

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111318\
 Data File : VW006864.D
 Acq On : 13 Nov 2018 19:26
 Operator : SY/AP
 Sample : J5906-01RE
 Misc : 9.81G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 06-TANK-SOILRE

Manual Integrations
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 11/14/2018 2:32:42 PM

Quant Time: Nov 14 06:48:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 14:58:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	191911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	273428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	206207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	72137	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	78121	55.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.36%	
35) Dibromofluoromethane	7.89	113	77509	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
50) Toluene-d8	10.33	98	250642	37.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.28%	
62) 4-Bromofluorobenzene	12.62	95	72794	29.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.58%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.34	83	12051	3.630	ug/l	92
67) Ethyl Benzene	11.74	91	17675	2.266	ug/l	96
68) m/p-Xylenes	11.85	106	6195	1.941	ug/l	96
73) Isopropylbenzene	12.47	105	10264	2.050	ug/l	100
78) n-propylbenzene	12.81	91	43191	7.308	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	25302	5.878	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	91730	20.940	ug/l	100
85) sec-Butylbenzene	13.39	105	8697	1.613	ug/l #	59
86) p-Isopropyltoluene	13.51	119	5761	1.175	ug/l	98
89) n-Butylbenzene	13.83	91	15513m	3.461	ug/l	
95) Naphthalene	15.38	128	32621	12.893	ug/l #	87

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

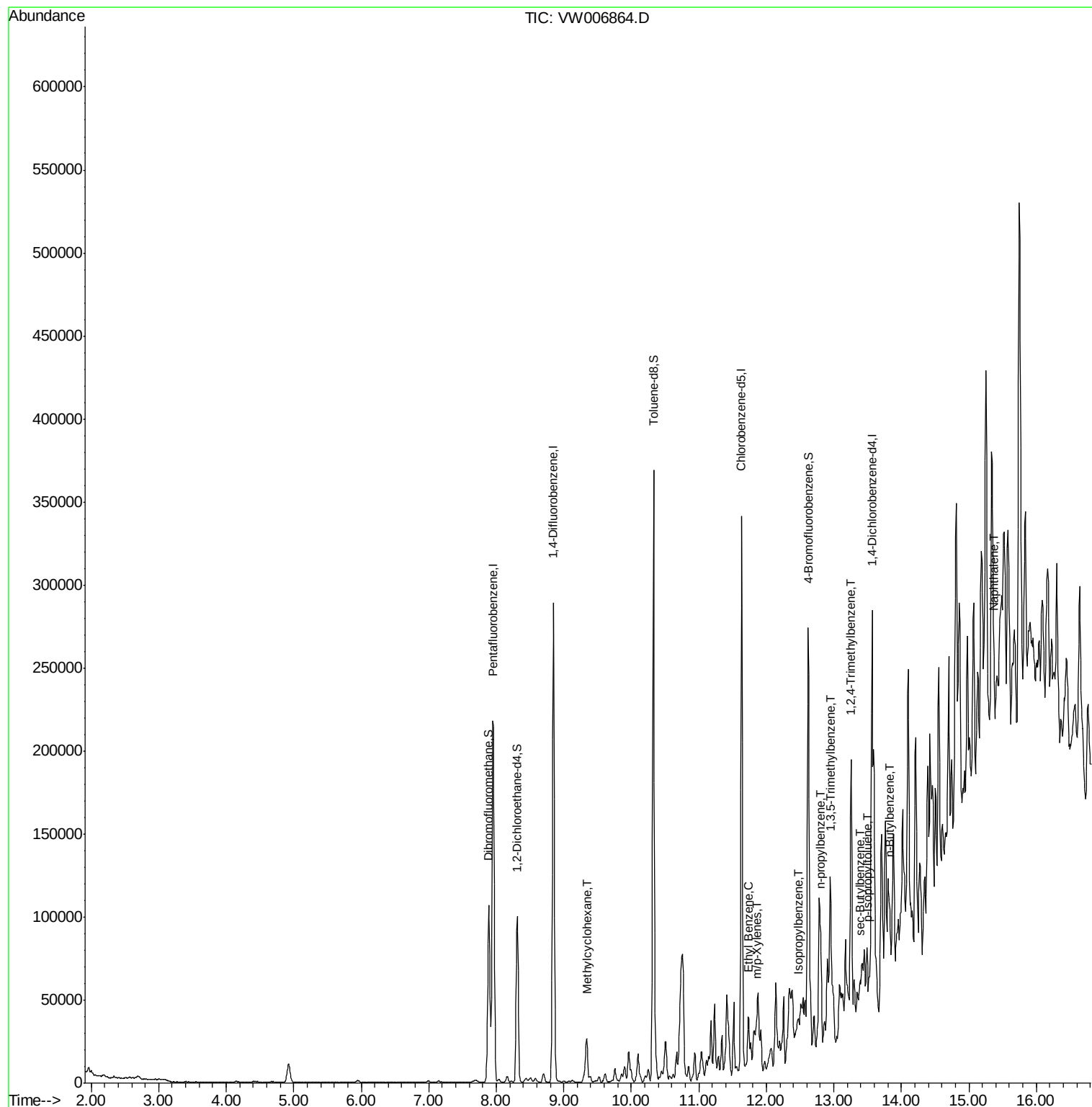
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111318\
Data File : VW006864.D
Acq On : 13 Nov 2018 19:26
Operator : SY/AP
Sample : J5906-01RE
Misc : 9.81G/5ML/MSVOA W/SOIL
ALS Vial : 21 Sample Multiplier: 1

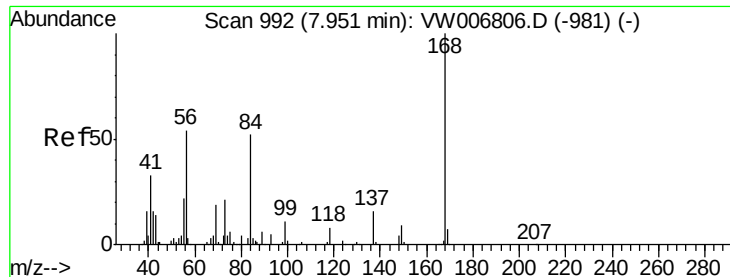
Instrument :
MSVOA_W
ClientSampleId :
06-TANK-SOILRE

Manual Integrations
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Quant Time: Nov 14 06:48:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 12 14:58:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006864.D

Acq: 13 Nov 2018 19:26

Instrument :

MSVOA_W

ClientSampleId :

06-TANK-SOILRE

Tot Ion:168 Resp: 191911

Ion Ratio Lower Upper

168 100

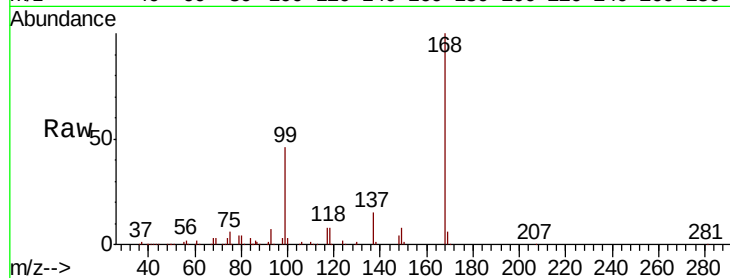
99 45.7 37.3 55.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

