

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052763.D
 Acq On : 10 Dec 2018 19:37
 Operator : MD\SY
 Sample : J6269-02 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-SOIL

Quant Time: Dec 11 03:03:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1214632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1863799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1658484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	734314	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	627685	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
35) Dibromofluoromethane	7.59	113	519624	45.22	ug/l	0.00
Spiked Amount			Recovery	=	90.44%	
50) Toluene-d8	10.09	98	2274446	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.40	95	761855	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	

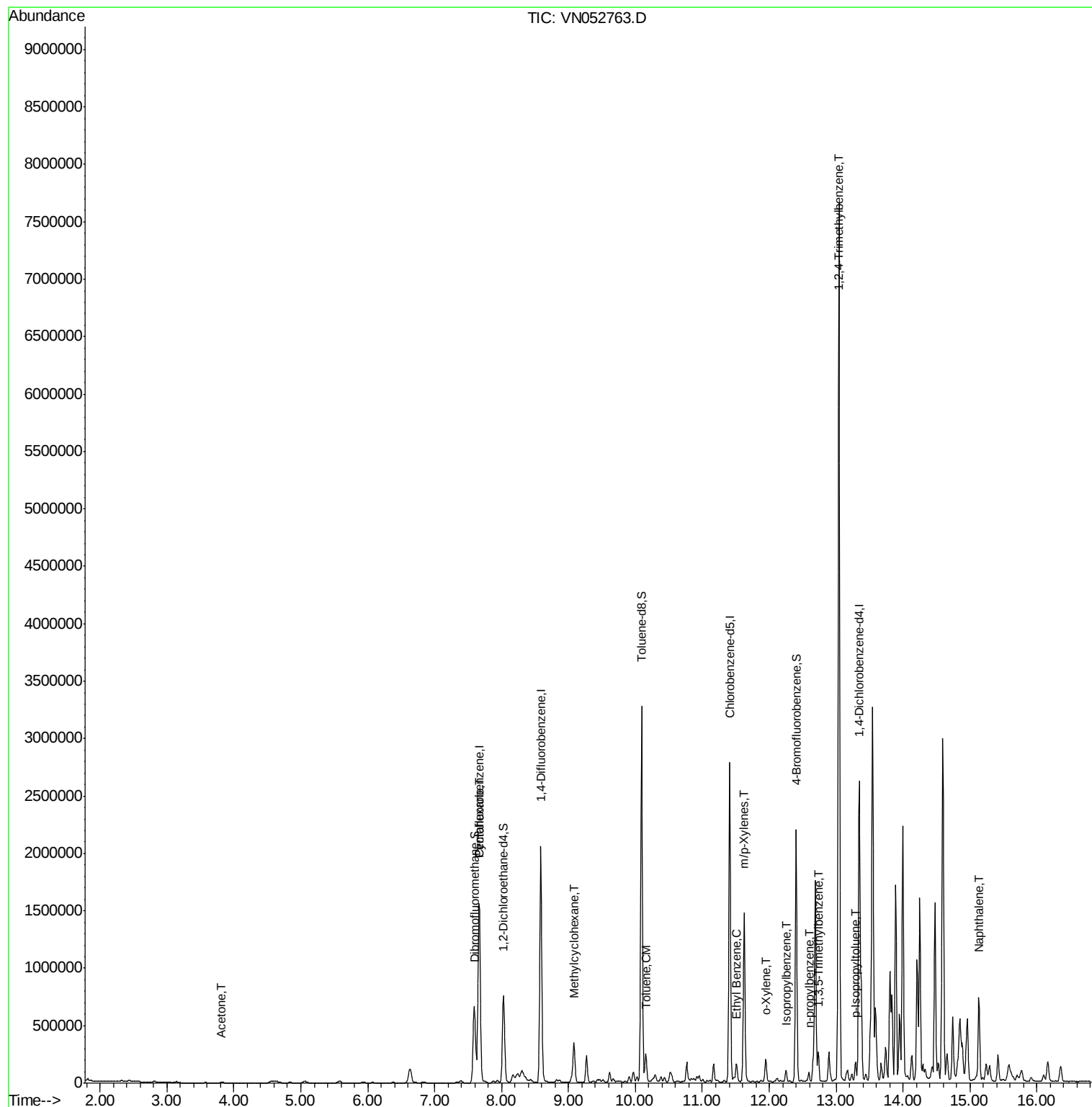
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	7546	2.163	ug/l	95
31) Cyclohexane	7.66	56	152006	6.359	ug/l #	81
39) Methylcyclohexane	9.08	83	159108	7.438	ug/l	97
52) Toluene	10.16	92	110063	3.532	ug/l	96
67) Ethyl Benzene	11.51	91	99870	1.668	ug/l	98
68) m/p-Xylenes	11.63	106	455153	20.416	ug/l	99
69) o-Xylene	11.95	106	54979	2.539	ug/l	98
73) Isopropylbenzene	12.25	105	67809	1.177	ug/l	98
78) n-propylbenzene	12.59	91	66538	1.017	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	131277	2.857	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	4359602	94.677	ug/l	100
86) p-Isopropyltoluene	13.29	119	81598	1.717	ug/l	99
95) Naphthalene	15.13	128	619992	24.316	ug/l	100

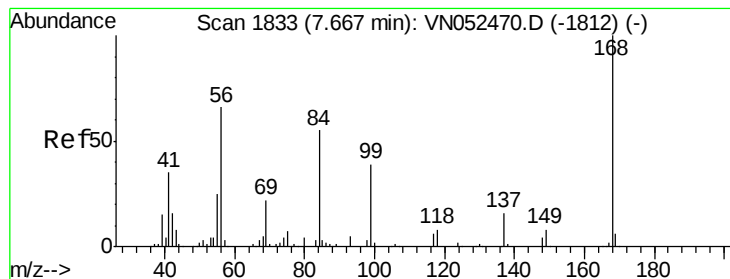
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052763.D

Acq: 10 Dec 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

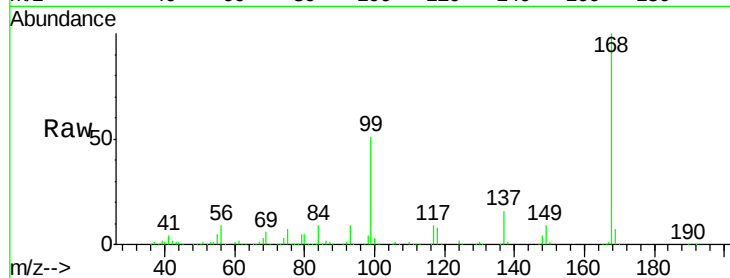
OILY-SOIL

Tot Ion:168 Resp: 1214632

Ion Ratio Lower Upper

168 100

99 51.3 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052763.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052763.D (-1740) (-)

7.67

600000

500000

400000

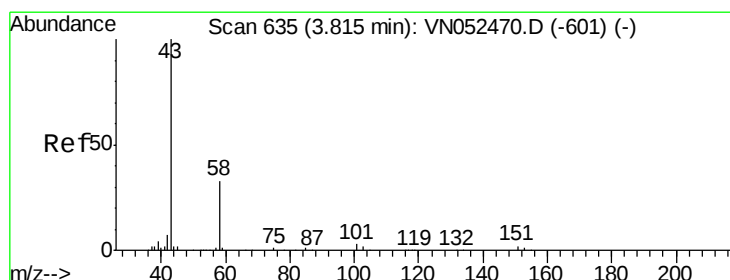
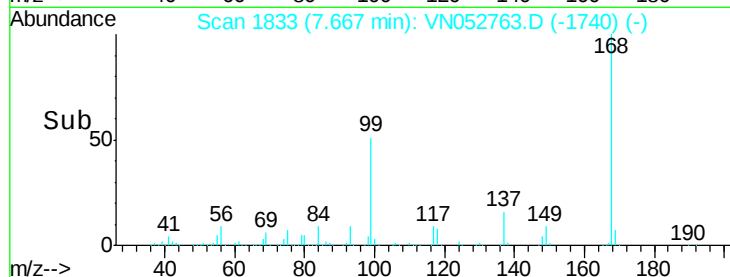
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 2.163 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052763.D

