

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072818\
 Data File : VW004253.D
 Acq On : 27 Jul 2018 05:27
 Operator : SY/AP
 Sample : J4144-01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MCMaster-SEDIMENT-7-23-18

Manual Integrations
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Quant Time: Jul 27 08:32:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	220649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	402395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	313444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	107803	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	274415	111.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	222.52%	
35) Dibromofluoromethane	7.88	113	238093	92.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	184.44%	
50) Toluene-d8	10.33	98	899829	89.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	179.64%	
62) 4-Bromofluorobenzene	12.62	95	235075	65.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	130.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	11857	20.006	ug/l #	88
17) Carbon Disulfide	4.37	76	7752	1.158	ug/l	100
40) Benzene	8.32	78	135599	11.806	ug/l	100
44) Trichloroethene	9.10	130	4303	1.445	ug/l	99
52) Toluene	10.39	92	926767	130.482	ug/l	99
67) Ethyl Benzene	11.74	91	1180637	100.838	ug/l	98
68) m/p-Xylenes	11.84	106	5000226	1117.380	ug/l	96
69) o-Xylene	12.17	106	2044386	492.495	ug/l	100
70) Styrene	12.18	104	343796	49.585	ug/l #	11
73) Isopropylbenzene	12.47	105	600592	78.843	ug/l	99
78) n-propylbenzene	12.81	91	74855	8.010	ug/l #	53
80) 1,3,5-Trimethylbenzene	12.95	105	3413671	532.507	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	8351138	1266.197	ug/l	98
86) p-Isopropyltoluene	13.51	119	406809	58.077	ug/l	94
95) Naphthalene	15.37	128	27954402m	6648.371	ug/l	

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

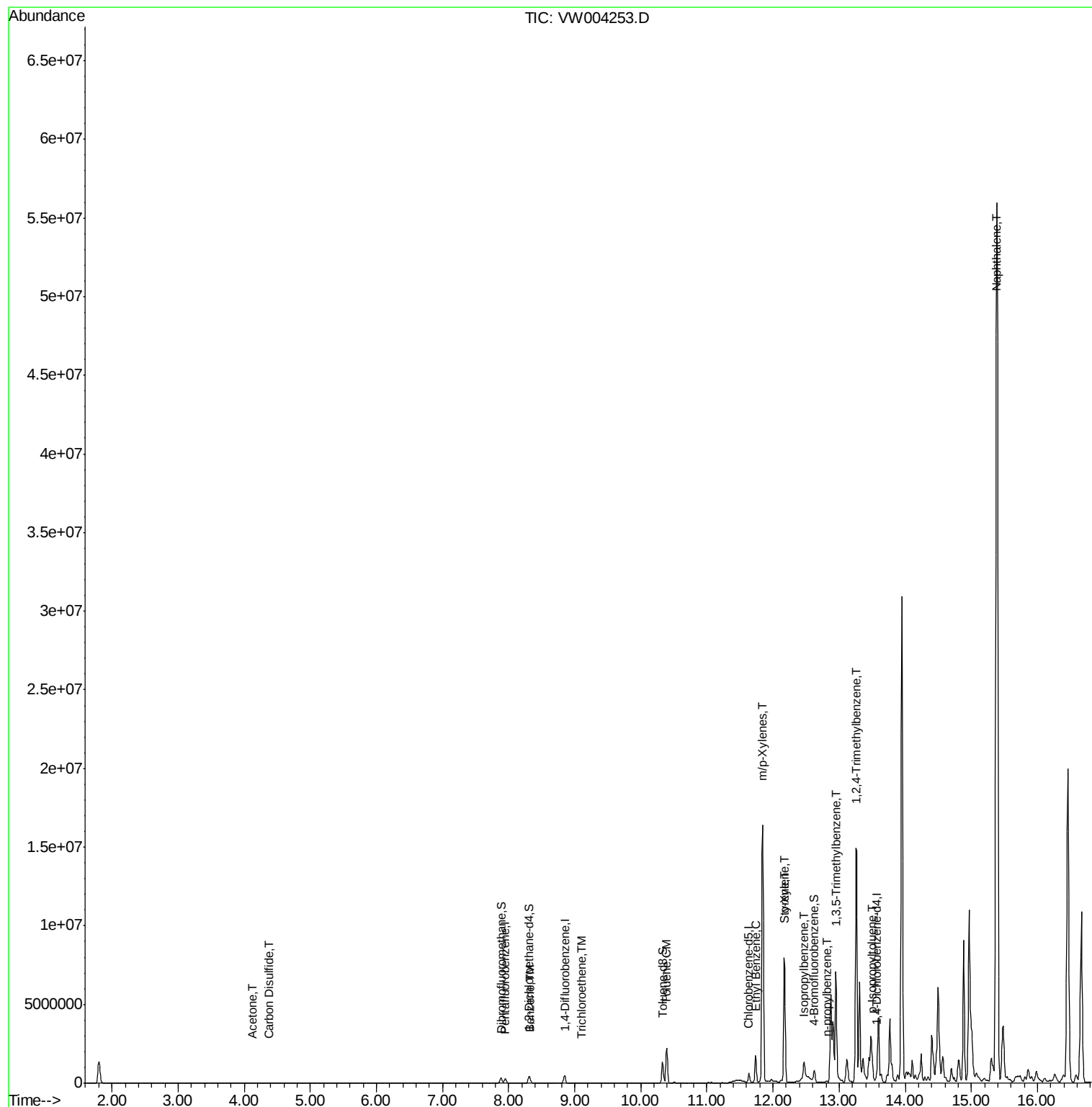
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072818\
Data File : VW004253.D
Acq On : 27 Jul 2018 05:27
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Misc : 5.00G/5ML/MSVOA W/SOIL
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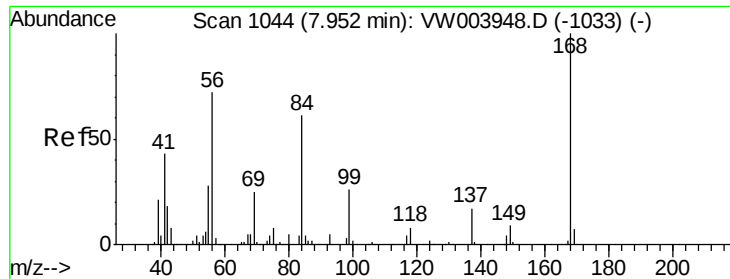
Instrument :
MSVOA_W
ClientSampleId :
MCMaster-SEDIMENT-7-23-18

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Quant Time: Jul 27 08:32:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 16 15:06:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004253.D

Acq: 27 Jul 2018 05:27

Instrument :

MSVOA_W

ClientSampleId :

MCMaster-SEDIMENT-7-23-18

Tot Ion:168 Resp: 220649

Ion Ratio Lower Upper

168 100

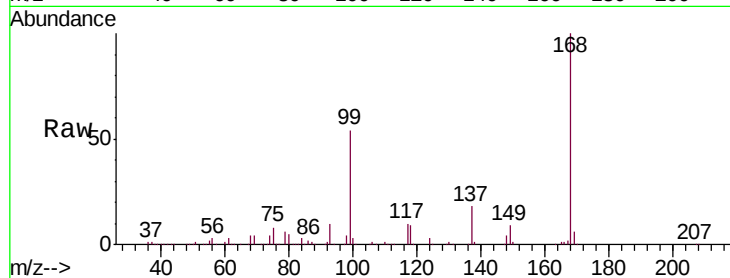
99 54.3 43.8 65.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

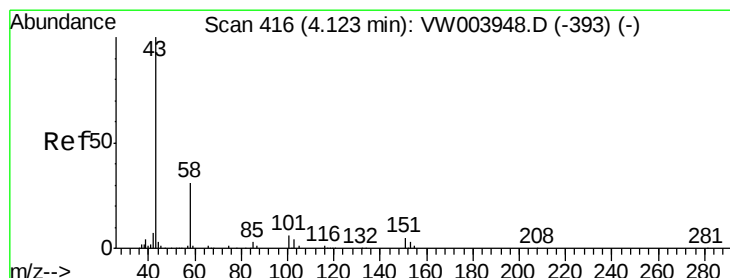
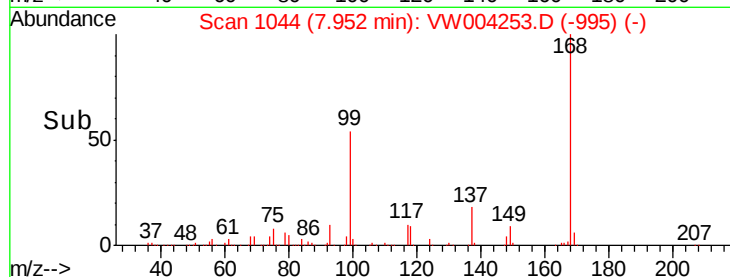
40000