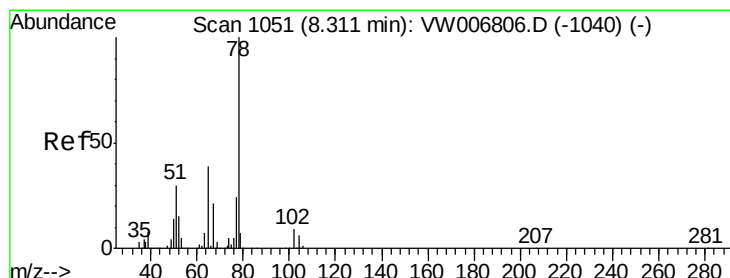
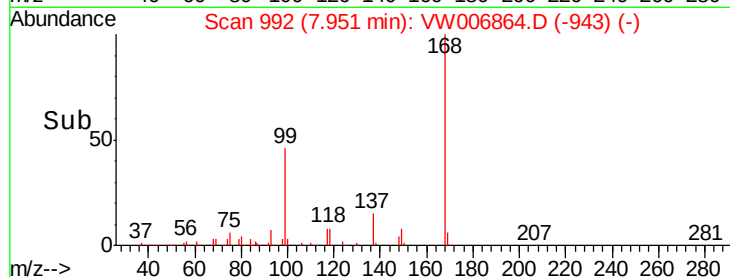
40000

20000

0

7.90 8.00 8.10

Time-->



#33

1,2-Dichloroethane-d4

Concen: 55.684 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006864.D

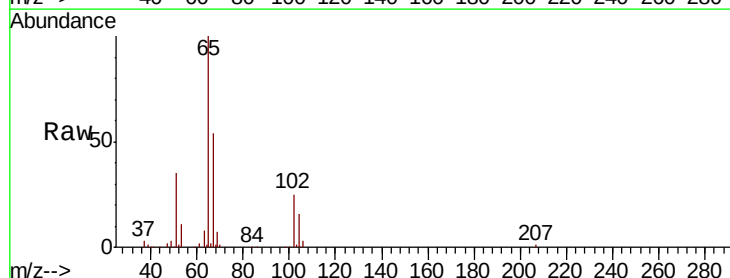
Acq: 13 Nov 2018 19:26

Tgt Ion: 65 Resp: 78121

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

40000

30000

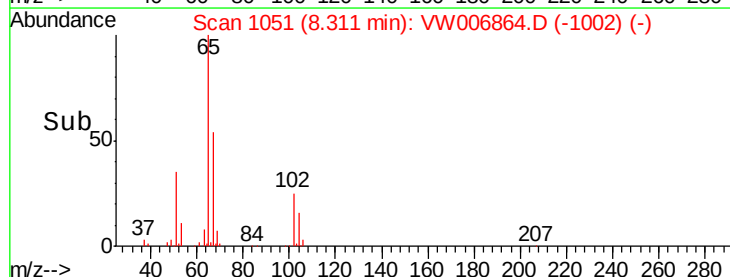
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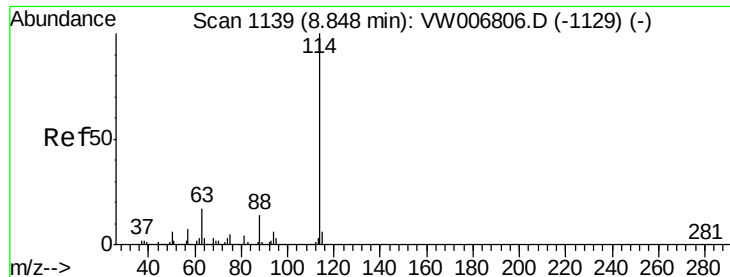
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8.20 8.30 8.40

Time-->





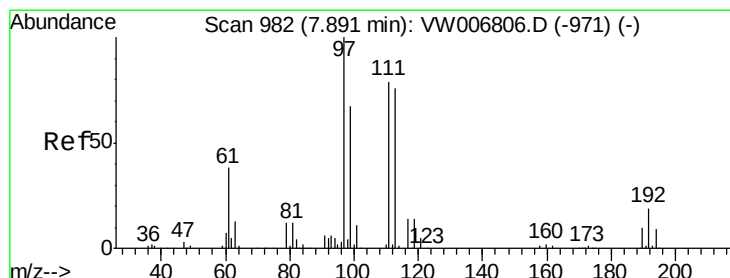
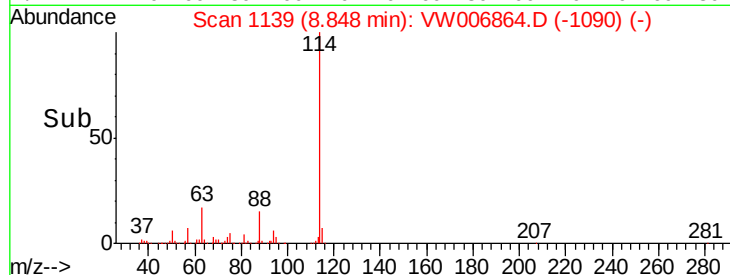
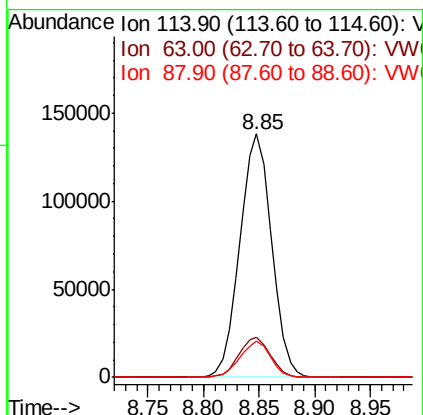
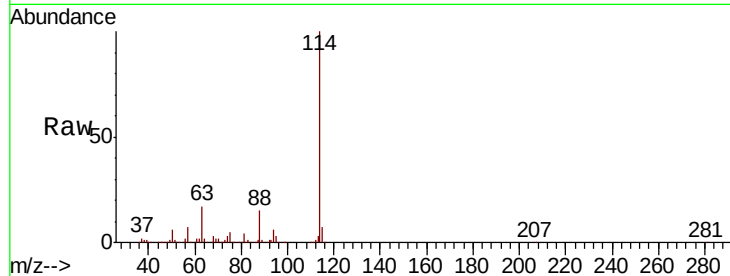
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006864.D
 Acq: 13 Nov 2018 19:26

Instrument :
 MSVOA_W
 ClientSampleId :
 06-TANK-SOILRE

Tot Ion	Ratio	Resp	Lower	Upper
114	100	273428		
63	16.6		0.0	33.6
88	14.9		0.0	28.4

