

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059599.D
 Acq On : 20 Jul 2018 23:44
 Operator : VA/AP
 Sample : J4051-03RE
 Misc : 5.61g/5mL/MSVOA F/SOIL
 ALS Vial : 94 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 NS-SOILRE

Manual Integrations
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Quant Time: Jul 21 04:10:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	196092	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	297297	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	223645	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	41735	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	143928	47.19	ug/l	-0.01
Spiked Amount 50.000			Recovery =	94.38%		
35) Dibromofluoromethane	4.28	113	125108	48.59	ug/l	-0.02
Spiked Amount 50.000			Recovery =	97.18%		
50) Toluene-d8	7.71	98	210017	32.38	ug/l	-0.02
Spiked Amount 50.000			Recovery =	64.76%		
62) 4-Bromofluorobenzene	11.51	95	79806	23.46	ug/l	-0.01
Spiked Amount 50.000			Recovery =	46.92%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
30) Chloroform	4.04	83	5096	1.11	ug/l	98
52) Toluene	7.77	92	228449	54.56	ug/l	99
67) Ethyl Benzene	10.04	91	10383	1.39	ug/l	99
68) m/p-Xylenes	10.27	106	20202	7.67	ug/l	96
69) o-Xylene	10.83	106	11303	4.03	ug/l	85
73) Isopropylbenzene	11.22	105	2842	1.08	ug/l	90
78) n-propylbenzene	11.69	91	8446	2.80	ug/l	86
80) 1,3,5-Trimethylbenzene	11.91	105	36272	16.44	ug/l	90
84) 1,2,4-Trimethylbenzene	12.29	105	97212	42.82	ug/l	97
86) p-Isopropyltoluene	12.54	119	5154m	2.20	ug/l	
95) Naphthalene	14.53	128	8584	5.61	ug/l #	91

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

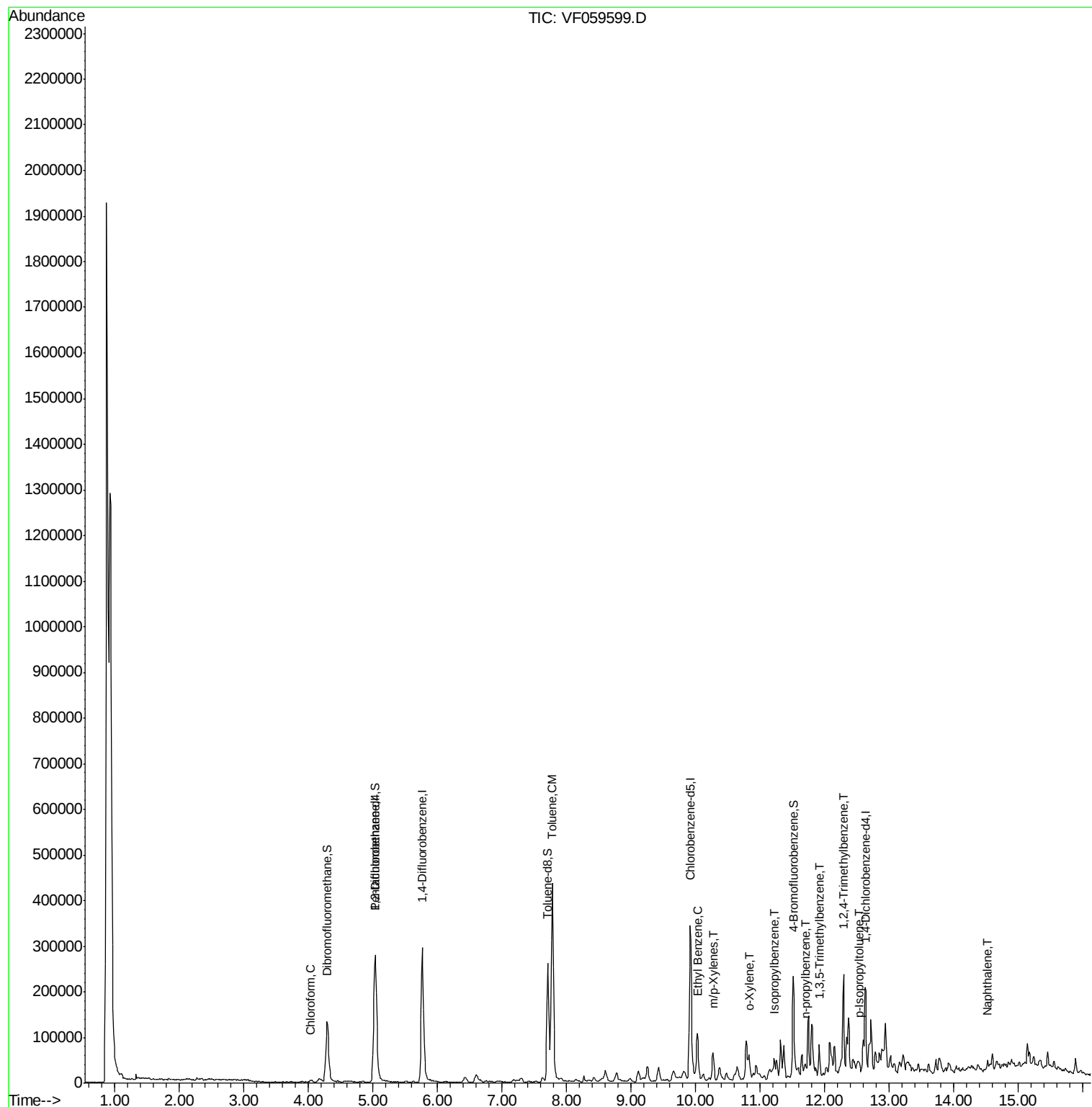
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF072018\
Data File : VF059599.D
Acq On : 20 Jul 2018 23:44
Operator : VA/AP
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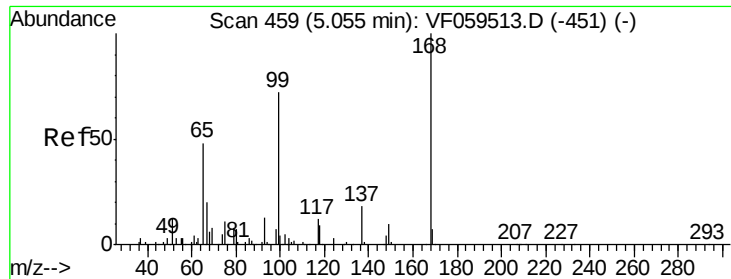
Instrument :
MSVOA_F
ClientSampleId :
NS-SOILRE

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Quant Time: Jul 21 04:10:28 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration





