
43	100		
72	27.2	22.8	34.2





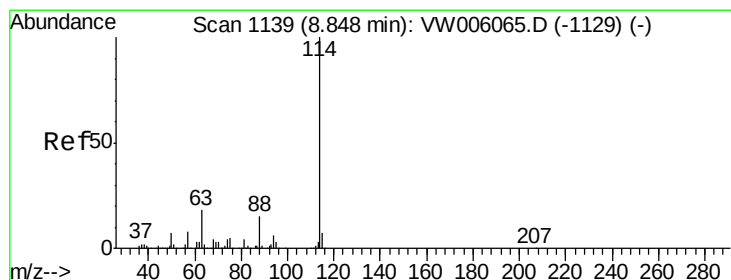
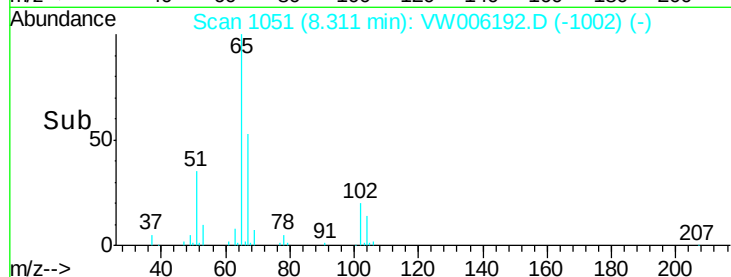
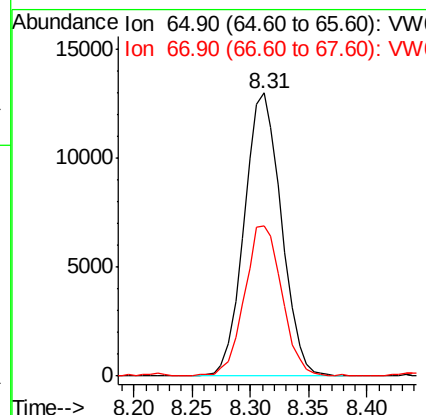
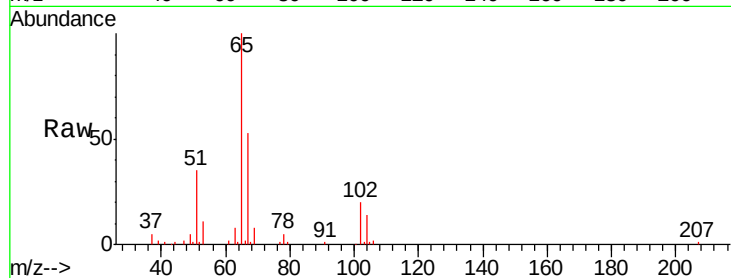
#33
 1,2-Dichloroethane-d4
 Concen: 48.02 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006192.D
 Acq: 18 Oct 2018 22:20

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

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	28837		
67	53.6	0.0	101.0	

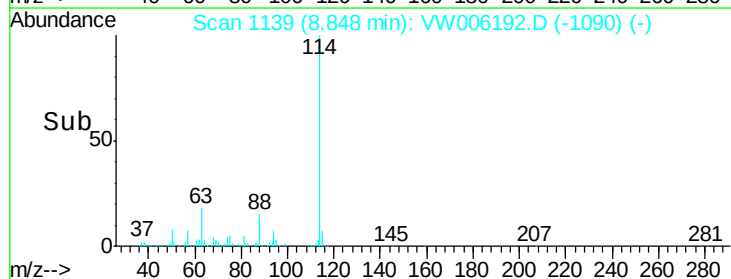
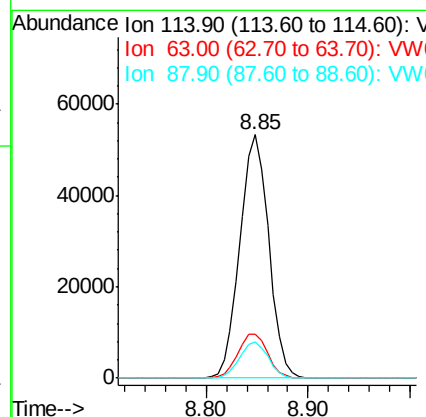
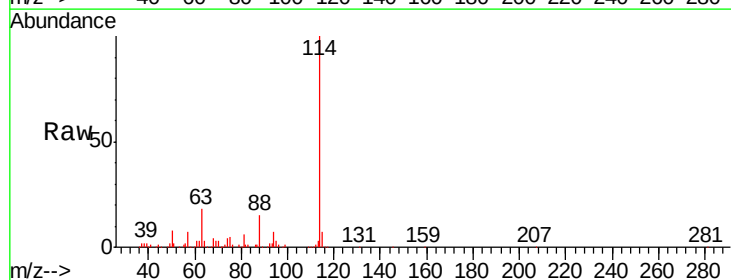
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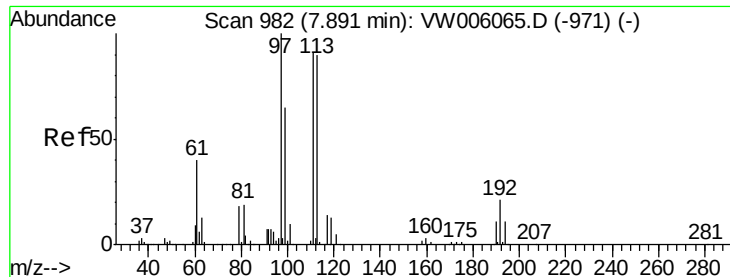
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006192.D
 Acq: 18 Oct 2018 22:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	104556		
63	18.1	0.0	36.8	
88	15.0	0.0	29.0	





#35

Dibromofluoromethane

Concen: 43.80 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW006192.D

Acq: 18 Oct 2018 22:20

Instrument :

MSVOA_W

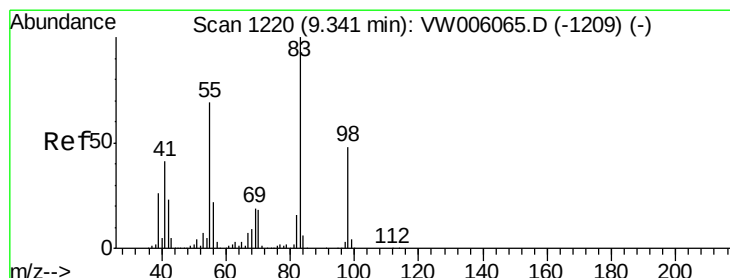
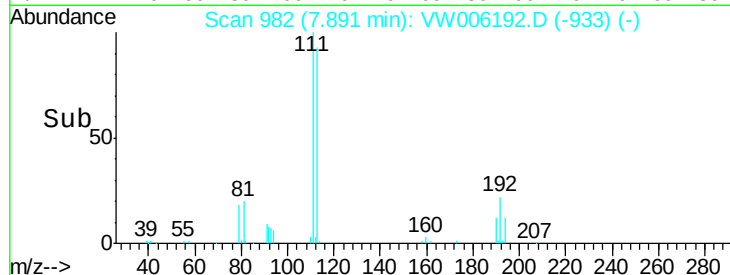
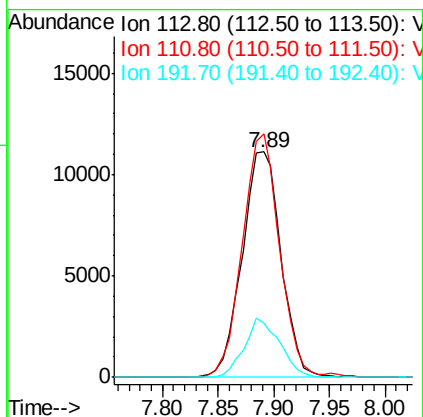
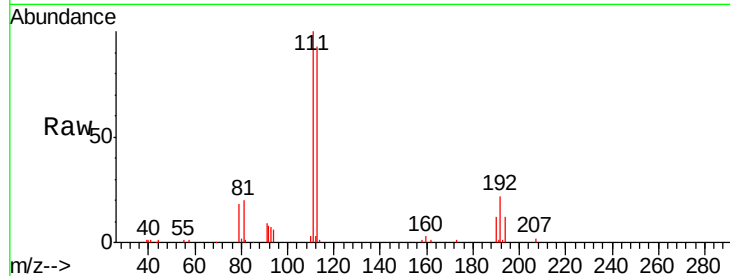
ClientSampleId :