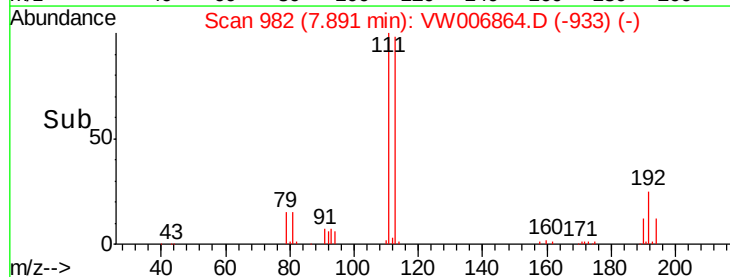
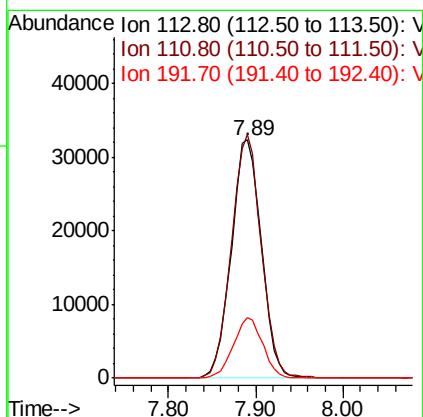
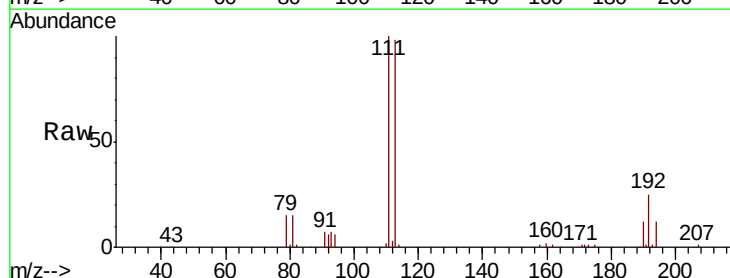
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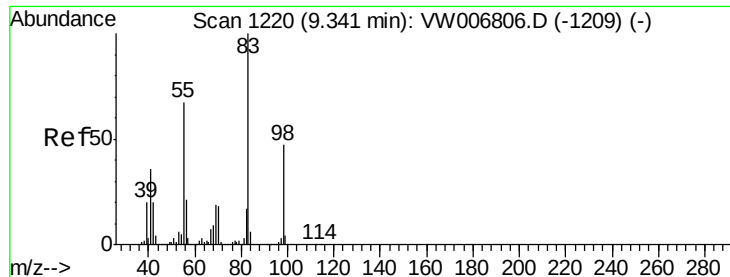
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#35
 Dibromofluoromethane
 Concen: 47.605 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW006864.D
 Acq: 13 Nov 2018 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	77509		
111	101.1		81.0	121.6
192	24.8		19.0	28.6





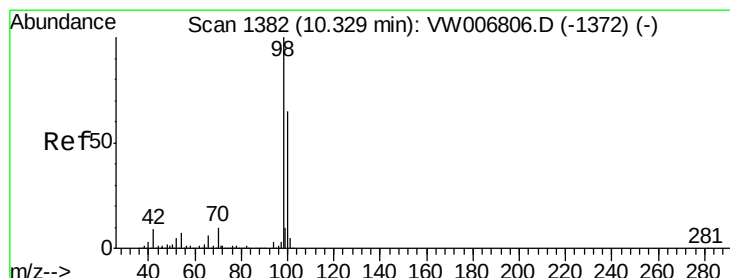
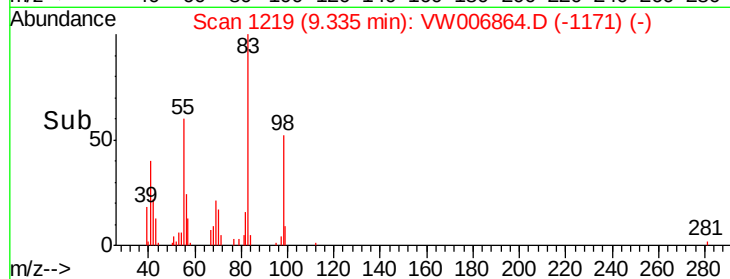
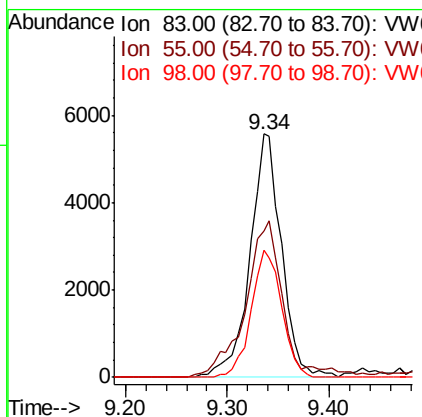
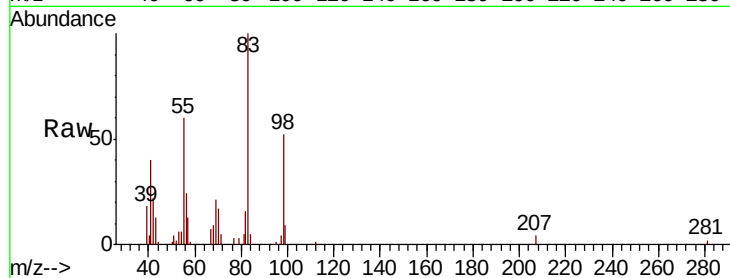
#39
Methylvlcyclohexane
Concen: 3.630 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006864.D
Acq: 13 Nov 2018 19:26

Instrument :
MSVOA_W
ClientSampleId :
06-TANK-SOILRE

Tot Ion	Ratio	Lower	Upper
83	100		
55	60.2	53.3	79.9
98	52.0	37.9	56.9

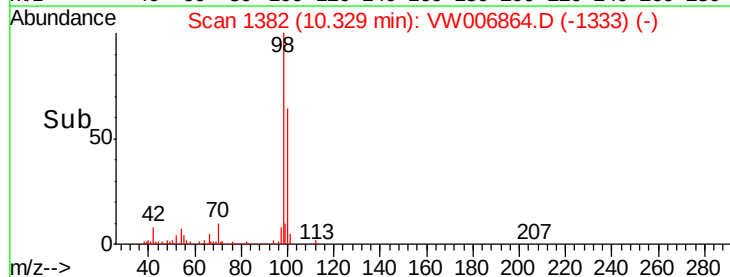
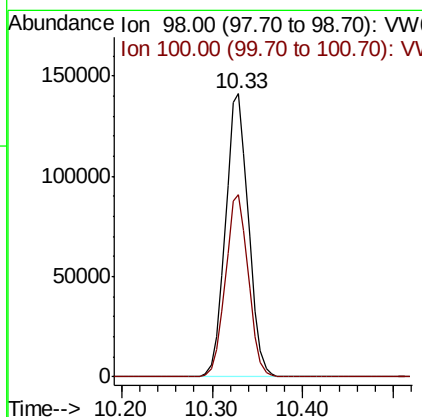
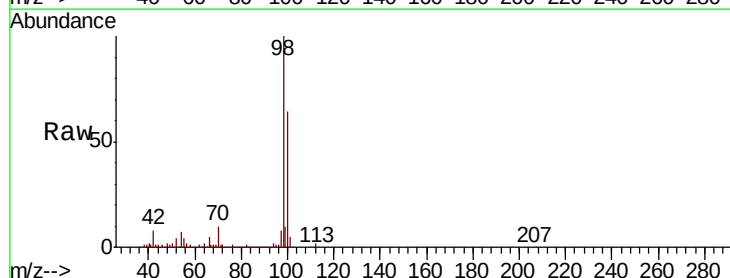
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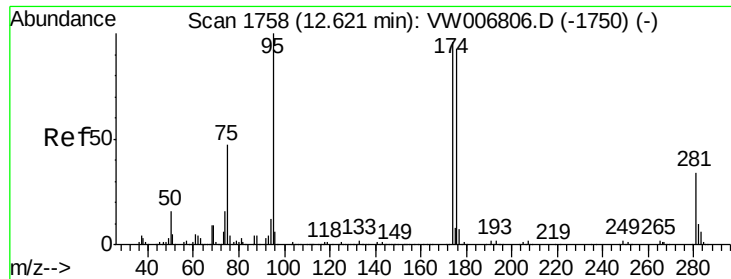
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#50
Toluene-d8
Concen: 37.140 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006864.D
Acq: 13 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.2