20000

0

7.80 7.90 8.00 8.10

Time-->



#16

Acetone

Concen: 20.006 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004253.D

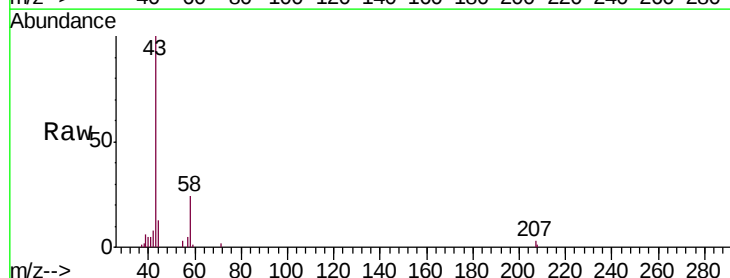
Acq: 27 Jul 2018 05:27

Tgt Ion: 43 Resp: 11857

Ion Ratio Lower Upper

43 100

58 23.8 24.5 36.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4000

3000

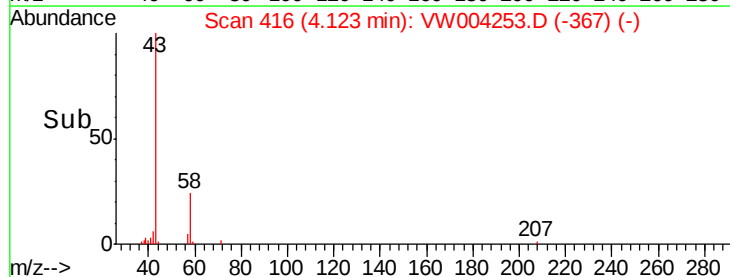
2000

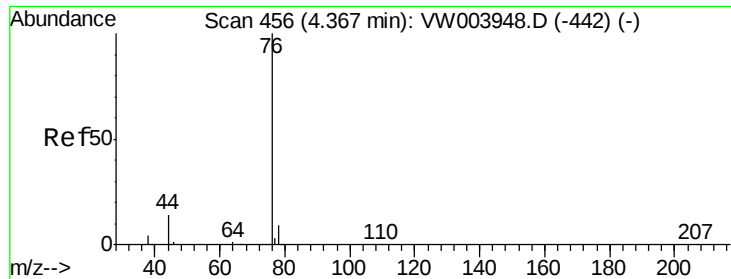
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0

4.00 4.10 4.20

Time-->





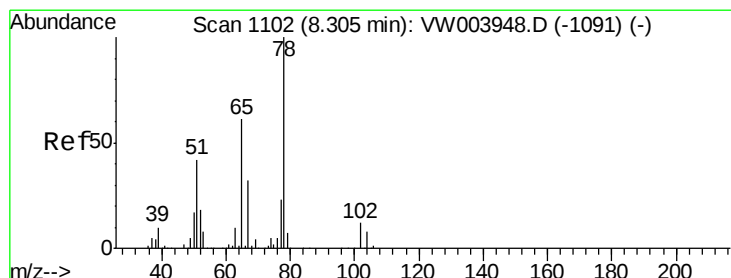
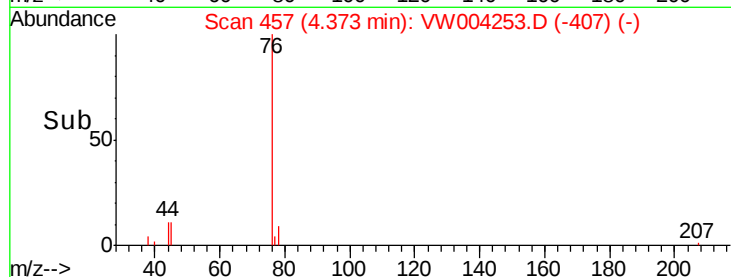
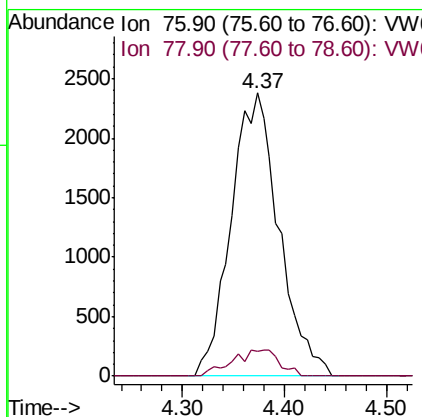
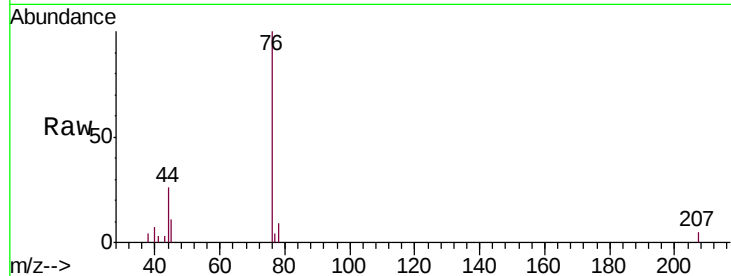
#17
Carbon Disulfide
Concen: 1.158 ug/l
RT: 4.37 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW004253.D
Acq: 27 Jul 2018 05:27

Instrument :
MSVOA_W
ClientSampleId :
MCMaster-SEDIMENT-7-23-18

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

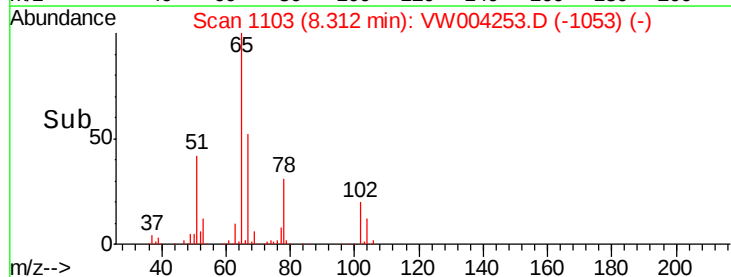
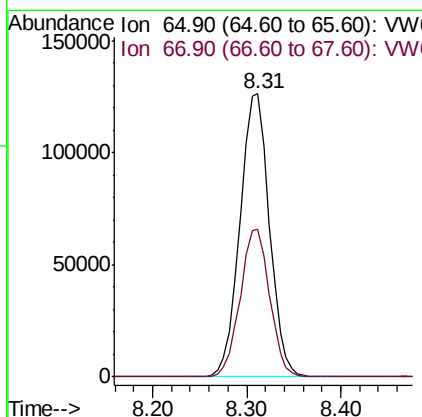
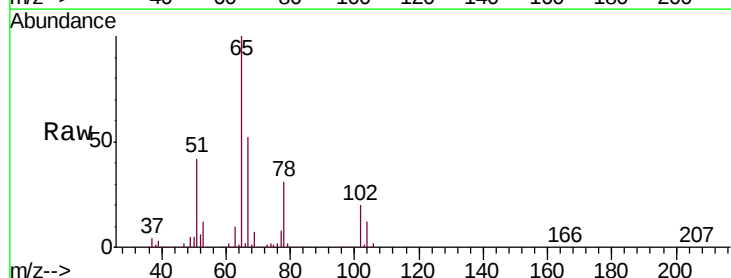
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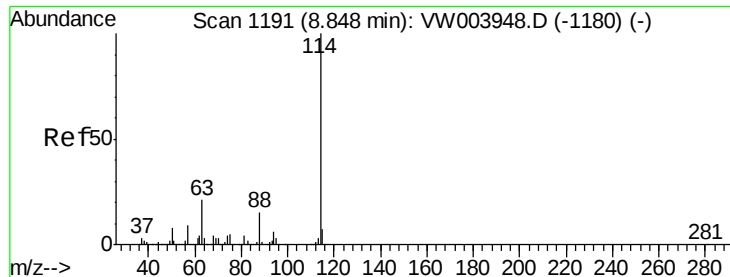
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#33
1,2-Dichloroethane-d4
Concen: 111.261 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW004253.D
Acq: 27 Jul 2018 05:27