SU-03-101718-B

Tgt Ion:	113	Resp:	27060
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.4	122.0
192	23.7	18.7	28.1

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#39

Methylcyclohexane

Concen: 16.60 ug/l

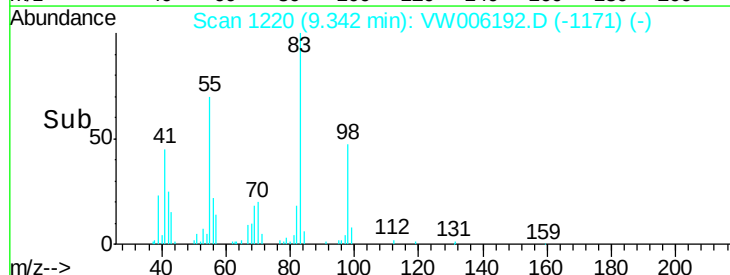
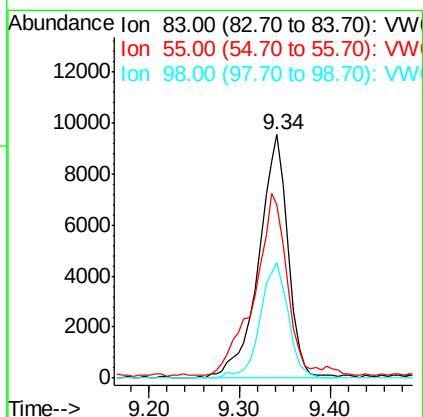
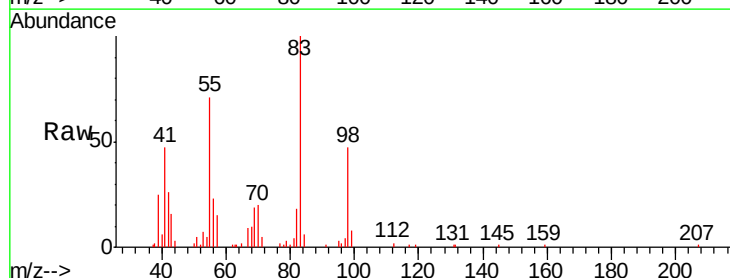
RT: 9.34 min Scan# 1220

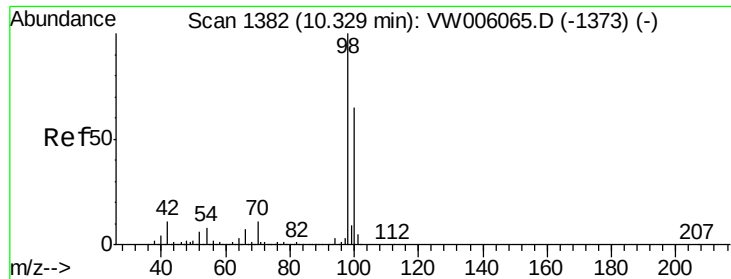
Delta R.T. 0.00 min

Lab File: VW006192.D

Acq: 18 Oct 2018 22:20

Tgt Ion:	83	Resp:	21269
Ion	Ratio	Lower	Upper
83	100		
55	69.6	55.0	82.6
98	47.5	38.6	57.8





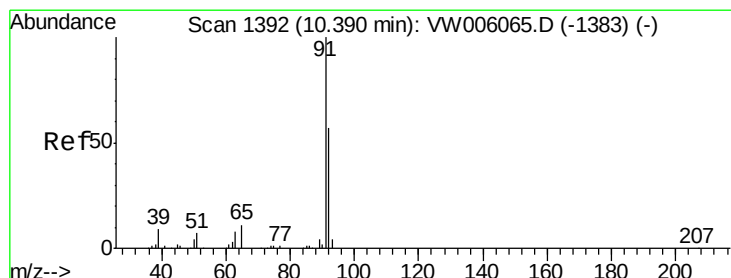
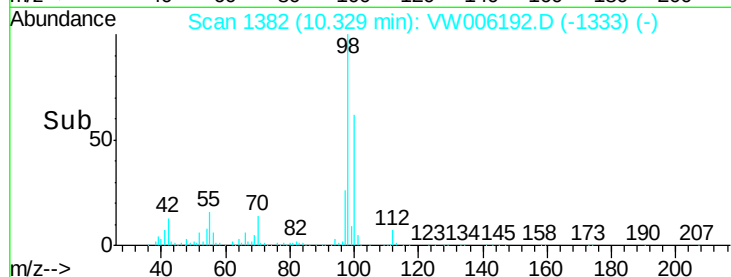
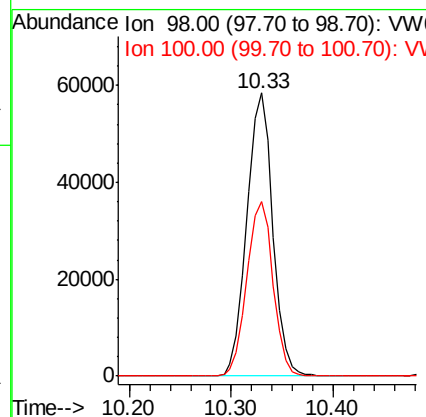
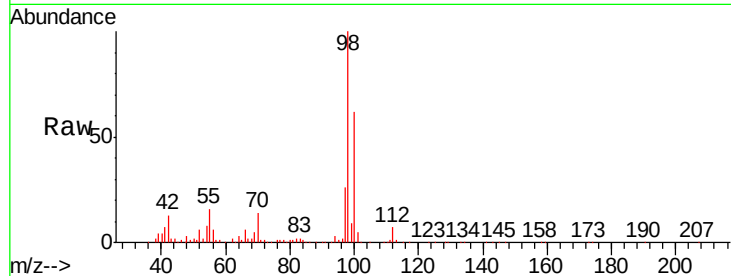
#50
Toluene-d8
Concen: 44.07 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006192.D
Acq: 18 Oct 2018 22:20

