

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052522.D
 Acq On : 28 Nov 2018 16:22
 Operator : MD\SY
 Sample : J6064-01 20X
 Misc : 4.96g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-SOIL

Manual Integrations
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MMDadoda
 11/29/2018 3:51:25 PM

Quant Time: Nov 29 11:18:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1487799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2195581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1868576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	844155	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	709287	43.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.56%	
35) Dibromofluoromethane	7.59	113	656200	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
50) Toluene-d8	10.09	98	3017709	57.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.54%	
62) 4-Bromofluorobenzene	12.40	95	908636	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
Target Compounds						
						Qvalue
31) Cyclohexane	7.65	56	5360302	193.289	ug/l	93
39) Methylcyclohexane	9.08	83	12877702	511.005	ug/l	99
40) Benzene	8.04	78	4836056	78.266	ug/l	100
52) Toluene	10.15	92	21483304m	585.186	ug/l	
67) Ethyl Benzene	11.51	91	17065499m	252.925	ug/l	
68) m/p-Xylenes	11.61	106	24544477m	977.152	ug/l	
69) o-Xylene	11.94	106	16068253m	658.748	ug/l	
73) Isopropylbenzene	12.25	105	2103492	31.761	ug/l	99
78) n-propylbenzene	12.59	91	9103508	120.994	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	15056106m	285.042	ug/l	
84) 1,2,4-Trimethylbenzene	13.03	105	23201315m	438.298	ug/l	
85) sec-Butylbenzene	13.17	105	1081129	16.856	ug/l #	47
86) p-Isopropyltoluene	13.29	119	660660m	12.094	ug/l	
89) n-Butylbenzene	13.62	91	2335745	51.413	ug/l #	68
95) Naphthalene	15.13	128	9300132	275.986	ug/l	100

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

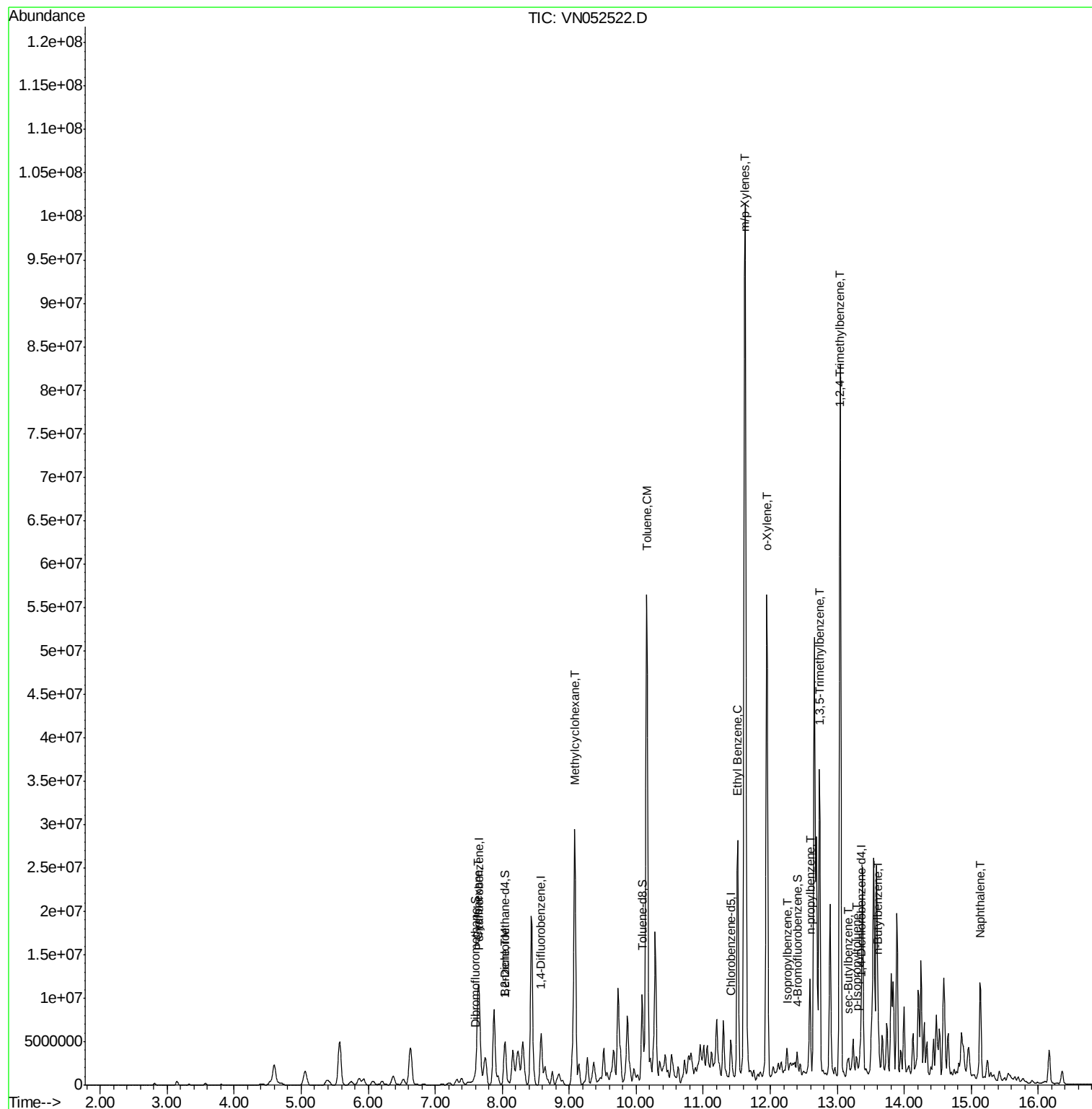
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112818\
Data File : VN052522.D
Acq On : 28 Nov 2018 16:22
Operator : MD\SY
Sample : J6064-01 20X
Misc : 4.96g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 18 Sample Multiplier: 28

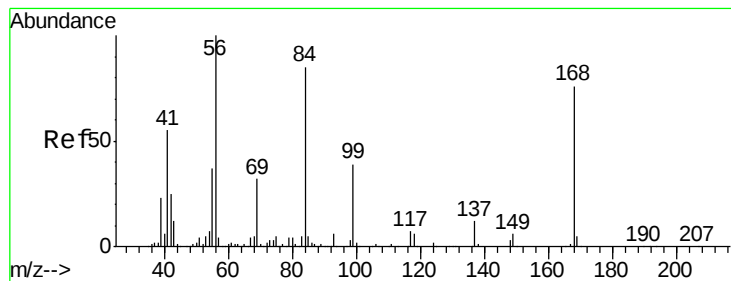
Instrument :
MSVOA_N
ClientSampleId :
OILY-SOIL

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11/29/2018 3:51:25 PM

Quant Time: Nov 29 11:18:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 28 01:11:38 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOIL

Tot Ion:168 Resp: 1487799

Ion Ratio Lower Upper

168 100

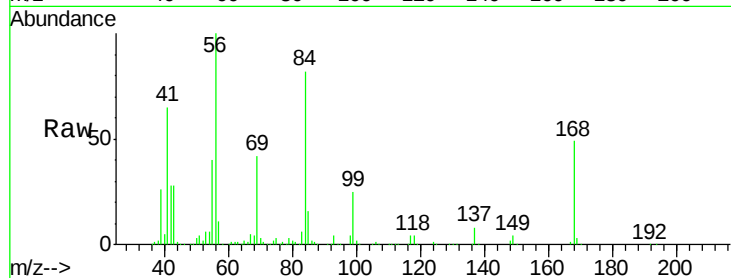
99 51.6 41.7 62.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

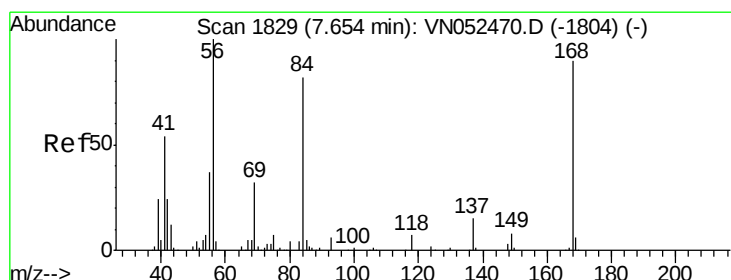
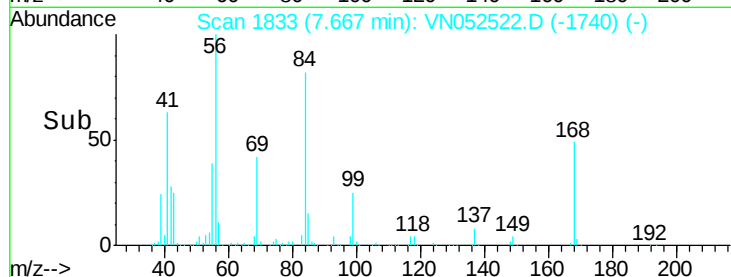
400000