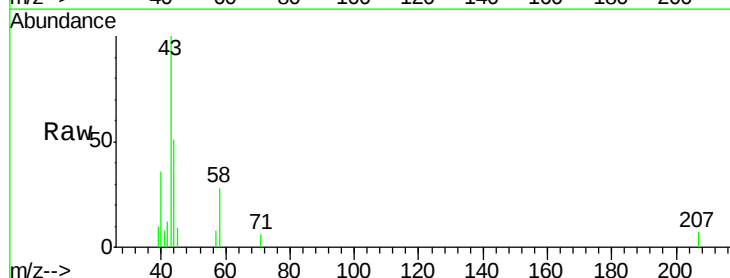
Acq: 10 Dec 2018 19:37

Tgt Ion: 43 Resp: 7546

Ion Ratio Lower Upper

43 100

58 29.9 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN052763.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052763.D (-542) (-)

3.82

3000

2500

2000

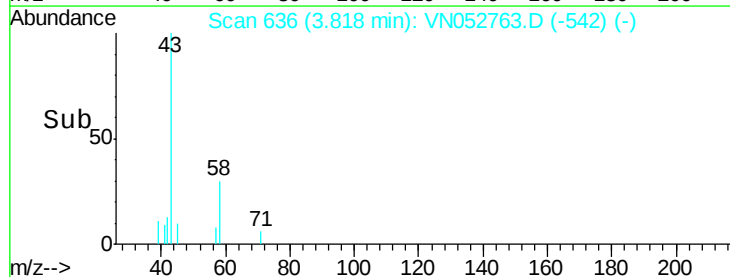
1500

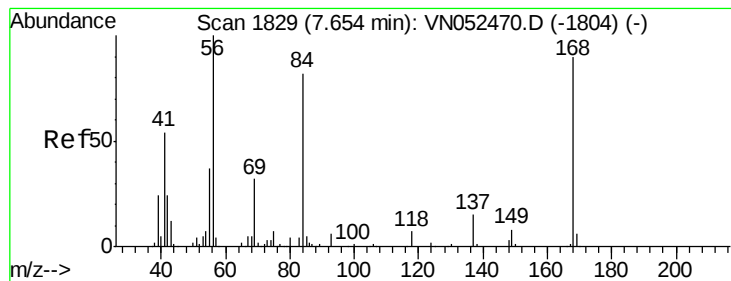
1000

500

0

Time-->





#31

Cyclohexane

Concen: 6.359 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052763.D

Acq: 10 Dec 2018 19:37

Instrument :

MSVOA_N

ClientSampled :

OILY-SOIL

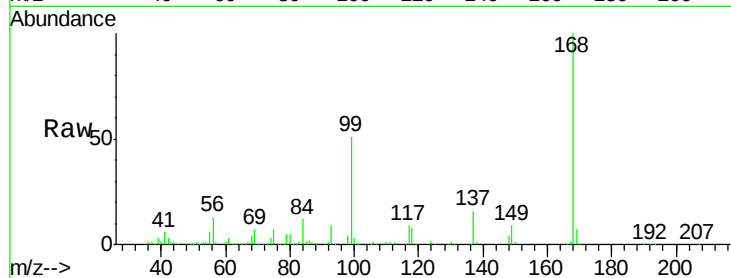
Tot Ion: 56 Resp: 152006

Ion Ratio Lower Upper

56 100

69 50.6 25.8 38.6#

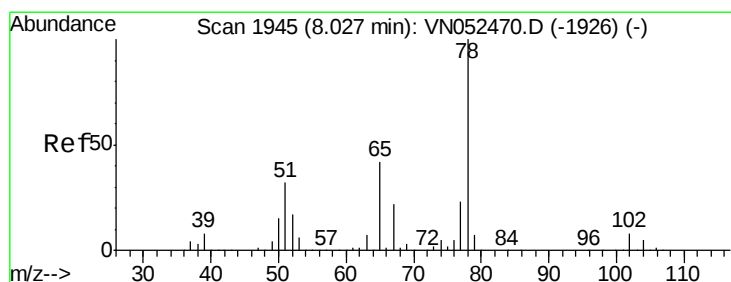
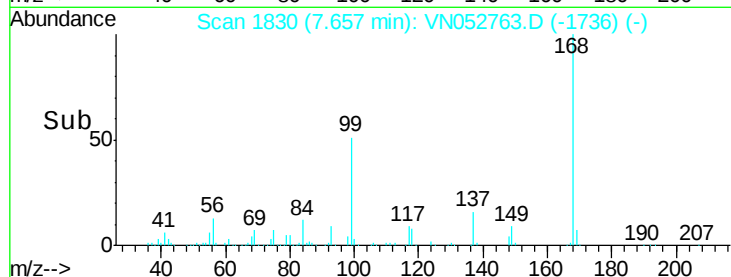
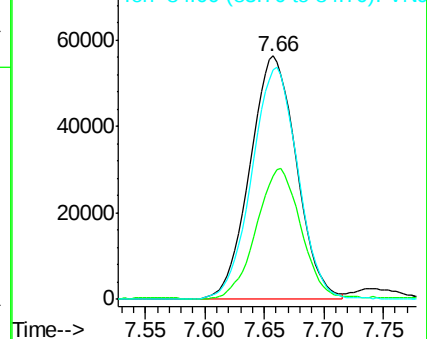
84 94.3 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052763.D

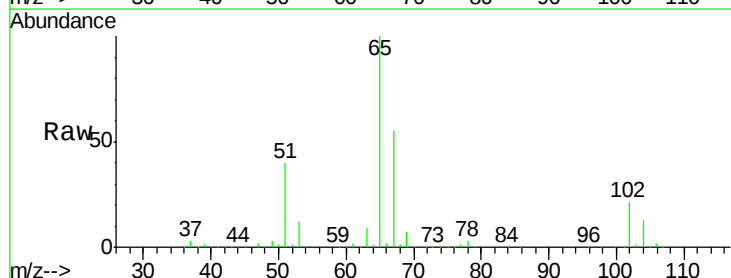
Acq: 10 Dec 2018 19:37

Tgt Ion: 65 Resp: 627685

Ion Ratio Lower Upper

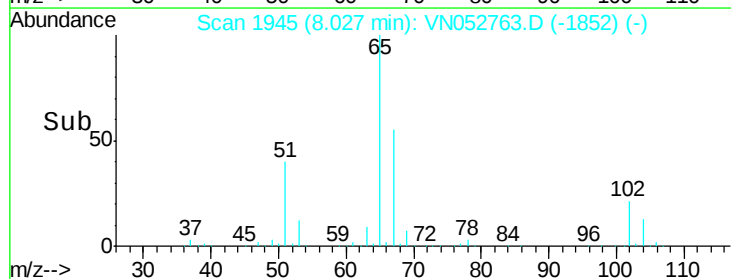
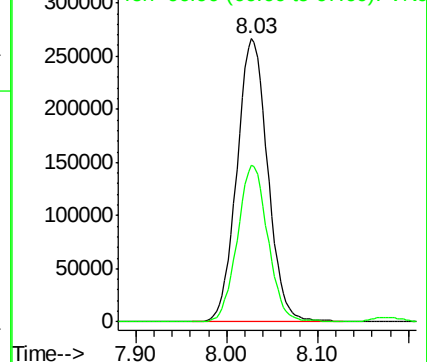
65 100

