

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
 Data File : VF060954.D
 Acq On : 10 Dec 2018 15:28
 Operator : VA/AP
 Sample : J6269-01
 Misc : 6.14g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-SOIL

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 4:15:47 PM

Quant Time: Dec 11 06:16:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	188697	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	288246	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.77	117	199388	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	87608	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	110591	49.75	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	99.50%	
35) Dibromofluoromethane	4.11	113	116713	51.04	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	102.08%	
50) Toluene-d8	7.56	98	230693	34.25	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	68.50%	
62) 4-Bromofluorobenzene	11.41	95	126251m	41.24	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	82.48%	
Target Compounds						
						Qvalue
31) Cyclohexane	3.74	56	855934m	273.463	ug/l	
39) Methylcyclohexane	5.45	83	1712630m	511.154	ug/l	
40) Benzene	4.63	78	160165	22.676	ug/l	94
52) Toluene	7.63	92	351241	70.797	ug/l	98
67) Ethyl Benzene	9.90	91	125400	17.365	ug/l	100
68) m/p-Xylenes	10.15	106	1376911	530.152	ug/l	94
69) o-Xylene	10.73	106	1838970	642.106	ug/l	93
73) Isopropylbenzene	11.12	105	86700	12.523	ug/l	98
78) n-propylbenzene	11.60	91	117169	14.452	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	3029826	539.076	ug/l	96
84) 1,2,4-Trimethylbenzene	12.22	105	3676839	655.490	ug/l	91
85) sec-Butylbenzene	12.31	105	189409	24.168	ug/l #	72
86) p-Isopropyltoluene	12.44	119	686805	104.524	ug/l	95
95) Naphthalene	14.46	128	2504014	722.355	ug/l #	94

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

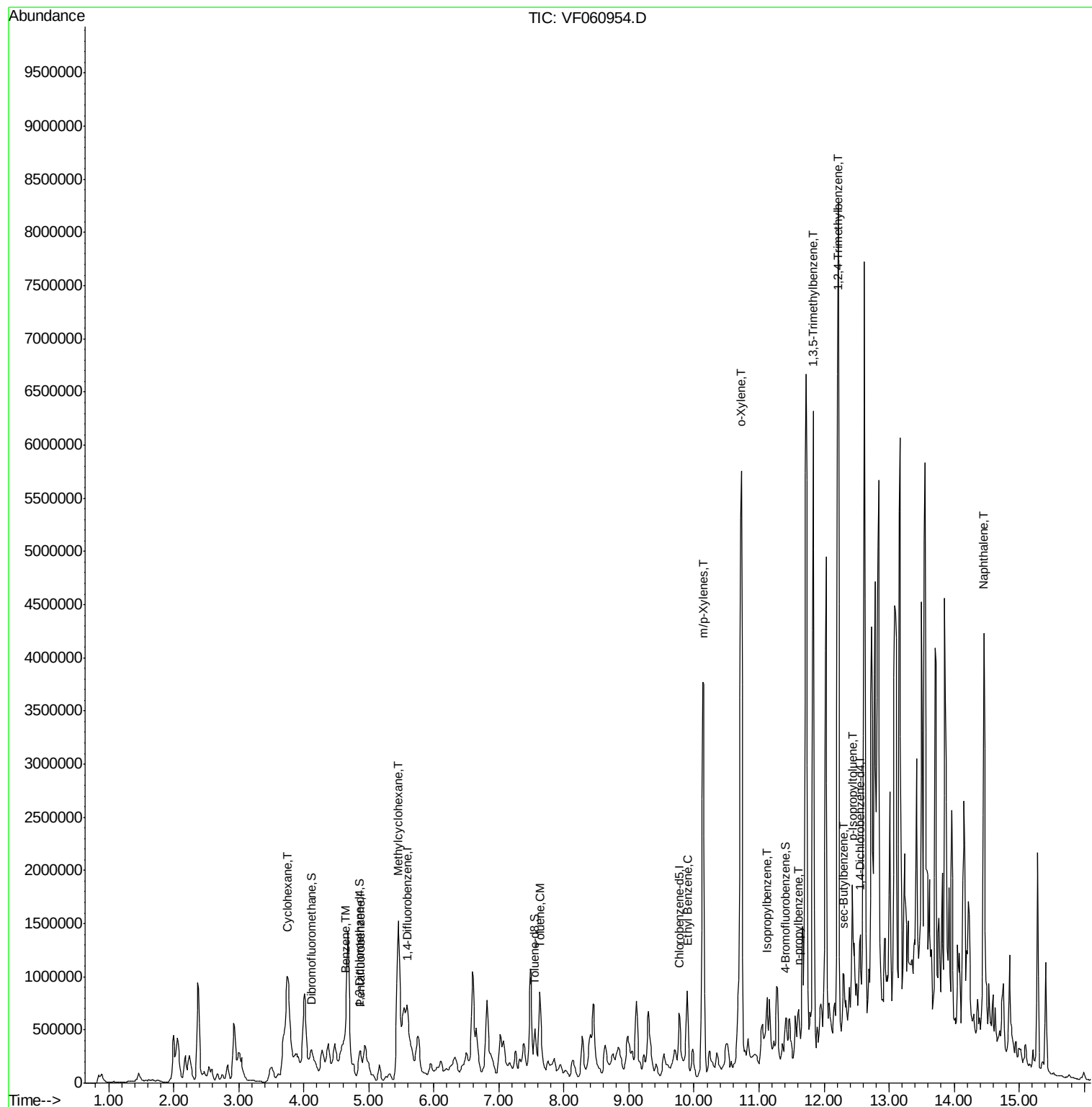
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
Data File : VF060954.D
Acq On : 10 Dec 2018 15:28
Operator : VA/AP
Sample : J6269-01
Misc : 6.14g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

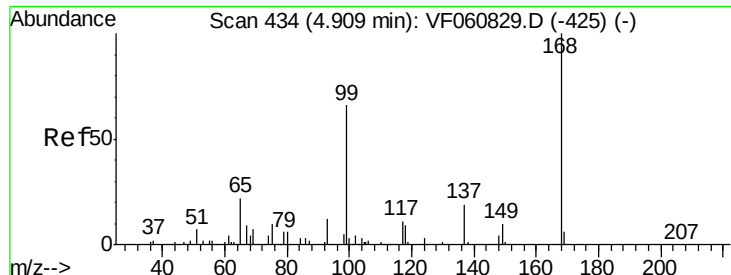
Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

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Quant Time: Dec 11 06:16:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF060954.D

Acq: 10 Dec 2018 15:28

Instrument :

MSVOA_F

ClientSampleId :

OILY-SOIL

Tgt Ion: 168 Resp: 188697

Ion Ratio Lower Upper

168 100

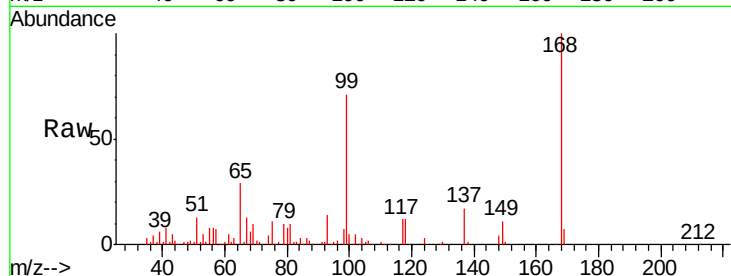
99 71.4 52.6 79.0

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

60000

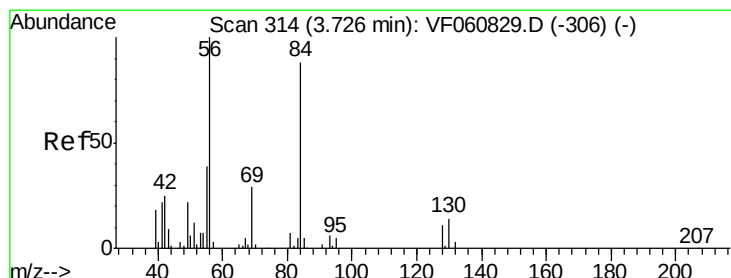
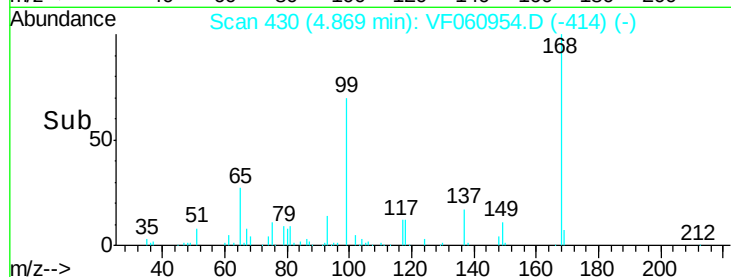
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#31