200000

0

Time-->

7.60 7.70 7.80



#31

Cyclohexane

Concen: 193.289 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

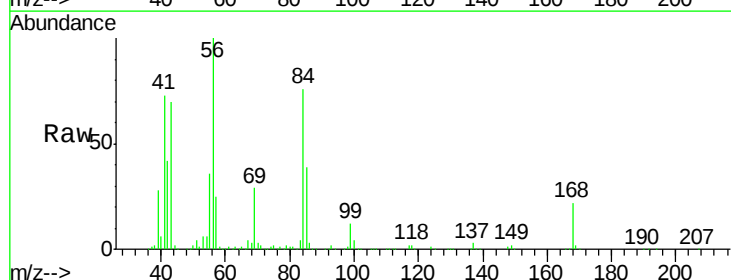
Tgt Ion: 56 Resp: 5360302

Ion Ratio Lower Upper

56 100

69 27.8 25.8 38.6

84 75.8 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN

7.65

2500000

2000000

1500000

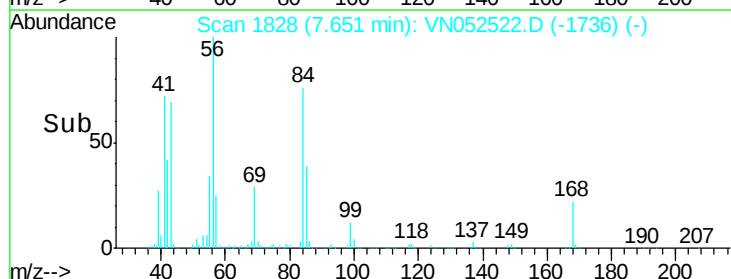
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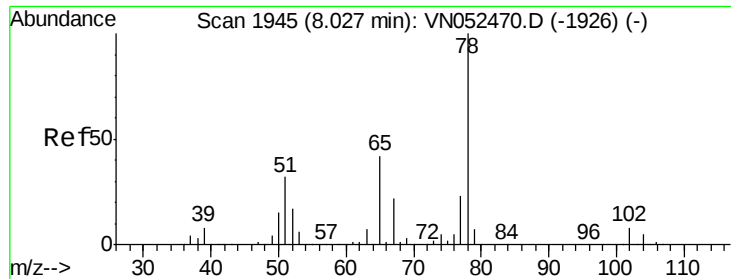
500000

0

Time-->

7.55 7.60 7.65 7.70





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

Tot Ion: 65 Resp: 709287

Ion Ratio Lower Upper

65 100

67 55.6 0.0 109.8

Instrument :

MSVOA_N

ClientSampleId :

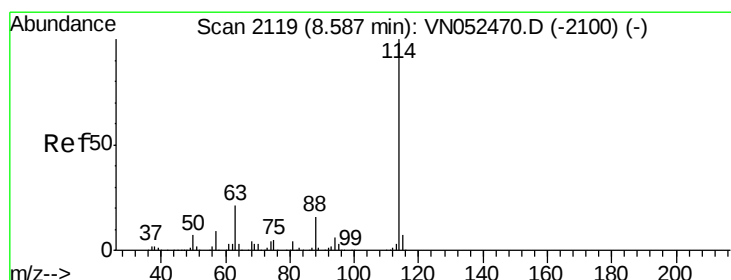
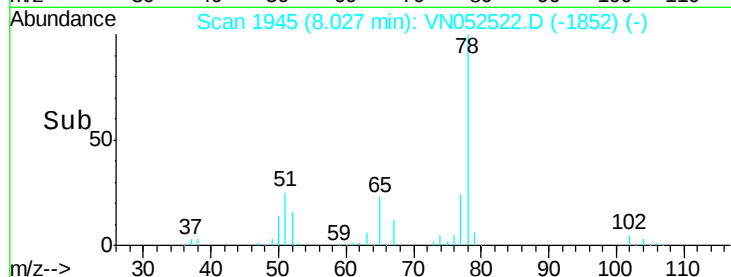
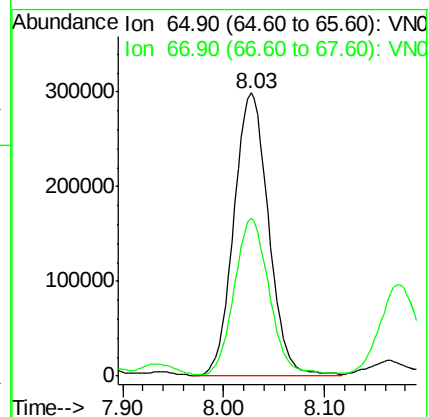
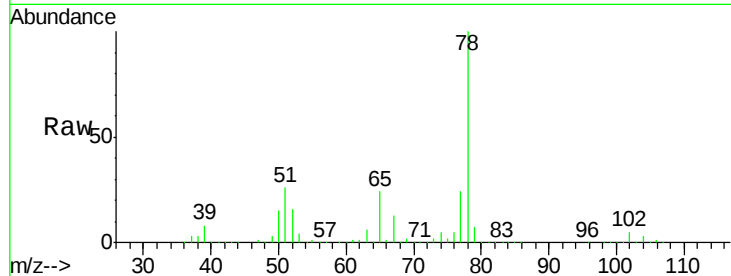
OILY-SOIL

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

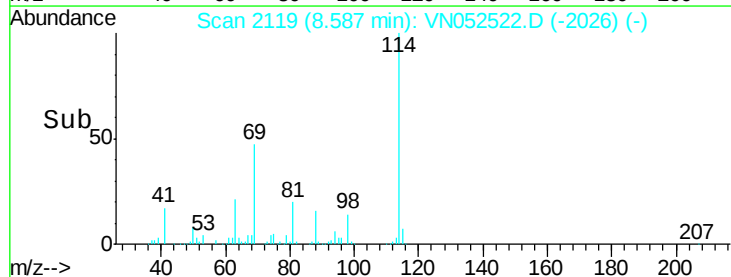
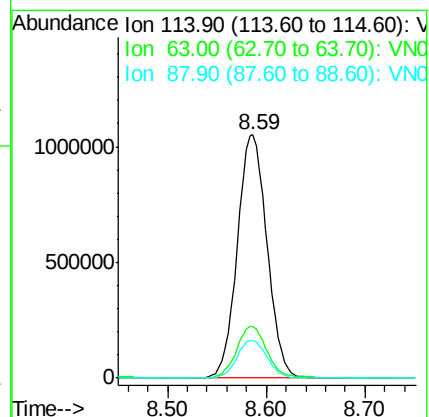
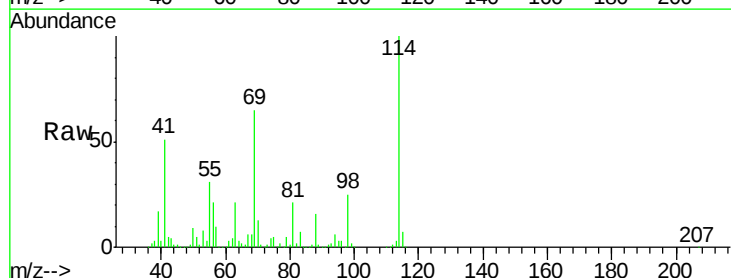
Tgt Ion:114 Resp: 2195581

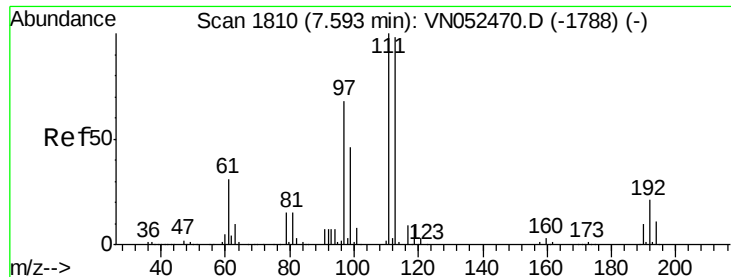
Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.8