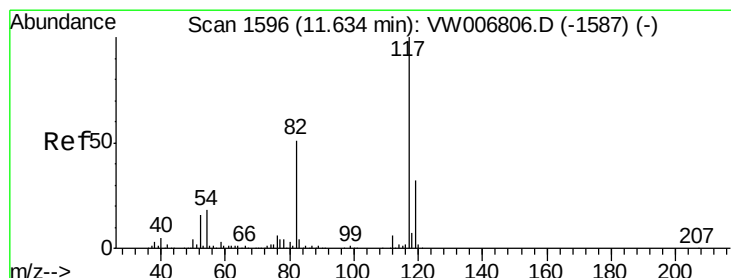
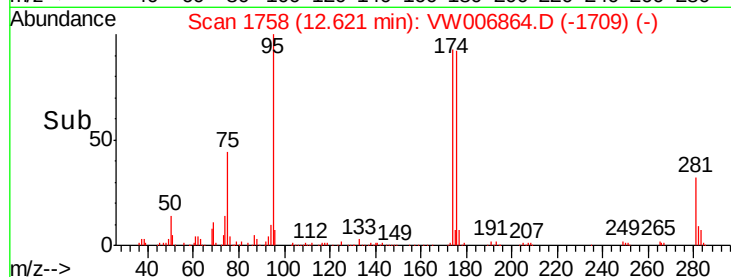
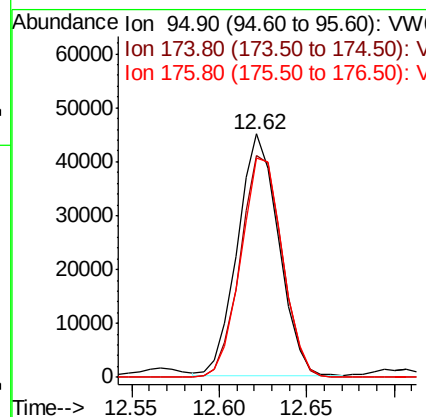
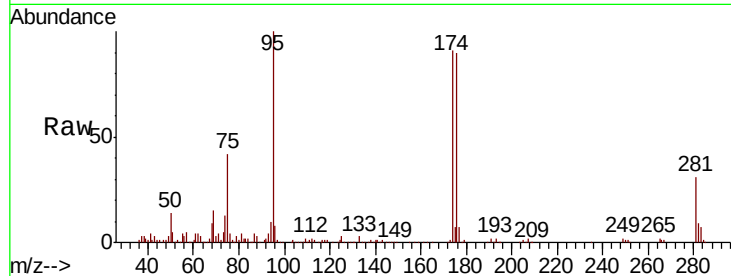
#62
4-Bromofluorobenzene
Concen: 29.286 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006864.D
Acq: 13 Nov 2018 19:26

Instrument :
MSVOA_W
ClientSampleId :
06-TANK-SOILRE

Tot Ion	Ratio	Resp	Lower	Upper
95	100	72794		
174	93.8	0.0	196.6	
176	92.6	0.0	191.6	

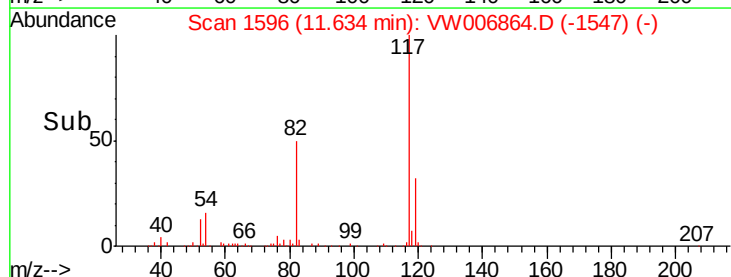
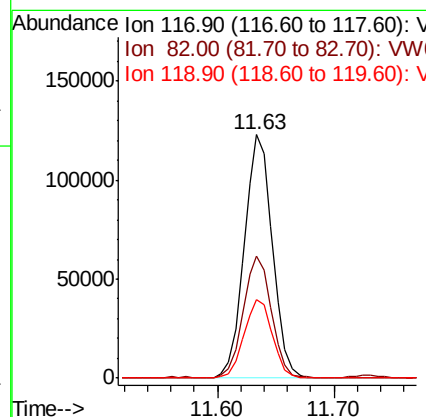
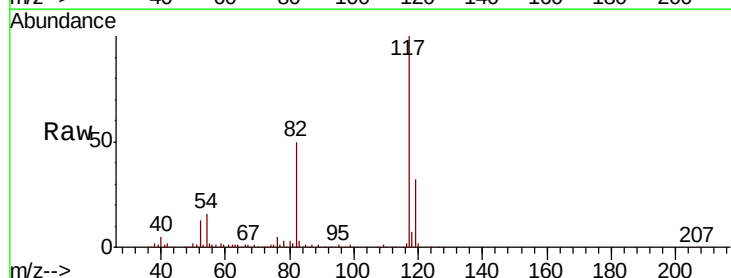
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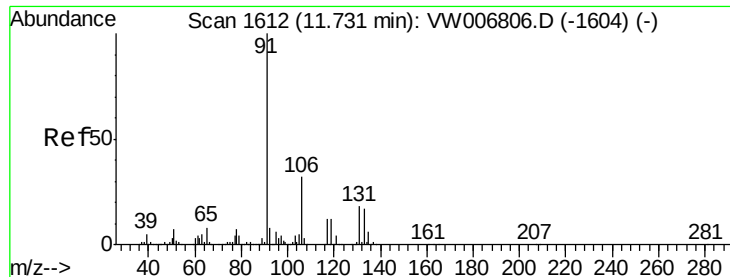
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006864.D
Acq: 13 Nov 2018 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	206207		
82	50.0	40.6	61.0	
119	32.4	25.5	38.3	