Cyclohexane

Concen: 273.463 ug/l m

RT: 3.74 min Scan# 316

Delta R.T. 0.02 min

Lab File: VF060954.D

Acq: 10 Dec 2018 15:28

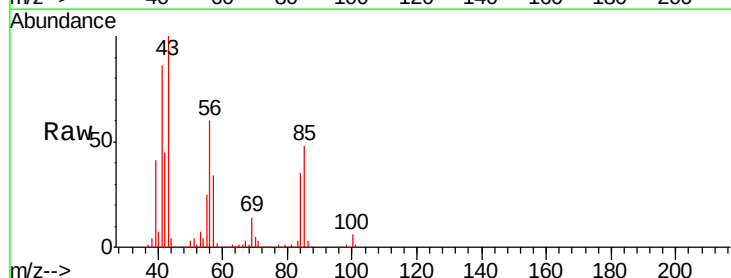
Tgt Ion: 56 Resp: 855934

Ion Ratio Lower Upper

56 100

69 23.6 23.0 34.4

84 57.8 70.4 105.6#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0

150000

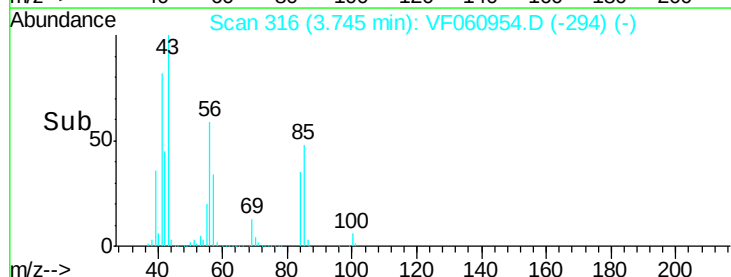
100000

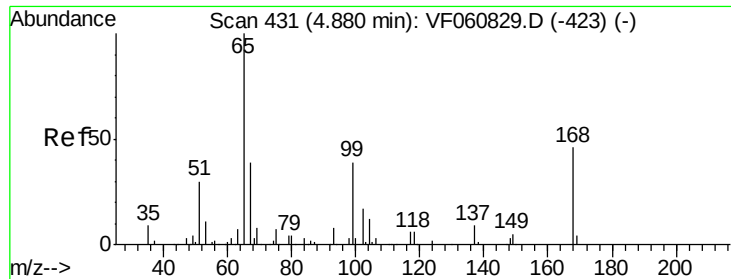
50000

0

3.60 3.70 3.80 3.90

Time-->





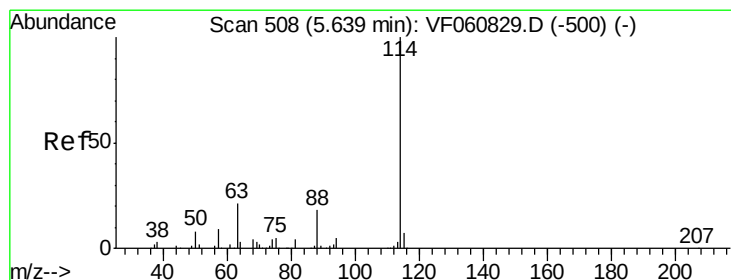
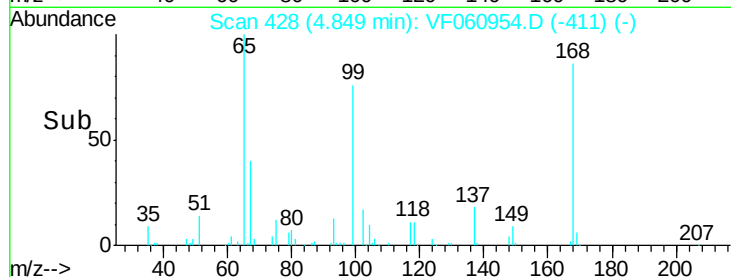
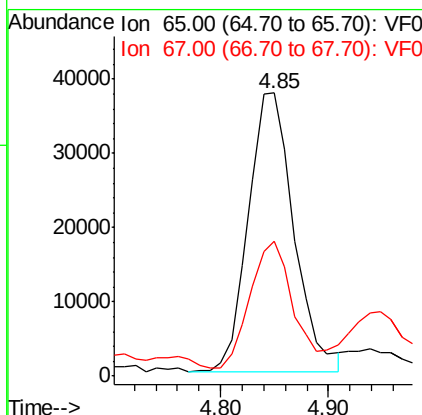
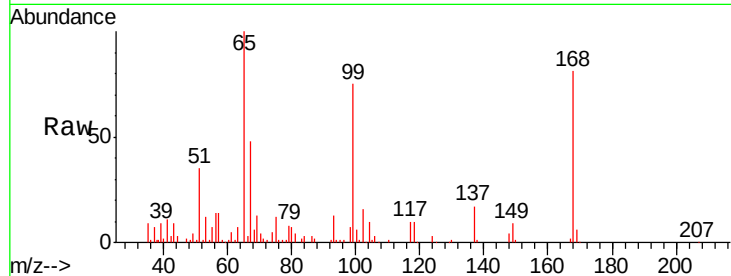
#33
 1,2-Dichloroethane-d4
 Concen: 49.750 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.03 min
 Lab File: VF060954.D
 Acq: 10 Dec 2018 15:28

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-SOIL

Tgt Ion: 65 Resp: 110591
 Ion Ratio Lower Upper
 65 100
 67 47.6 0.0 96.4

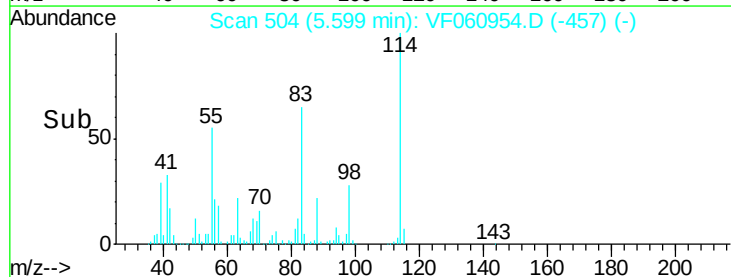
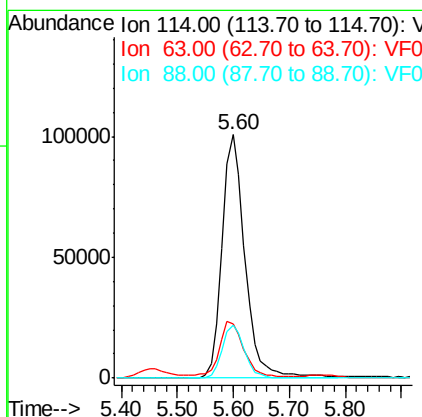
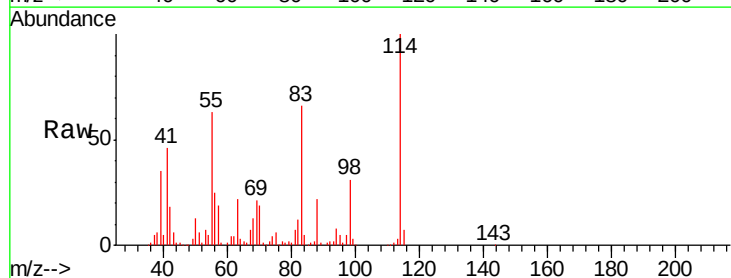
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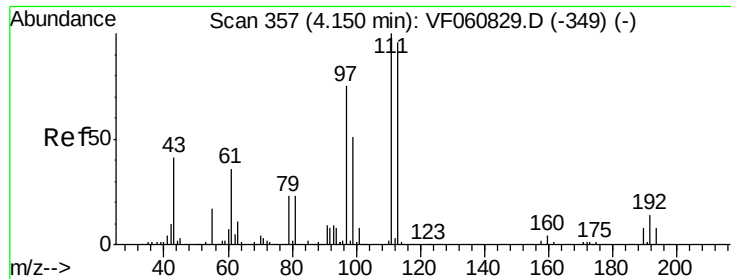
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.04 min
 Lab File: VF060954.D
 Acq: 10 Dec 2018 15:28