88 15.6 0.0 31.6





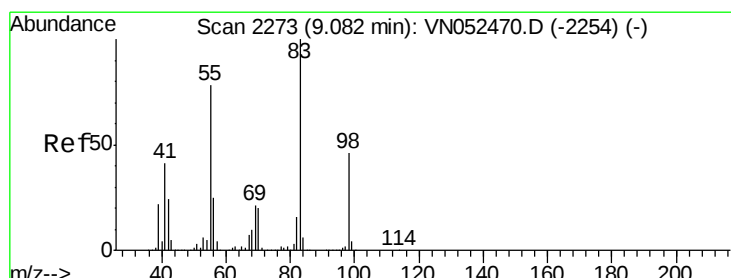
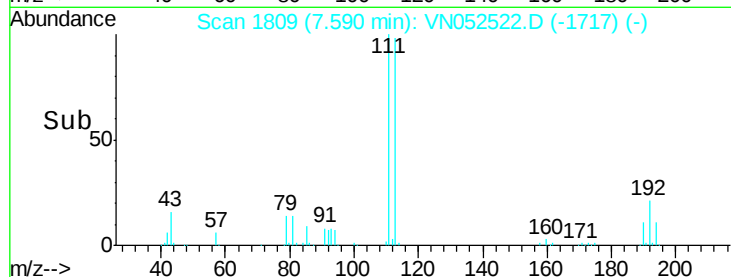
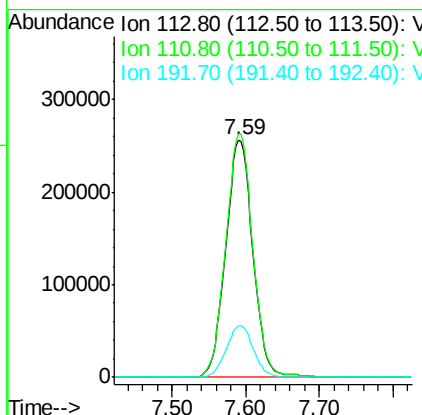
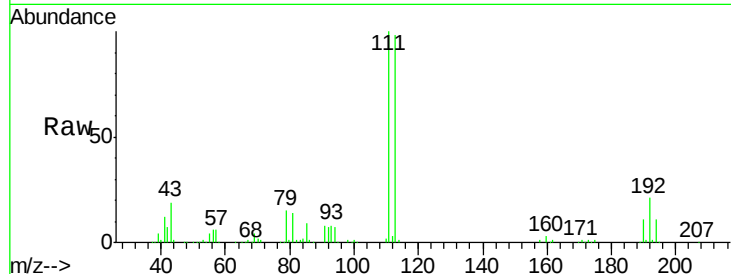
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052522.D
 Acq: 28 Nov 2018 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-SOIL

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	21.9	17.0	25.6

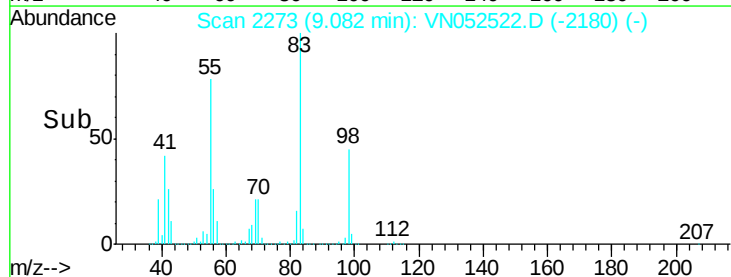
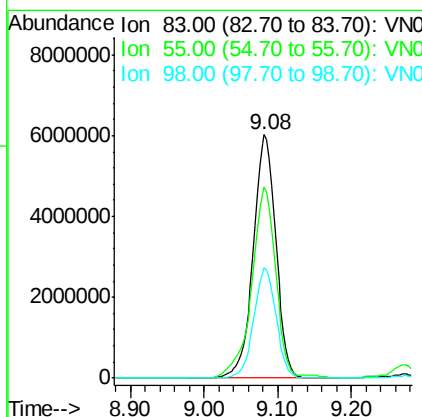
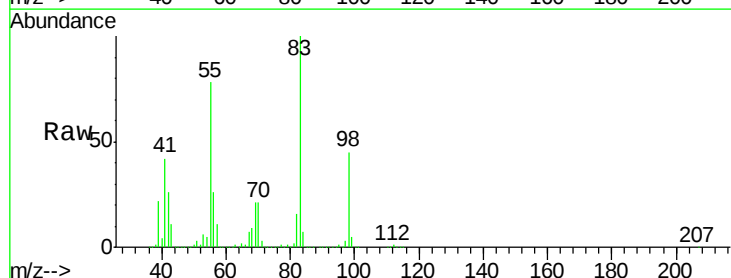
Manual Integrations
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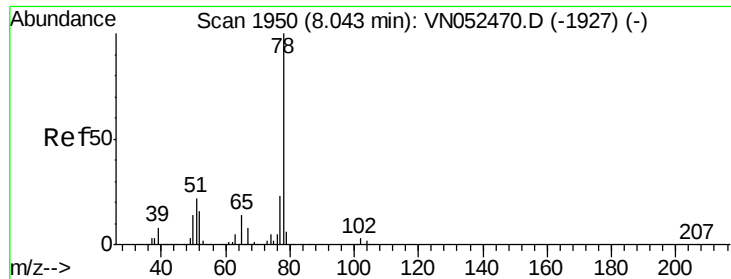
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#39
 Methylcyclohexane
 Concen: 511.005 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN052522.D
 Acq: 28 Nov 2018 16:22

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.3	62.2	93.2
98	45.2	36.4	54.6





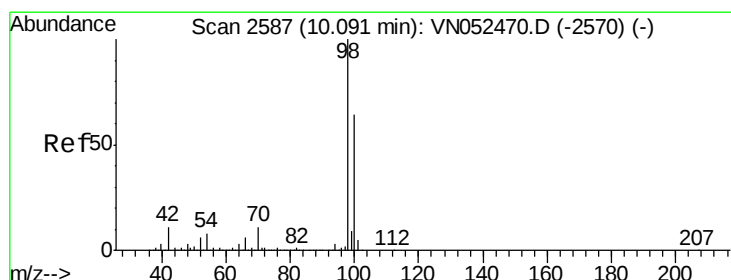
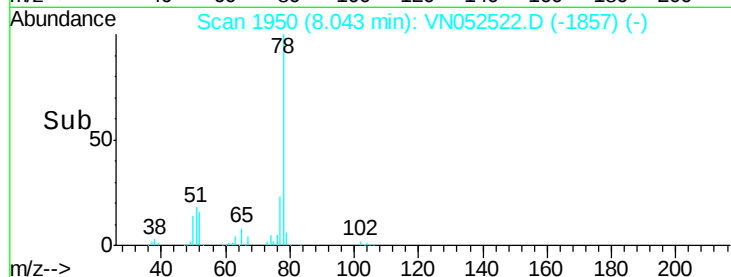
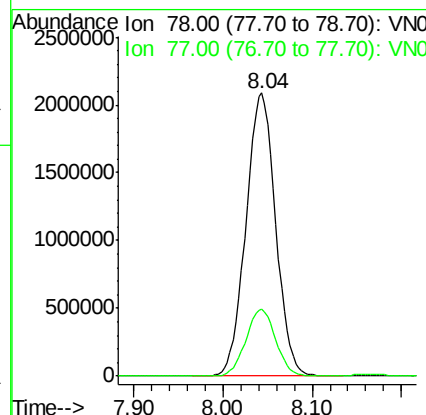
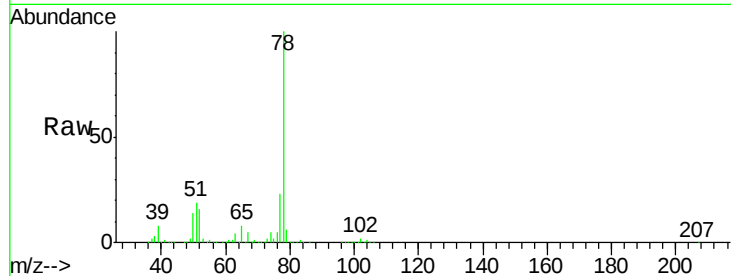
#40
Benzene
Concen: 78.266 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052522.D
Acq: 28 Nov 2018 16:22