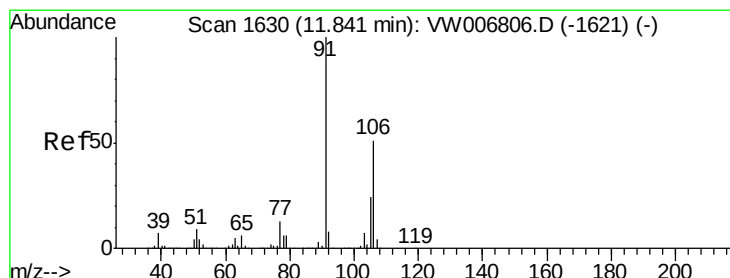
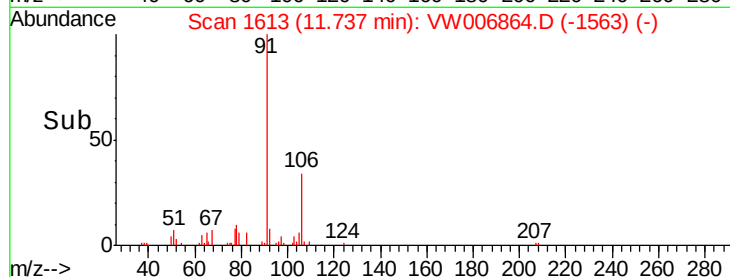
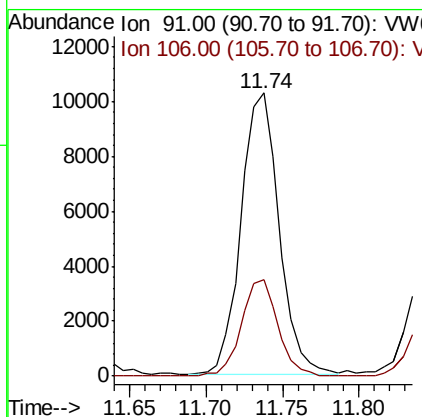
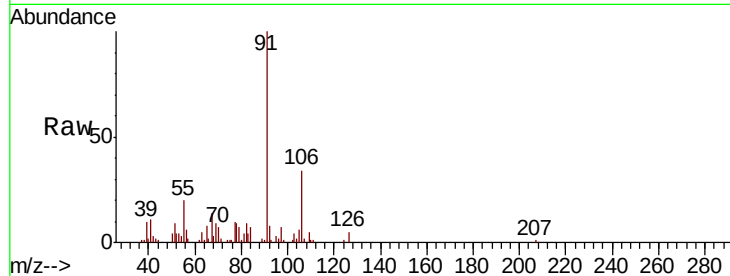
#67
Ethyl Benzene
Concen: 2.266 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006864.D
Acq: 13 Nov 2018 19:26

Instrument :
MSVOA_W
ClientSampleId :
06-TANK-SOILRE

Tot Ion: 91 Resp: 17675
Ion Ratio Lower Upper
91 100
106 34.2 25.4 38.0

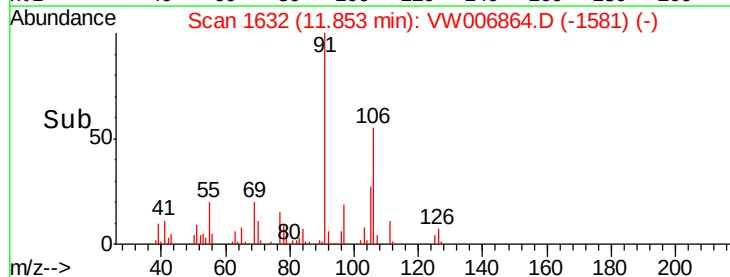
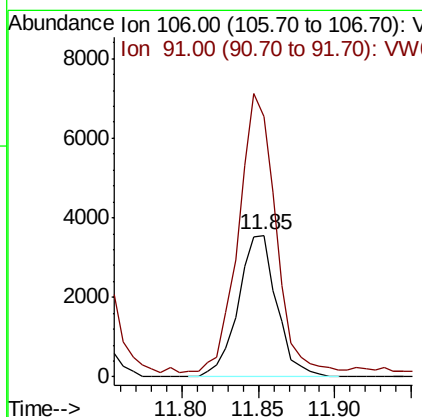
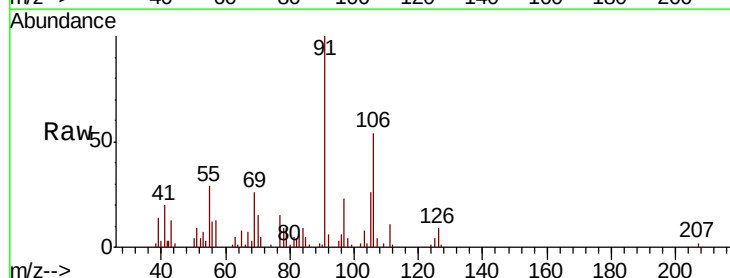
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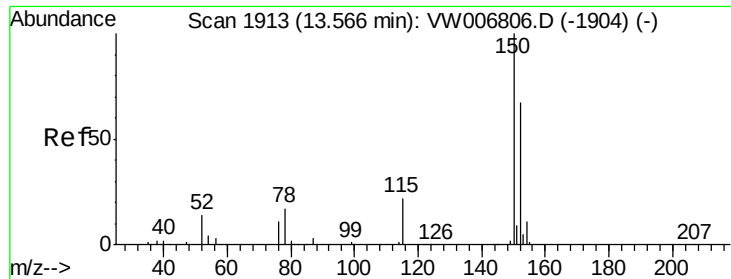
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#68
m/p-Xylenes
Concen: 1.941 ug/l
RT: 11.85 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VW006864.D
Acq: 13 Nov 2018 19:26

Tgt Ion: 106 Resp: 6195
Ion Ratio Lower Upper
106 100
91 188.7 155.7 233.5





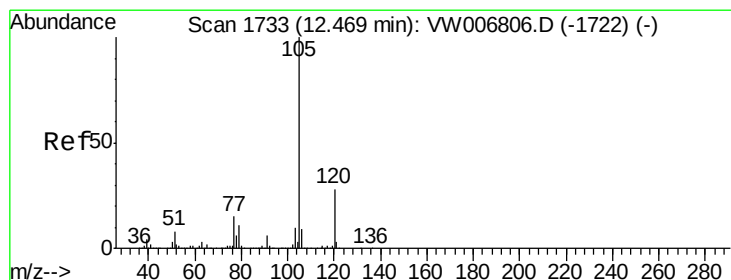
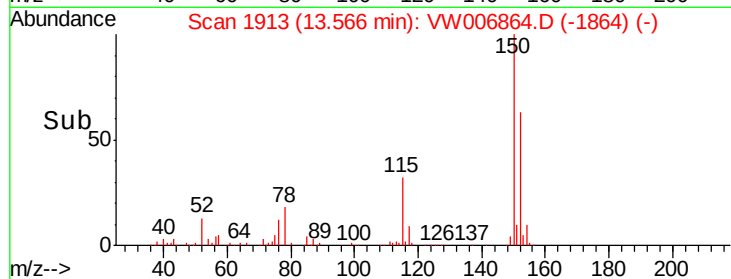
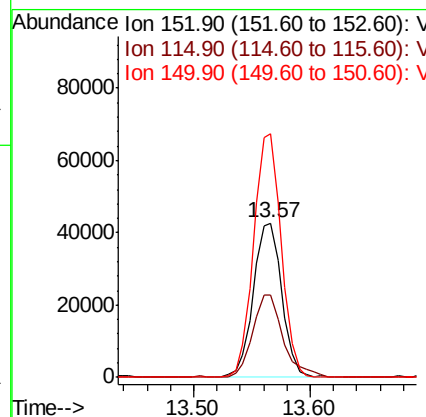
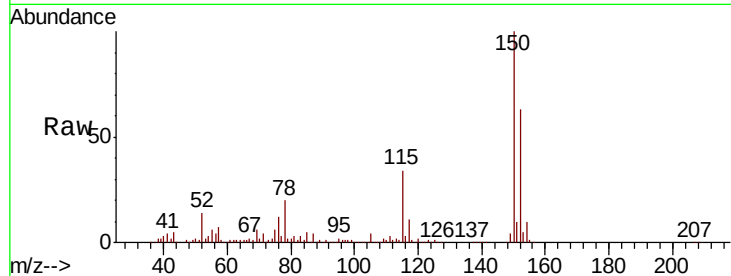
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: VW006864.D
 Acq: 13 Nov 2018 19:26