Tgt Ion: 114 Resp: 288246
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 41.6
 88 21.7 0.0 36.6





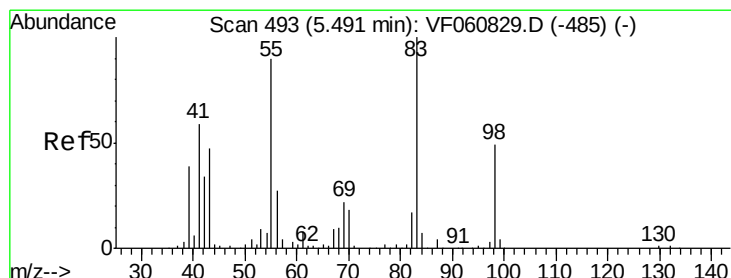
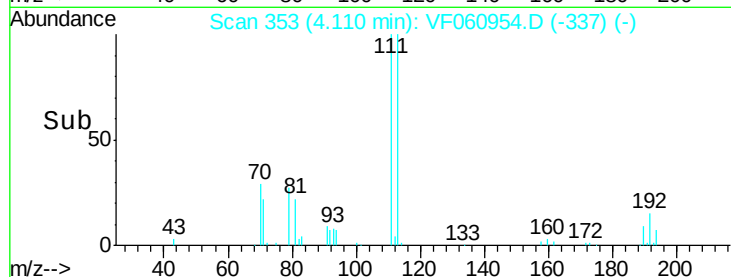
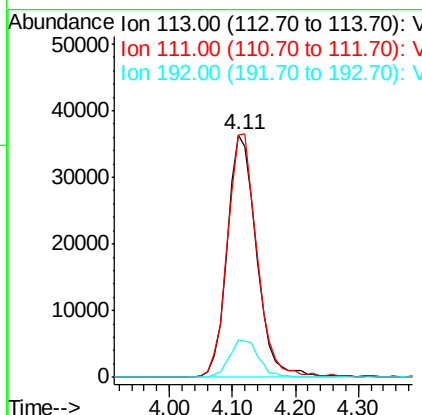
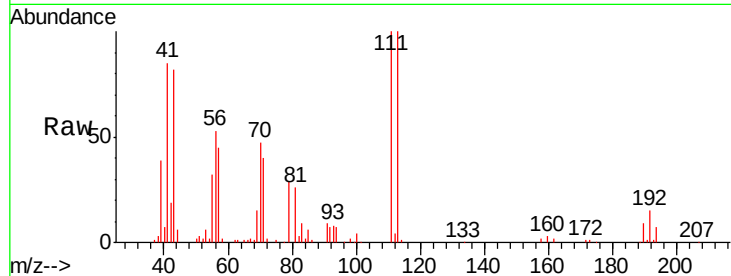
#35
Dibromofluoromethane
Concen: 51.039 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.04 min
Lab File: VF060954.D
Acq: 10 Dec 2018 15:28

Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	116713		
111	99.6	83.0	124.6	
192	15.4	12.3	18.5	

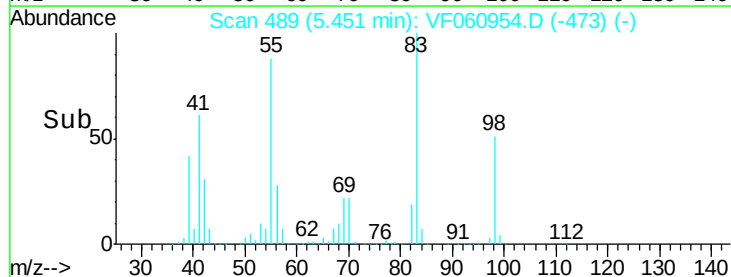
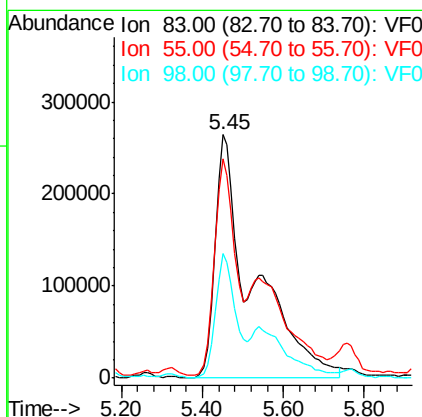
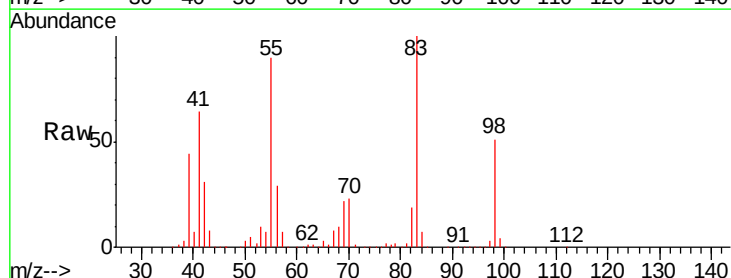
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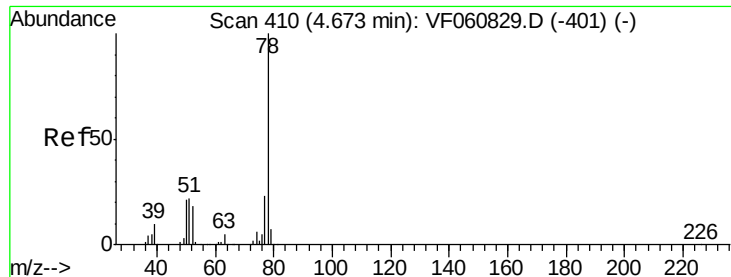
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#39
Methylcyclohexane
Concen: 511.154 ug/l m
RT: 5.45 min Scan# 489
Delta R.T. -0.04 min
Lab File: VF060954.D
Acq: 10 Dec 2018 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	1712630		
55	90.2	72.1	108.1	
98	51.1	39.1	58.7	





#40

Benzene

Concen: 22.676 ug/l

RT: 4.63 min Scan# 406

Delta R.T. -0.04 min

Lab File: VF060954.D

Acq: 10 Dec 2018 15:28

Instrument :

MSVOA_F

ClientSampleId :

OILY-SOIL

Tgt Ion: 78 Resp: 160165

Ion Ratio Lower Upper

78 100

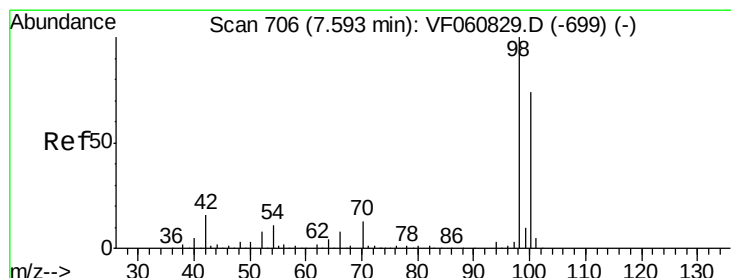
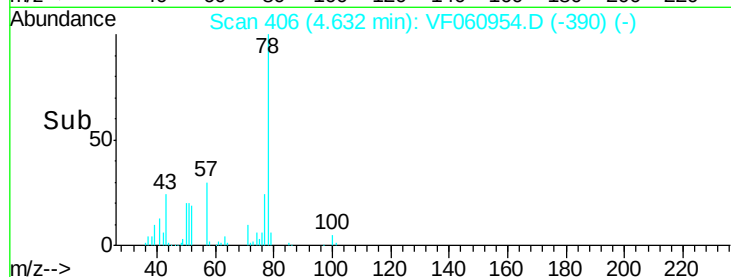
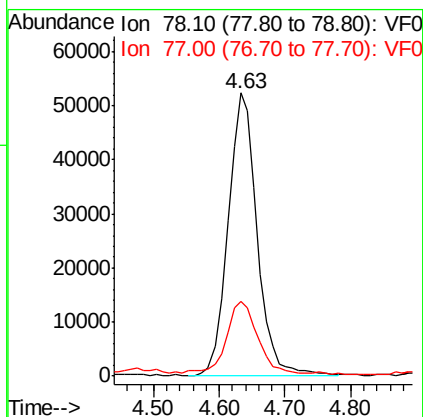
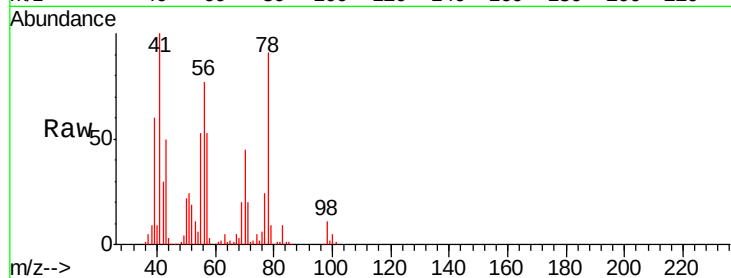
77 26.5 18.7 28.1