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOIL

Tot Ion: 78 Resp: 4836056
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

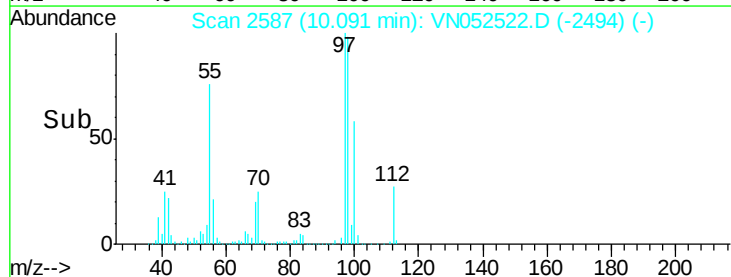
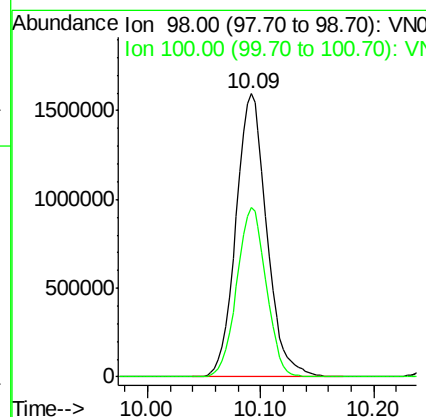
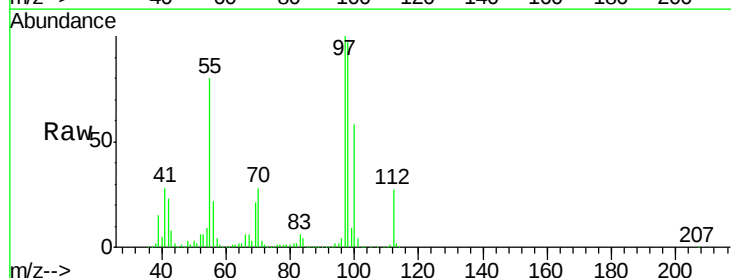
Manual Integrations
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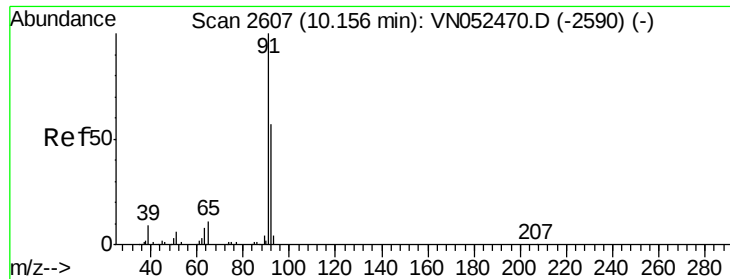
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11/29/2018 3:51:25 PM



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052522.D
Acq: 28 Nov 2018 16:22

Tgt Ion: 98 Resp: 3017709
Ion Ratio Lower Upper
98 100
100 57.3 51.3 76.9





#52

Toluene

Concen: 585.186 ug/l m

RT: 10.15 min Scan# 2604

Delta R.T. -0.01 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOIL

Tot Ion: 92 Resp: 21483304

Ion Ratio Lower Upper

92 100

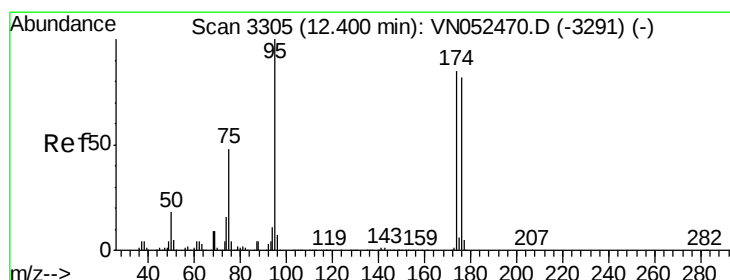
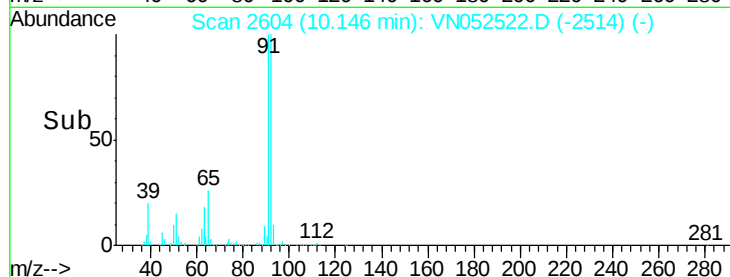
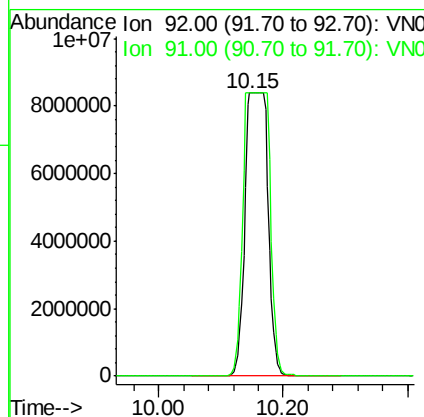
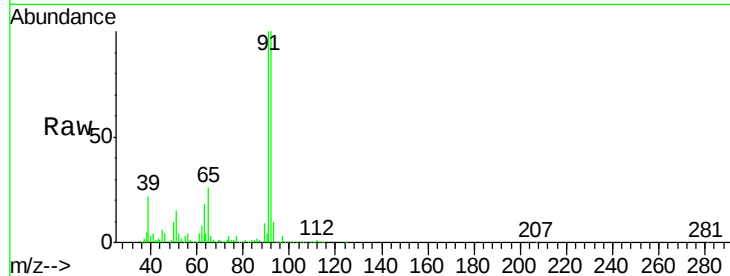
91 0.0 141.0 211.4#

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

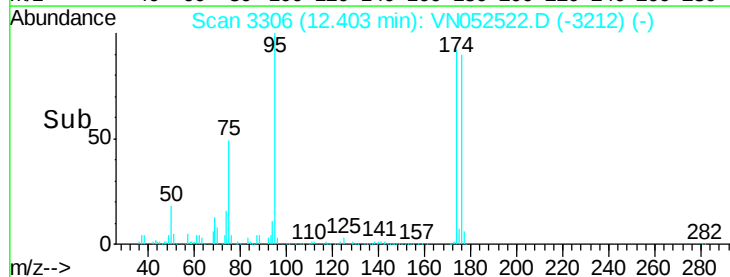
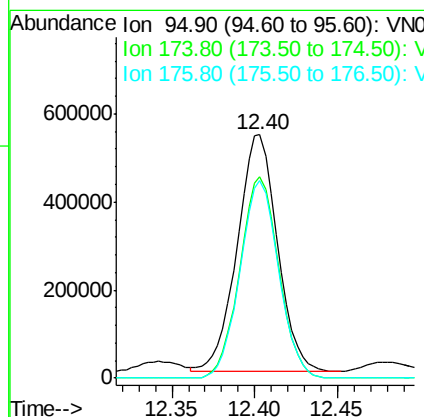
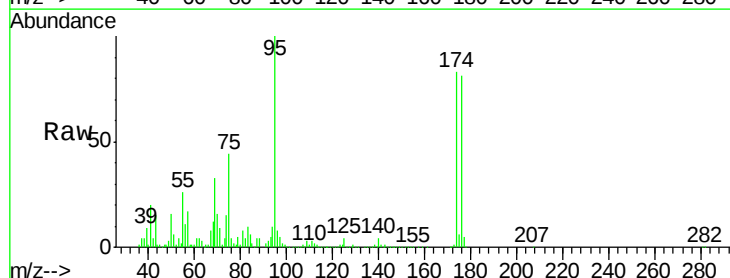
Tgt Ion: 95 Resp: 908636