Instrument :
 MSVOA_W
 ClientSampleId :
 06-TANK-SOILRE

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.9	27.3	81.8
150	154.1	0.0	353.0

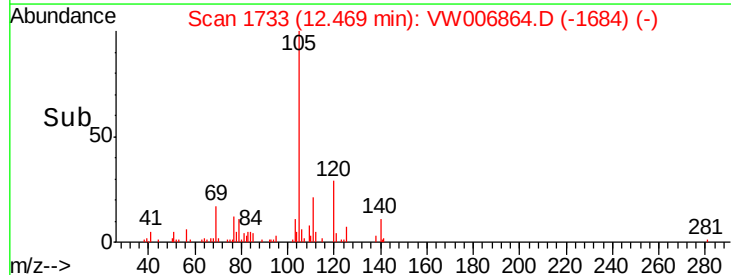
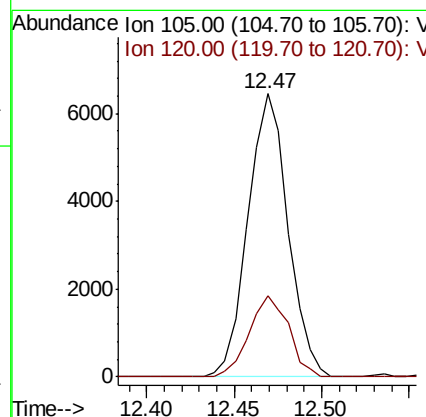
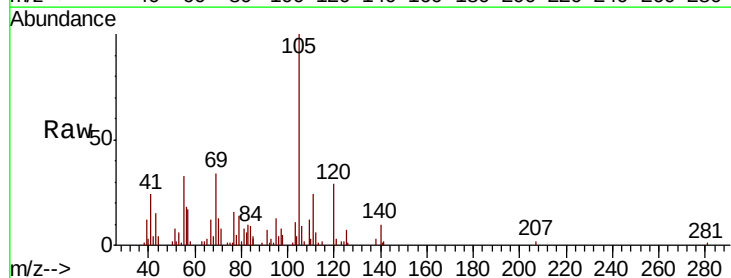
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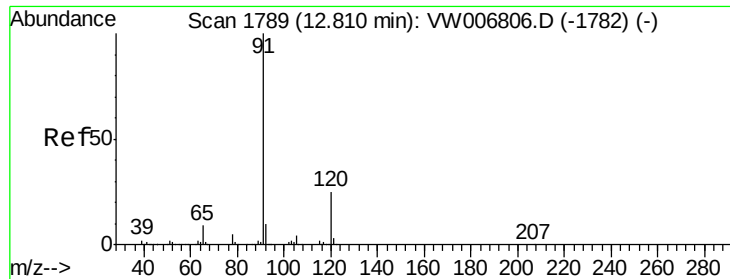
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#73
 Isopropylbenzene
 Concen: 2.050 ug/l
 RT: 12.47 min Scan# 1733
 Delta R.T. 0.00 min
 Lab File: VW006864.D
 Acq: 13 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.0	14.0	42.0





#78

n-propylbenzene

Concen: 7.308 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006864.D

Acq: 13 Nov 2018 19:26

Instrument :

MSVOA_W

ClientSampleId :

06-TANK-SOILRE

Tot Ion: 91 Resp: 43191

Ion Ratio Lower Upper

91 100

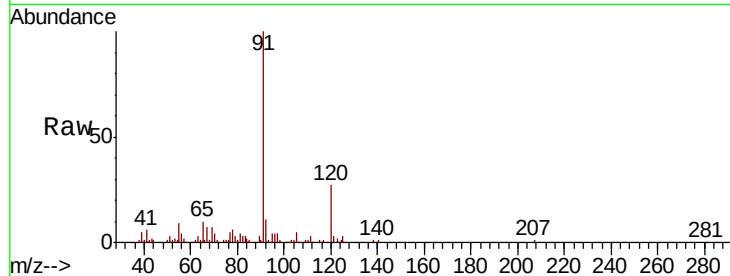
120 25.1 12.4 37.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

12.81

30000

25000

20000

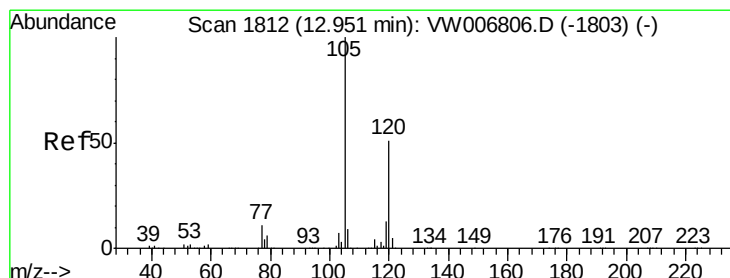
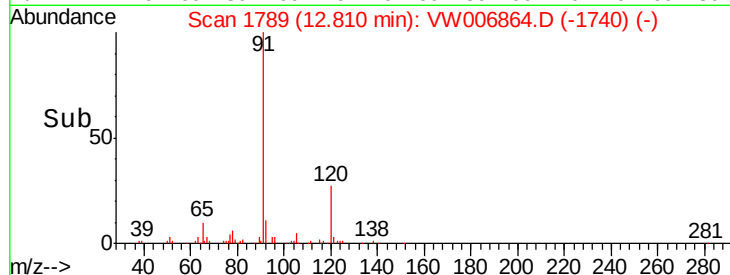
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10000

5000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.878 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006864.D