#1

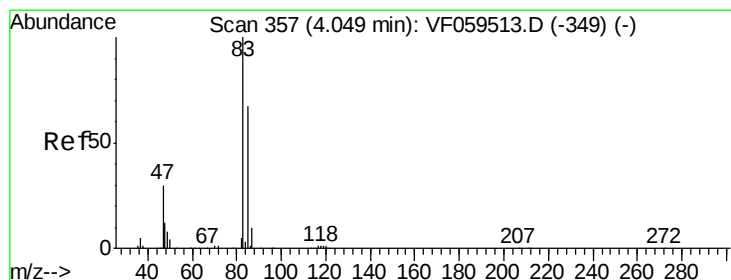
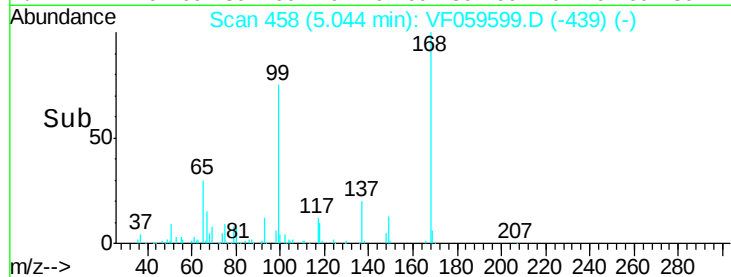
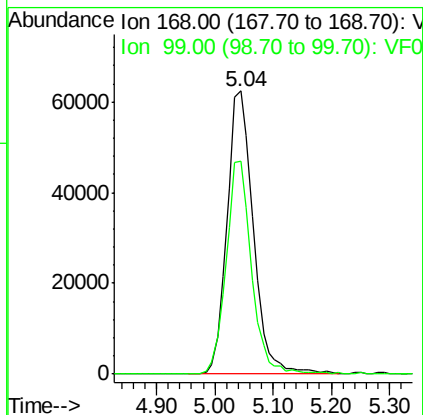
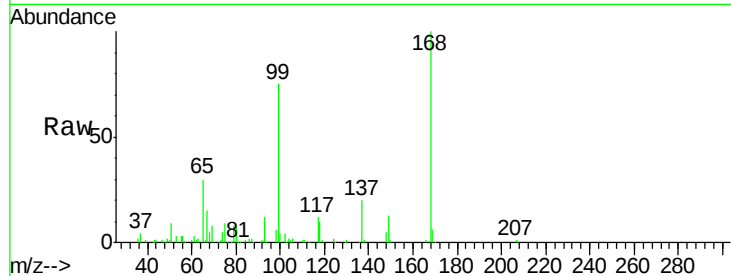
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.04 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VF059599.D
 Acq: 20 Jul 2018 23:44

Instrument :
 MSVOA_F
 ClientSampleId :
 NS-SOILRE

Tot Ion	Ratio	Lower	Upper
168	100		
99	75.4	57.6	86.4

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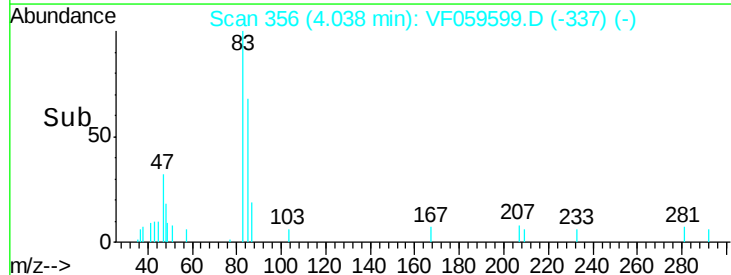
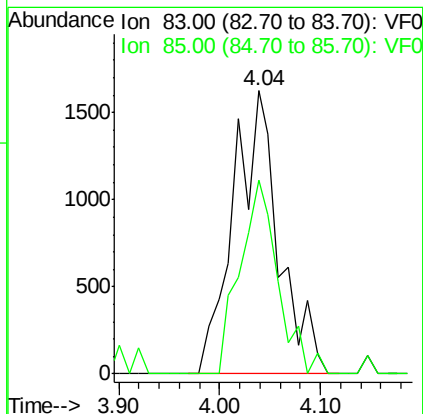
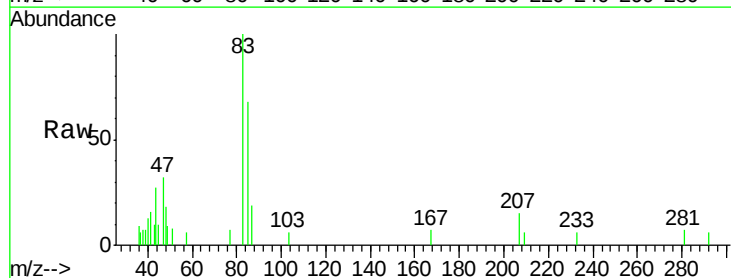
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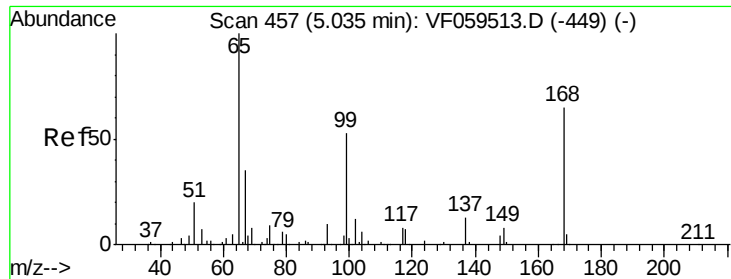


#30

Chloroform
 Concen: 1.11 ug/l
 RT: 4.04 min Scan# 356
 Delta R.T. -0.01 min
 Lab File: VF059599.D
 Acq: 20 Jul 2018 23:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.5	53.2	79.8





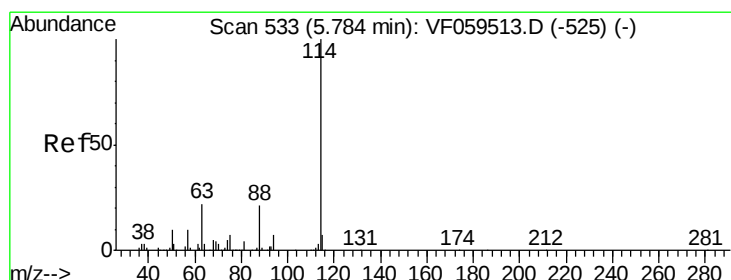
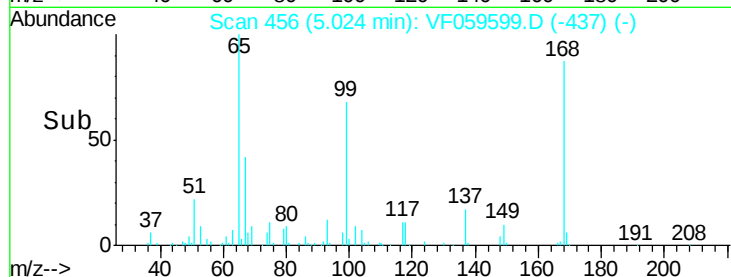
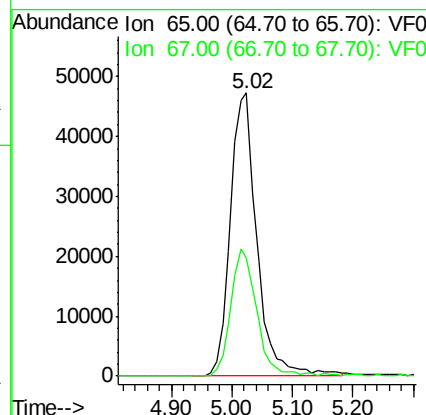
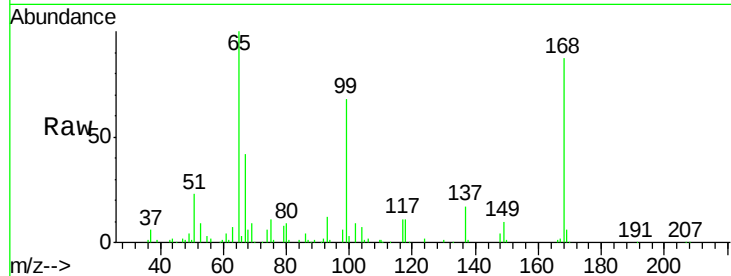
#33
 1,2-Dichloroethane-d4
 Concen: 47.19 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: VF059599.D
 Acq: 20 Jul 2018 23:44