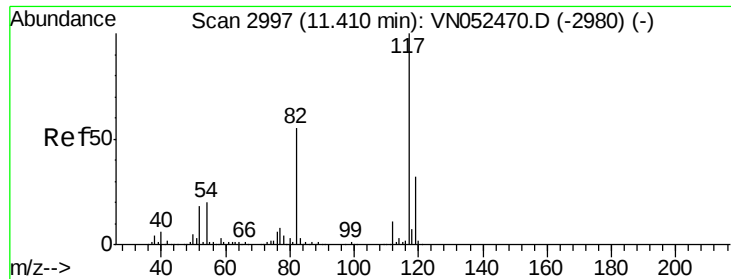
Ion Ratio Lower Upper

95 100

174 82.1 0.0 173.0

176 79.9 0.0 166.2





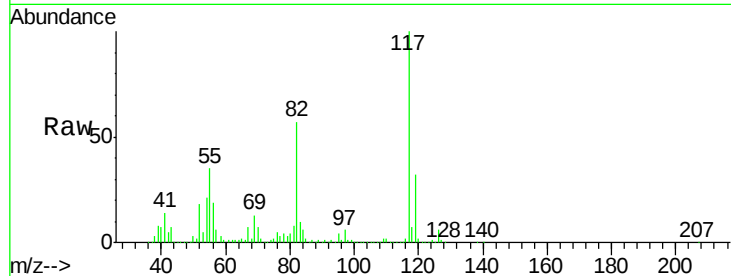
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052522.D
Acq: 28 Nov 2018 16:22

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOIL

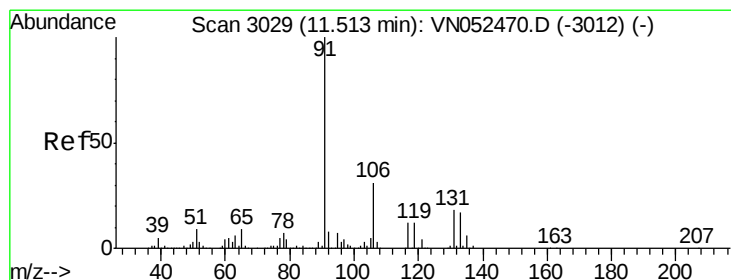
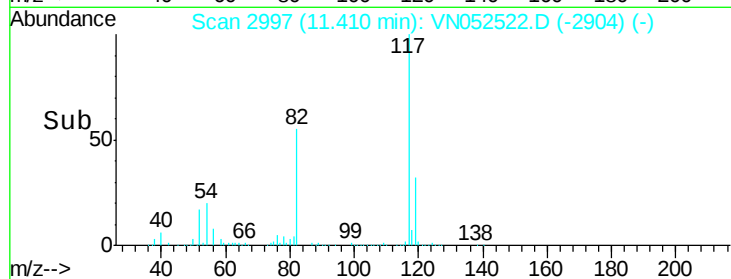
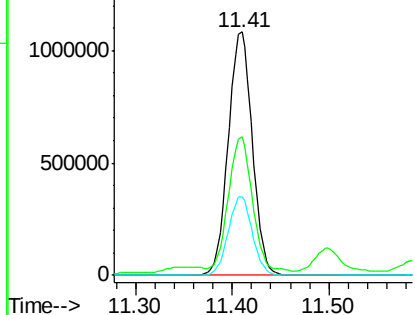
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.6	65.4
119	32.5	25.4	38.2

Manual Integrations
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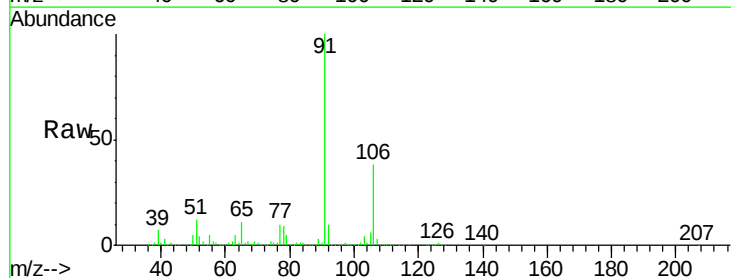


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

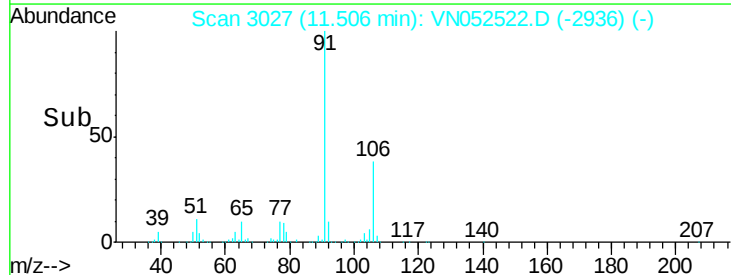
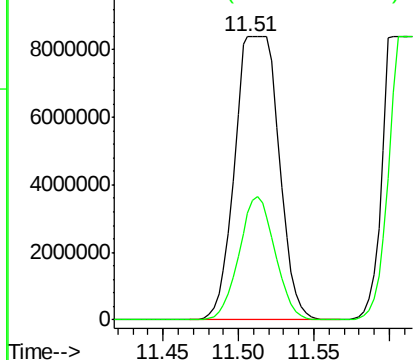


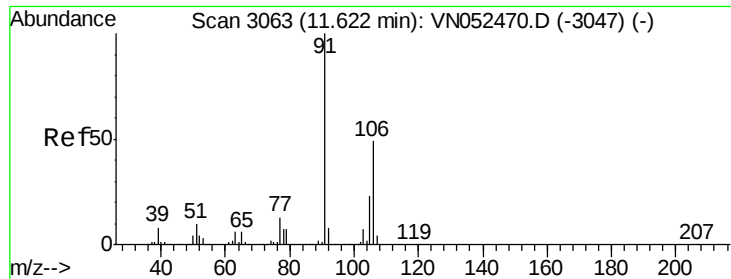
#67
Ethyl Benzene
Concen: 252.925 ug/l m
RT: 11.51 min Scan# 3027
Delta R.T. -0.01 min
Lab File: VN052522.D
Acq: 28 Nov 2018 16:22

Tgt Ion	Ratio	Lower	Upper
91	100		
106	37.5	24.9	37.3



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





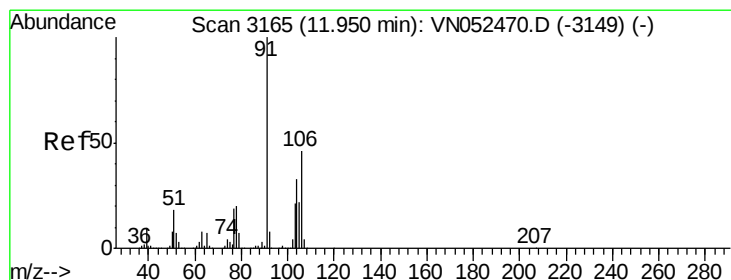
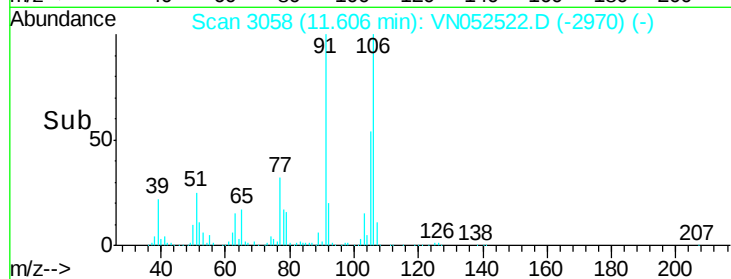
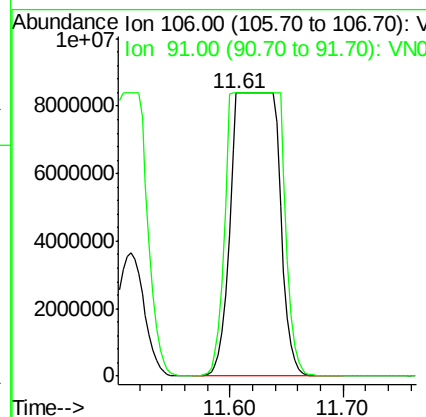
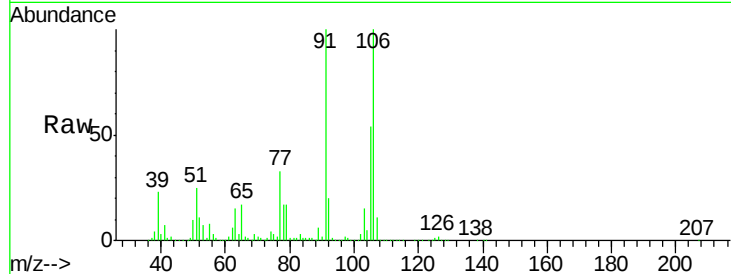
#68
m/p-Xylenes
Concen: 977.152 ug/l m
RT: 11.61 min Scan# 3058
Delta R.T. -0.02 min
Lab File: VN052522.D
Acq: 28 Nov 2018 16:22