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	105.0





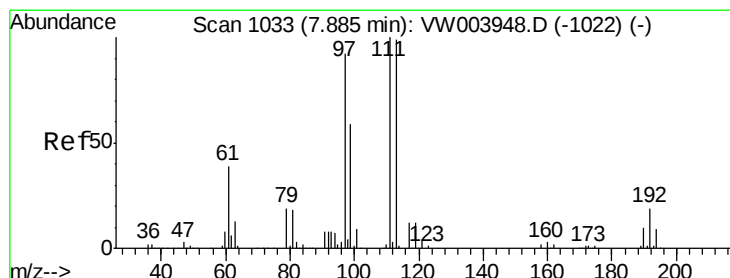
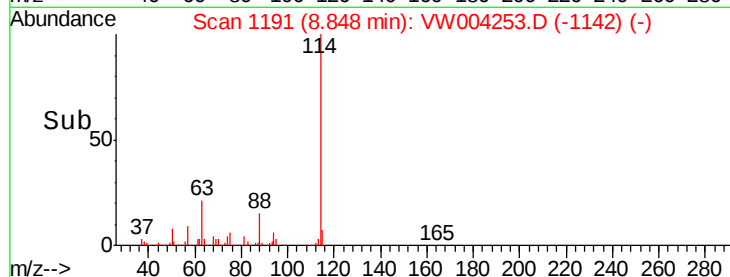
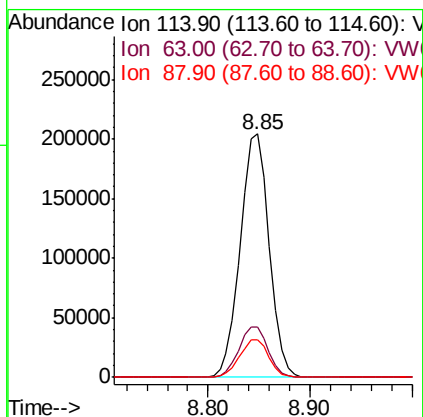
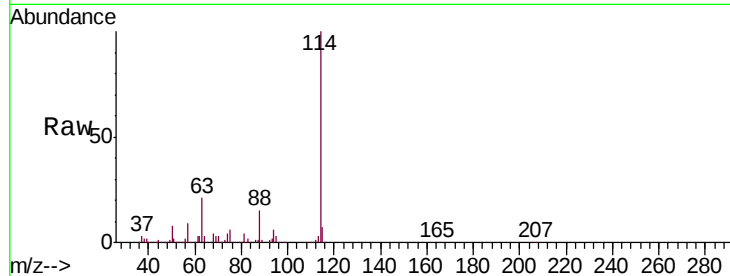
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004253.D
 Acq: 27 Jul 2018 05:27

Instrument :
 MSVOA_W
 ClientSampleId :
 MCMaster-SEDIMENT-7-23-18

Tot Ion:	114	Resp:	402395
Ion Ratio	Lower	Upper	
114	100		
63	20.8	0.0	42.8
88	15.4	0.0	30.4

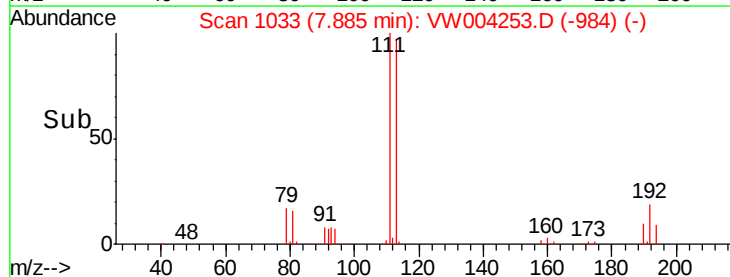
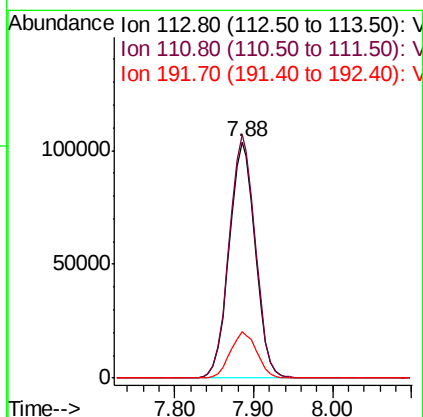
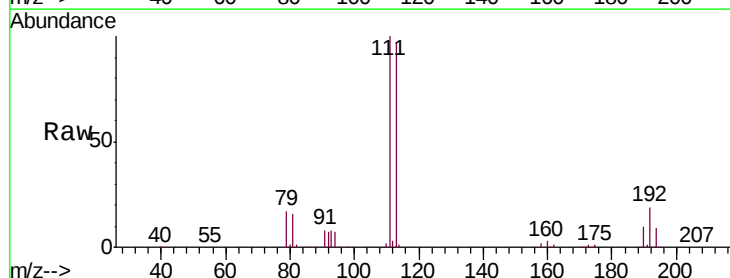
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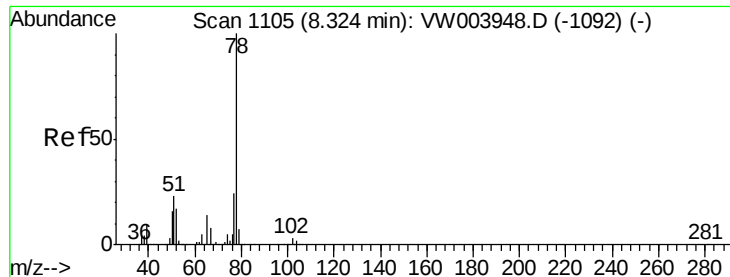
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#35
 Dibromofluoromethane
 Concen: 92.217 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004253.D
 Acq: 27 Jul 2018 05:27

Tgt Ion:	113	Resp:	238093
Ion Ratio	Lower	Upper	
113	100		
111	103.4	81.3	121.9
192	19.9	15.8	23.6





#40

Benzene

Concen: 11.806 ug/l

RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VW004253.D

Acq: 27 Jul 2018 05:27

Instrument :

MSVOA_W

ClientSampleId :

MCMaster-Sediment-7-23-18

Tot Ion: 78 Resp: 135599

Ion Ratio Lower Upper

78 100

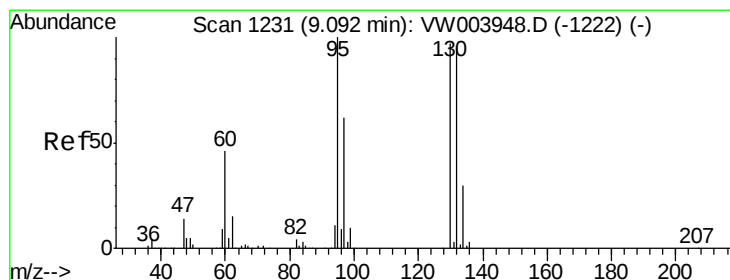
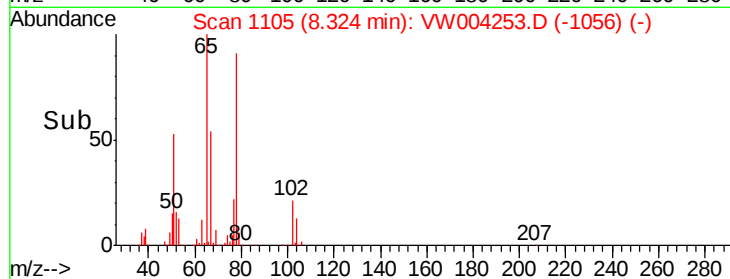
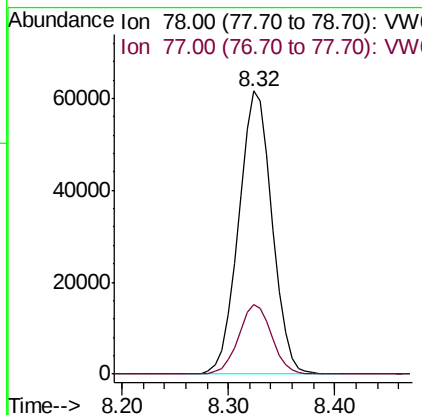
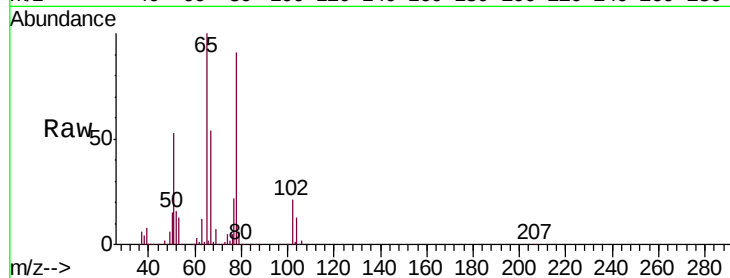
77 24.5 19.5 29.3