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

Tgt Ion: 98 Resp: 103595
Ion Ratio Lower Upper
98 100
100 62.0 51.6 77.4

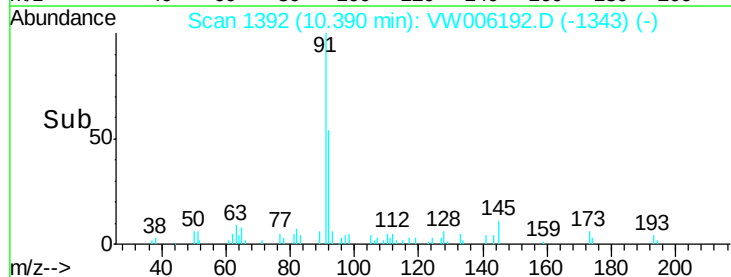
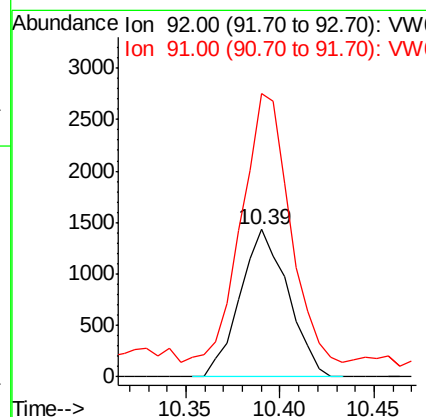
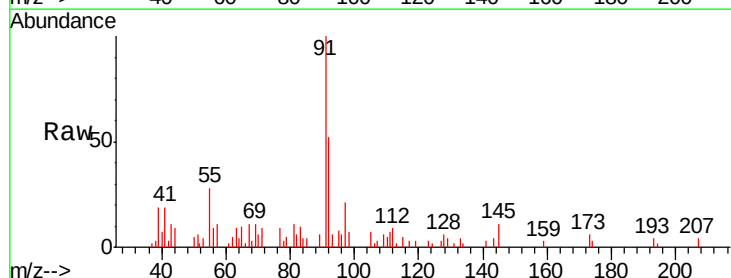
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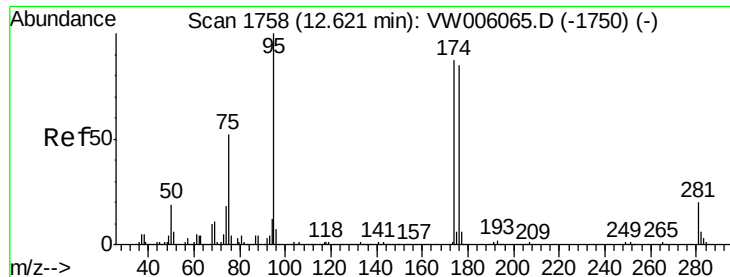
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#52
Toluene
Concen: 1.43 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW006192.D
Acq: 18 Oct 2018 22:20

Tgt Ion: 92 Resp: 2529
Ion Ratio Lower Upper
92 100
91 187.3 140.0 210.0





#62

4-Bromofluorobenzene

Concen: 40.00 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006192.D

Acq: 18 Oct 2018 22:20

Instrument :

MSVOA_W

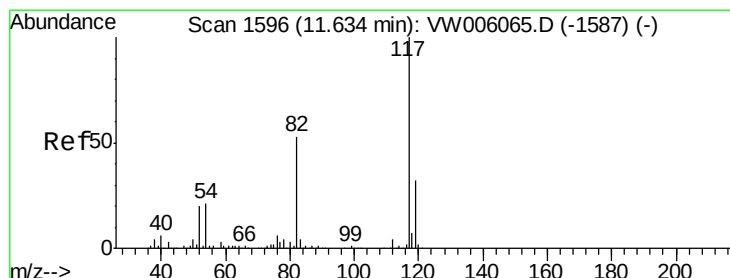
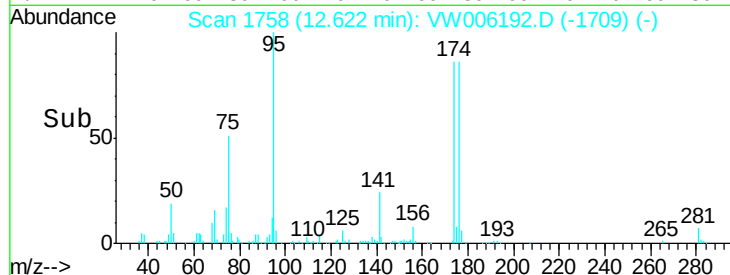
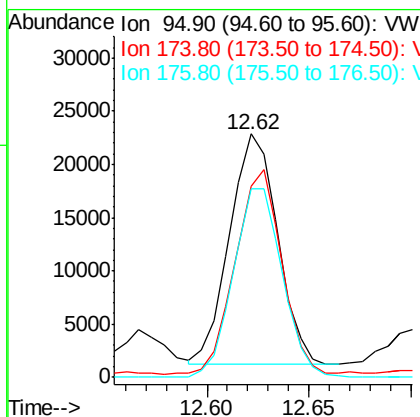
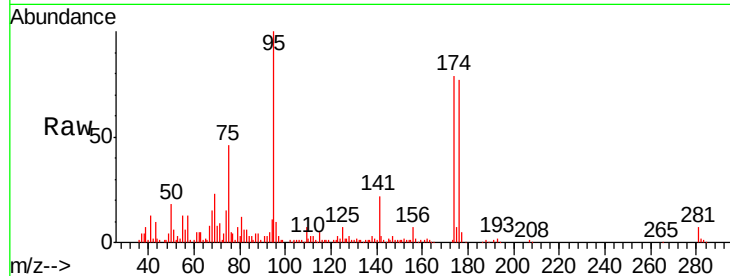
ClientSampleId :

SU-03-101718-B

Tgt Ion:	95	Resp:	35313
Ion Ratio	Lower	Upper	
95	100		
174	86.1	0.0	186.0
176	84.0	0.0	181.6

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

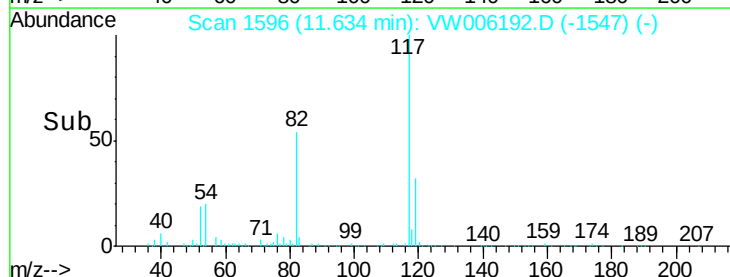
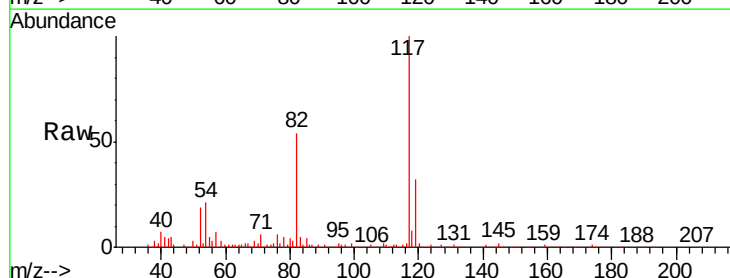
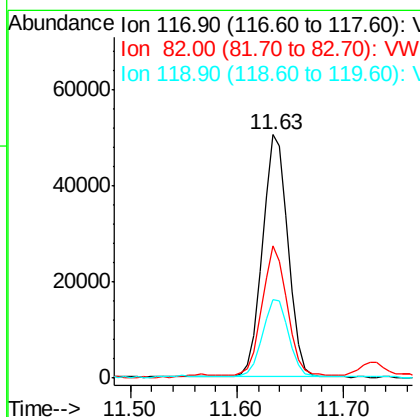
RT: 11.63 min Scan# 1596