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOIL

Tot Ion:106 Resp:24544477
Ion Ratio Lower Upper
106 100
91 0.0 163.2 244.8#

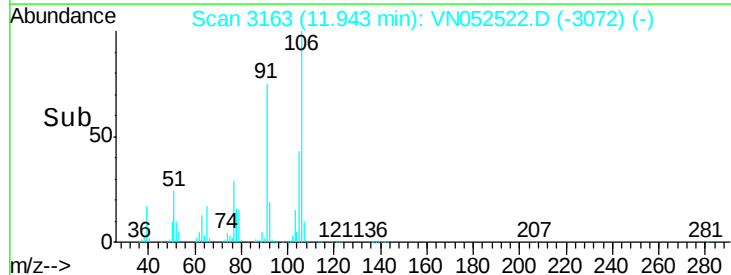
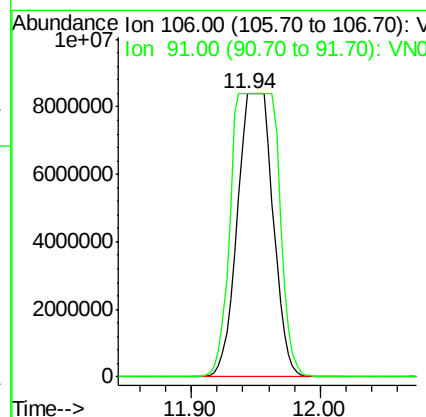
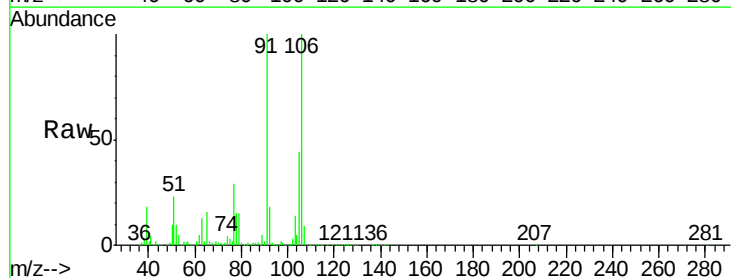
Manual Integrations
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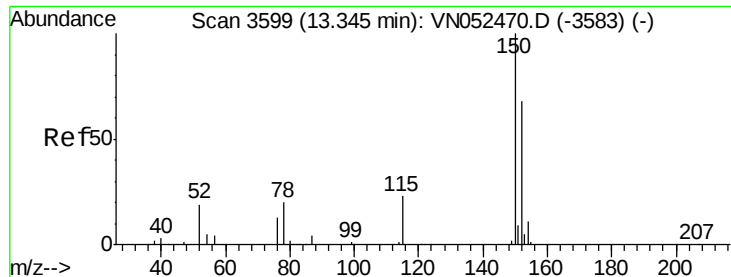
MMDadoda
11/29/2018 3:51:25 PM



#69
o-Xylene
Concen: 658.748 ug/l m
RT: 11.94 min Scan# 3163
Delta R.T. -0.01 min
Lab File: VN052522.D
Acq: 28 Nov 2018 16:22

Tgt Ion:106 Resp:16068253
Ion Ratio Lower Upper
106 100
91 0.0 107.7 323.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOIL

Tot Ion:152 Resp: 844155

Ion Ratio Lower Upper

152 100

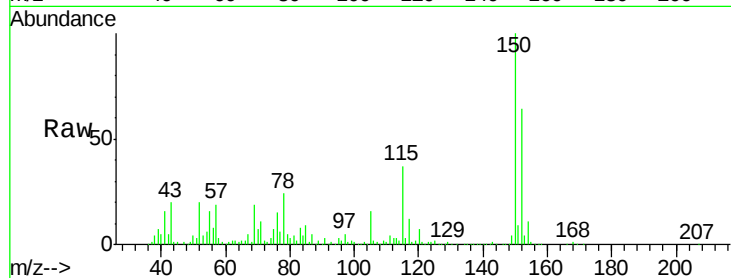
115 53.0 28.4 85.2

150 154.9 0.0 346.0

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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

1000000

800000

600000

400000

200000

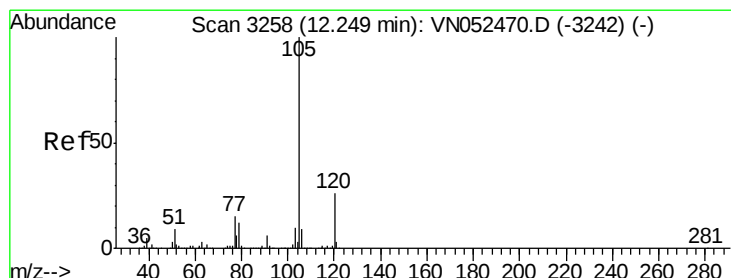
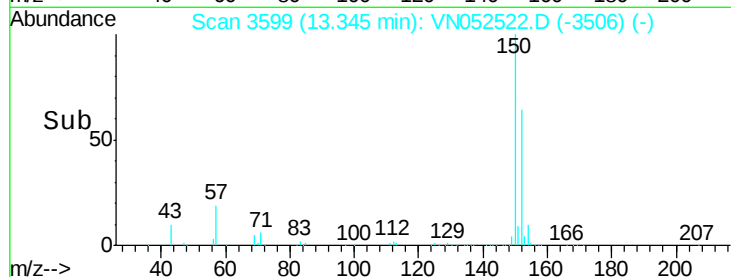
0