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#44

Trichloroethene

Concen: 1.445 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VW004253.D

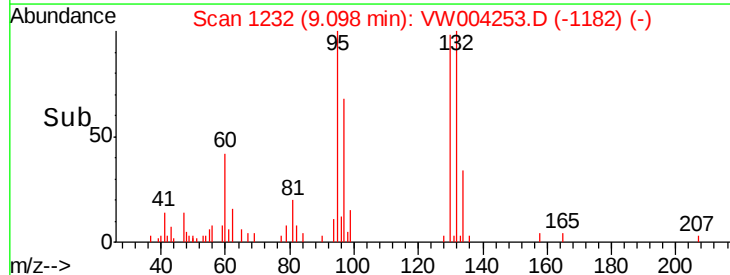
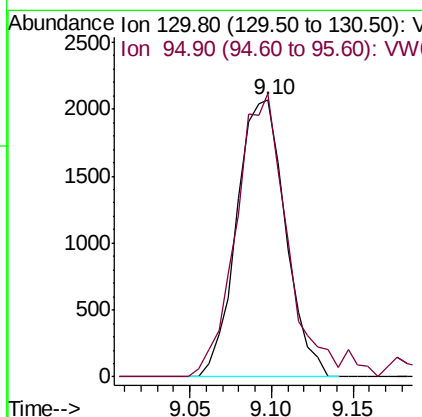
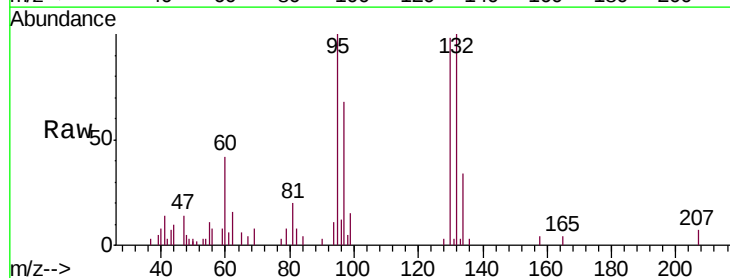
Acq: 27 Jul 2018 05:27

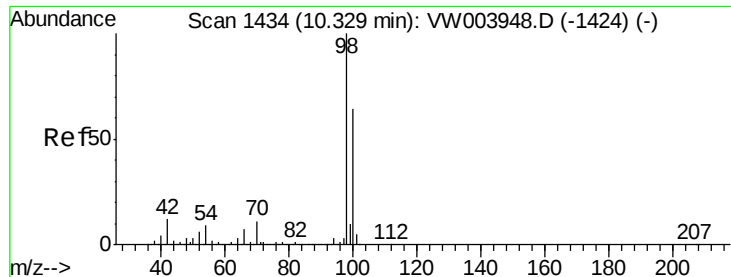
Tgt Ion: 130 Resp: 4303

Ion Ratio Lower Upper

130 100

95 102.0 0.0 206.8





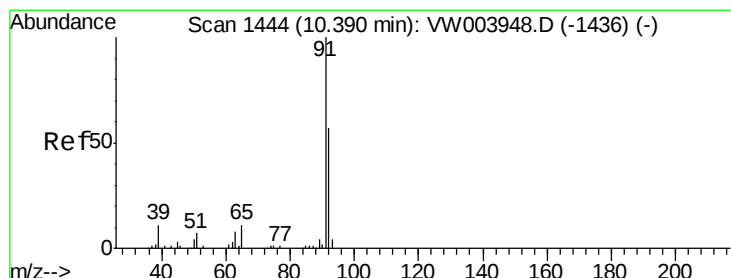
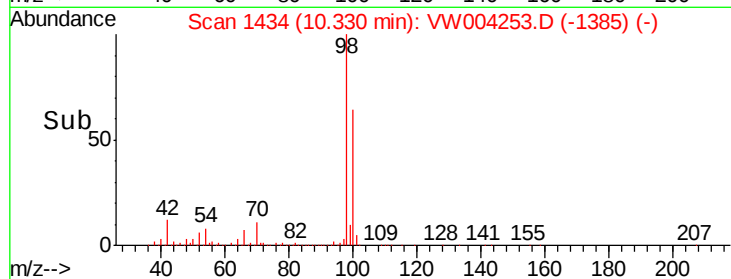
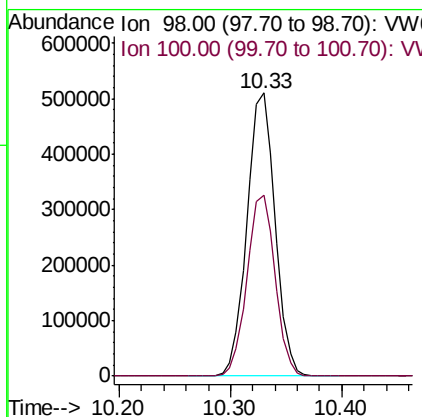
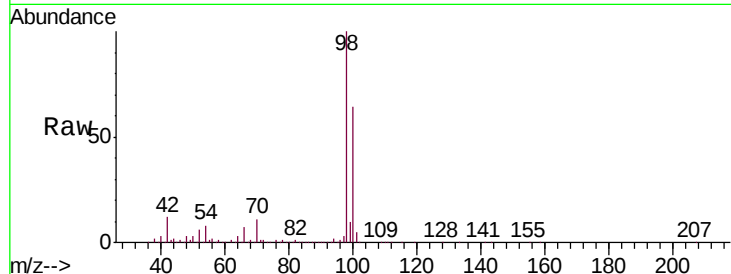
#50
Toluene-d8
Concen: 89.819 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004253.D
Acq: 27 Jul 2018 05:27

Instrument :
MSVOA_W
ClientSampleId :
MCMaster-SEDIMENT-7-23-18

Tot Ion	98	Resp	899829
Ion Ratio	100	Lower	Upper
98	100	51.2	76.8
100	64.0		

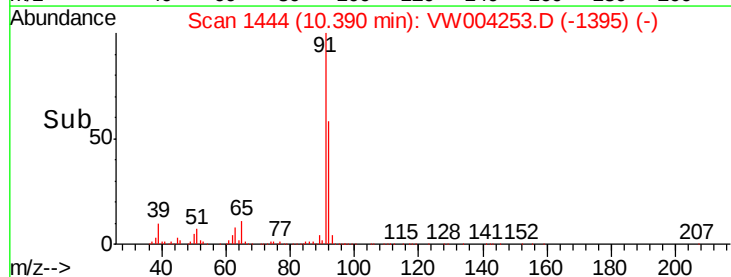
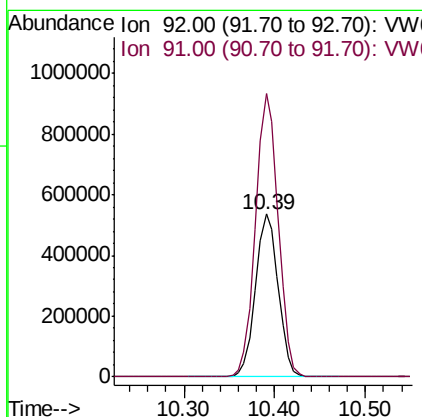
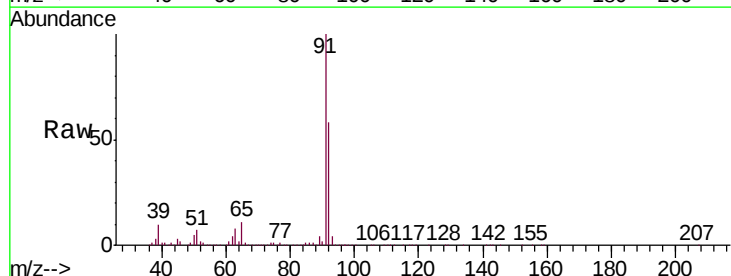
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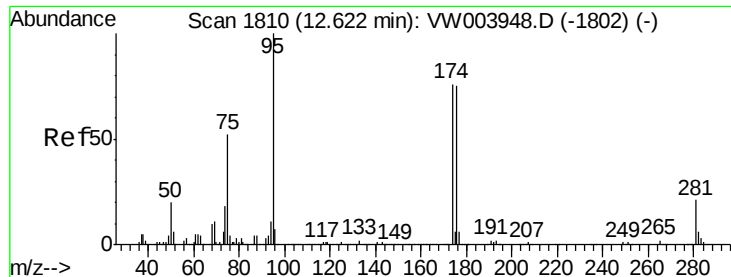
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#52
Toluene
Concen: 130.482 ug/l
RT: 10.39 min Scan# 1444
Delta R.T. 0.00 min
Lab File: VW004253.D
Acq: 27 Jul 2018 05:27

Tgt Ion	92	Resp	926767
Ion Ratio	100	Lower	Upper
92	100	139.6	209.4
91	173.7		





#62

4-Bromofluorobenzene

Concen: 65.071 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004253.D

Acq: 27 Jul 2018 05:27

Instrument :

MSVOA_W

ClientSampleId :