Instrument :
 MSVOA_F
 ClientSampled :
 NS-SOILRE

Tot Ion	Ratio	Resp	Lower	Upper
65	100	143928		
67	42.0	0.0	91.2	

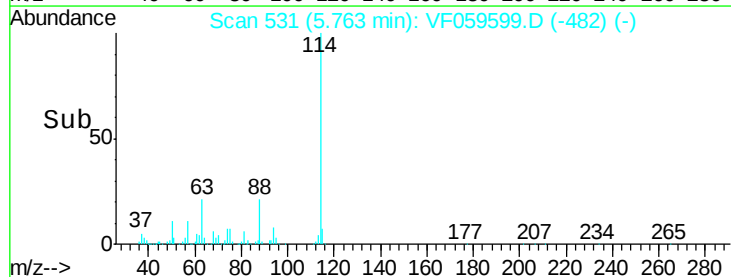
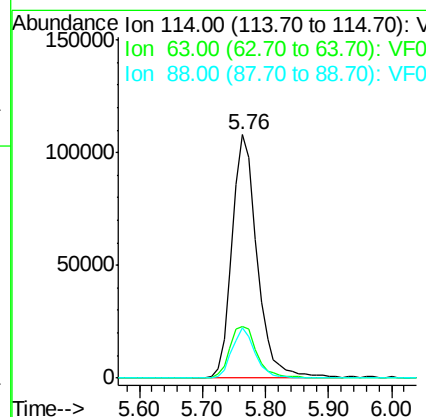
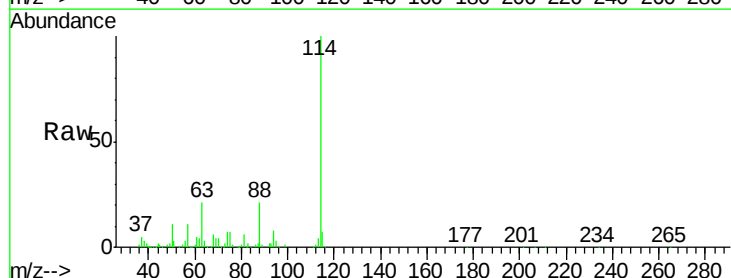
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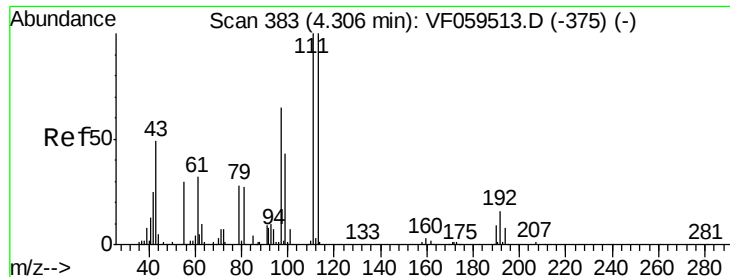
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VF059599.D
 Acq: 20 Jul 2018 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	297297		
63	21.4	0.0	44.8	
88	20.8	0.0	42.6	





#35

Dibromofluoromethane

Concen: 48.59 ug/l

RT: 4.28 min Scan# 381

Delta R.T. -0.02 min

Lab File: VF059599.D

Acq: 20 Jul 2018 23:44

Instrument :

MSVOA_F

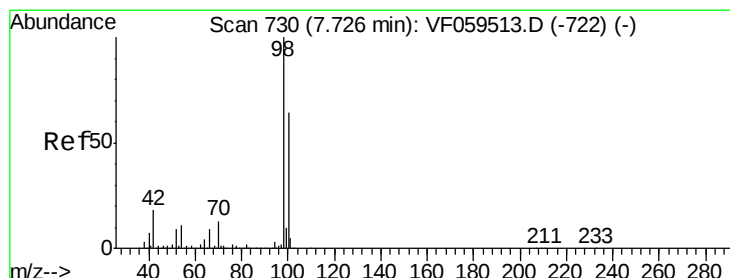
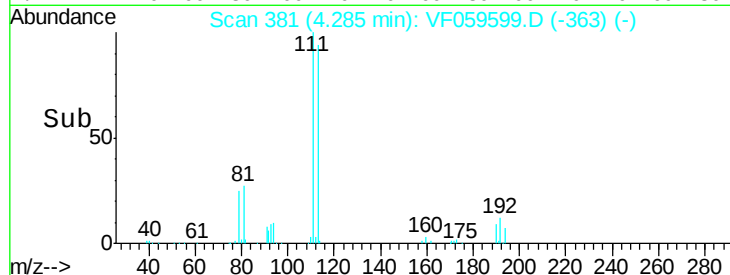
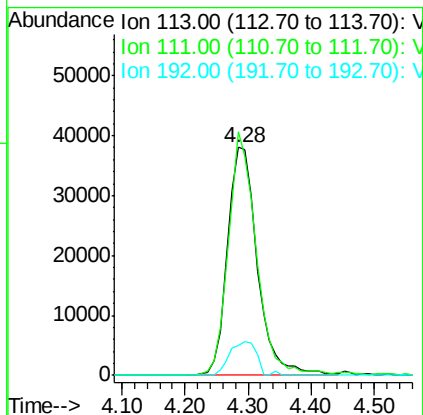
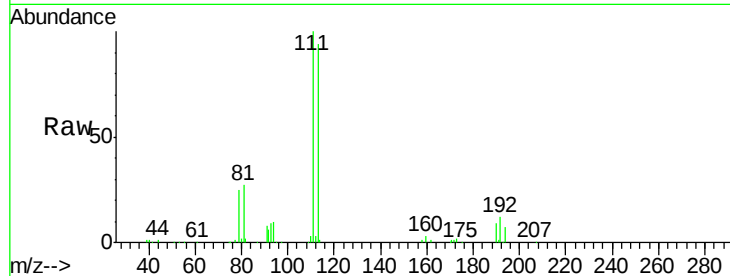
ClientSampleId :