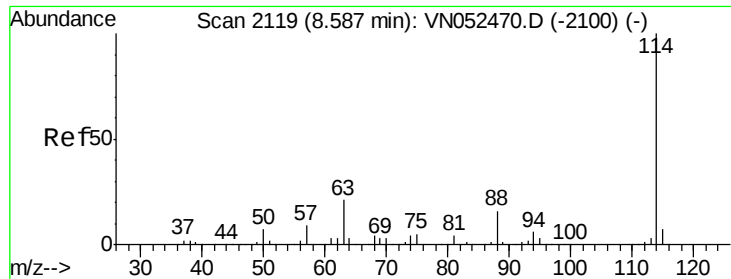
67 54.6 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

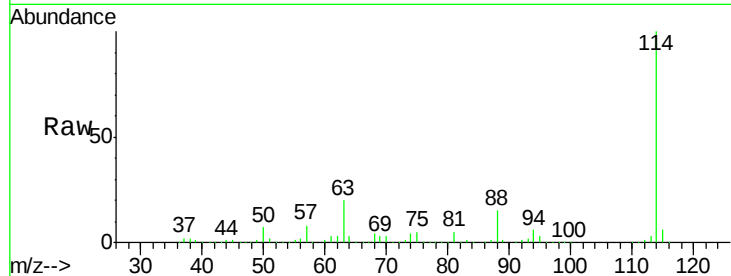




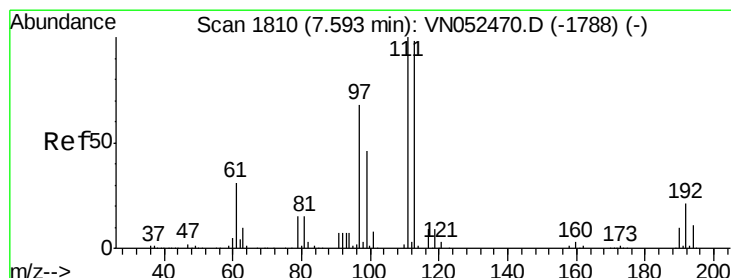
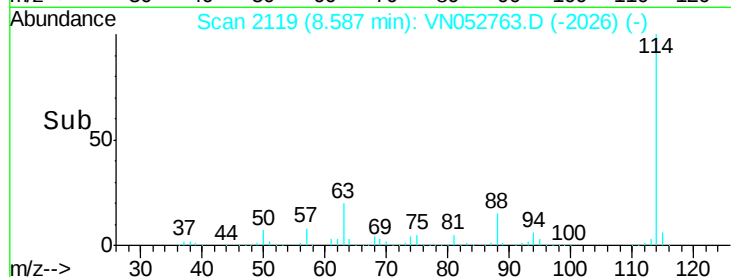
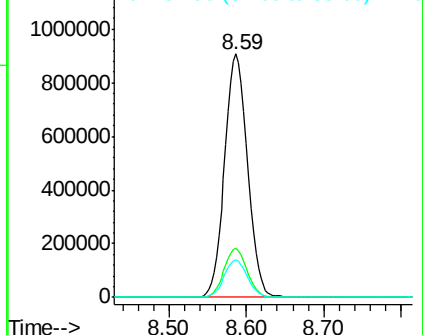
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052763.D
 Acq: 10 Dec 2018 19:37

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-SOIL

Tot Ion:114 Resp: 1863799
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.8
 88 15.3 0.0 31.6

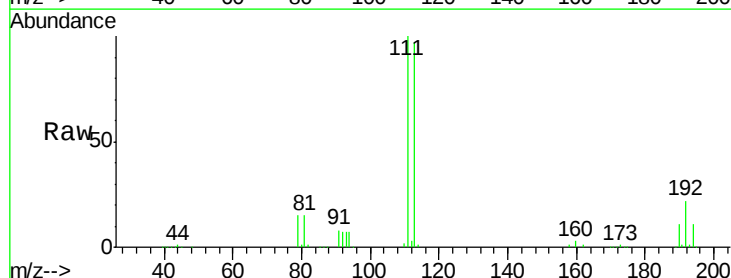


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

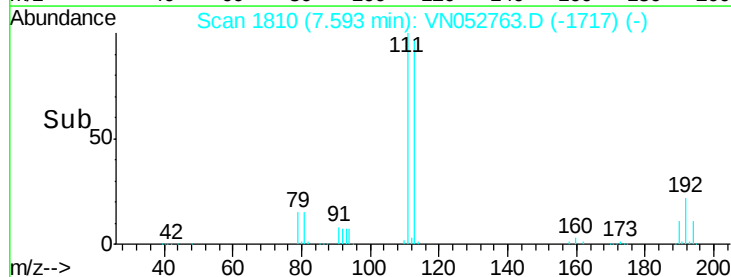
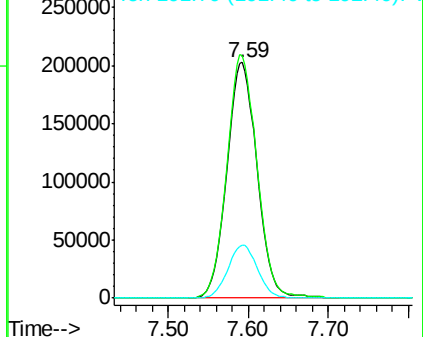


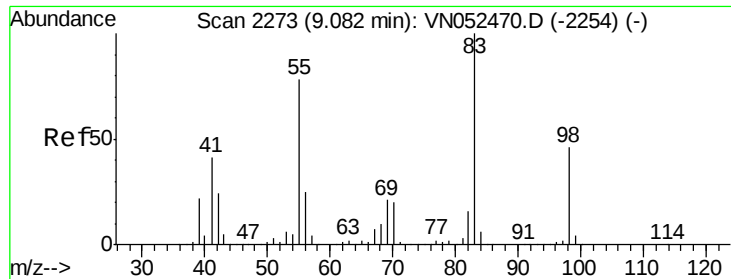
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052763.D
 Acq: 10 Dec 2018 19:37

Tgt Ion:113 Resp: 519624
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.0 123.0
 192 22.1 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

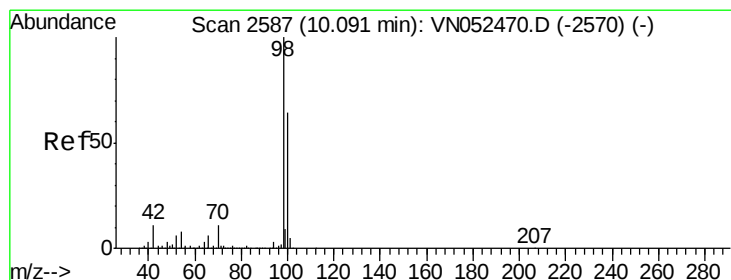
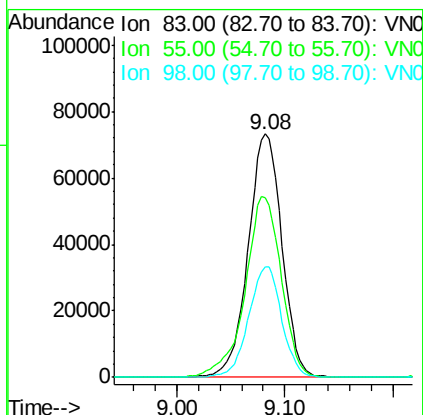
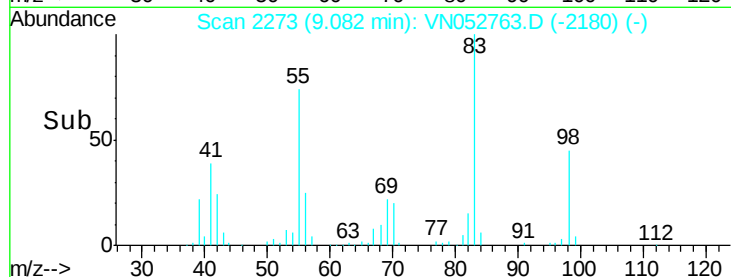
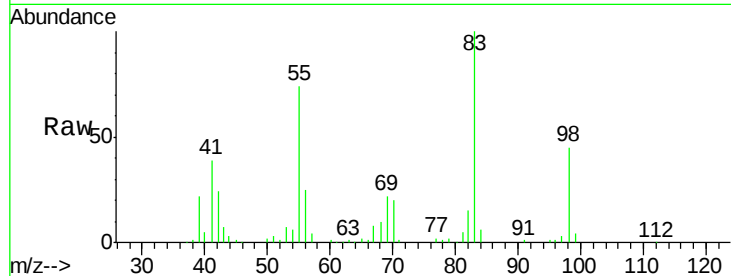