MCMaster-SEDIMENT-7-23-18

Tot Ion: 95 Resp: 235075

Ion Ratio Lower Upper

95 100

174 78.7 0.0 160.2

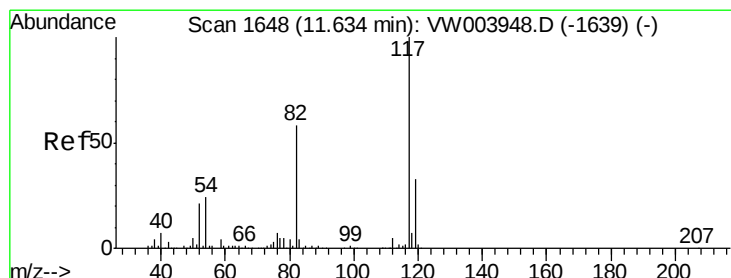
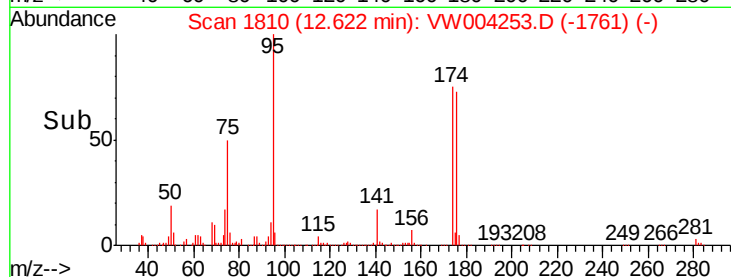
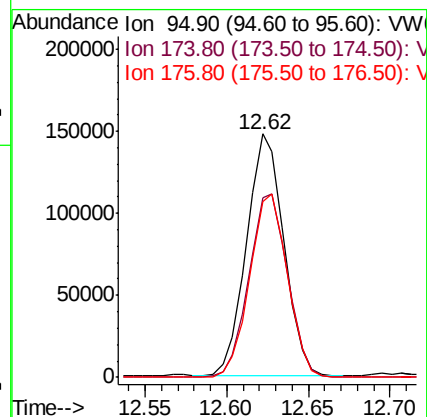
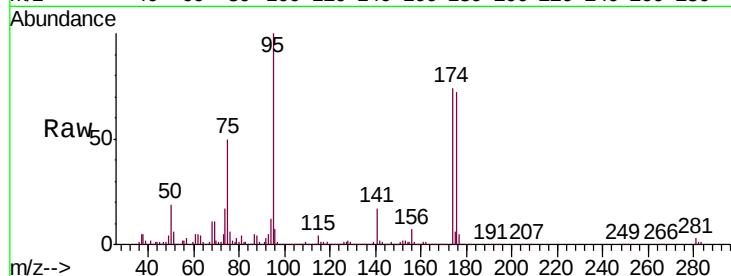
176 76.7 0.0 155.8

Manual Integrations

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VW004253.D

Acq: 27 Jul 2018 05:27

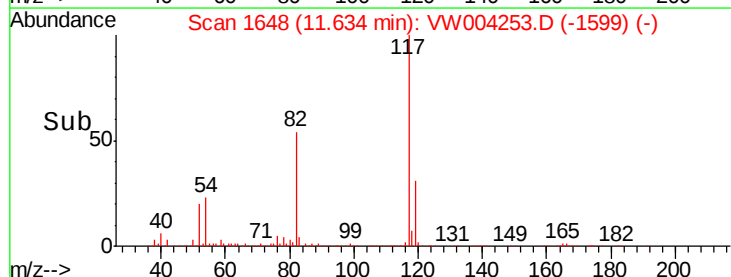
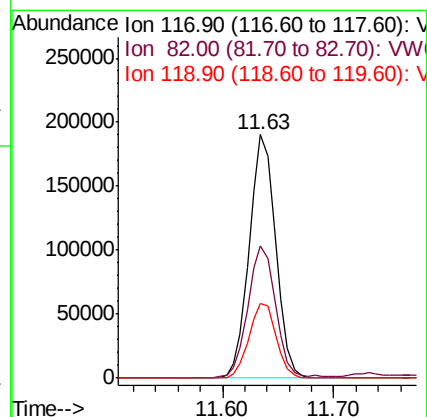
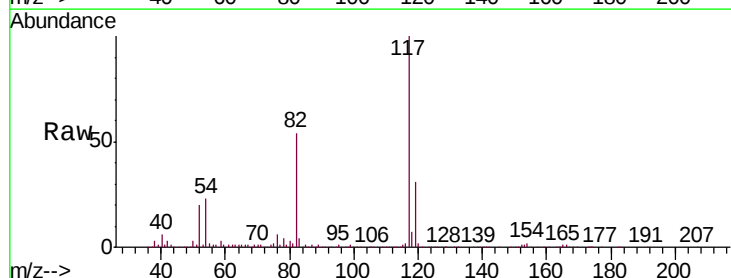
Tgt Ion: 117 Resp: 313444

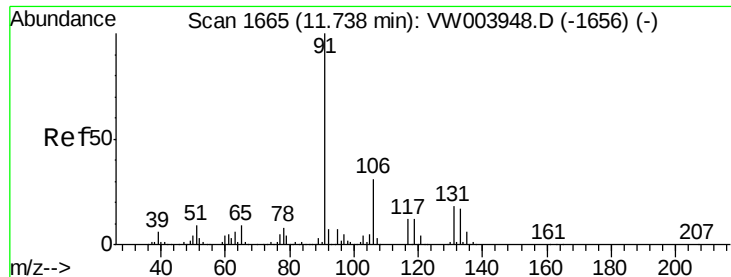
Ion Ratio Lower Upper

117 100

82 54.3 46.5 69.7

119 30.9 26.2 39.2





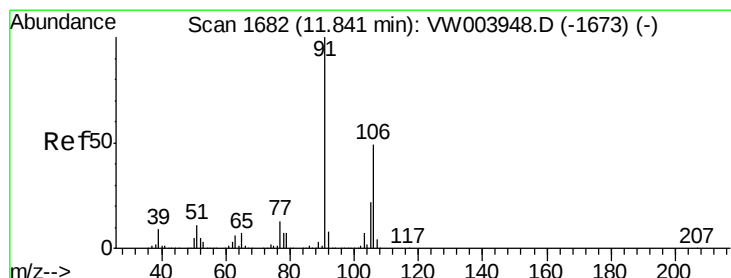
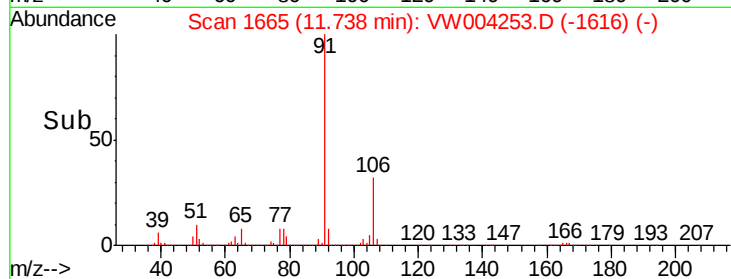
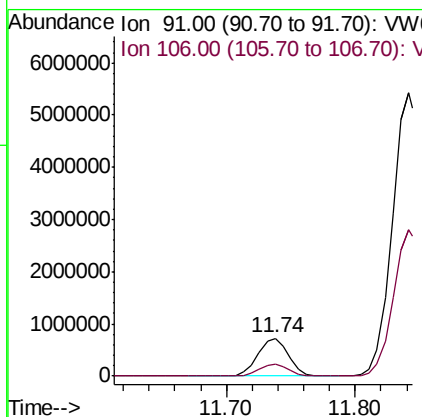
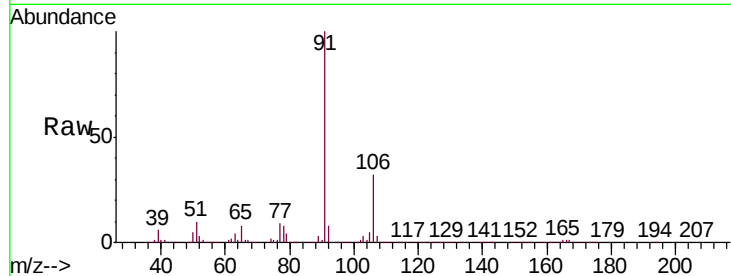
#67
Ethyl Benzene
Concen: 100.838 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004253.D
Acq: 27 Jul 2018 05:27