NS-SOILRE

Tot Ion	Ratio	Lower	Upper
113	100		
111	106.7	80.3	120.5
192	13.0	13.1	19.7#

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#50

Toluene-d8

Concen: 32.38 ug/l

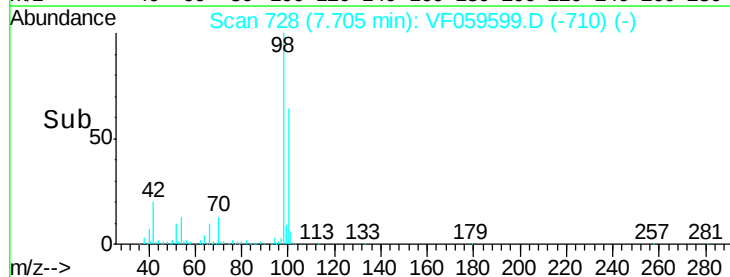
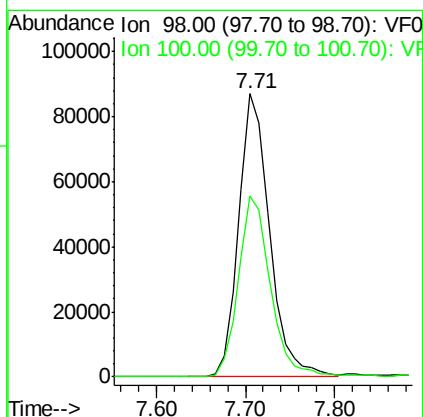
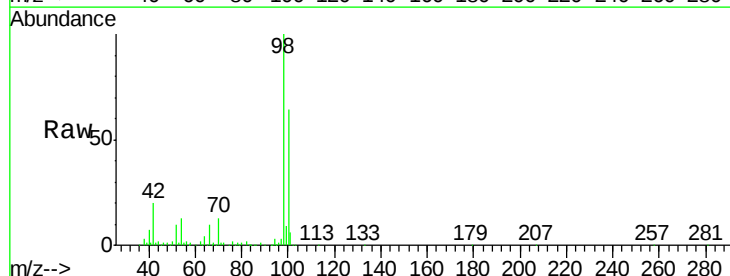
RT: 7.71 min Scan# 728

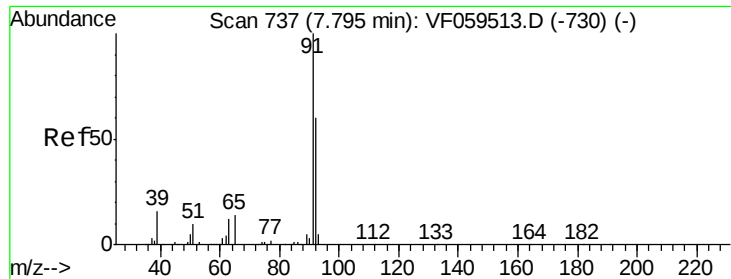
Delta R.T. -0.02 min

Lab File: VF059599.D

Acq: 20 Jul 2018 23:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.9	76.3





#52

Toluene

Concen: 54.56 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF059599.D

Acq: 20 Jul 2018 23:44

Instrument :

MSVOA_F

ClientSampleId :

NS-SOILRE

Tot Ion: 92 Resp: 228449

Ion Ratio Lower Upper

92 100

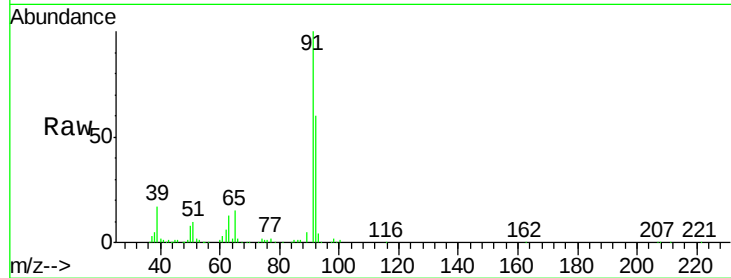
91 166.1 134.2 201.4

Manual Integrations

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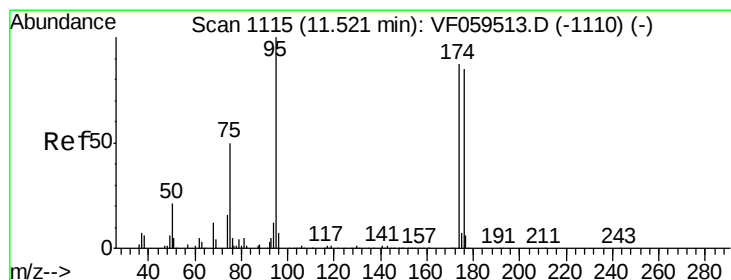
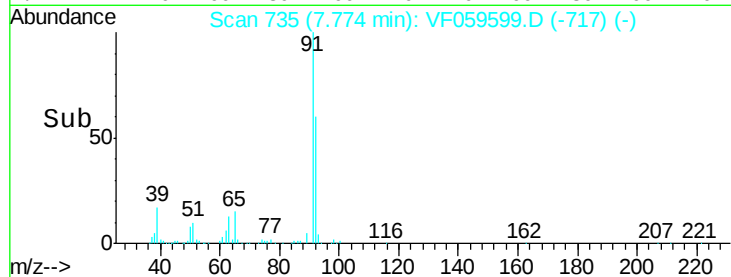
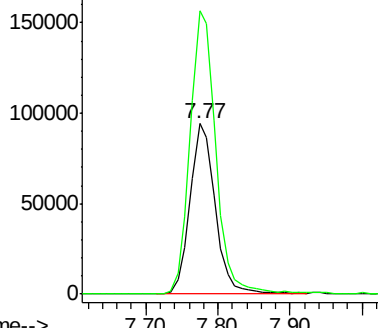
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Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 23.46 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF059599.D

Acq: 20 Jul 2018 23:44

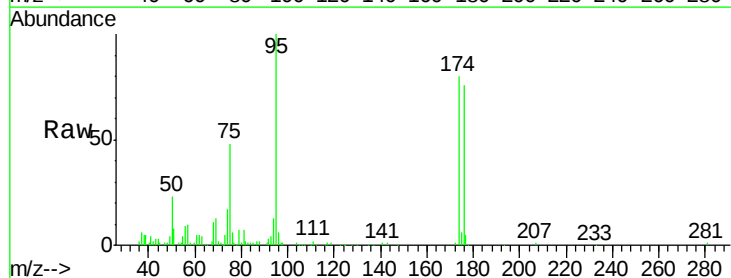
Tgt Ion: 95 Resp: 79806

Ion Ratio Lower Upper

95 100

174 80.0 0.0 174.4

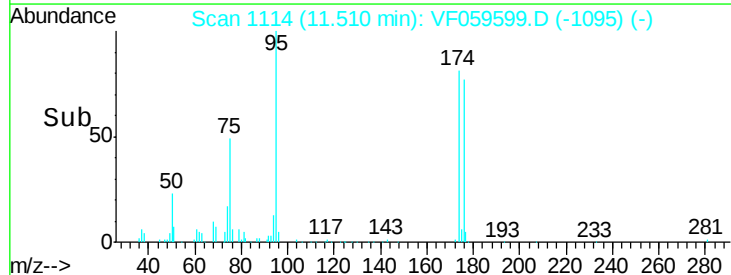
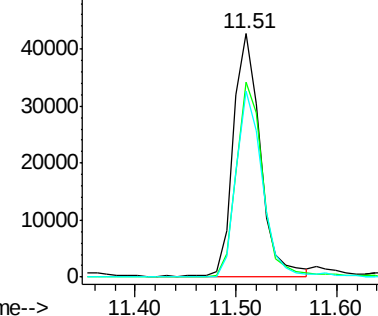
176 76.4 0.0 169.4