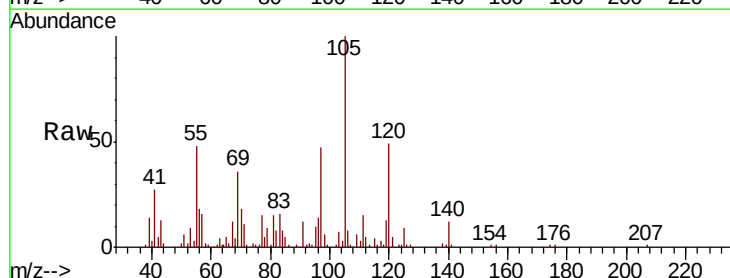
Acq: 13 Nov 2018 19:26

Tgt Ion:105 Resp: 25302

Ion Ratio Lower Upper

105 100

120 50.9 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.95

20000

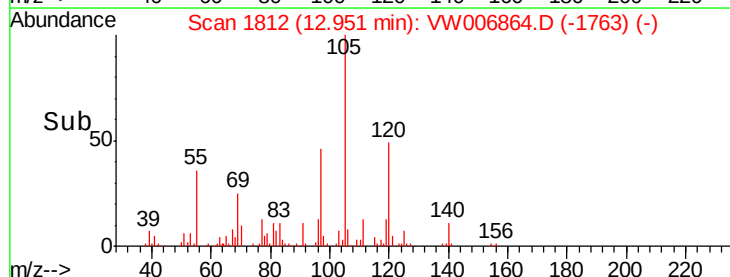
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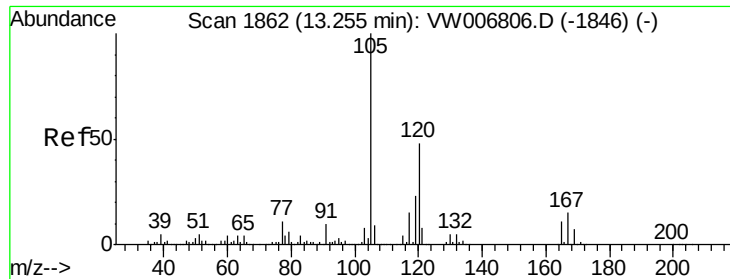
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5000

0

Time-->





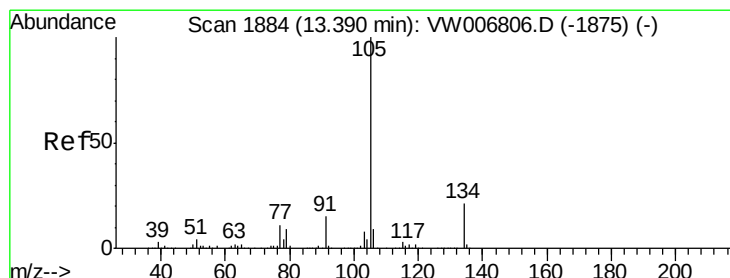
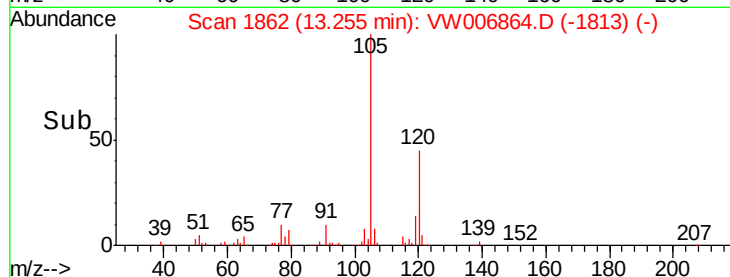
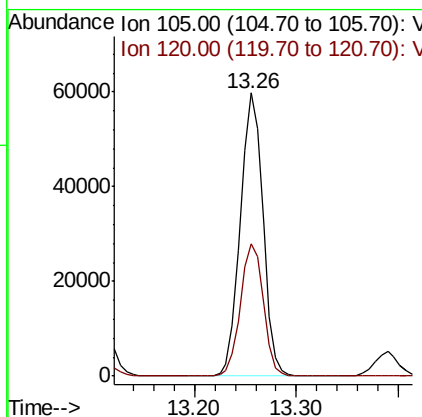
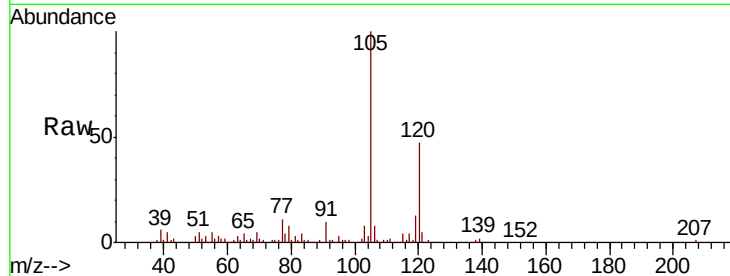
#84
 1,2,4-Trimethylbenzene
 Concen: 20.940 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006864.D
 Acq: 13 Nov 2018 19:26

Instrument :
 MSVOA_W
 ClientSampleId :
 06-TANK-SOILRE

Tot Ion:105 Resp: 91730
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.4 70.0

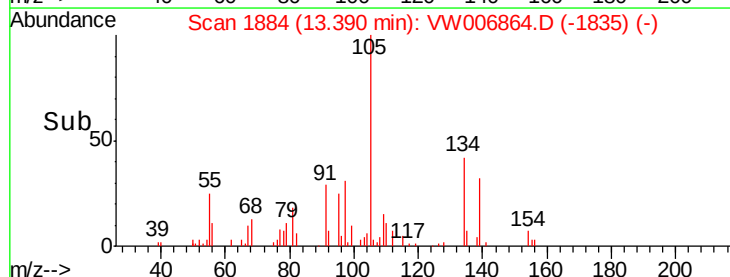
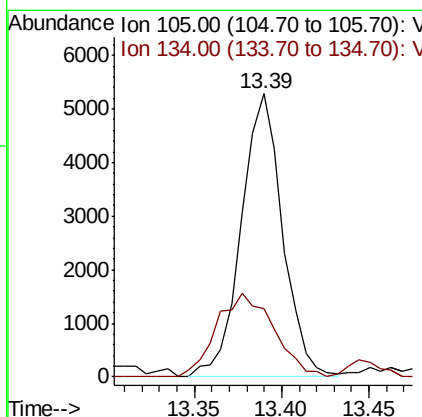
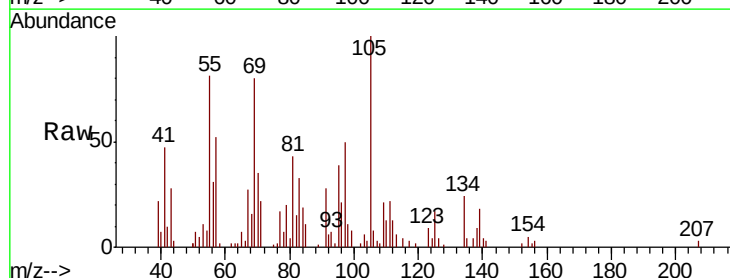
Manual Integrations
 APPROVED

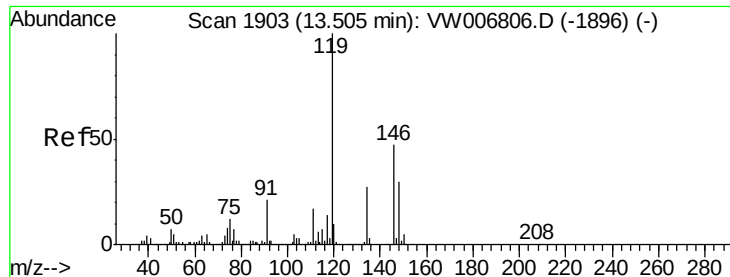
apatel
 11/14/2018 2:32:42 PM



#85
 sec-Butylbenzene
 Concen: 1.613 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006864.D
 Acq: 13 Nov 2018 19:26