#39
Methylcyclohexane
Concen: 7.438 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052763.D
Acq: 10 Dec 2018 19:37

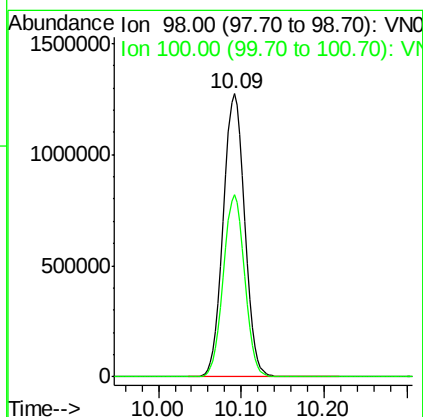
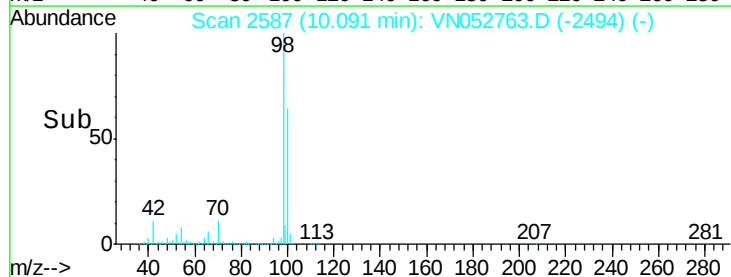
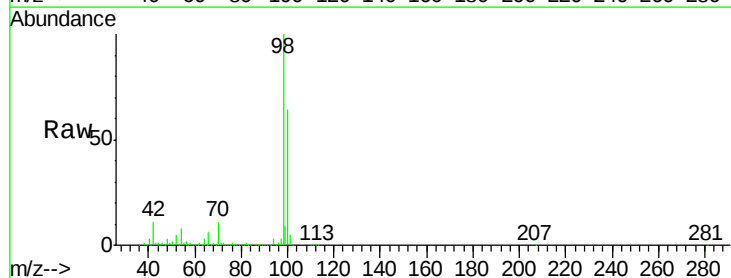
Instrument :
MSVOA_N
ClientSampleId :
OILY-SOIL

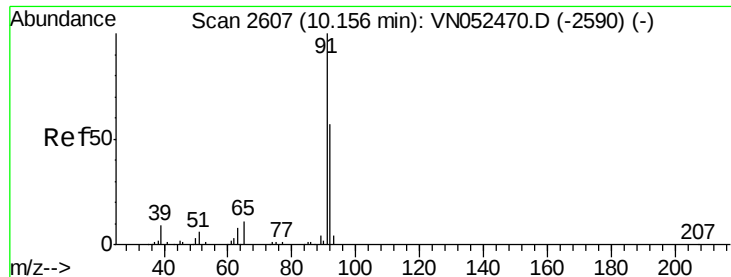
Tot Ion: 83 Resp: 159108
Ion Ratio Lower Upper
83 100
55 73.6 62.2 93.2
98 45.4 36.4 54.6



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052763.D
Acq: 10 Dec 2018 19:37

Tgt Ion: 98 Resp: 2274446
Ion Ratio Lower Upper
98 100
100 64.0 51.3 76.9





#52

Toluene

Concen: 3.532 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052763.D

Acq: 10 Dec 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

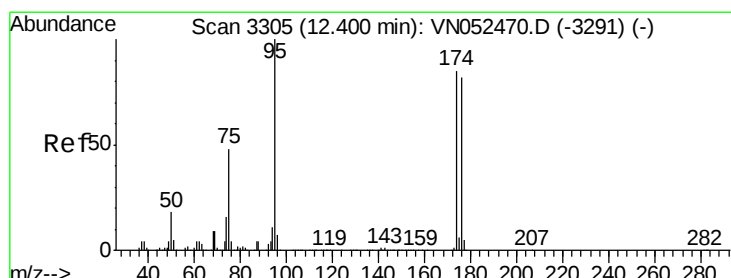
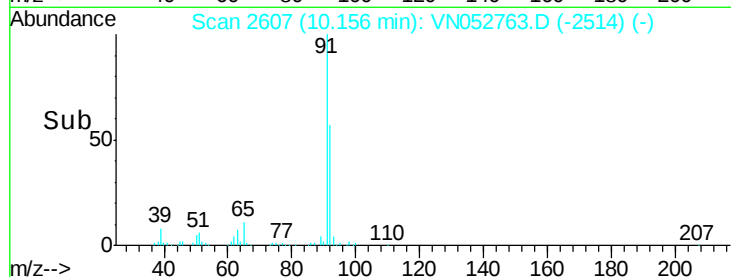
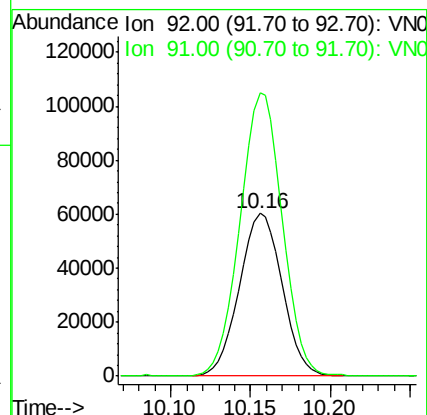
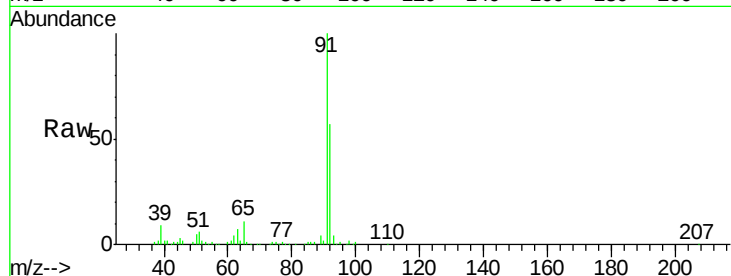
OILY-SOIL

Tot Ion: 92 Resp: 110063

Ion Ratio Lower Upper

92 100

91 170.3 141.0 211.4



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052763.D

Acq: 10 Dec 2018 19:37

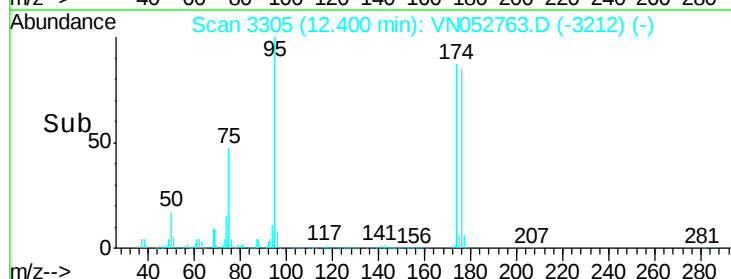
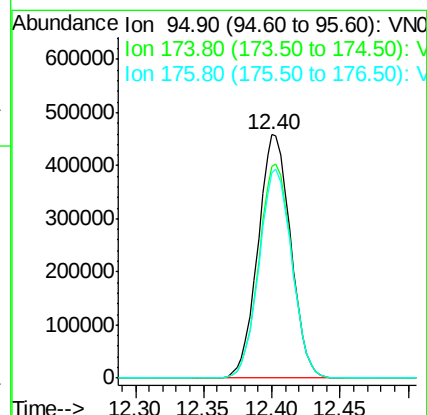
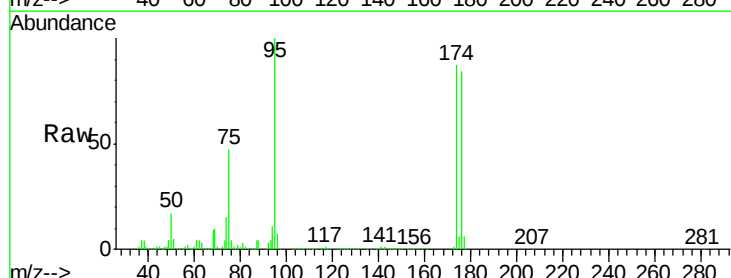
Tgt Ion: 95 Resp: 761855