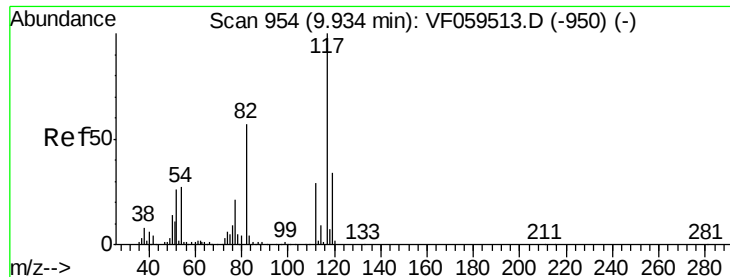


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





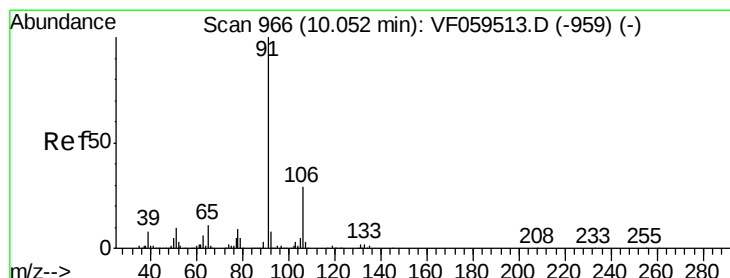
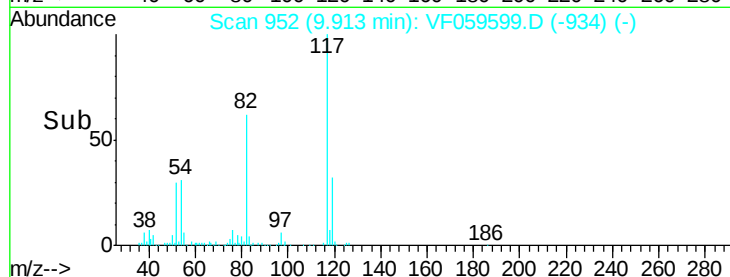
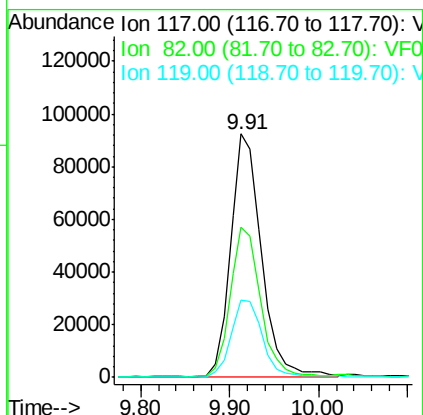
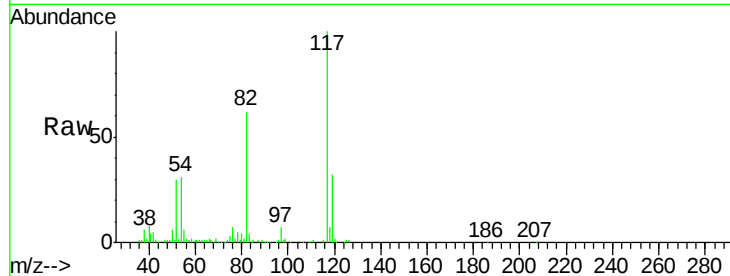
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument :
MSVOA_F
ClientSampleId :
NS-SOILRE

Tot Ion	Ratio	Resp	Lower	Upper
117	100	223645		
82	61.8		46.1	69.1
119	31.7		27.2	40.8

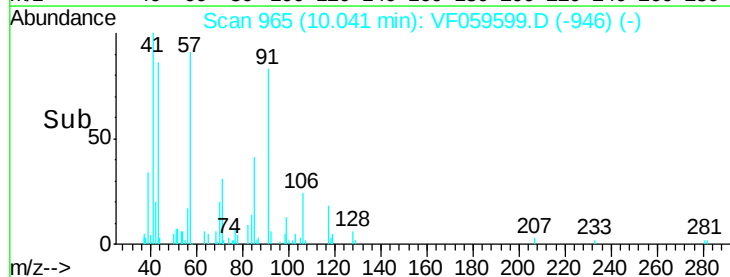
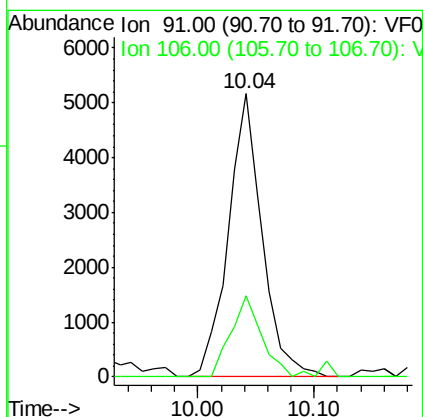
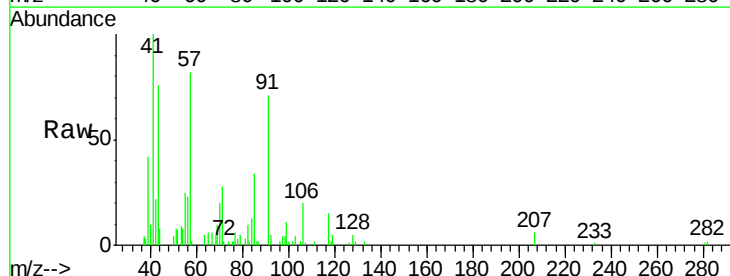
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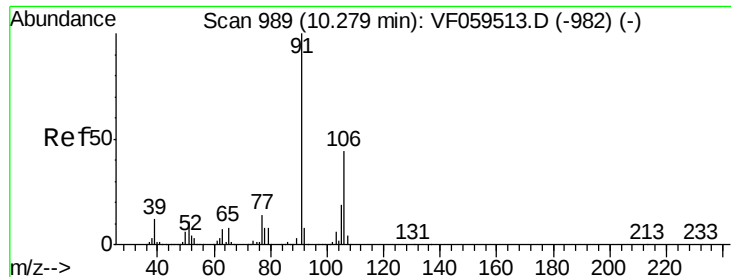
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#67
Ethyl Benzene
Concen: 1.39 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	10383		
106	28.6		23.4	35.2





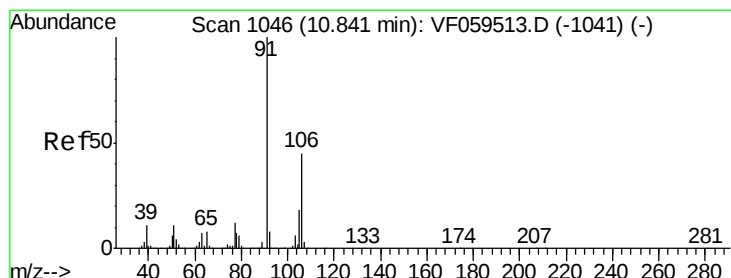
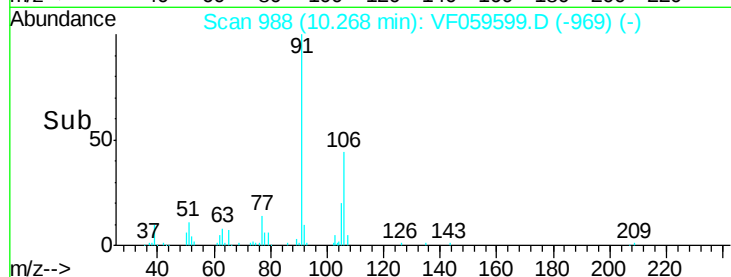
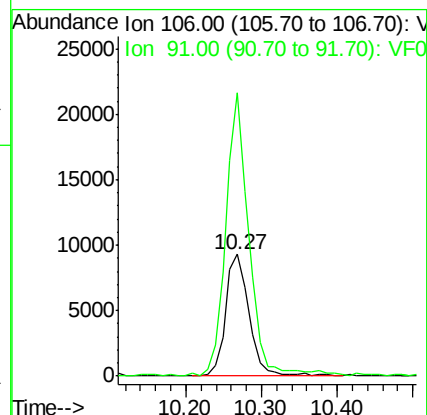
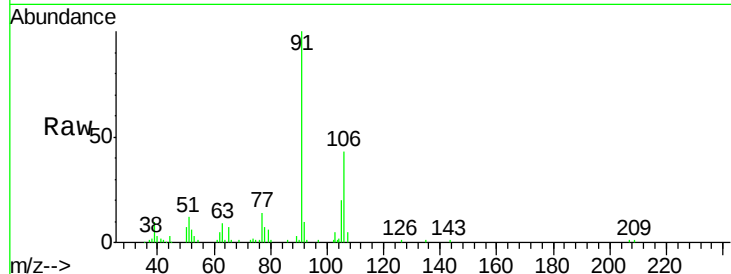
#68
m/p-Xylenes
Concen: 7.67 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument :
MSVOA_F
ClientSampleId :
NS-SOILRE