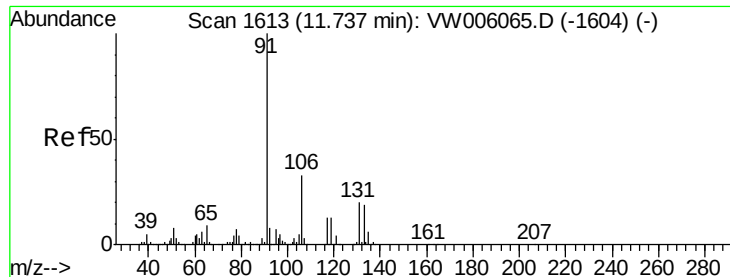
Delta R.T. 0.00 min

Lab File: VW006192.D

Acq: 18 Oct 2018 22:20

Tgt Ion:	117	Resp:	84624
Ion Ratio	Lower	Upper	
117	100		
82	53.5	42.1	63.1
119	31.9	25.8	38.6





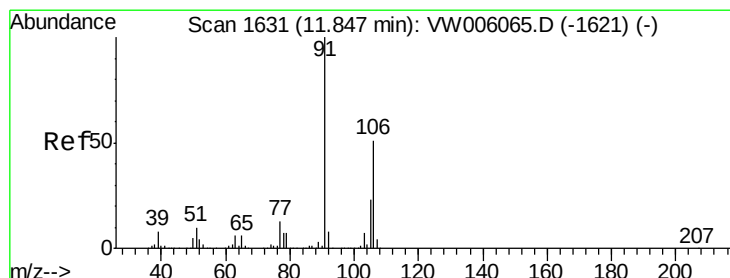
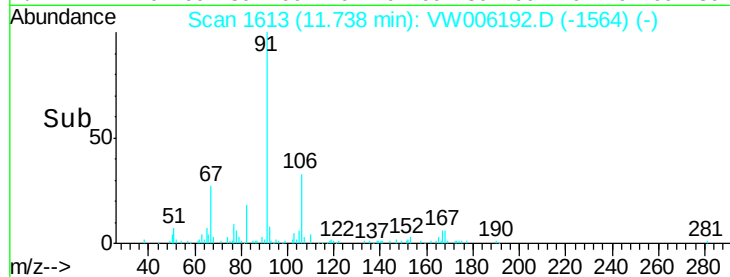
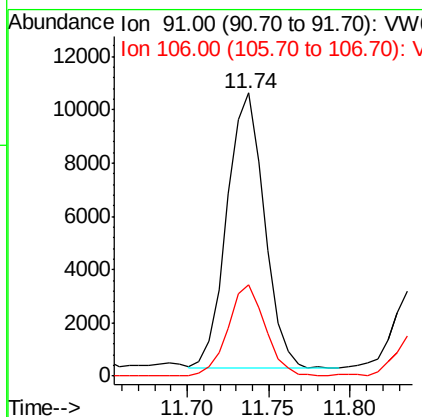
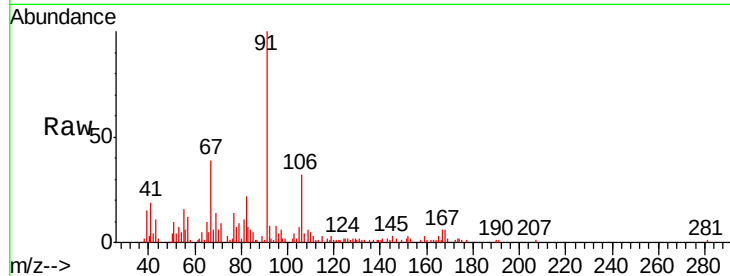
#67
Ethyl Benzene
Concen: 5.29 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006192.D
Acq: 18 Oct 2018 22:20

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

Tgt Ion: 91 Resp: 16593
Ion Ratio Lower Upper
91 100
106 33.4 26.1 39.1

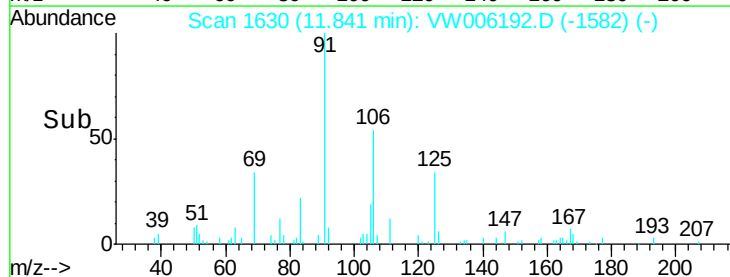
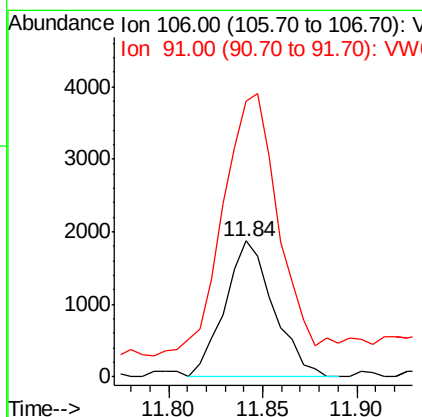
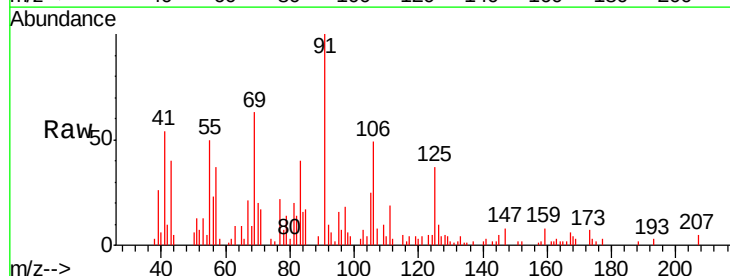
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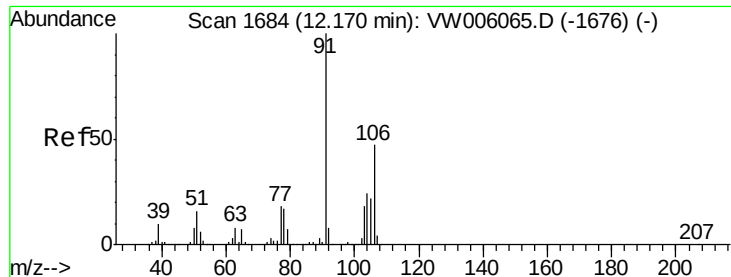
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#68
m/p-Xylenes
Concen: 2.71 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006192.D
Acq: 18 Oct 2018 22:20