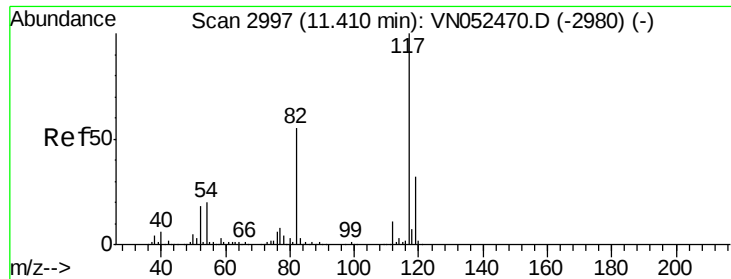
Ion Ratio Lower Upper

95 100

174 88.7 0.0 173.0

176 86.3 0.0 166.2

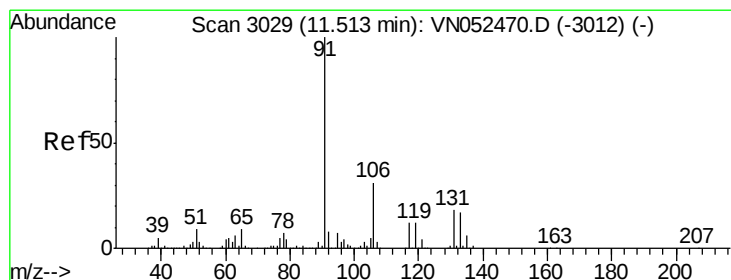
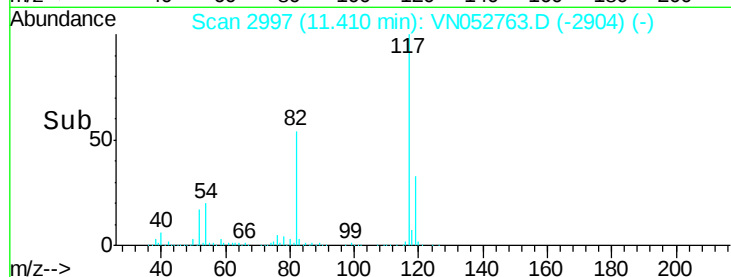
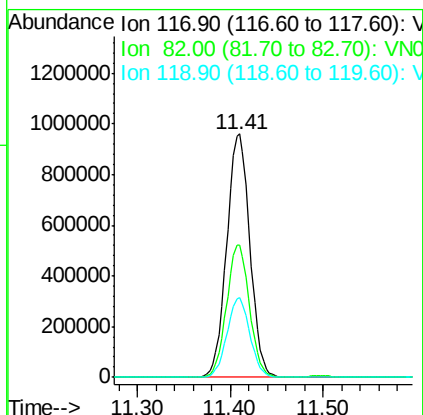
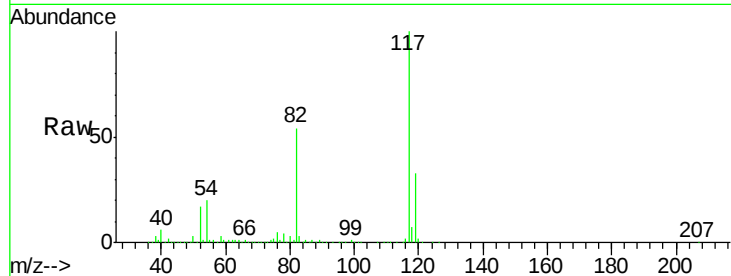




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052763.D
Acq: 10 Dec 2018 19:37

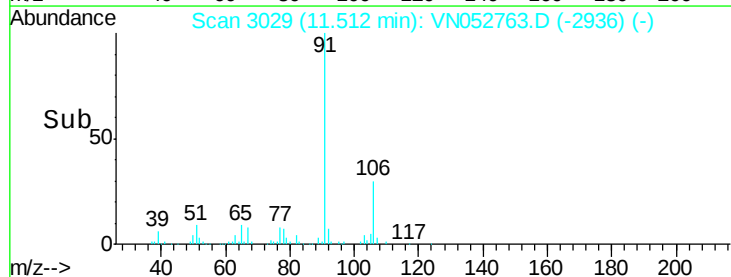
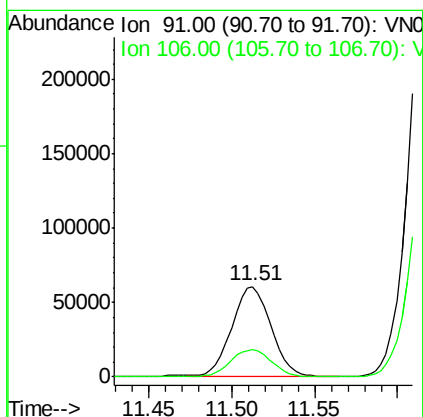
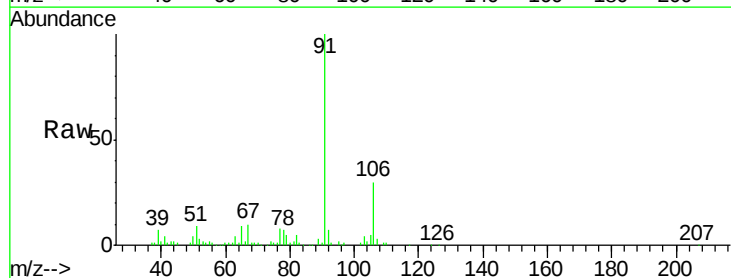
Instrument :
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OILY-SOIL

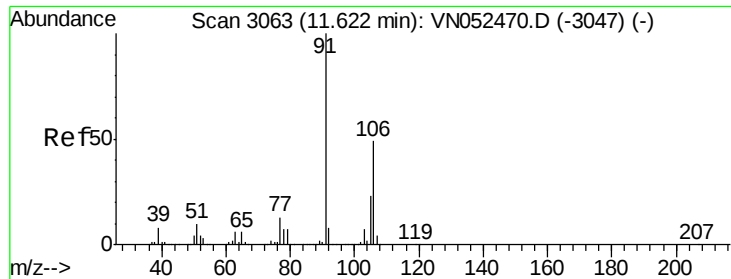
Tot Ion:117 Resp: 1658484
Ion Ratio Lower Upper
117 100
82 54.1 43.6 65.4
119 32.5 25.4 38.2



#67
Ethyl Benzene
Concen: 1.668 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052763.D
Acq: 10 Dec 2018 19:37