Tot Ion	Ratio	Lower	Upper
106	100		
91	232.3	181.0	271.4

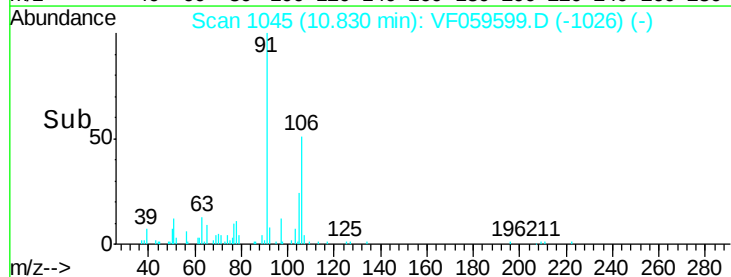
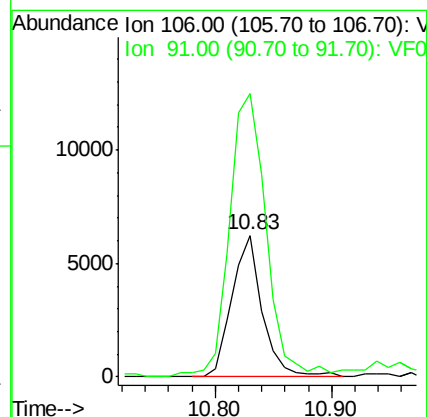
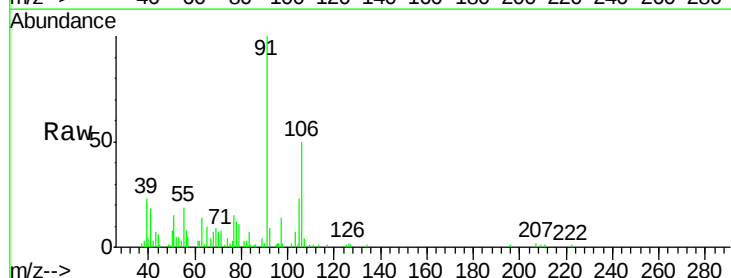
Manual Integrations
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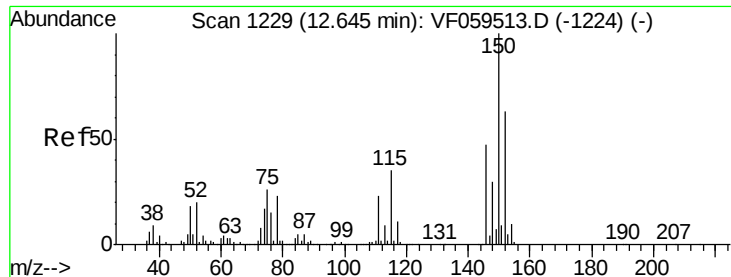
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#69
o-Xylene
Concen: 4.03 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.6	112.3	336.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059599.D

Acq: 20 Jul 2018 23:44

Instrument :

MSVOA_F

ClientSampled :

NS-SOILRE

Tot Ion:152 Resp: 41735

Ion Ratio Lower Upper

152 100

115 62.6 27.8 83.3

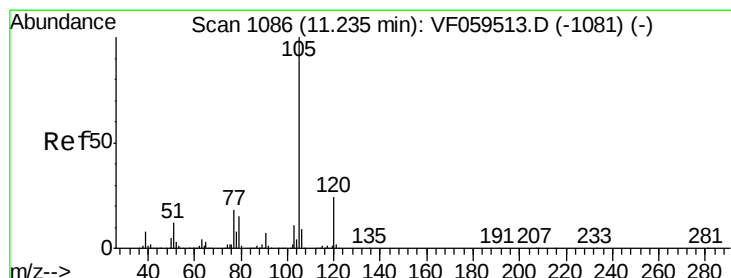
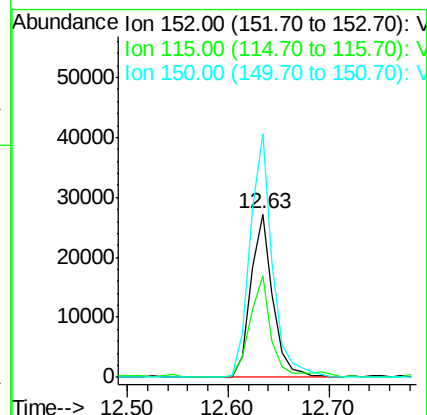
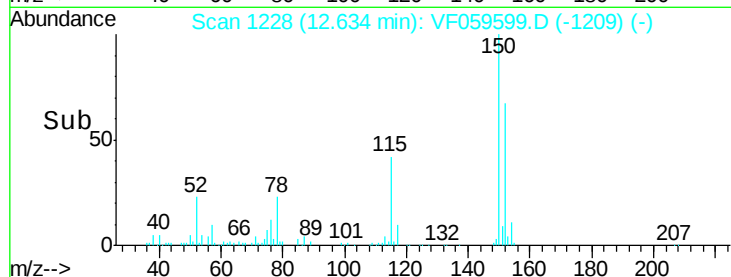
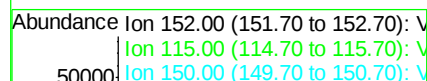
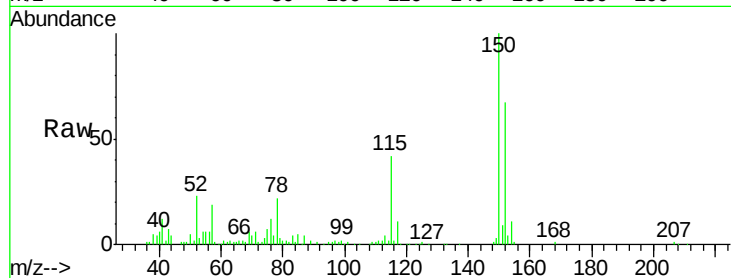
150 149.3 0.0 318.4