Tgt Ion: 106 Resp: 3368
Ion Ratio Lower Upper
106 100
91 220.4 159.1 238.7





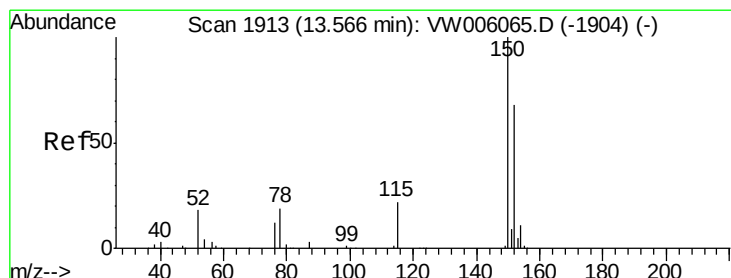
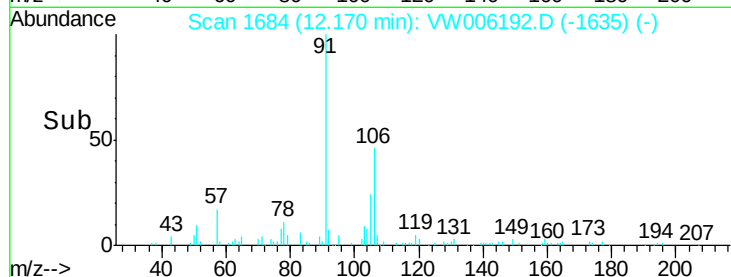
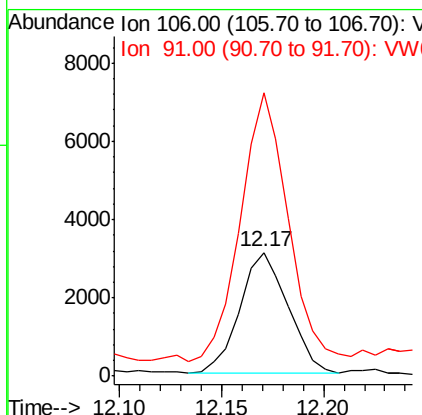
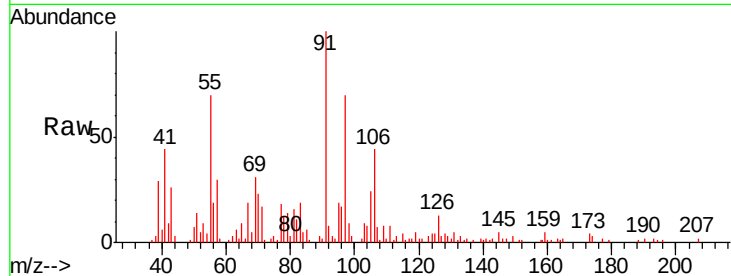
#69
o-Xylene
Concen: 4.24 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006192.D
Acq: 18 Oct 2018 22:20

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

Tgt Ion:106 Resp: 5012
Ion Ratio Lower Upper
106 100
91 219.1 105.4 316.1

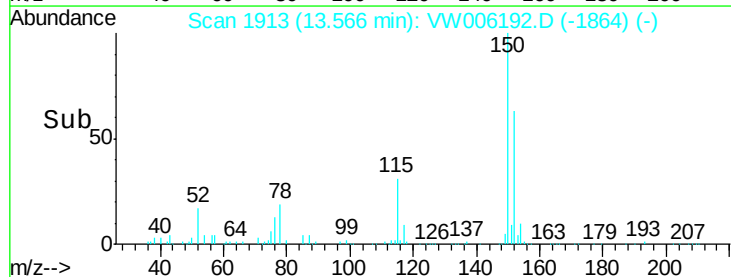
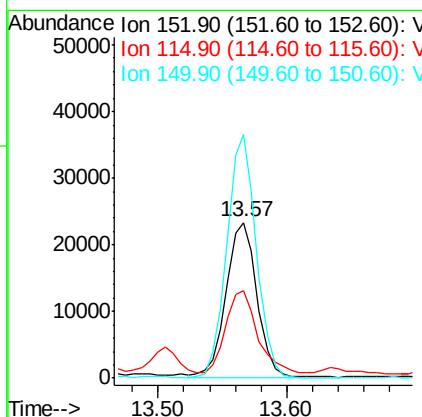
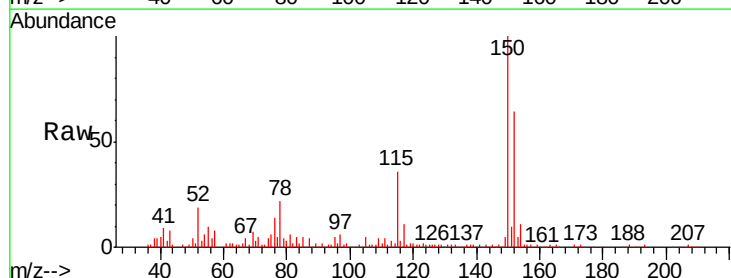
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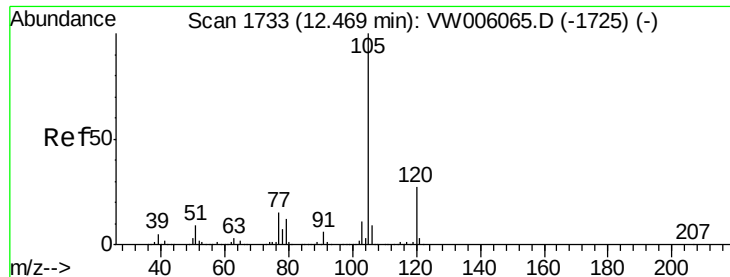
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006192.D
Acq: 18 Oct 2018 22:20

Tgt Ion:152 Resp: 38885
Ion Ratio Lower Upper
152 100
115 54.6 27.8 83.3
150 148.8 0.0 349.2





#73

Isopropylbenzene

Concen: 5.03 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006192.D

Acq: 18 Oct 2018 22:20

Instrument :

MSVOA_W

ClientSampleId :

SU-03-101718-B

Tgt Ion: 105 Resp: 13824

Ion Ratio Lower Upper

105 100

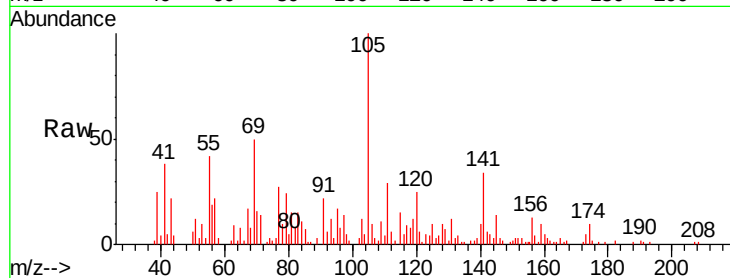
120 27.4 13.6 40.7

Manual Integrations

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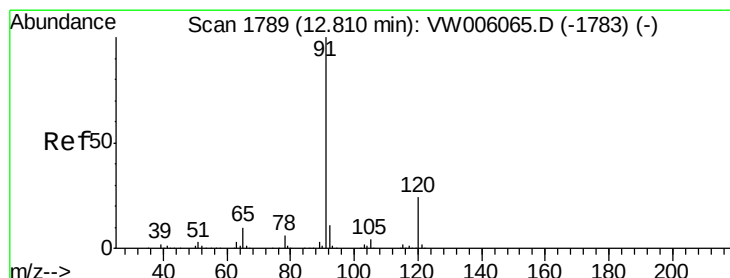
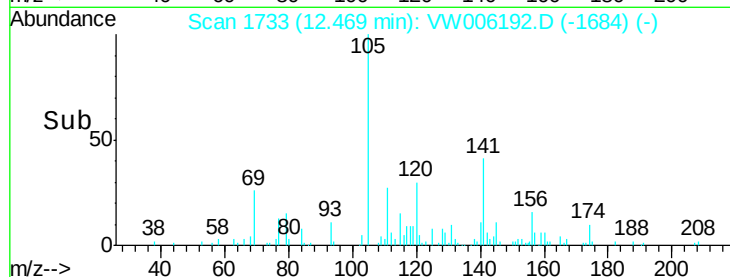
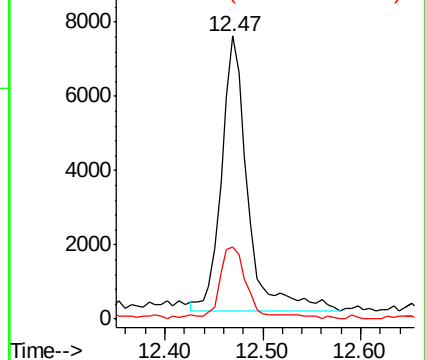
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 2.20 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006192.D