Tgt Ion: 91 Resp: 99870
Ion Ratio Lower Upper
91 100
106 30.1 24.9 37.3

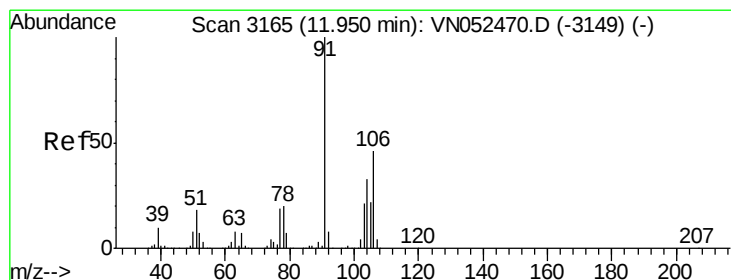
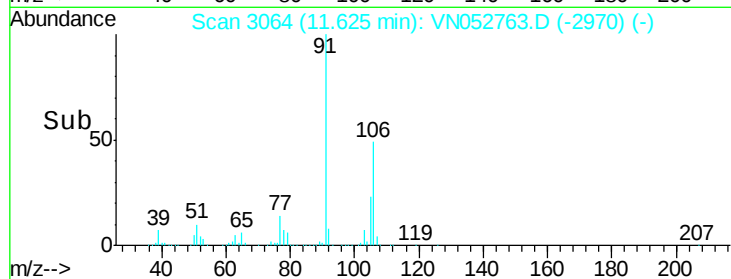
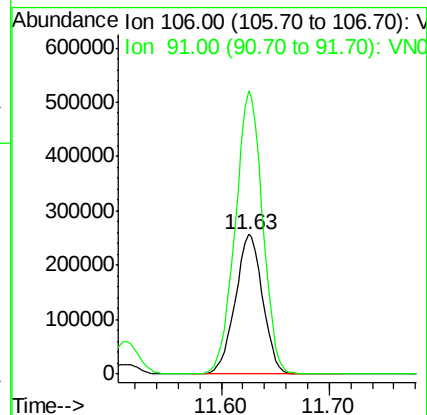
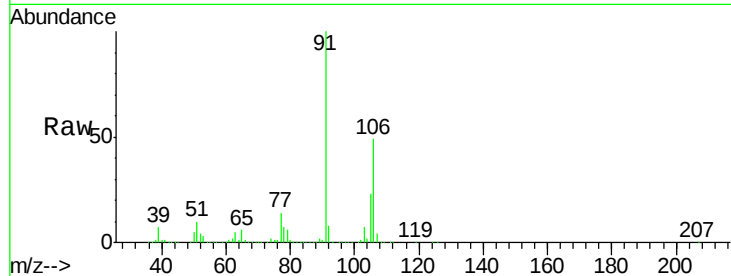




#68
m/p-Xylenes
Concen: 20.416 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN052763.D
Acq: 10 Dec 2018 19:37

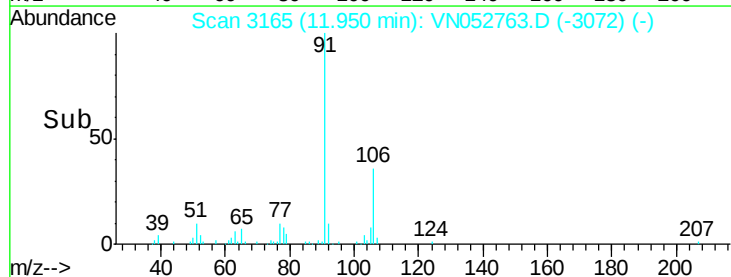
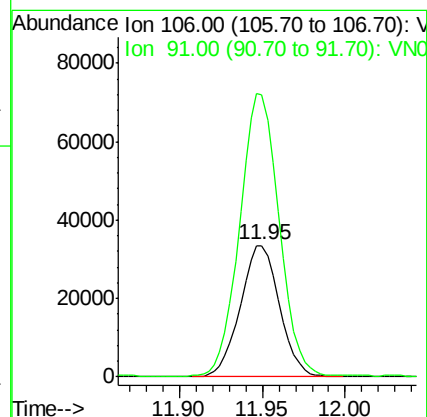
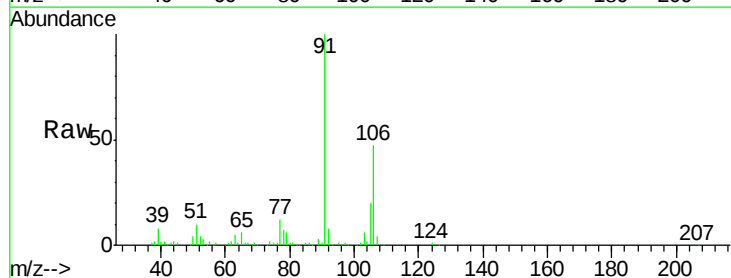
Instrument :
MSVOA_N
ClientSampled :
OILY-SOIL

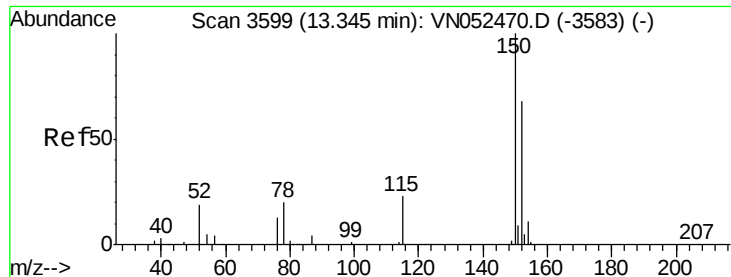
Tot Ion:106 Resp: 455153
Ion Ratio Lower Upper
106 100
91 202.2 163.2 244.8



#69
o-Xylene
Concen: 2.539 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052763.D
Acq: 10 Dec 2018 19:37

Tgt Ion:106 Resp: 54979
Ion Ratio Lower Upper
106 100
91 218.1 107.7 323.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052763.D

Acq: 10 Dec 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOIL

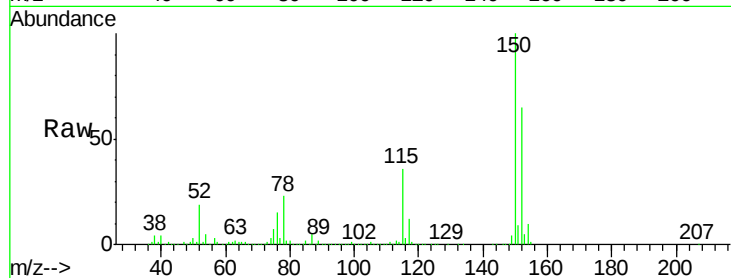
Tot Ion:152 Resp: 734314

Ion Ratio Lower Upper

152 100

115 58.8 28.4 85.2

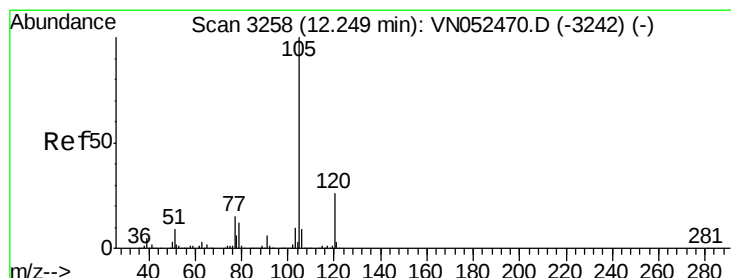
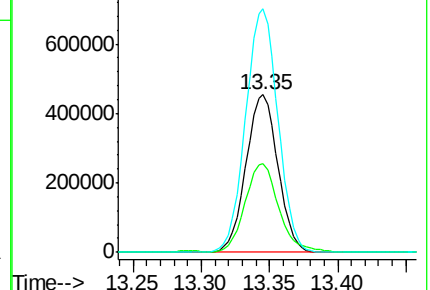
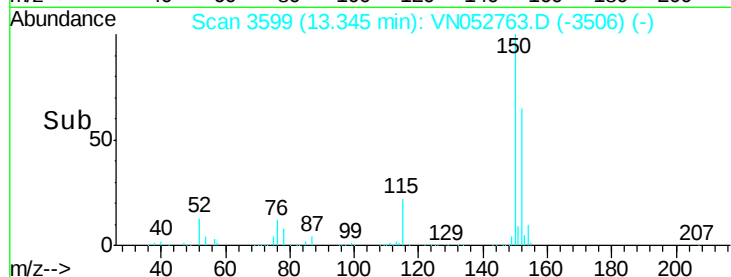
150 156.7 0.0 346.0