Manual Integrations

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#73

Isopropylbenzene

Concen: 1.08 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF059599.D

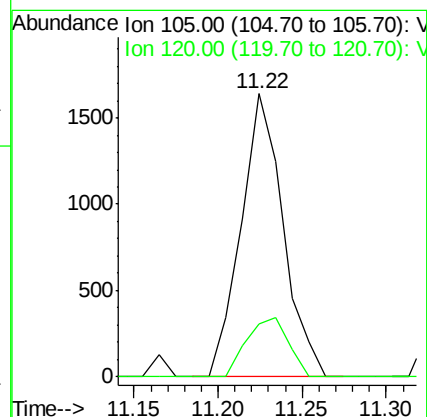
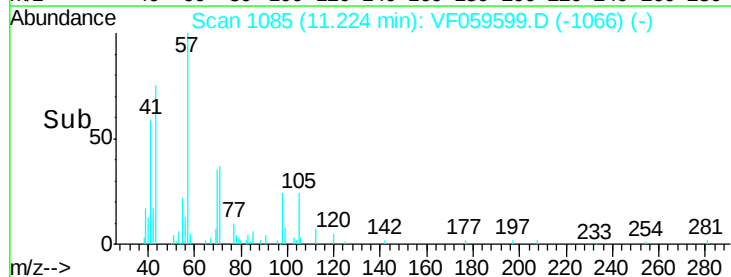
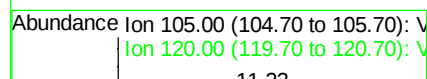
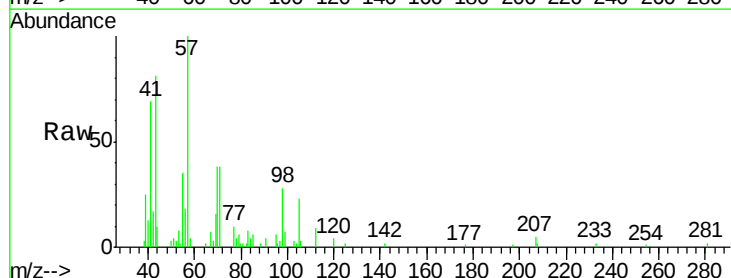
Acq: 20 Jul 2018 23:44

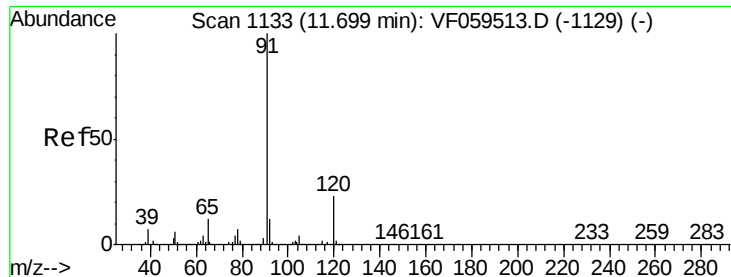
Tgt Ion:105 Resp: 2842

Ion Ratio Lower Upper

105 100

120 18.9 12.0 36.0





#78

n-propylbenzene

Concen: 2.80 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF059599.D

Acq: 20 Jul 2018 23:44

Instrument :

MSVOA_F

ClientSampleId :

NS-SOILRE

Tot Ion: 91 Resp: 8446

Ion Ratio Lower Upper

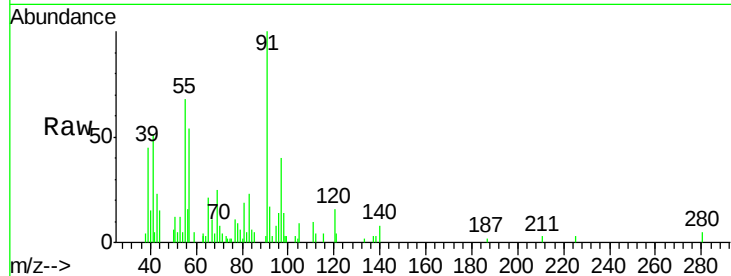
91 100

120 16.0 11.3 33.9

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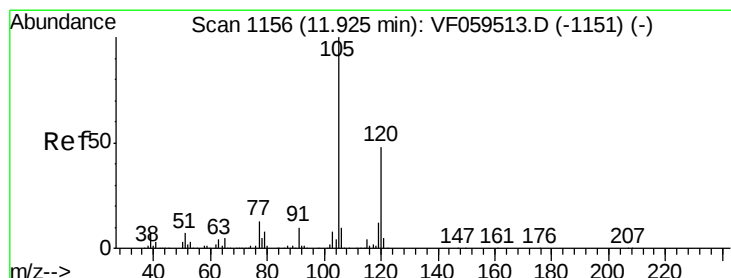
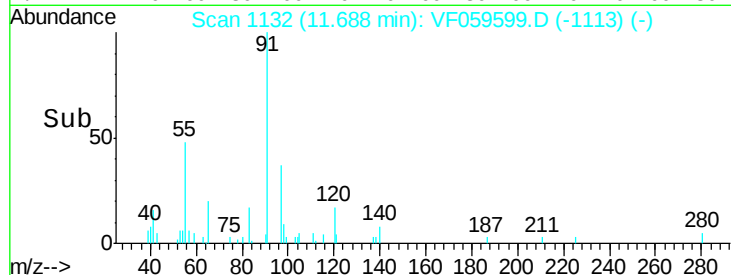
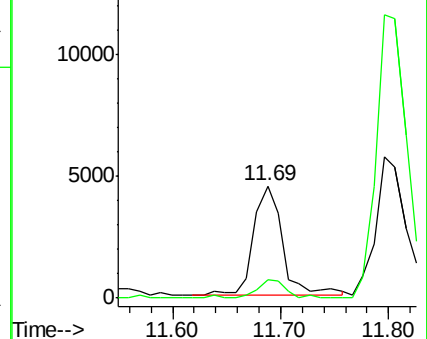
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF059513.D (-1129) (-)

Ion 120.00 (119.70 to 120.70): VF059513.D (-1129) (-)



#80

1,3,5-Trimethylbenzene

Concen: 16.44 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VF059599.D

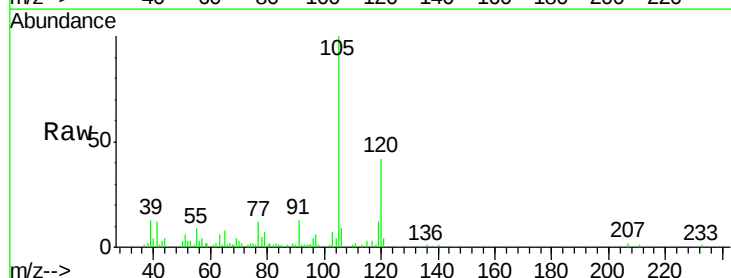
Acq: 20 Jul 2018 23:44

Tgt Ion: 105 Resp: 36272

Ion Ratio Lower Upper

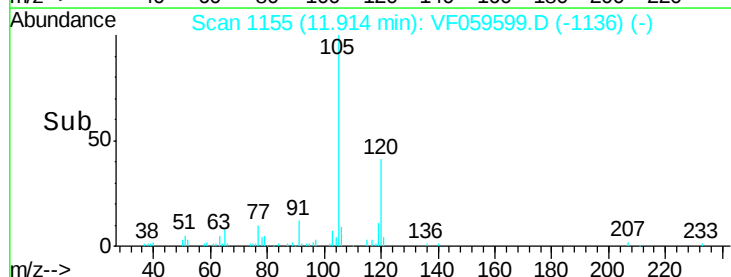
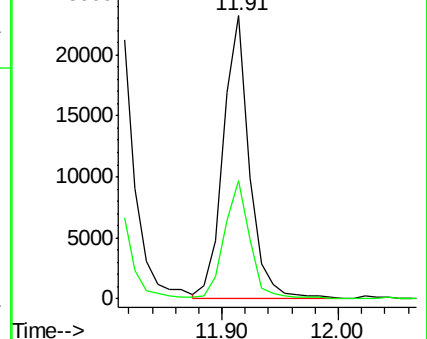
105 100