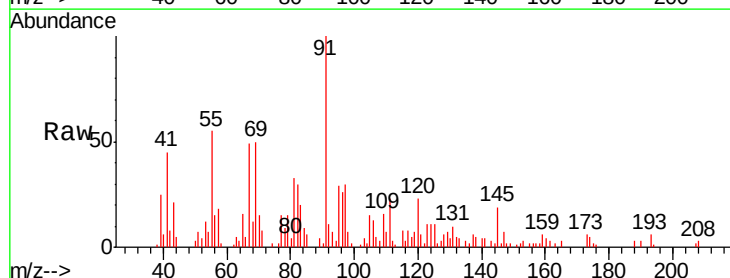
Acq: 18 Oct 2018 22:20

Tgt Ion: 91 Resp: 7026

Ion Ratio Lower Upper

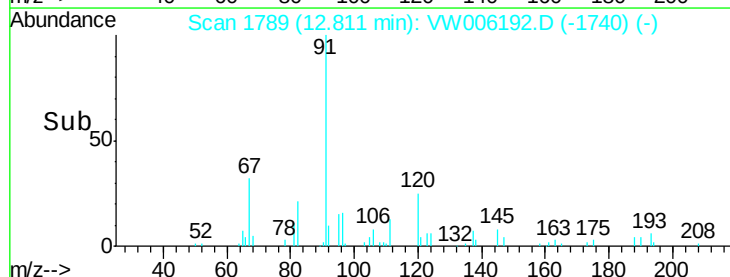
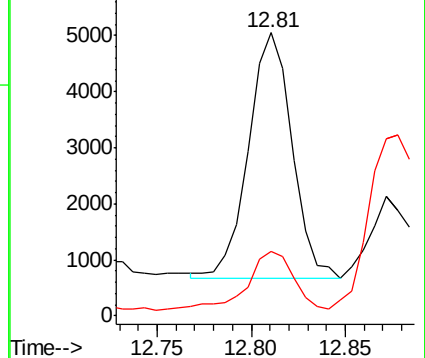
91 100

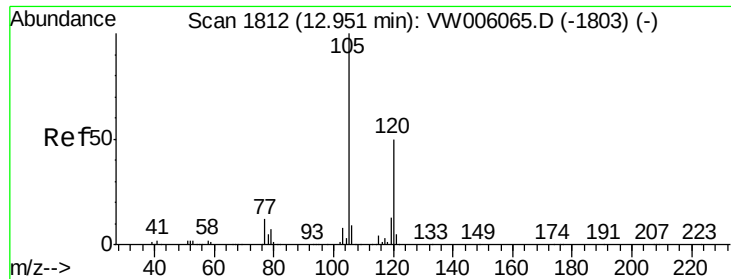
120 24.6 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





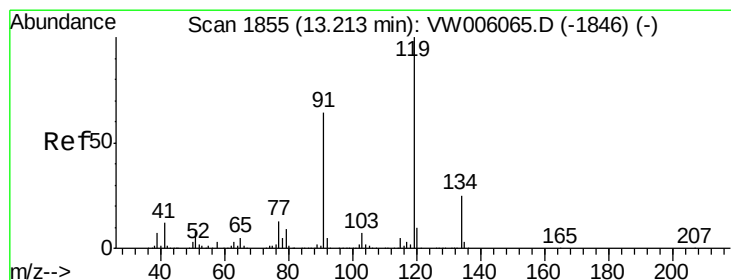
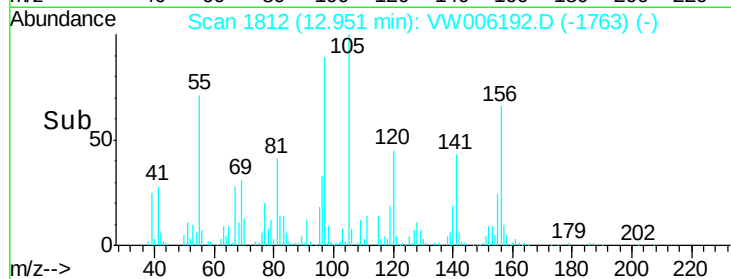
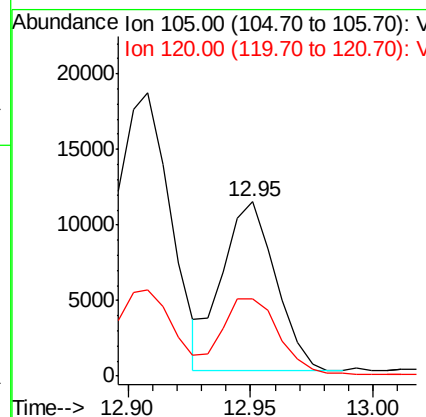
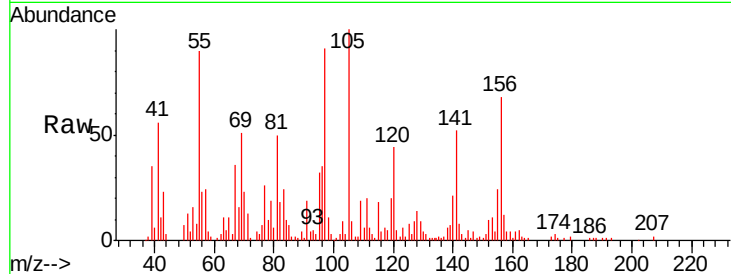
#80
 1,3,5-Trimethylbenzene
 Concen: 7.29 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006192.D
 Acq: 18 Oct 2018 22:20

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

Tgt Ion:105 Resp: 16879
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.9 74.6