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



#73

Isopropylbenzene

Concen: 1.177 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052763.D

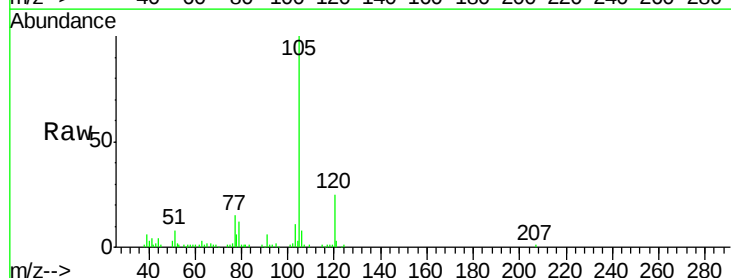
Acq: 10 Dec 2018 19:37

Tgt Ion:105 Resp: 67809

Ion Ratio Lower Upper

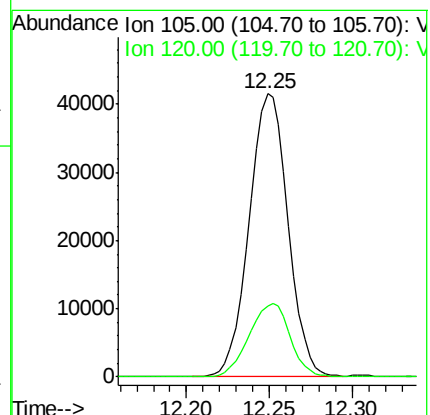
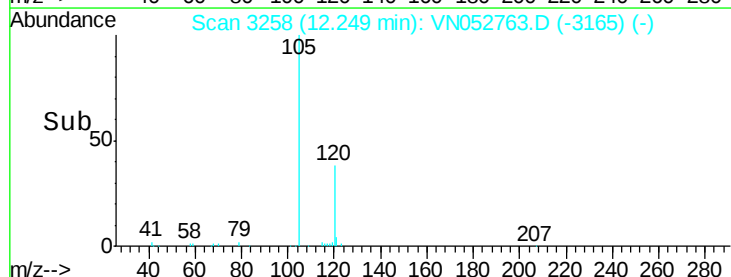
105 100

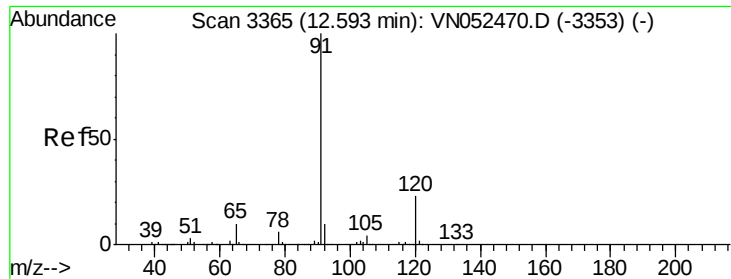
120 27.3 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.017 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052763.D

Acq: 10 Dec 2018 19:37

Instrument :

MSVOA_N

ClientSampled :

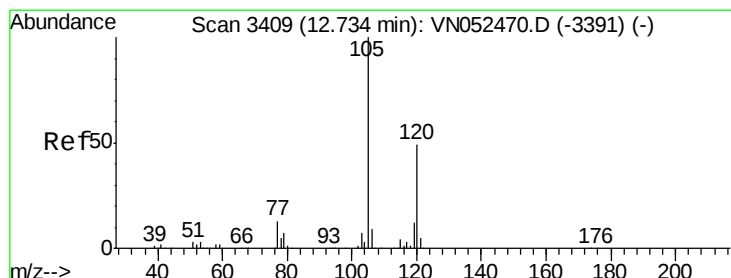
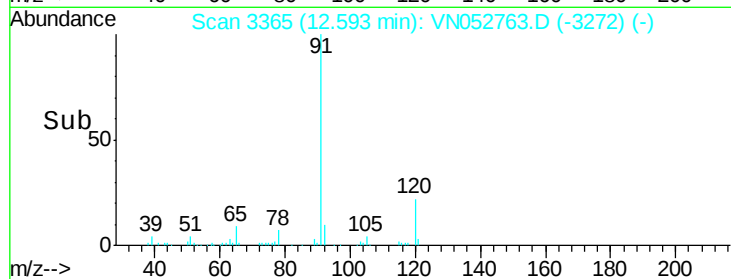
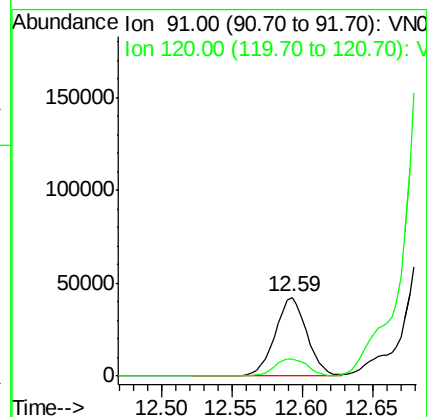
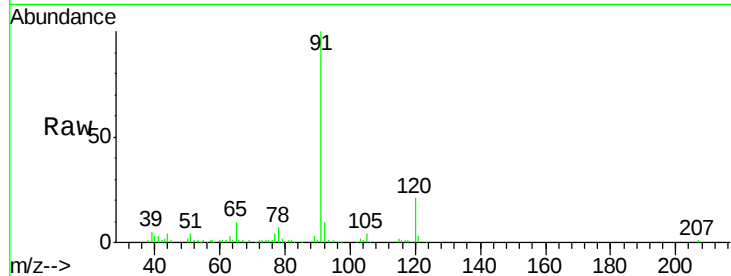
OILY-SOIL

Tot Ion: 91 Resp: 66538

Ion Ratio Lower Upper

91 100

120 23.1 11.3 33.9



#80

1,3,5-Trimethylbenzene

Concen: 2.857 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052763.D

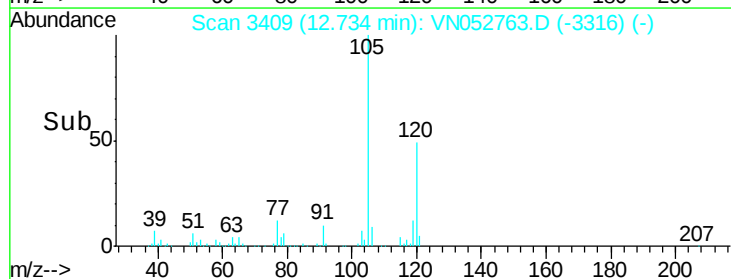
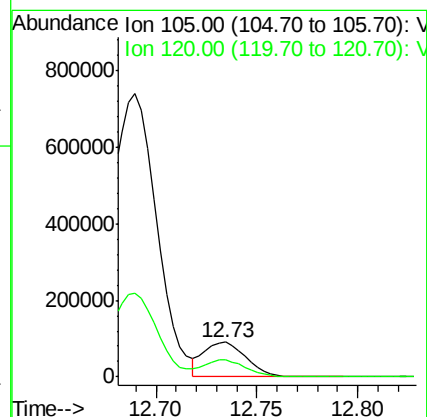
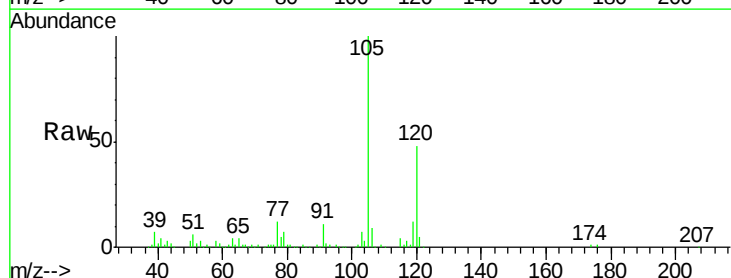
Acq: 10 Dec 2018 19:37