Tgt Ion:105 Resp: 8697
 Ion Ratio Lower Upper
 105 100
 134 40.8 10.7 31.9#





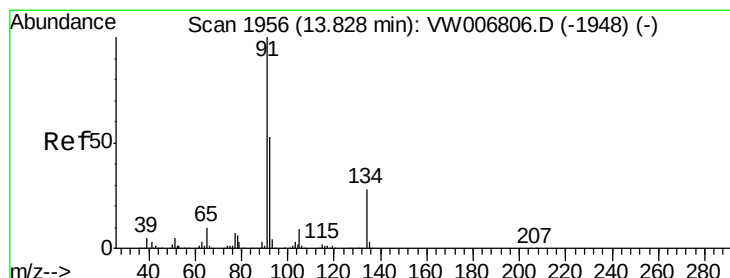
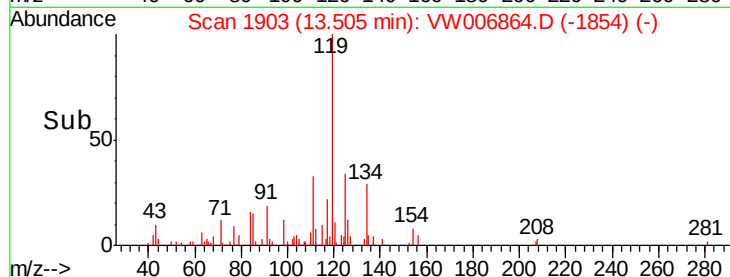
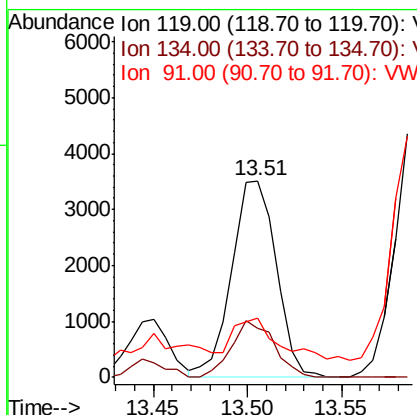
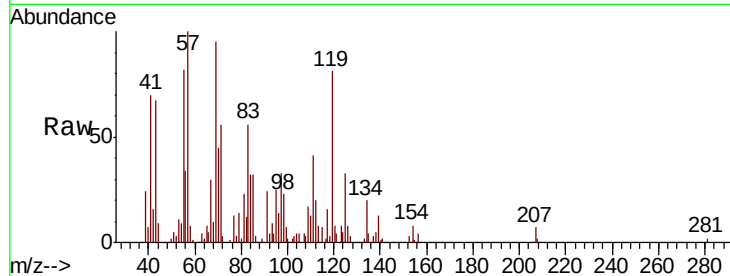
#86
 p-Isopropyltoluene
 Concen: 1.175 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006864.D
 Acq: 13 Nov 2018 19:26

Instrument :
 MSVOA_W
 ClientSampleId :
 06-TANK-SOILRE

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.7	13.5	40.4
91	20.3	10.8	32.4

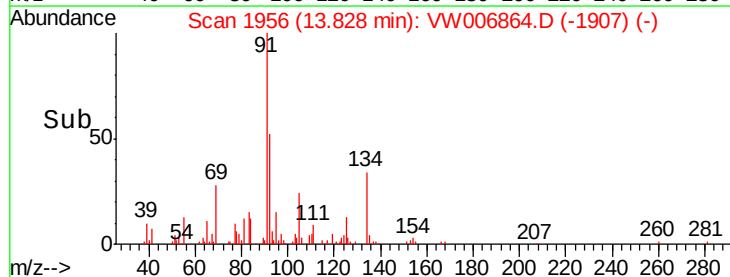
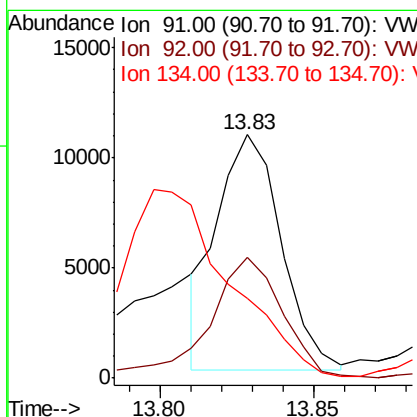
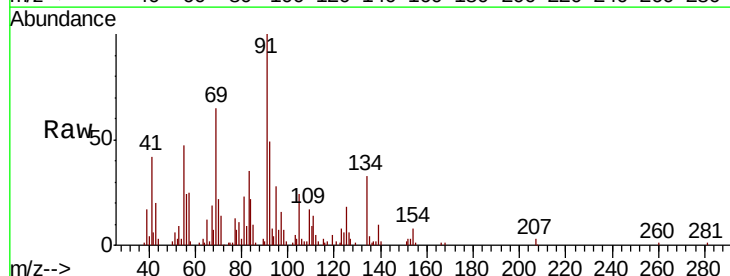
Manual Integrations
 APPROVED

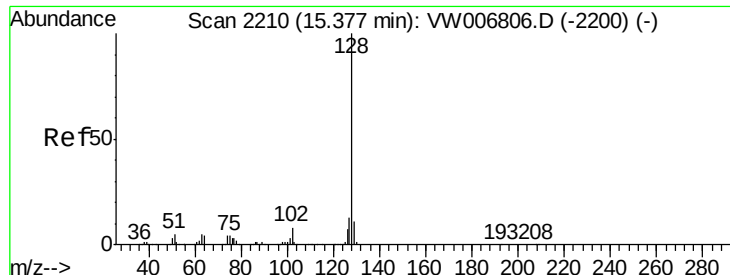
apatel
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#89
 n-Butylbenzene
 Concen: 3.461 ug/l m
 RT: 13.83 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW006864.D
 Acq: 13 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.4	26.5	79.4
134	0.0	14.4	43.2





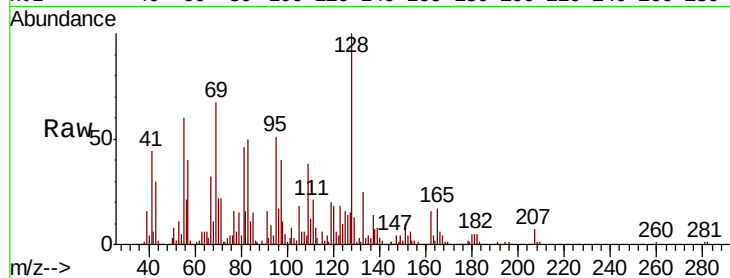
#95
Naphthalene
Concen: 12.893 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006864.D
Acq: 13 Nov 2018 19:26

Instrument :
MSVOA_W
ClientSampleId :
06-TANK-SOILRE

Tot Ion	Ratio	Lower	Upper
128	100		
127	20.9	10.3	15.5#
129	12.2	8.6	13.0

Manual Integrations
APPROVED

apatel
11/14/2018 2:32:42 PM



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