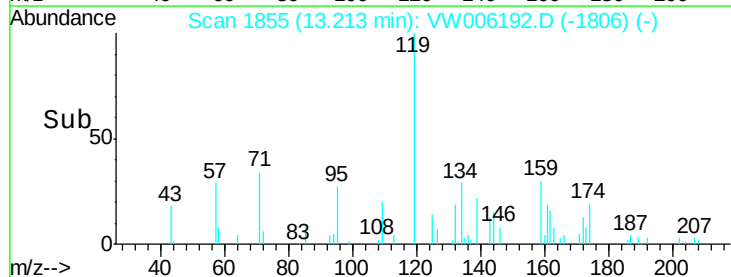
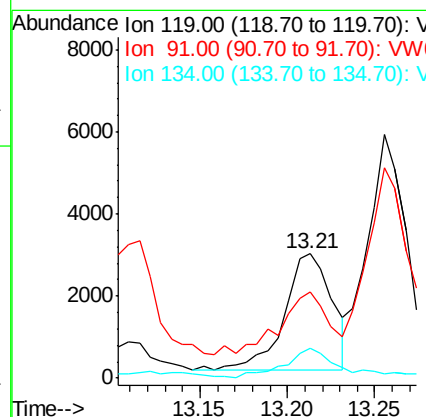
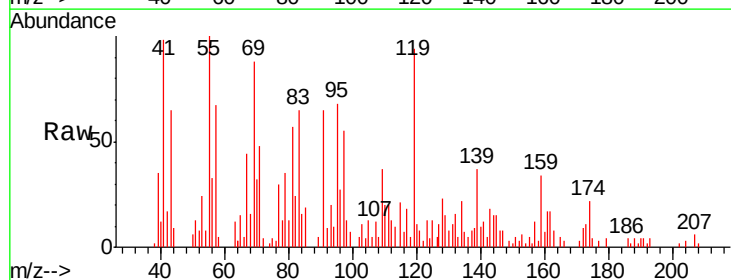
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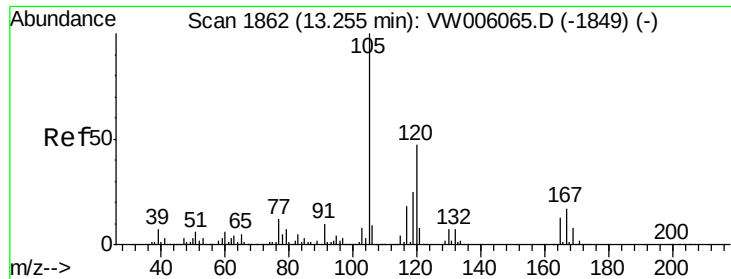
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#83
 tert-Butylbenzene
 Concen: 2.63 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006192.D
 Acq: 18 Oct 2018 22:20

Tgt Ion:119 Resp: 5454
 Ion Ratio Lower Upper
 119 100
 91 53.0 32.3 96.9
 134 31.0 13.6 40.8





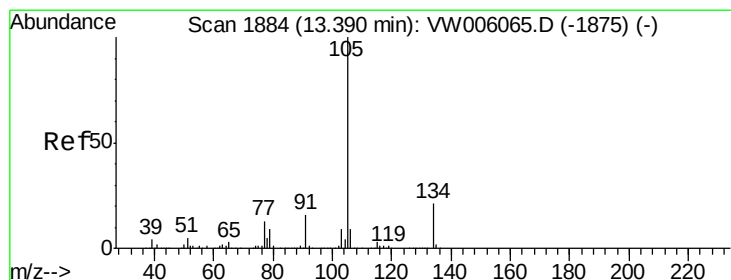
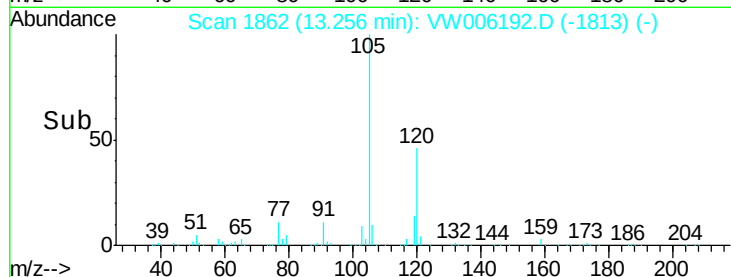
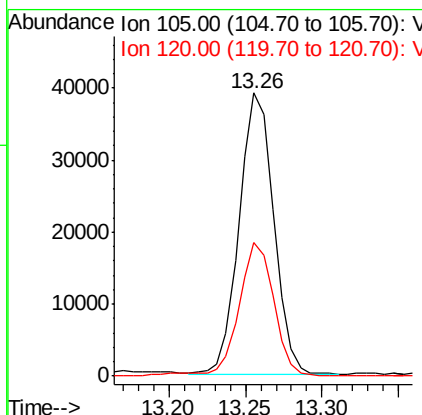
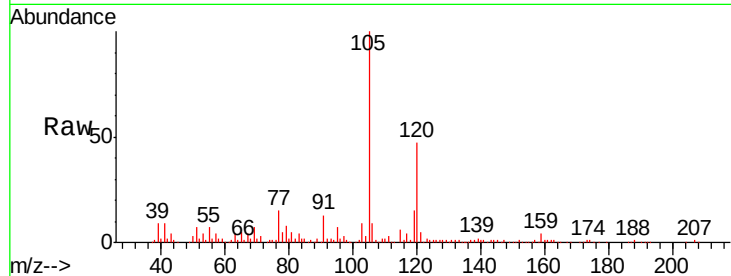
#84
 1,2,4-Trimethylbenzene
 Concen: 26.09 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006192.D
 Acq: 18 Oct 2018 22:20

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

Tgt Ion:105 Resp: 61141
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.1 69.3

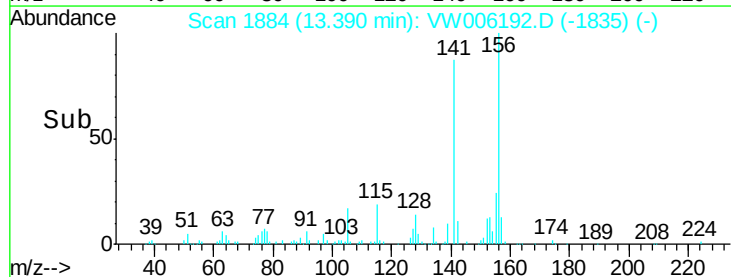
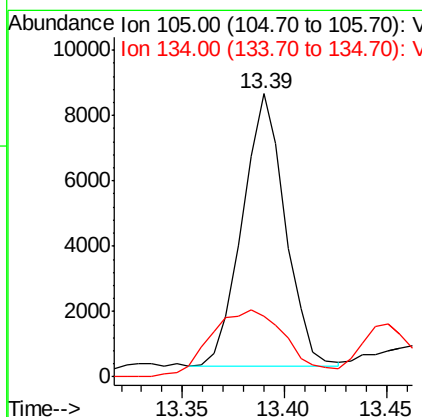
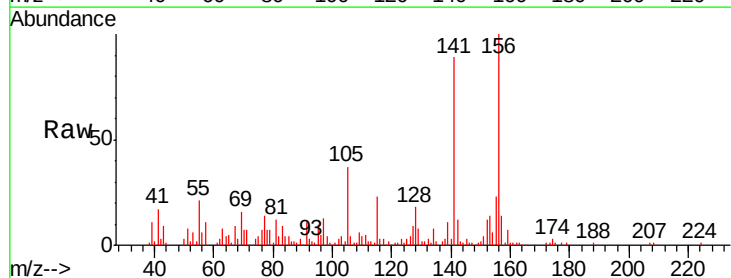
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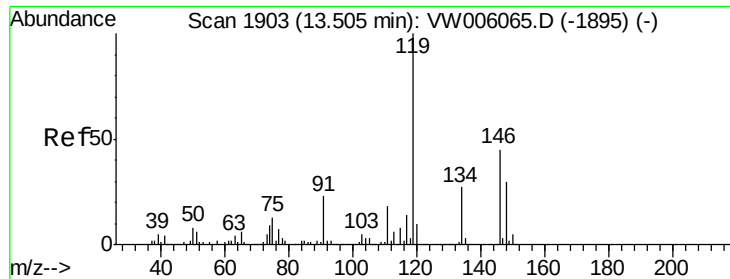
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#85
 sec-Butylbenzene
 Concen: 4.17 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006192.D
 Acq: 18 Oct 2018 22:20