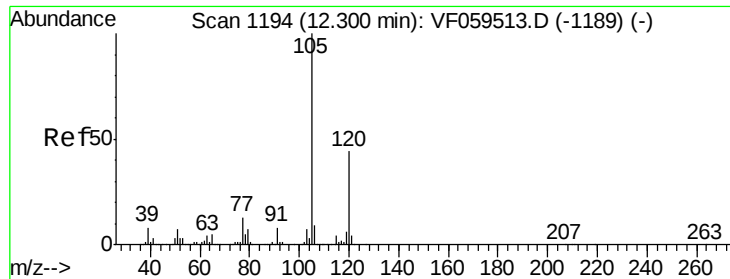
120 41.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VF059513.D (-1151) (-)

Ion 120.00 (119.70 to 120.70): VF059513.D (-1151) (-)





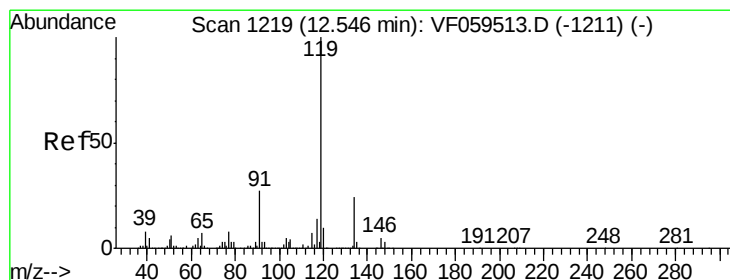
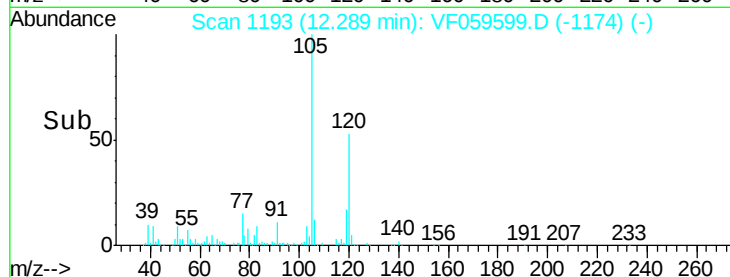
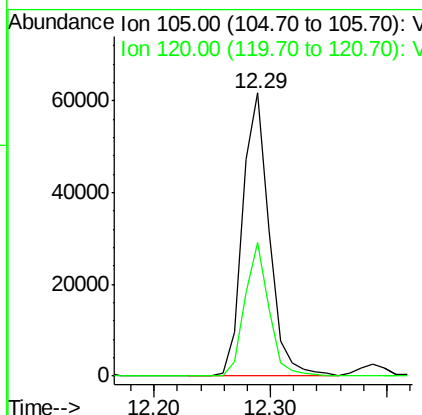
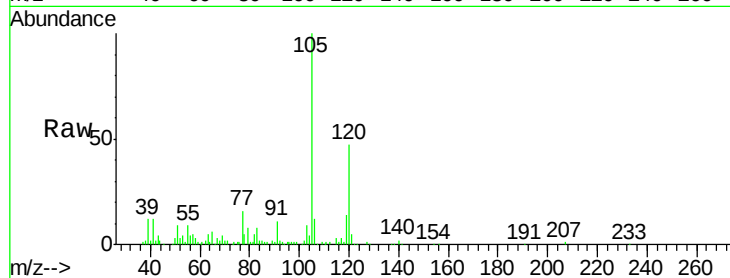
#84
1,2,4-Trimethylbenzene
Concen: 42.82 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument :
MSVOA_F
ClientSampleId :
NS-SOILRE

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.2	22.5	67.5

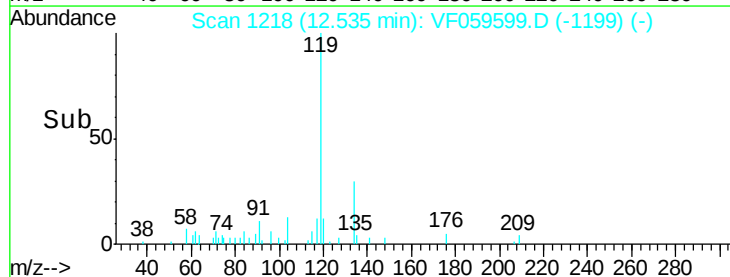
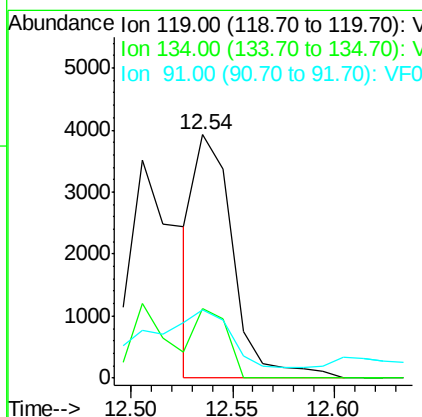
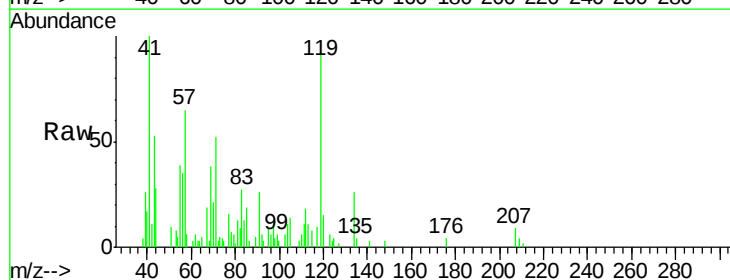
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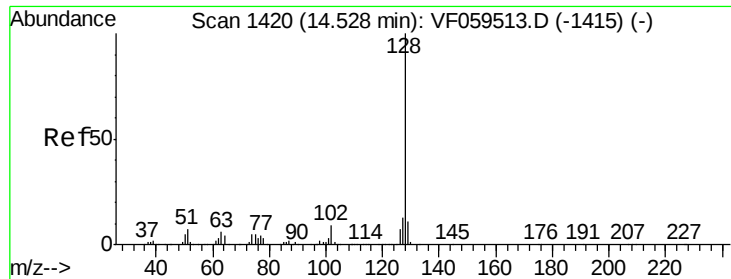
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#86
p-Isopropyltoluene
Concen: 2.20 ug/l m
RT: 12.54 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.5	12.0	36.0
91	28.0	13.5	40.4





#95
Naphthalene
Concen: 5.61 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF059599.D
Acq: 20 Jul 2018 23:44

Instrument :
MSVOA_F
ClientSampleId :
NS-SOILRE

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.2	15.2
129	15.8	9.0	13.4

Manual Integrations
APPROVED

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