Instrument :
MSVOA_W
ClientSampleId :
MCMaster-SEDIMENT-7-23-18

Tot Ion: 91 Resp: 1180637
Ion Ratio Lower Upper
91 100
106 32.2 25.0 37.4

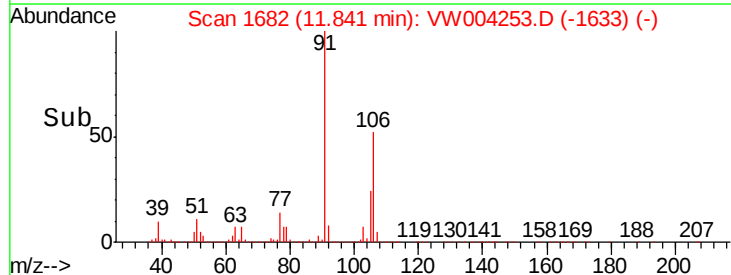
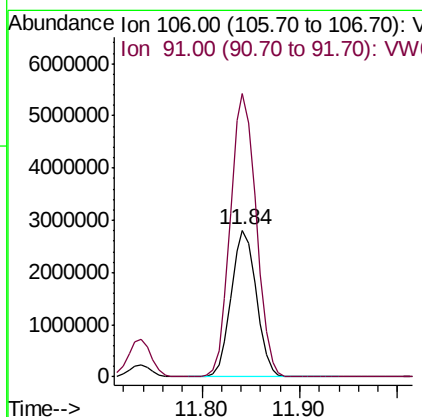
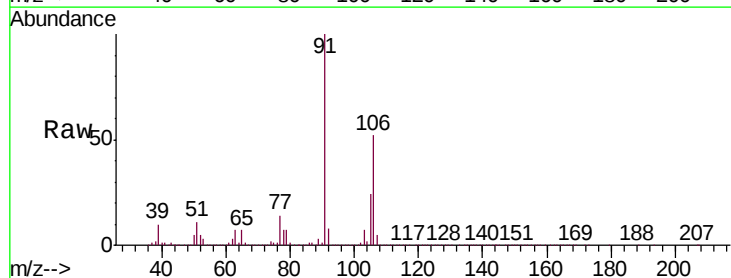
Manual Integrations
APPROVED

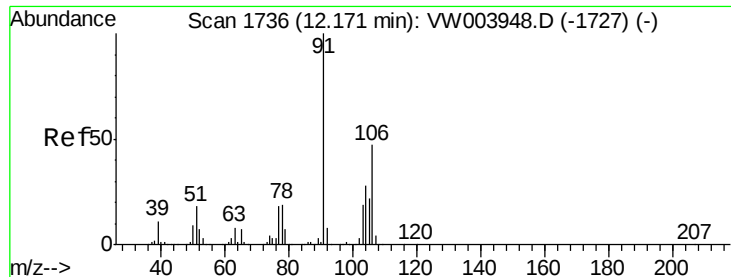
apatel
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#68
m/p-Xylenes
Concen: 1117.380 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VW004253.D
Acq: 27 Jul 2018 05:27

Tgt Ion: 106 Resp: 5000226
Ion Ratio Lower Upper
106 100
91 198.5 164.2 246.2





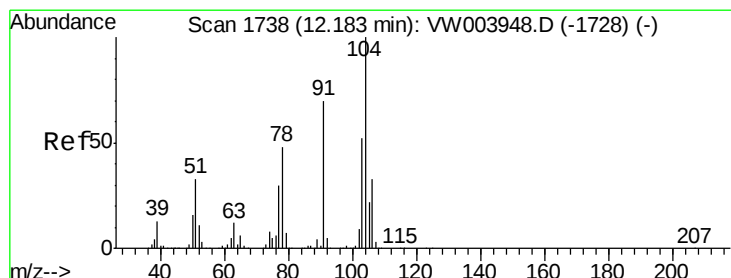
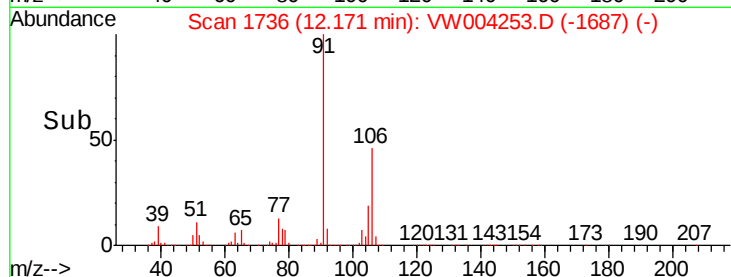
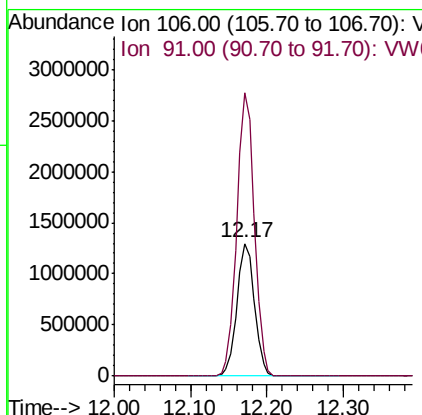
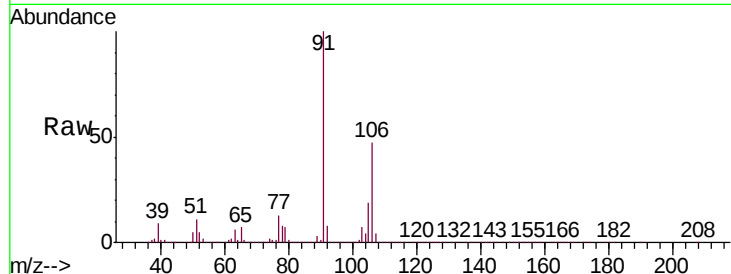
#69
o-Xylene
Concen: 492.495 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004253.D
Acq: 27 Jul 2018 05:27

Instrument :
MSVOA_W
ClientSampleId :
MCMaster-SEDIMENT-7-23-18

Tot Ion:106 Resp: 2044386
Ion Ratio Lower Upper
106 100
91 215.0 107.5 322.6

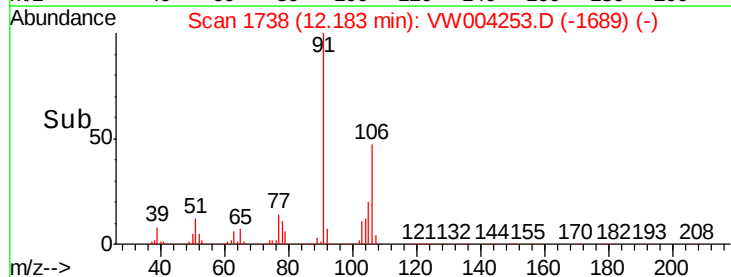
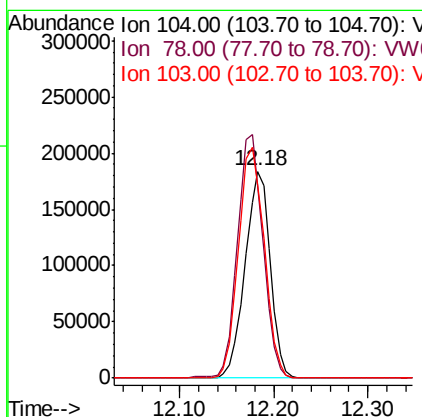
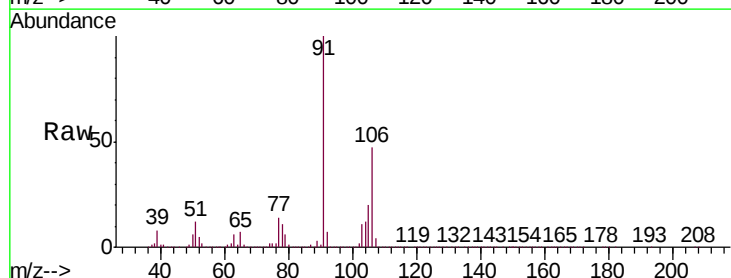
Manual Integrations
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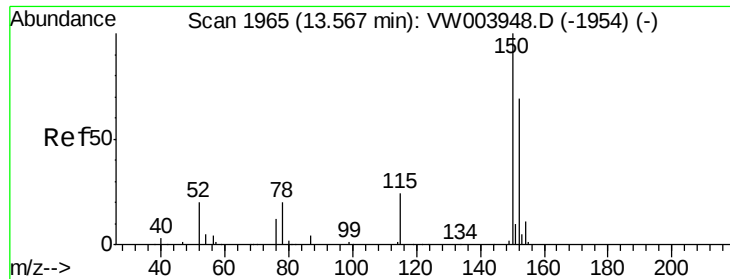
apatel
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#70
Styrene
Concen: 49.585 ug/l
RT: 12.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VW004253.D
Acq: 27 Jul 2018 05:27

Tgt Ion:104 Resp: 343796
Ion Ratio Lower Upper
104 100
78 119.1 41.0 61.4#
103 114.6 44.6 67.0#