Manual Integrations

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#50

Toluene-d8

Concen: 34.248 ug/l

RT: 7.56 min Scan# 703

Delta R.T. -0.03 min

Lab File: VF060954.D

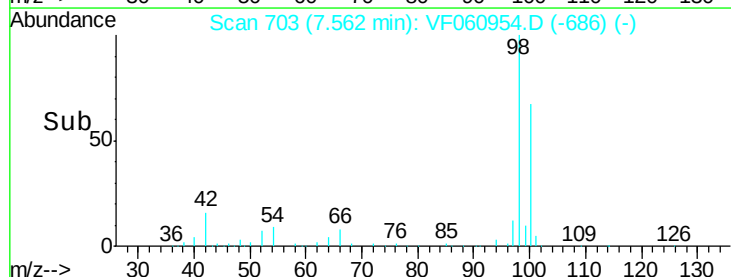
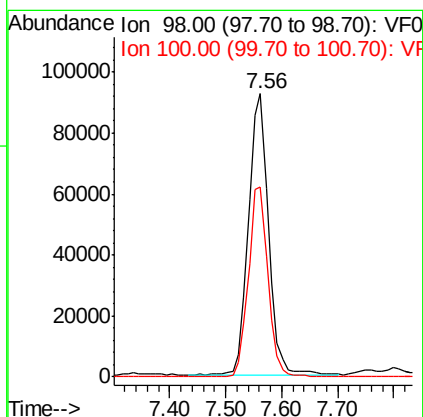
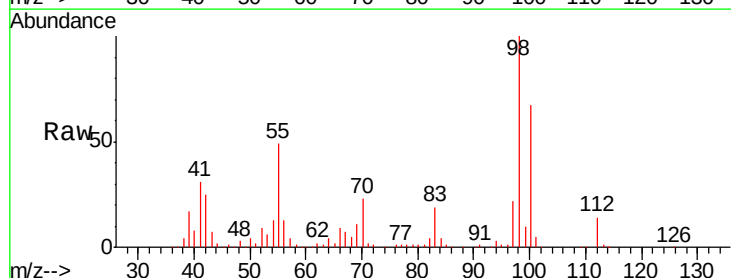
Acq: 10 Dec 2018 15:28

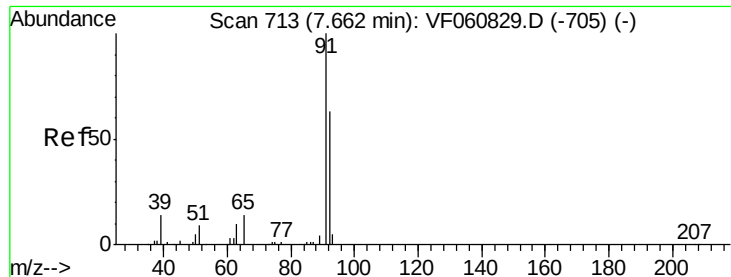
Tgt Ion: 98 Resp: 230693

Ion Ratio Lower Upper

98 100

100 67.0 59.3 88.9





#52

Toluene

Concen: 70.797 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.03 min

Lab File: VF060954.D

Acq: 10 Dec 2018 15:28

Instrument :

MSVOA_F

ClientSampled :

OILY-SOIL

Tgt Ion: 92 Resp: 351241

Ion Ratio Lower Upper

92 100

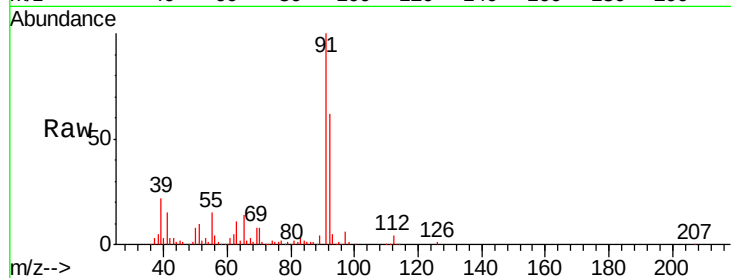
91 160.2 126.2 189.2

Manual Integrations

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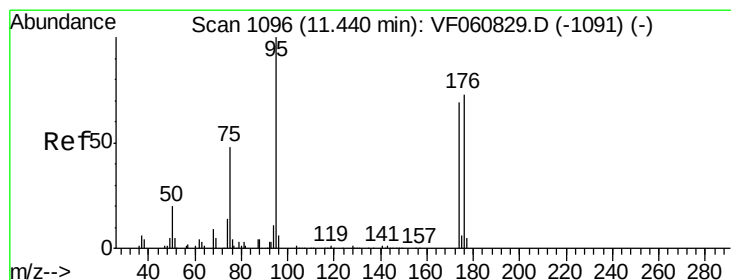
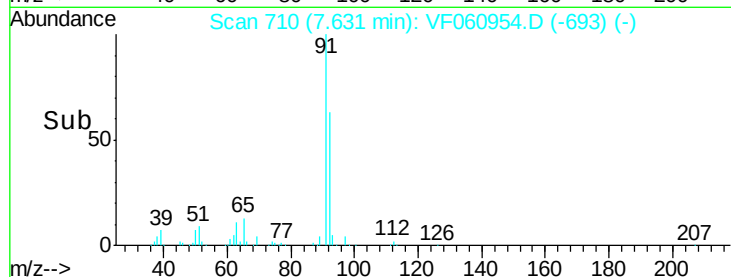
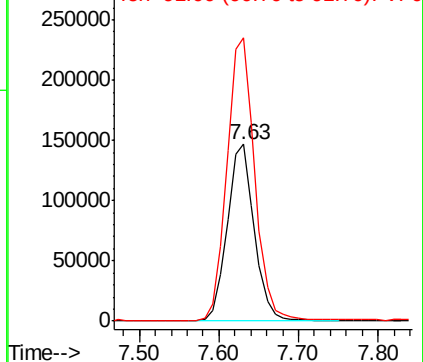
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Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 41.239 ug/l m

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF060954.D

Acq: 10 Dec 2018 15:28

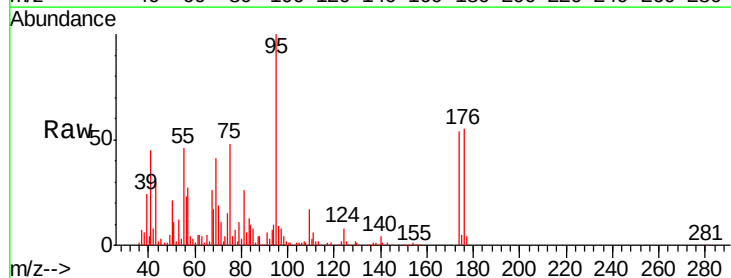
Tgt Ion: 95 Resp: 126251

Ion Ratio Lower Upper

95 100

174 54.1 0.0 138.2

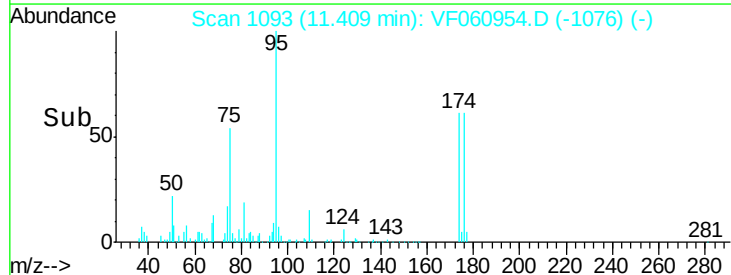
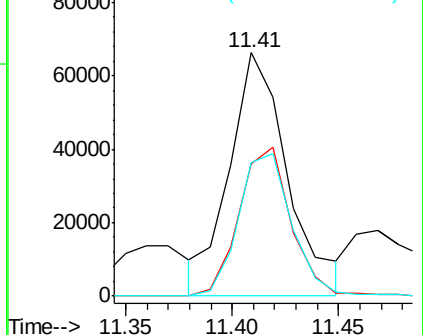
176 54.9 0.0 146.2