13.35

13.30

13.40

Time-->



#73

Isopropylbenzene

Concen: 31.761 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052522.D

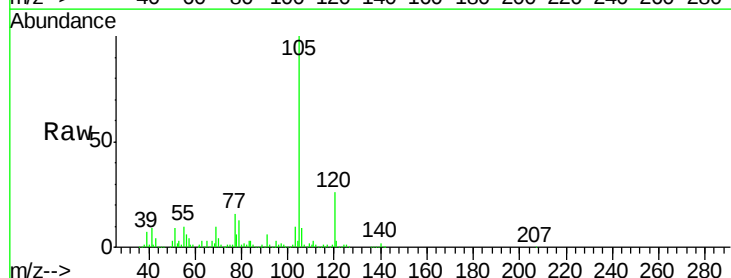
Acq: 28 Nov 2018 16:22

Tgt Ion:105 Resp: 2103492

Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500000

1000000

500000

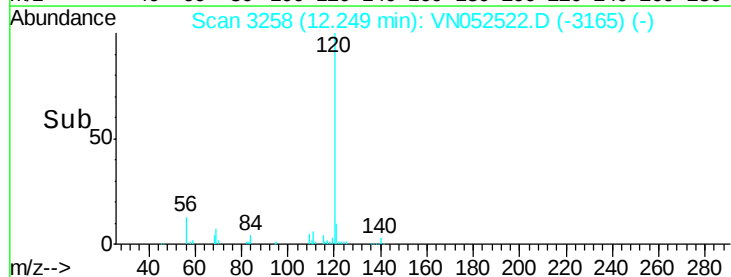
0

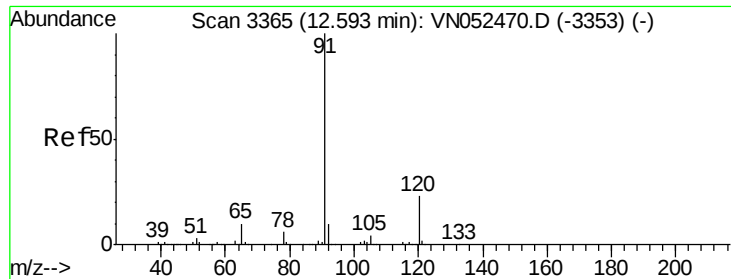
12.25

12.20

12.30

Time-->





#78

n-propylbenzene

Concen: 120.994 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOIL

Tot Ion: 91 Resp: 9103508

Ion Ratio Lower Upper

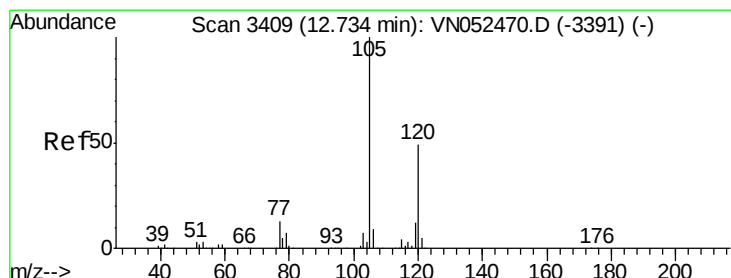
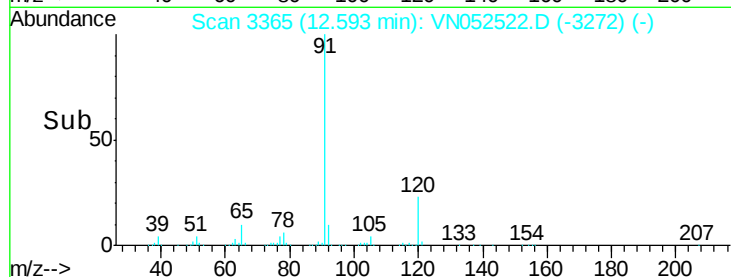
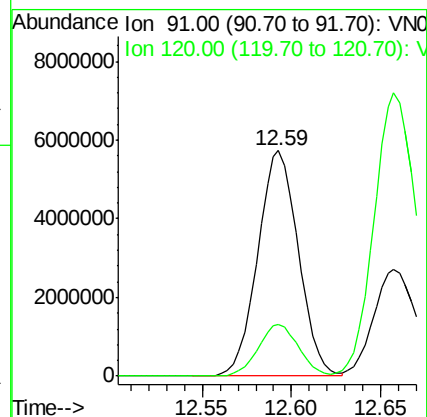
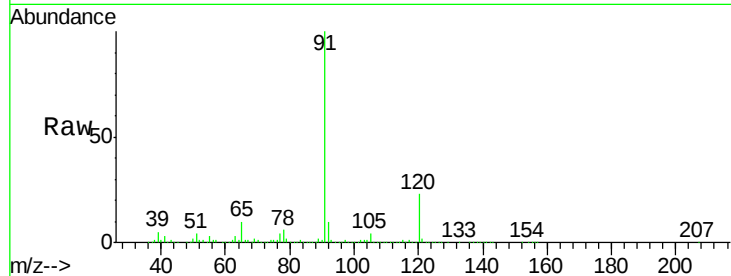
91 100

120 22.9 11.3 33.9

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 285.042 ug/l m

RT: 12.73 min Scan# 3407

Delta R.T. -0.01 min

Lab File: VN052522.D

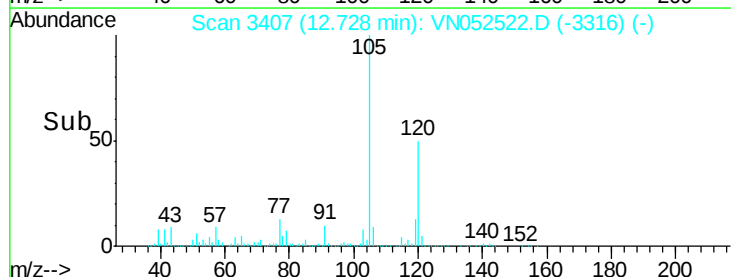
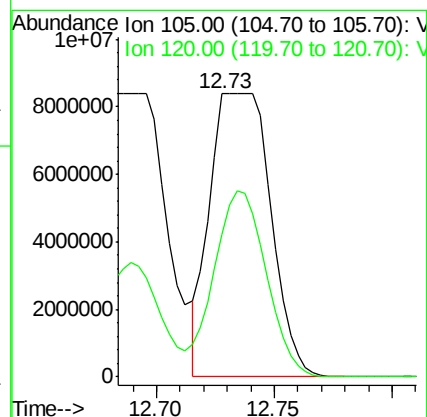
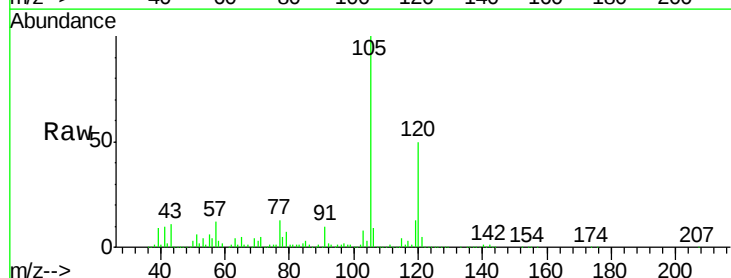
Acq: 28 Nov 2018 16:22

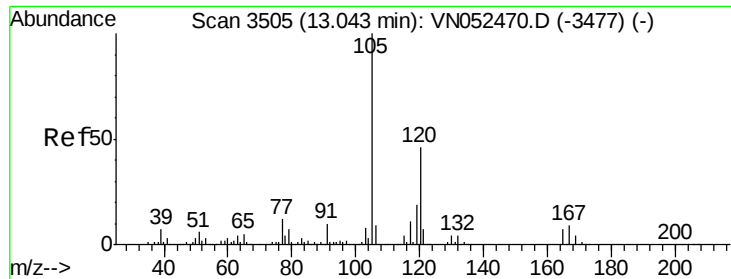
Tgt Ion:105 Resp:15056106

Ion Ratio Lower Upper

105 100

120 27.1 24.3 73.0





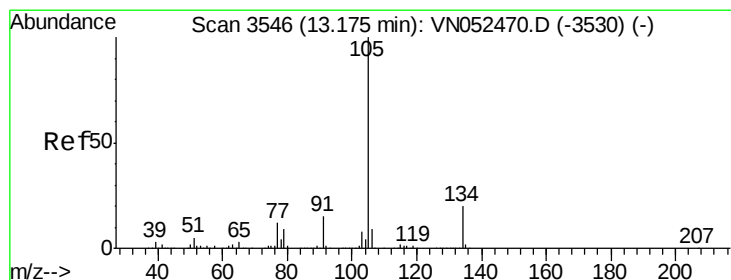
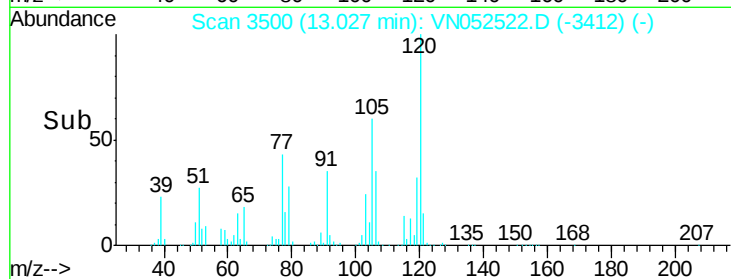
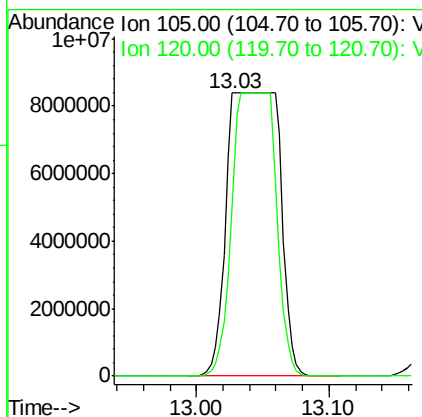
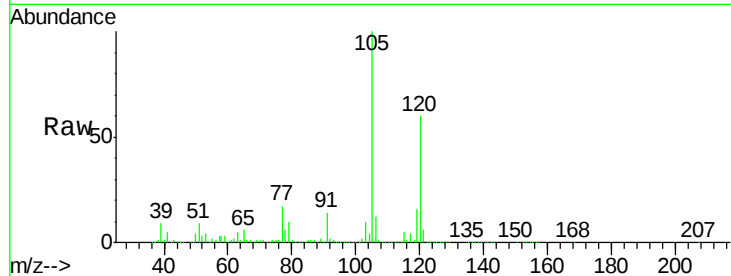
#84
 1,2,4-Trimethylbenzene
 Concen: 438.298 ug/l m
 RT: 13.03 min Scan# 3500
 Delta R.T. -0.02 min
 Lab File: VN052522.D
 Acq: 28 Nov 2018 16:22