#72

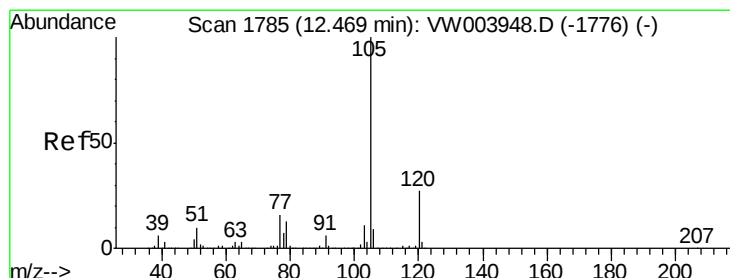
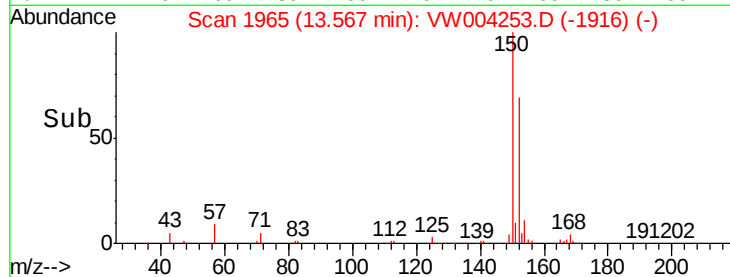
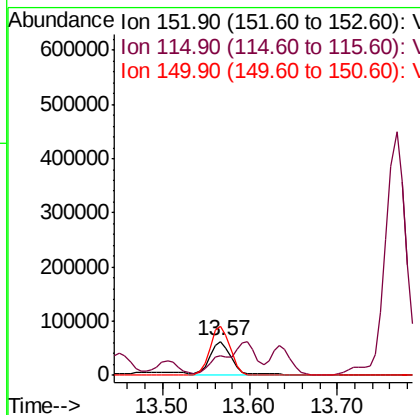
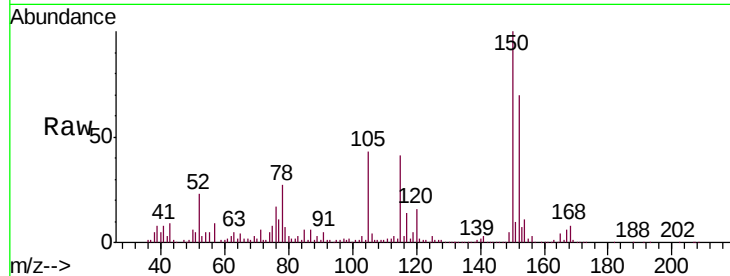
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004253.D
Acq: 27 Jul 2018 05:27

Instrument :
MSVOA_W
ClientSampleId :
MCMaster-SEDIMENT-7-23-18

Tot Ion	Ratio	Lower	Upper
152	100		
115	0.0	29.2	87.6#
150	133.9	0.0	345.2

Manual Integrations
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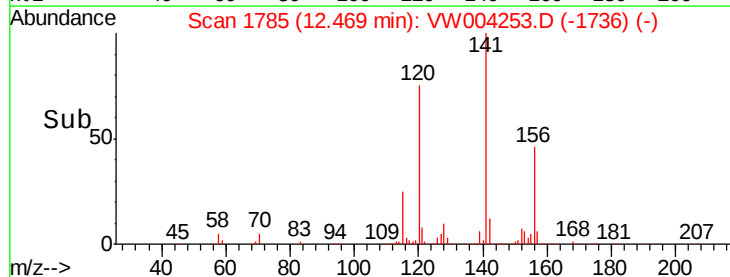
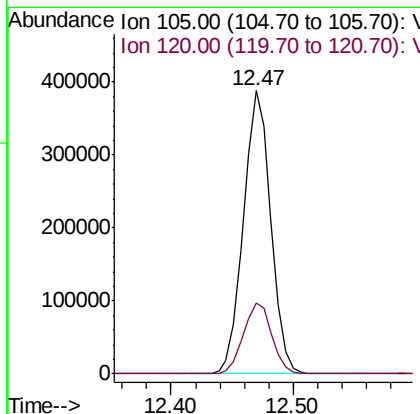
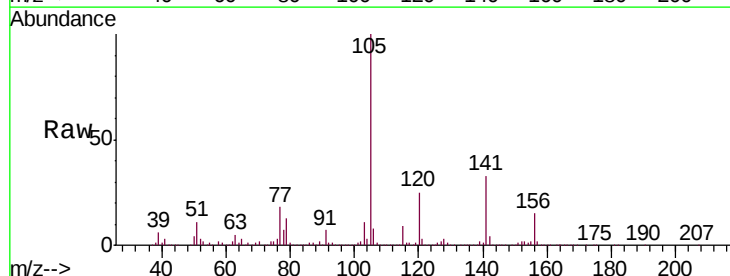
apatel
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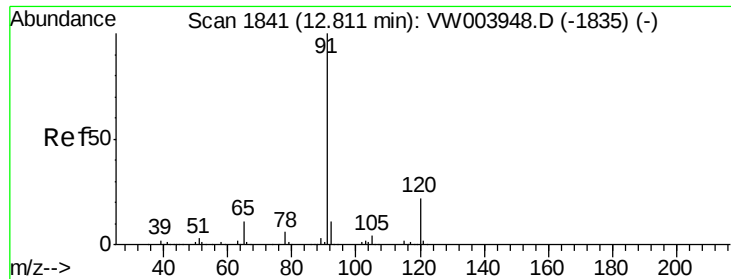


#73

Isopropylbenzene
Concen: 78.843 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VW004253.D
Acq: 27 Jul 2018 05:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.6





#78

n-propylbenzene

Concen: 8.010 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004253.D

Acq: 27 Jul 2018 05:27

Instrument :

MSVOA_W

ClientSampleId :

MCMaster-SEDIMENT-7-23-18

Tot Ion: 91 Resp: 74855

Ion Ratio Lower Upper

91 100

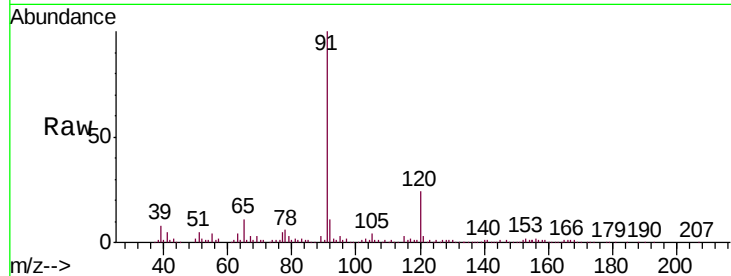
120 0.0 11.2 33.6#

Manual Integrations

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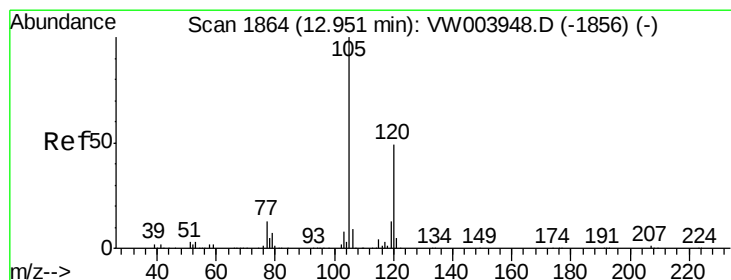
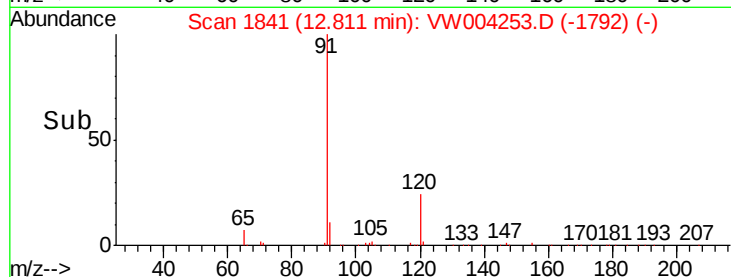
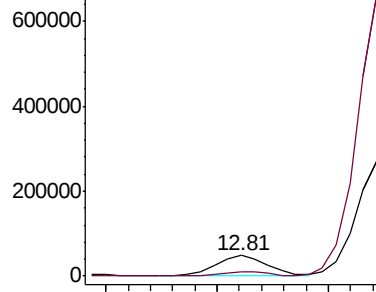
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 532.507 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004253.D