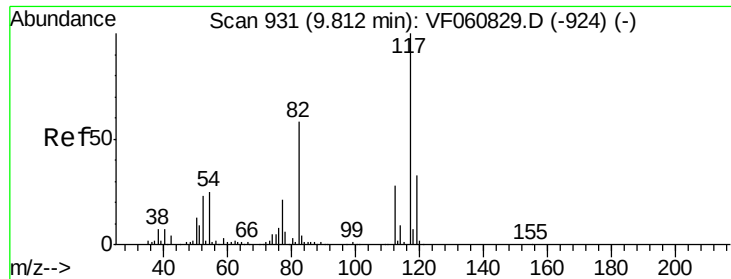


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





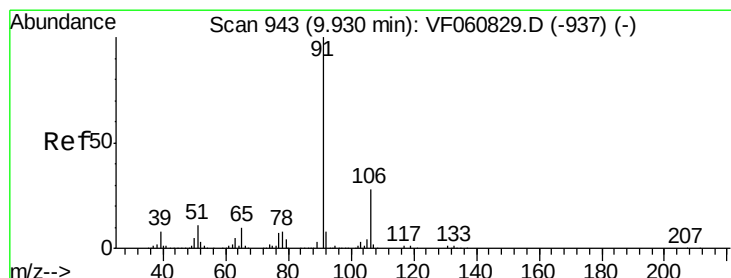
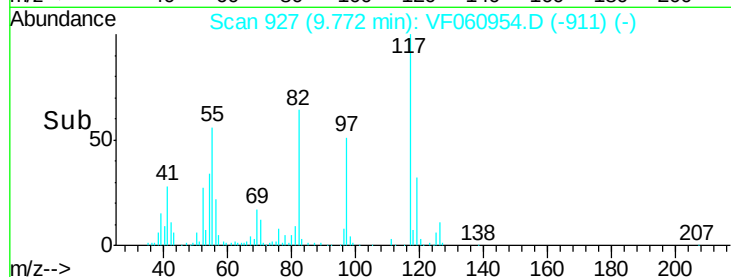
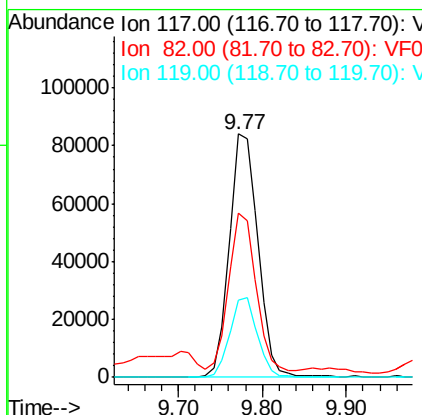
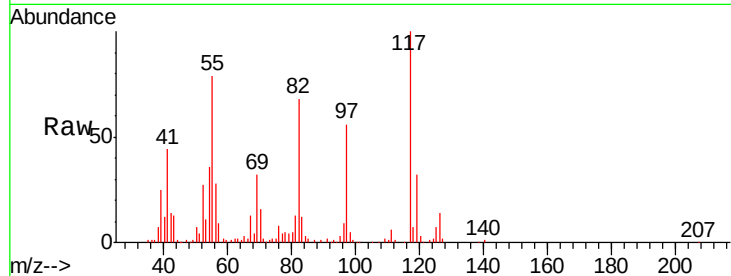
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF060954.D
Acq: 10 Dec 2018 15:28

Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	199388		
82	67.5	46.6	69.8	
119	31.6	26.4	39.6	

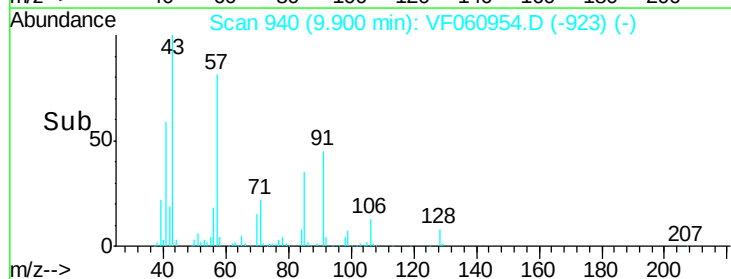
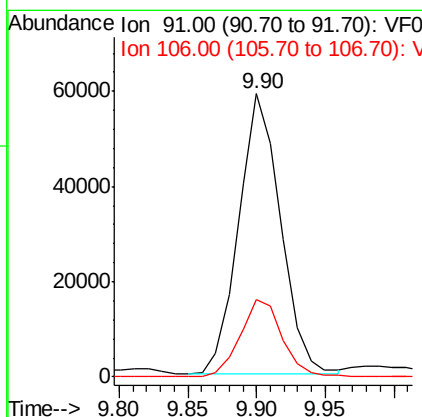
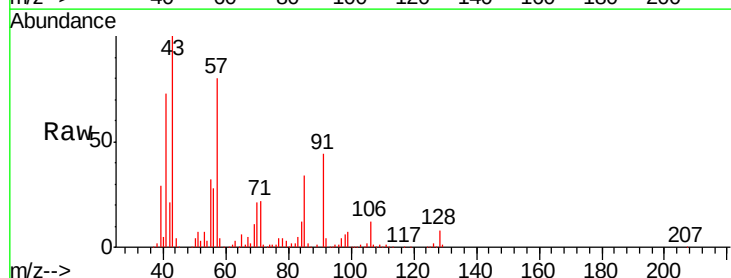
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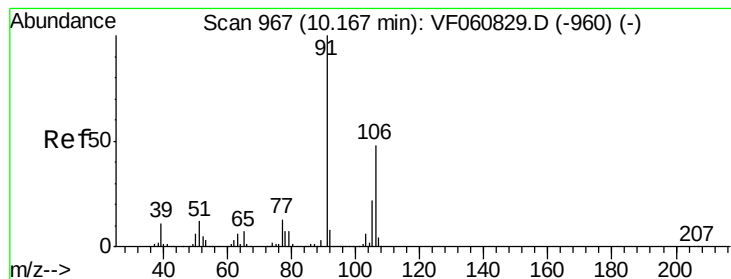
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#67
Ethyl Benzene
Concen: 17.365 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.03 min
Lab File: VF060954.D
Acq: 10 Dec 2018 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	125400		
106	27.5	22.2	33.2	





#68

m/p-Xylenes

Concen: 530.152 ug/l

RT: 10.15 min Scan# 965

Delta R.T. -0.02 min

Lab File: VF060954.D

Acq: 10 Dec 2018 15:28

Instrument :

MSVOA_F

ClientSampleId :