Instrument :
 MSVOA_N
 ClientSampled :
 OILY-SOIL

Tot Ion:105 Resp:23201315
 Ion Ratio Lower Upper
 105 100
 120 17.6 22.8 68.4#

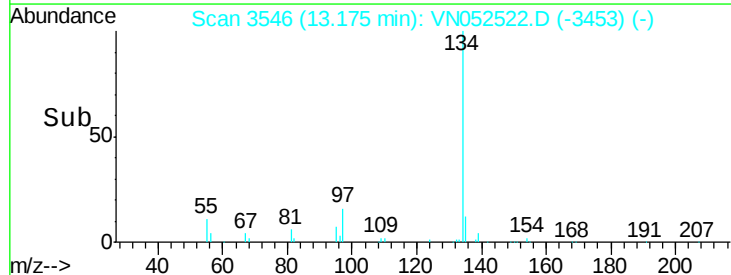
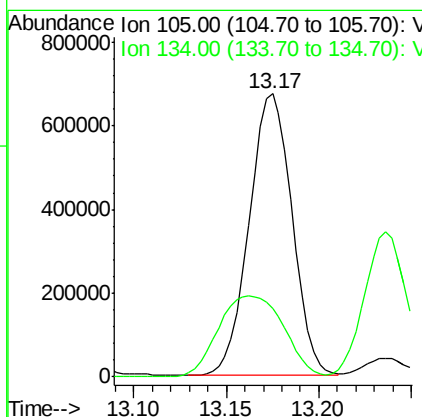
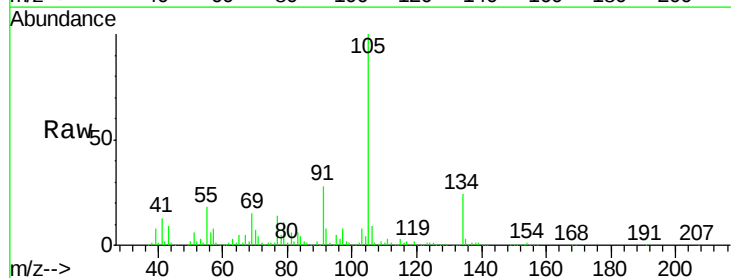
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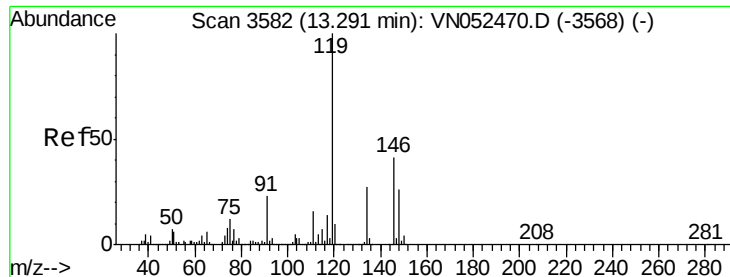
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#85
 sec-Butylbenzene
 Concen: 16.856 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN052522.D
 Acq: 28 Nov 2018 16:22

Tgt Ion:105 Resp: 1081129
 Ion Ratio Lower Upper
 105 100
 134 43.8 9.9 29.7#





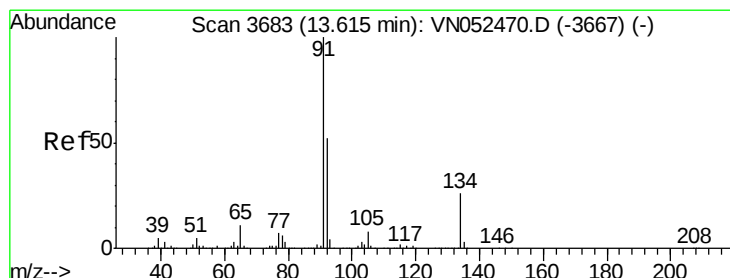
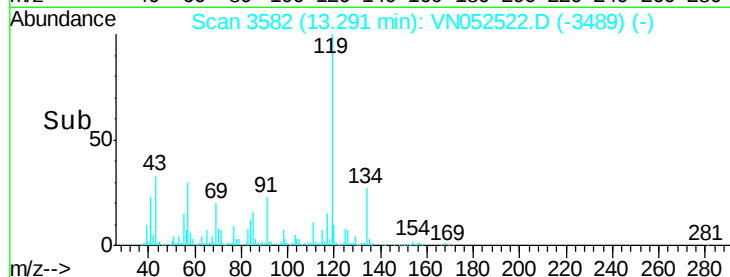
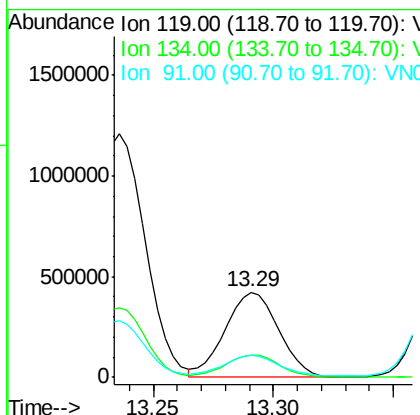
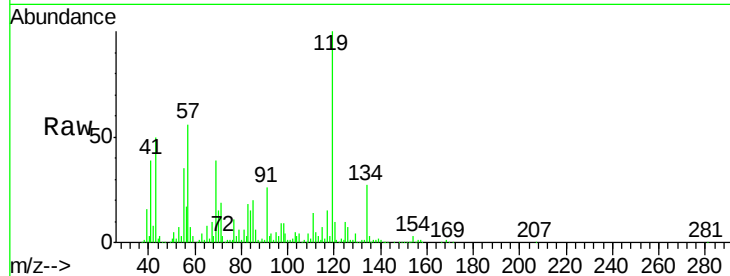
#86
 p-Isopropyltoluene
 Concen: 12.094 ug/l m
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN052522.D
 Acq: 28 Nov 2018 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-SOIL

Tot Ion	Ratio	Lower	Upper
119	100		
134	81.6	13.4	40.2#
91	63.8	11.4	34.2#

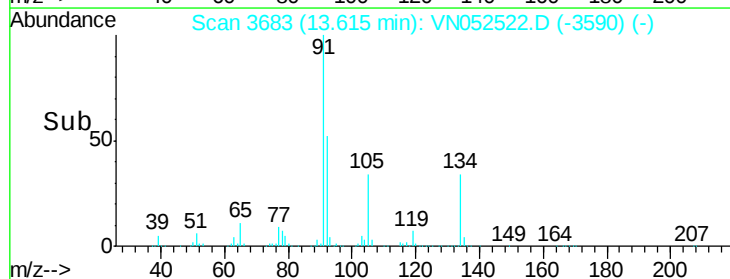
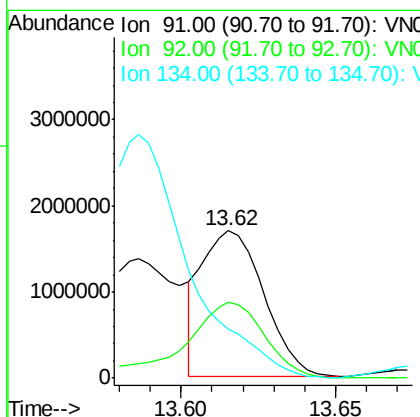
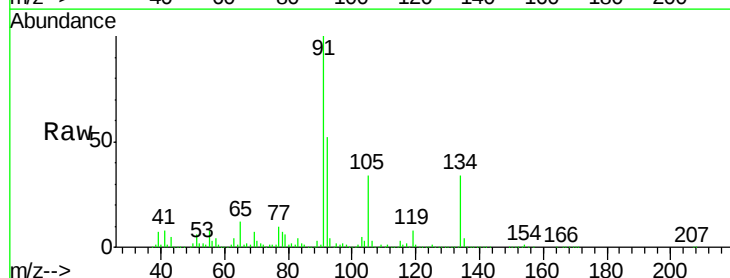
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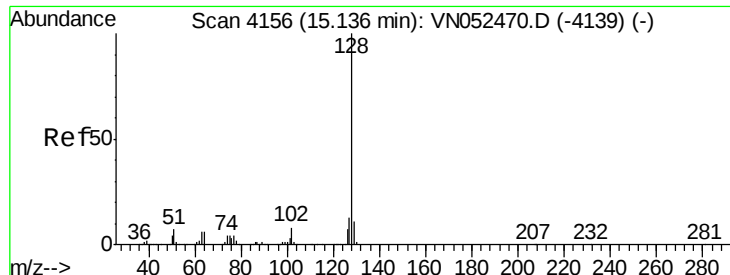
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#89
 n-Butylbenzene
 Concen: 51.413 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. -0.00 min
 Lab File: VN052522.D
 Acq: 28 Nov 2018 16:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	68.4	26.1	78.3
134	0.0	13.0	38.9#





#95
Naphthalene
Concen: 275.986 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052522.D
Acq: 28 Nov 2018 16:22

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOIL

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.7	13.1

Manual Integrations
APPROVED

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