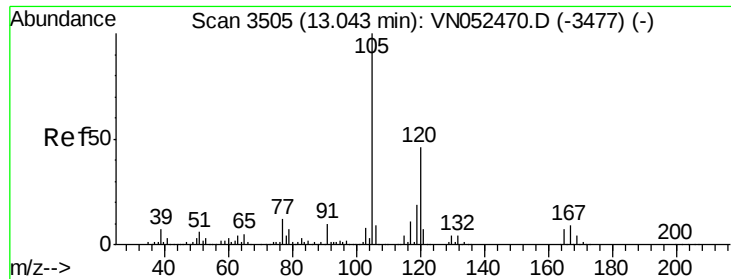
Tgt Ion: 105 Resp: 131277

Ion Ratio Lower Upper

105 100

120 48.5 24.3 73.0

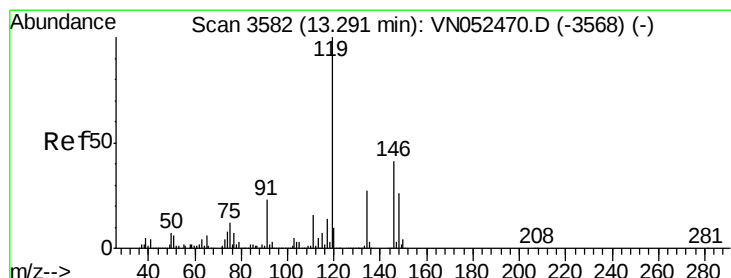
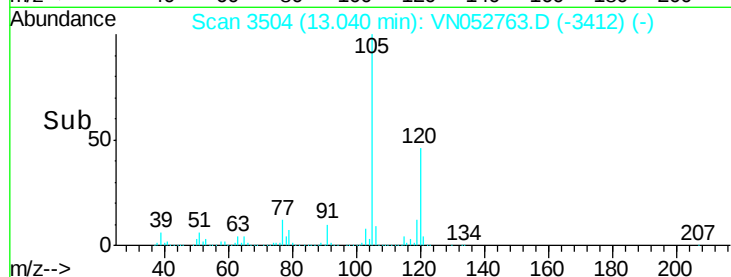
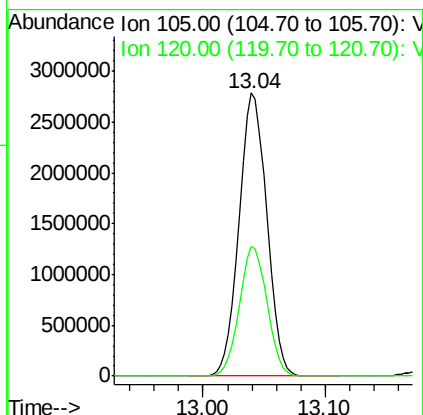
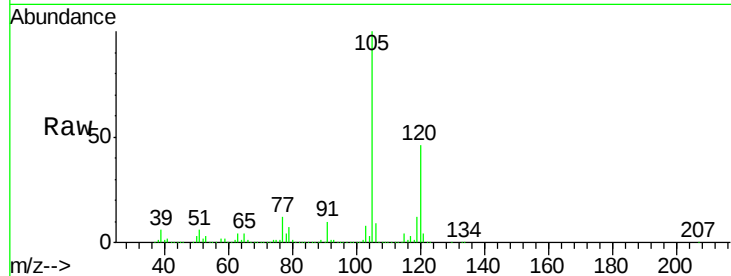




#84
 1,2,4-Trimethylbenzene
 Concen: 94.677 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052763.D
 Acq: 10 Dec 2018 19:37

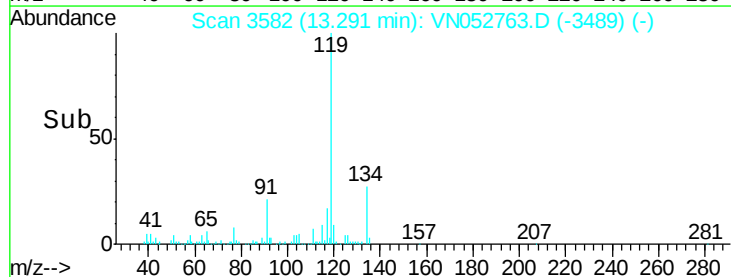
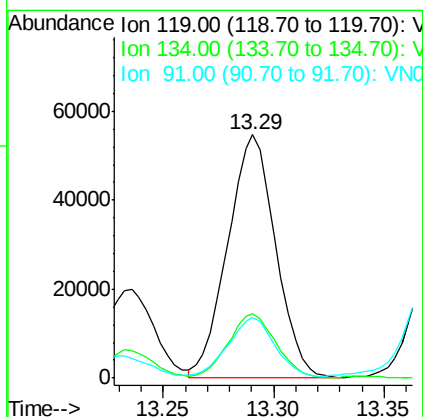
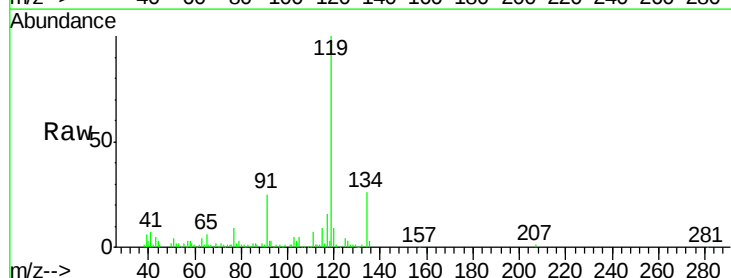
Instrument :
 MSVOA_N
 ClientSampled :
 OILY-SOIL

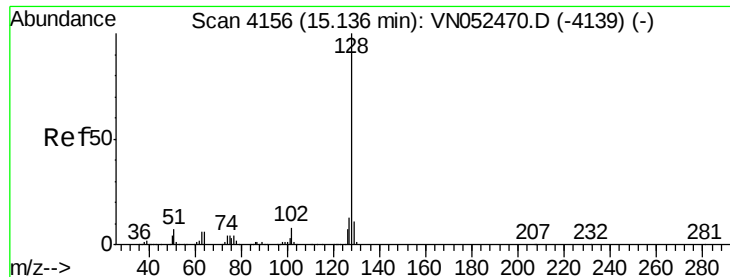
Tot Ion:105 Resp: 4359602
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.8 68.4



#86
 p-Isopropyltoluene
 Concen: 1.717 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN052763.D
 Acq: 10 Dec 2018 19:37

Tgt Ion:119 Resp: 81598
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.2
 91 23.3 11.4 34.2





#95

Naphthalene

Concen: 24.316 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052763.D

Acq: 10 Dec 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOIL

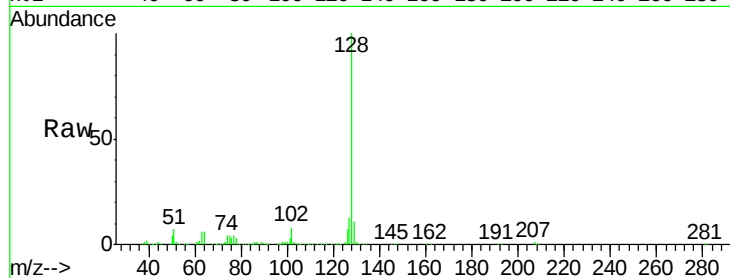
Tot Ion:128 Resp: 619992

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

500000 Ion 127.00 (126.70 to 127.70): V

400000 Ion 129.00 (128.70 to 129.70): V

300000 15.13

200000

100000

0

Time--> 15.05 15.10 15.15 15.20