OILY-SOIL

Tgt Ion:106 Resp: 1376911

Ion Ratio Lower Upper

106 100

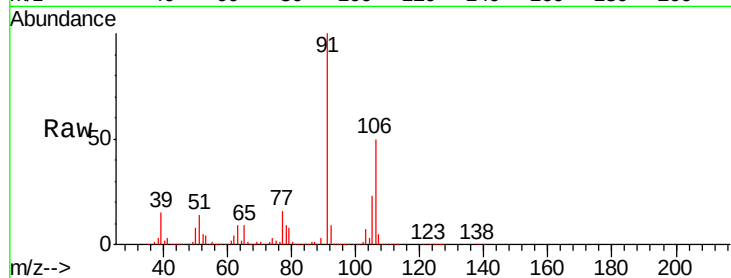
91 199.5 166.7 250.1

Manual Integrations

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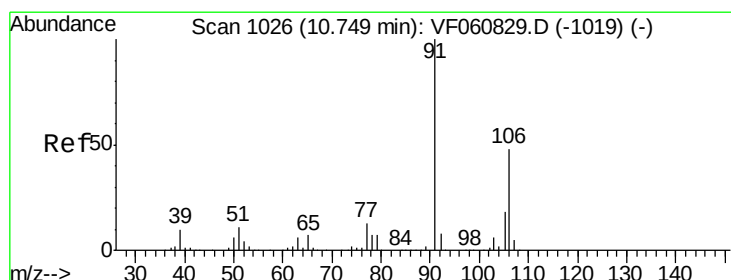
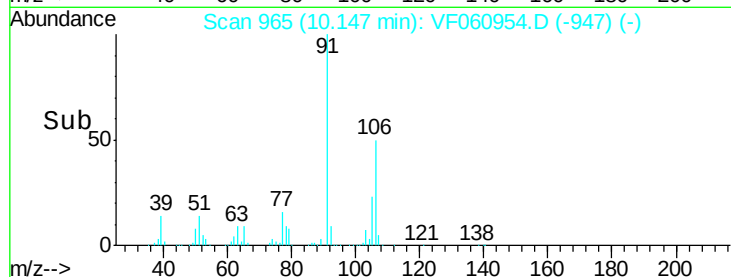
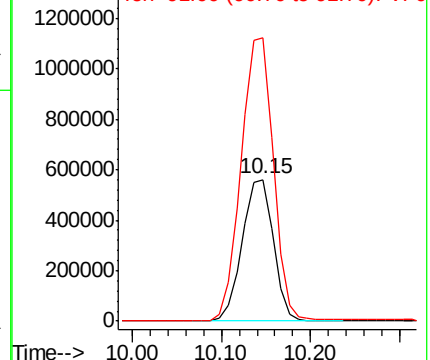
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 642.106 ug/l

RT: 10.73 min Scan# 1024

Delta R.T. -0.02 min

Lab File: VF060954.D

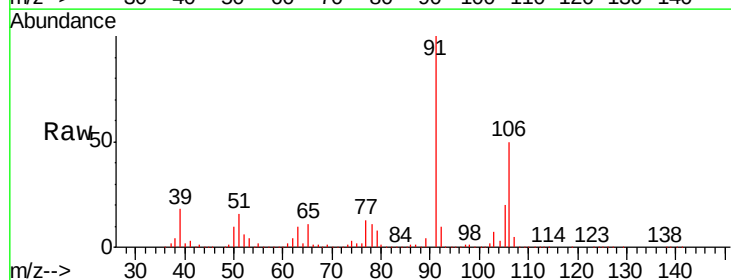
Acq: 10 Dec 2018 15:28

Tgt Ion:106 Resp: 1838970

Ion Ratio Lower Upper

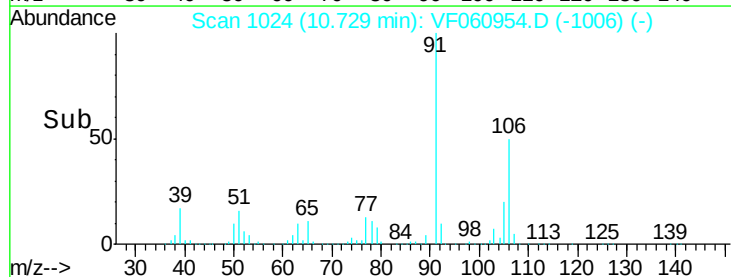
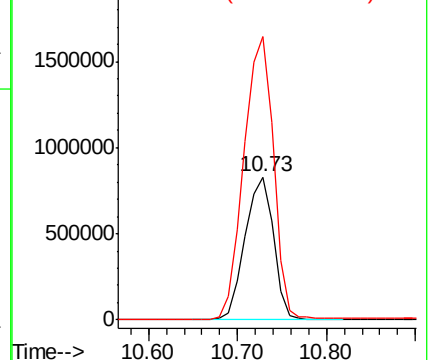
106 100

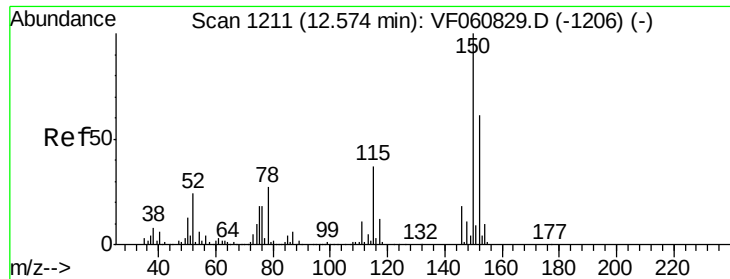
91 198.2 104.8 314.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





#72

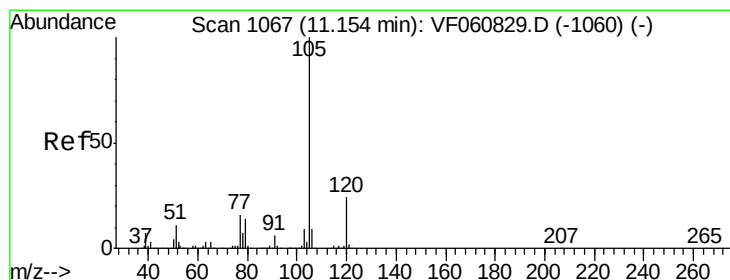
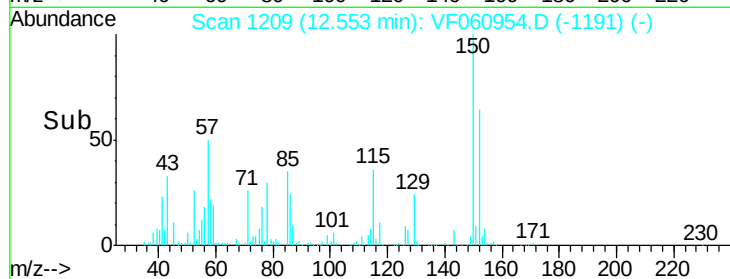
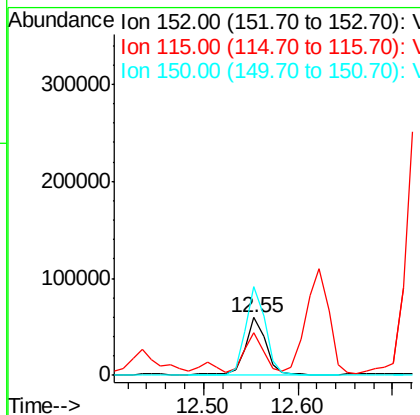
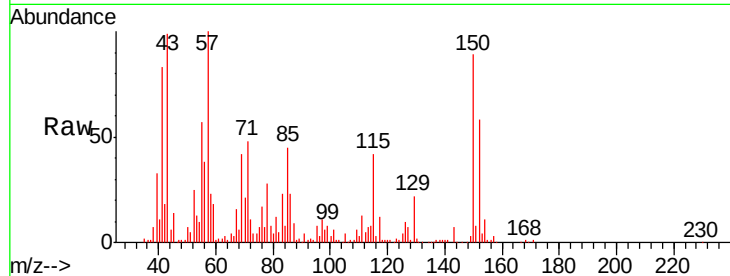
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF060954.D
Acq: 10 Dec 2018 15:28

Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

Tgt Ion	Ratio	Lower	Upper
152	100		
115	72.9	30.1	90.5
150	154.1	0.0	327.6

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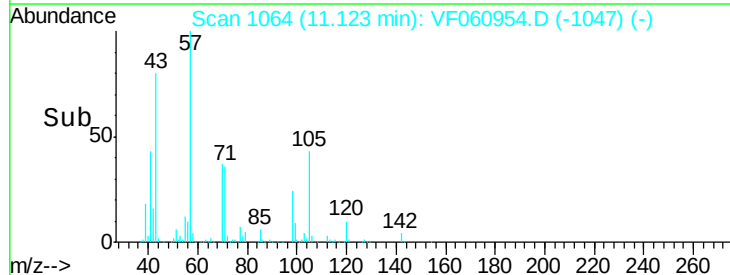
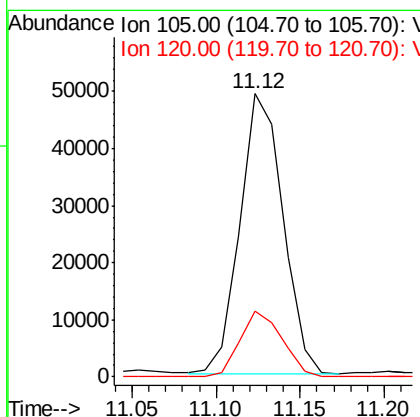
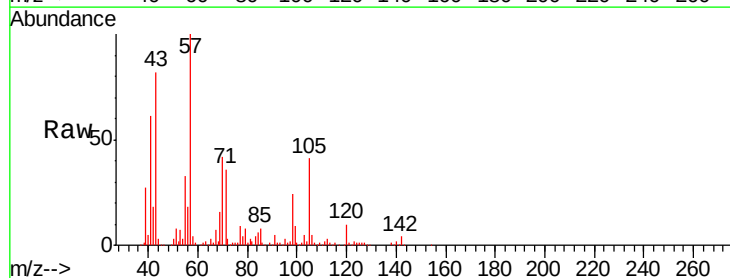
MMDadoda
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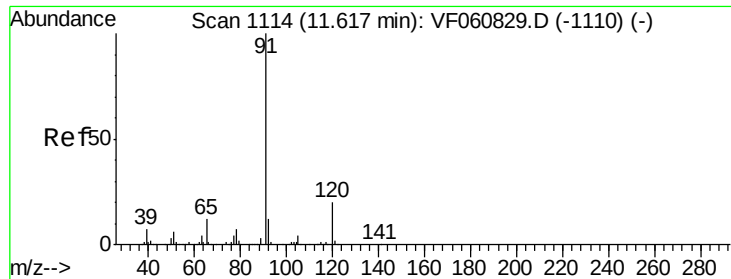


#73

Isopropylbenzene
Concen: 12.523 ug/l
RT: 11.12 min Scan# 1064
Delta R.T. -0.03 min
Lab File: VF060954.D
Acq: 10 Dec 2018 15:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	23.1	12.2	36.4





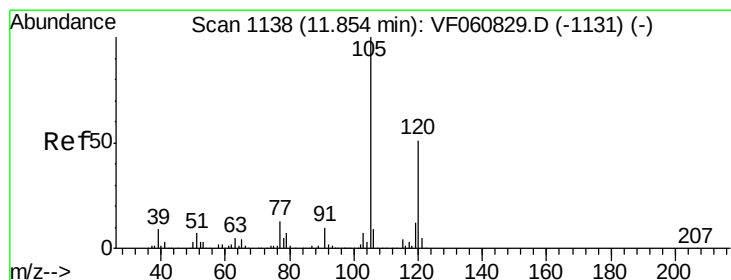
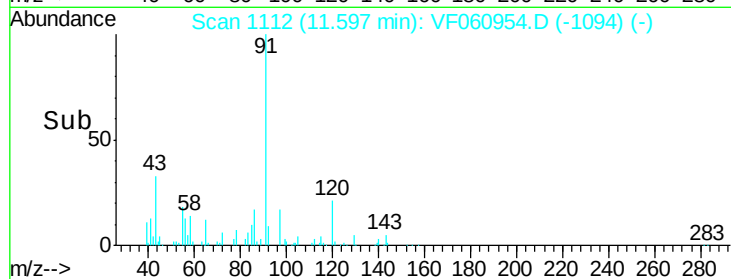
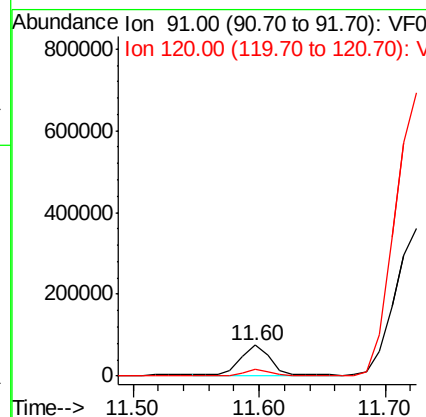
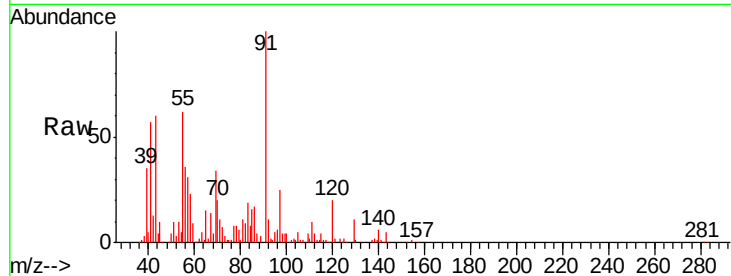
#78
n-propylbenzene
Concen: 14.452 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. -0.02 min
Lab File: VF060954.D
Acq: 10 Dec 2018 15:28

Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

Tgt Ion: 91 Resp: 117169
Ion Ratio Lower Upper
91 100
120 20.5 10.3 30.8

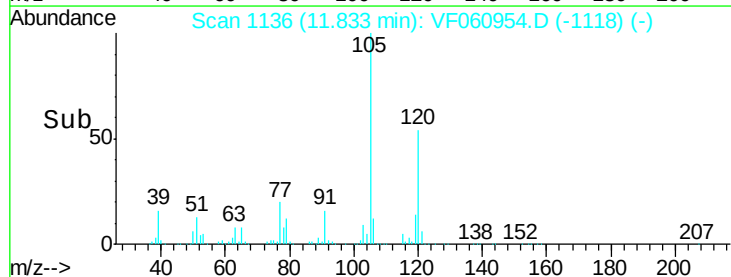
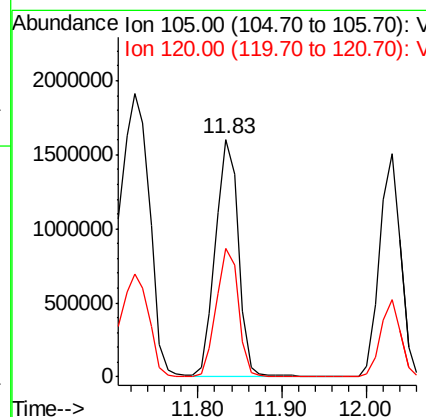
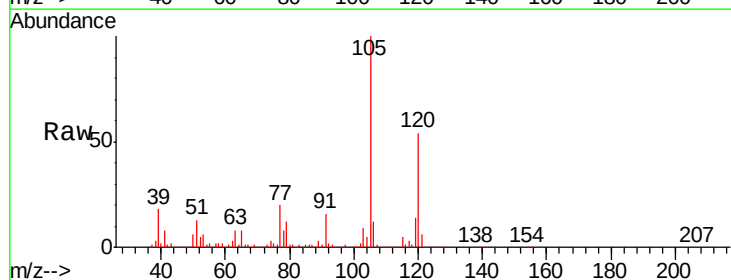
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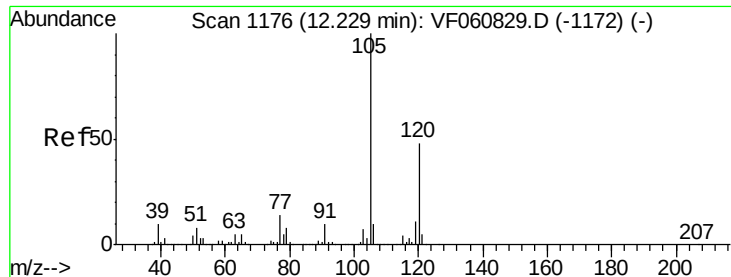
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#80
1,3,5-Trimethylbenzene
Concen: 539.076 ug/l
RT: 11.83 min Scan# 1136
Delta R.T. -0.02 min
Lab File: VF060954.D
Acq: 10 Dec 2018 15:28