Tgt Ion:105 Resp: 12197
 Ion Ratio Lower Upper
 105 100
 134 44.1 10.5 31.6#





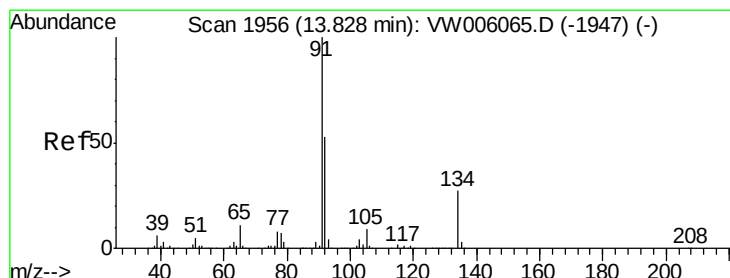
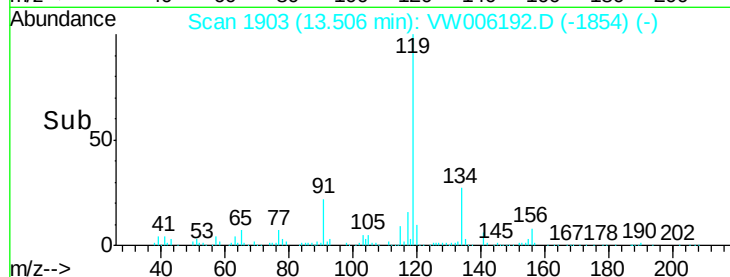
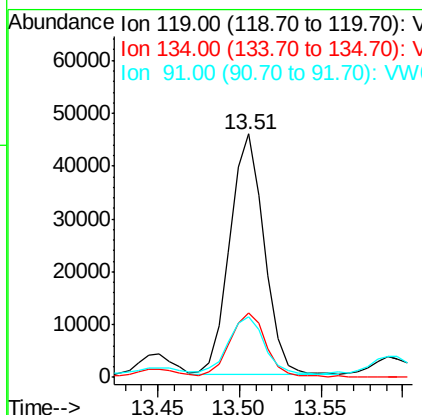
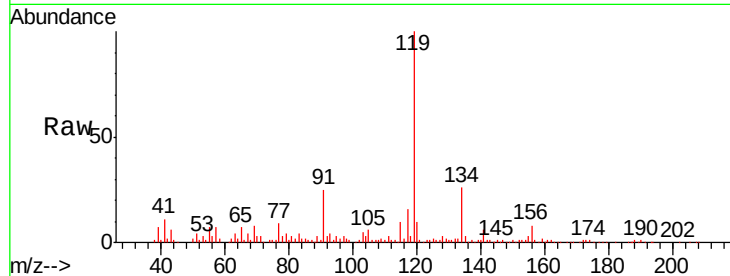
#86
p-Isopropyltoluene
Concen: 25.00 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW006192.D
Acq: 18 Oct 2018 22:20

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

Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.0	13.4	40.2
91	25.1	11.4	34.1

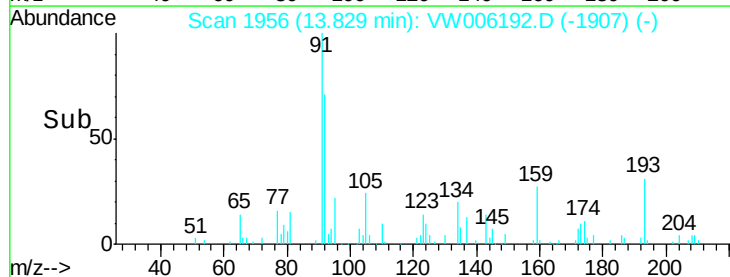
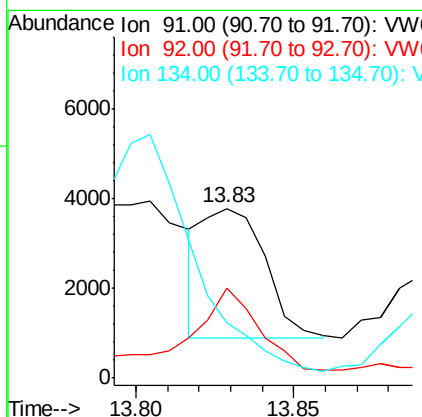
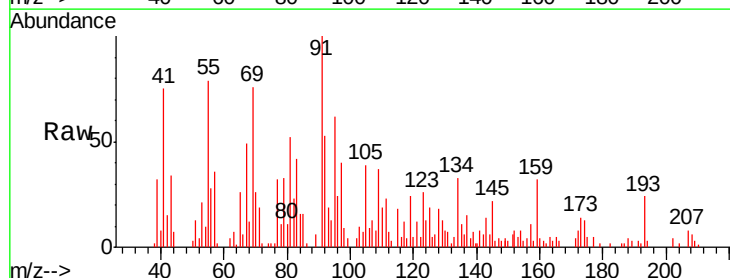
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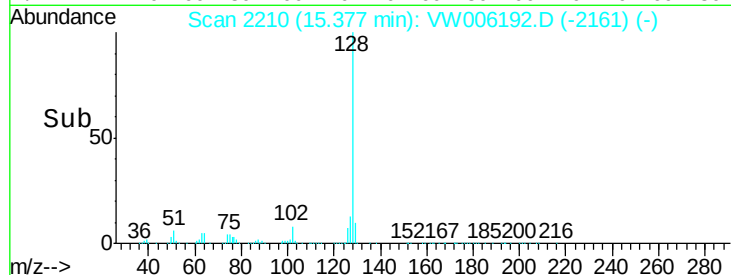
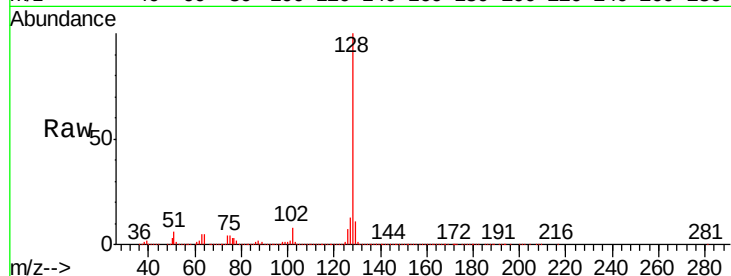
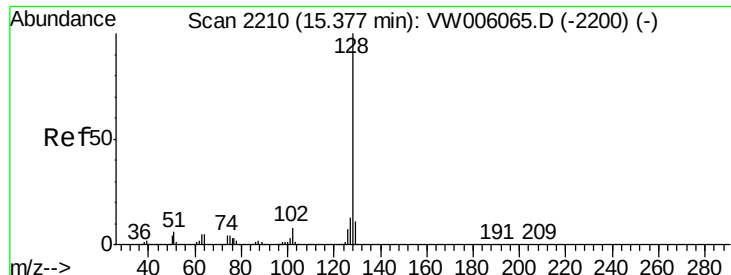
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#89
n-Butylbenzene
Concen: 1.63 ug/l m
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006192.D
Acq: 18 Oct 2018 22:20

Tgt Ion	Ratio	Lower	Upper
91	100		
92	4.9	26.6	79.7#
134	56.5	14.0	41.9#





#95
Naphthalene
Concen: 1019.26 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006192.D
Acq: 18 Oct 2018 22:20

Tgt Ion:	128	Resp:	1558333
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.7	13.1

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

Manual Integrations
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