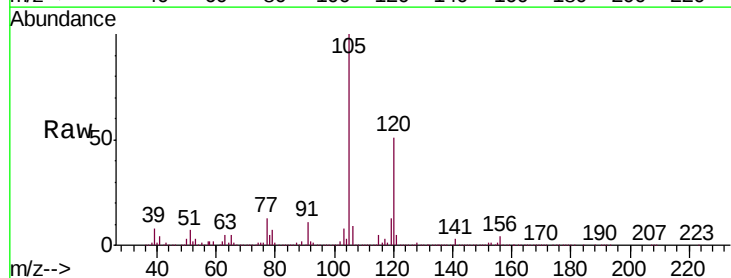
Acq: 27 Jul 2018 05:27

Tgt Ion:105 Resp: 3413671

Ion Ratio Lower Upper

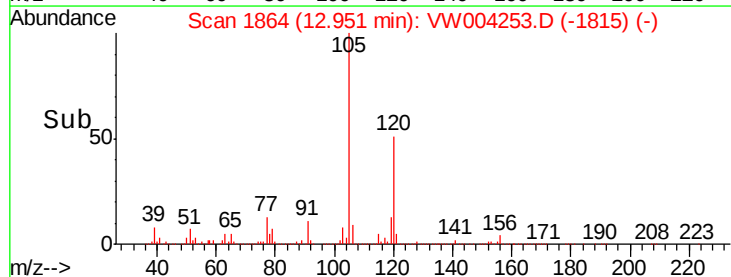
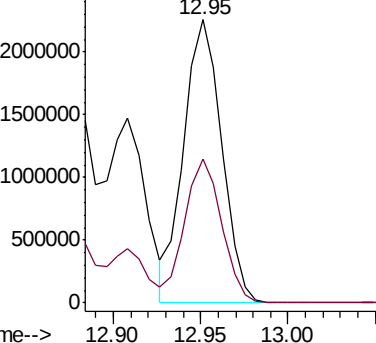
105 100

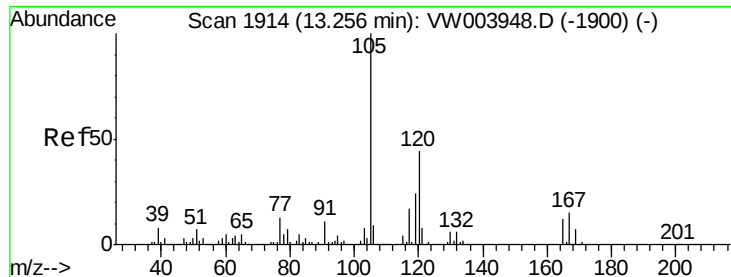
120 49.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





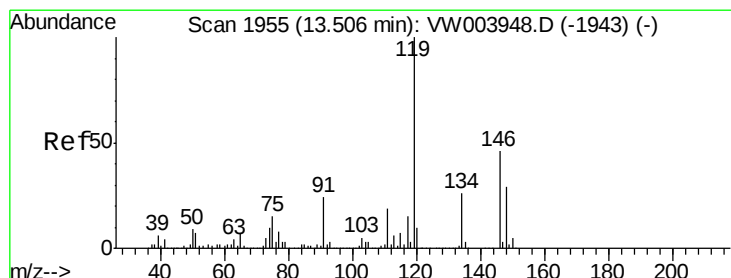
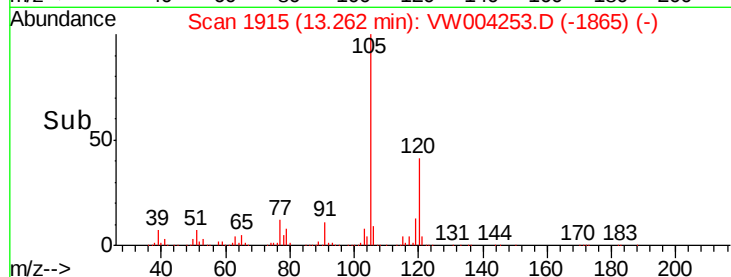
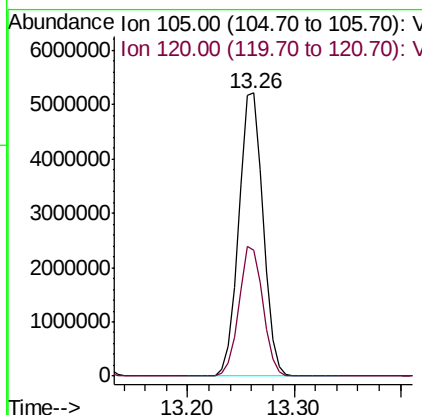
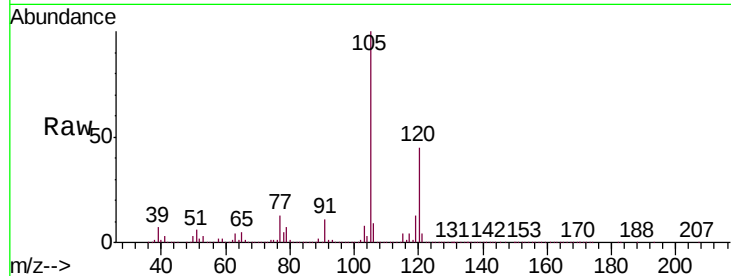
#84
 1,2,4-Trimethylbenzene
 Concen: 1266.197 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: VW004253.D
 Acq: 27 Jul 2018 05:27

Instrument :
 MSVOA_W
 ClientSampleId :
 MCMaster-SEDIMENT-7-23-18

Tot Ion:105 Resp: 8351138
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.1 66.1

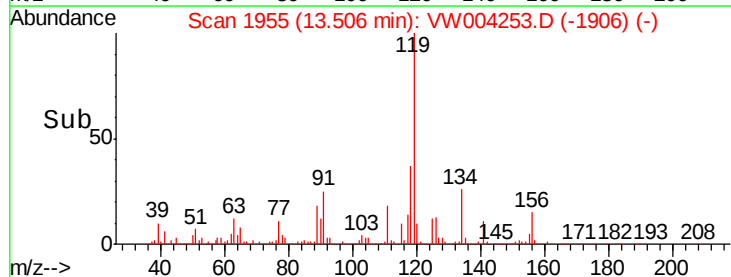
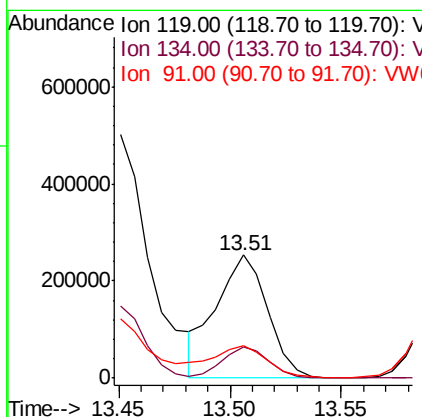
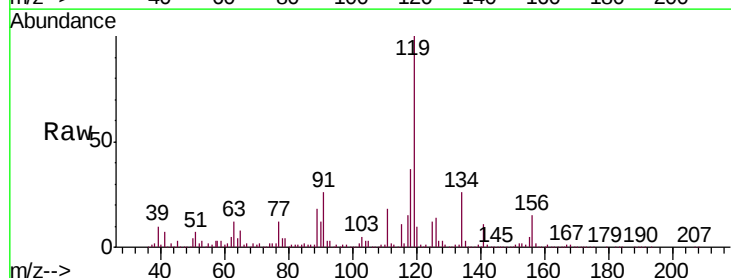
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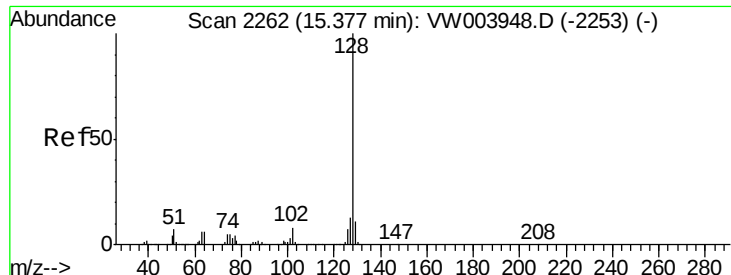
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#86
 p-Isopropyltoluene
 Concen: 58.077 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004253.D
 Acq: 27 Jul 2018 05:27

Tgt Ion:119 Resp: 406809
 Ion Ratio Lower Upper
 119 100
 134 23.0 13.0 38.9
 91 26.7 11.8 35.3





#95
Naphthalene
Concen: 6648.371 ug/l m
RT: 15.37 min Scan# 2261
Delta R.T. -0.01 min
Lab File: VW004253.D
Acq: 27 Jul 2018 05:27

Instrument :
MSVOA_W
ClientSampleId :
MCMaster-SEDIMENT-7-23-18

Tot Ion:128 Resp:27954402
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

Manual Integrations
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