Tgt Ion: 105 Resp: 3029826
Ion Ratio Lower Upper
105 100
120 54.2 25.8 77.3





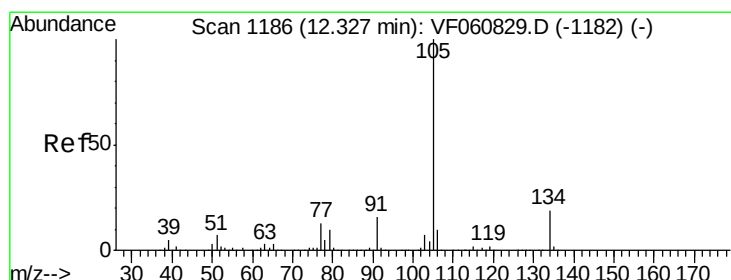
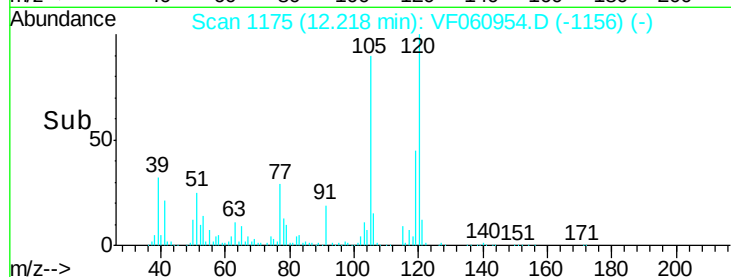
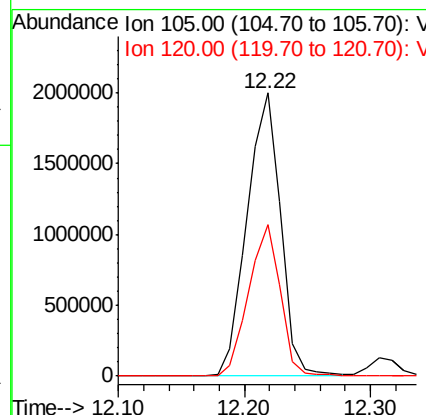
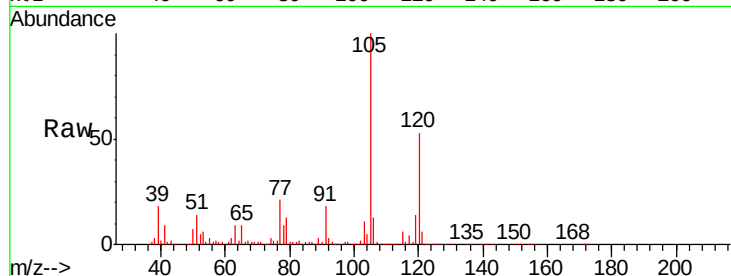
#84
1,2,4-Trimethylbenzene
Concen: 655.490 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VF060954.D
Acq: 10 Dec 2018 15:28

Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

Tgt Ion:105 Resp: 3676839
Ion Ratio Lower Upper
105 100
120 53.4 23.8 71.5

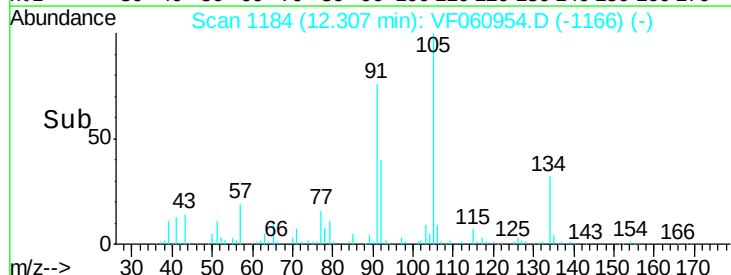
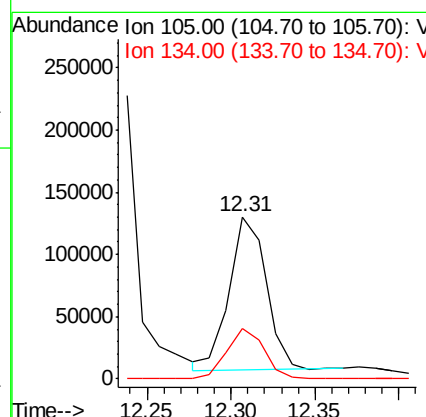
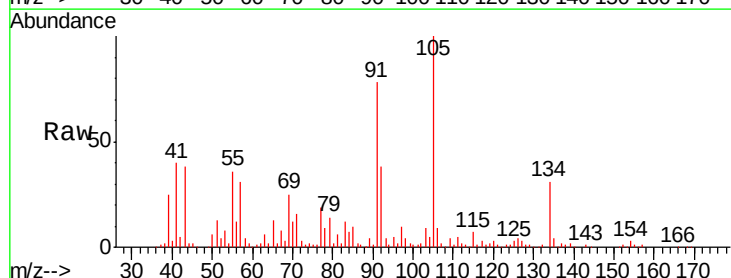
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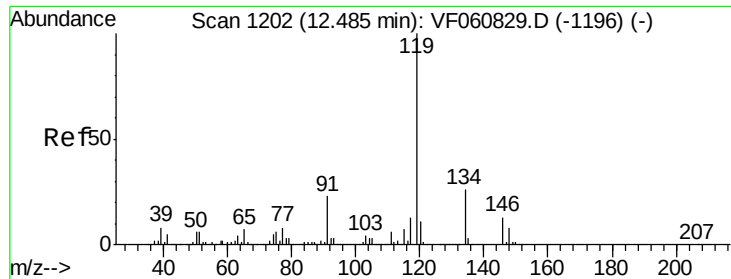
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#85
sec-Butylbenzene
Concen: 24.168 ug/l
RT: 12.31 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VF060954.D
Acq: 10 Dec 2018 15:28

Tgt Ion:105 Resp: 189409
Ion Ratio Lower Upper
105 100
134 31.4 9.5 28.5#





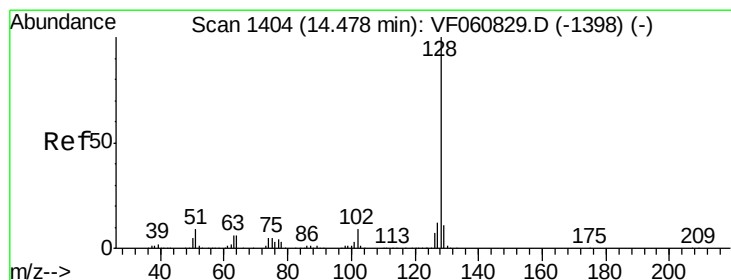
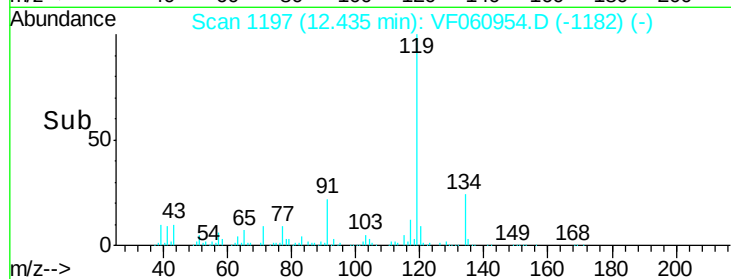
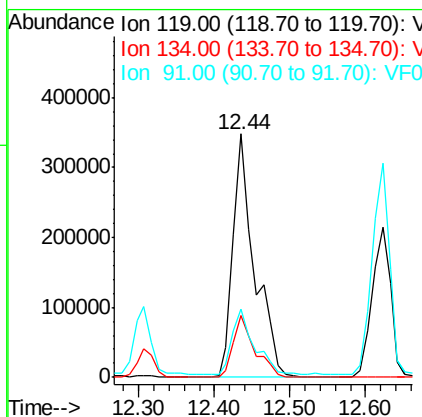
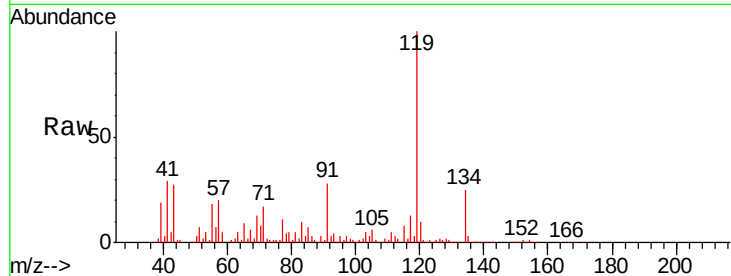
#86
p-Isopropyltoluene
Concen: 104.524 ug/l
RT: 12.44 min Scan# 1197
Delta R.T. -0.05 min
Lab File: VF060954.D
Acq: 10 Dec 2018 15:28

Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

Tgt Ion	Ratio	Resp Lower	Resp Upper
119	100		
134	25.3	12.9	38.6
91	28.0	11.8	35.3

Manual Integrations
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#95
Naphthalene
Concen: 722.355 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.02 min
Lab File: VF060954.D
Acq: 10 Dec 2018 15:28

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.8	9.9	14.9
129	14.7	9.1	13.7#

