

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 01:25:30 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

33) 1,2-Dichloroethane-d4	8.03	65	627685	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
35) Dibromofluoromethane	7.59	113	519624	45.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.44%	
50) Toluene-d8	10.09	98	2274446	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.40	95	761855	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	

Target Compounds

						Qvalue
16) Acetone	3.82	43	7546	2.163	ug/l	95
18) Methyl Acetate	4.34	43	3219	0.322	ug/l #	76
20) Methylene Chloride	4.55	84	6265	0.459	ug/l	95
25) 2-Butanone	6.84	43	2431	0.492	ug/l #	90
31) Cyclohexane	7.66	56	152006	6.359	ug/l #	81
36) 1,1-Dichloropropene	7.66	75	82257	4.674	ug/l #	51
38) Carbon Tetrachloride	7.67	117	106801	6.703	ug/l #	15
39) Methylcyclohexane	9.08	83	159108	7.438	ug/l	97
40) Benzene	8.04	78	31532	0.601	ug/l	97
43) Isopropyl Acetate	8.18	43	27482	1.512	ug/l #	52
47) Bromodichloromethane	9.38	83	4082	0.243	ug/l #	25
48) Methyl methacrylate	9.27	41	27743	2.927	ug/l #	71
52) Toluene	10.16	92	110063	3.532	ug/l	96
54) cis-1,3-Dichloropropene	9.90	75	9021	0.466	ug/l #	67
55) 1,1,2-Trichloroethane	10.53	97	11692	1.067	ug/l #	18
56) Ethyl methacrylate	10.43	69	5799	3.054	ug/l #	71
59) 2-Hexanone	10.76	43	25620	3.743	ug/l #	54
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
71) Bromoform	12.40	173	4888	0.621	ug/l #	1
73) Isopropylbenzene	12.25	105	67809	1.177	ug/l	98
76) 1,2,3-Trichloropropane	12.40	75	360881	31.870	ug/l #	100
78) n-propylbenzene	12.59	91	66538	1.017	ug/l	99
79) 2-Chlorotoluene	12.69	91	143645	3.686	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.73	105	131277	2.857	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	360881	106.431	ug/l #	11
82) 4-Chlorotoluene	12.73	91	13008	0.331	ug/l #	41
83) tert-Butylbenzene	13.04	119	530051	12.940	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.04	105	4359602	94.677	ug/l	100
85) sec-Butylbenzene	13.04	105	4359602	78.140	ug/l #	57
86) p-Isopropyltoluene	13.29	119	81598	1.717	ug/l	99
89) n-Butylbenzene	13.59	91	18881	0.478	ug/l #	1
90) Hexachloroethane	13.89	117	85693	10.650	ug/l #	6

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Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

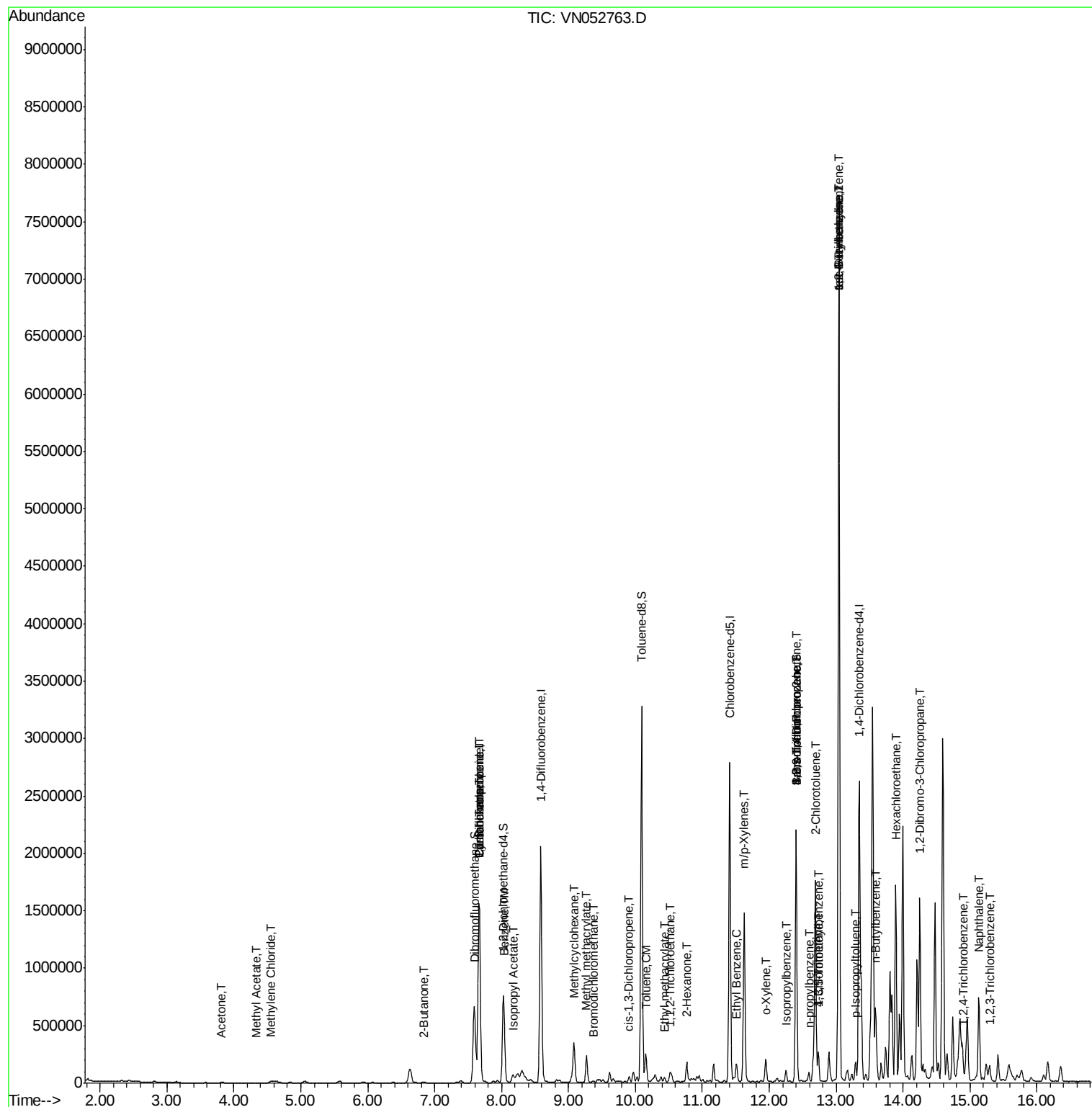
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.25	75	5983	3.192	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	123	2.838	ug/l #	1
95) Naphthalene	15.13	128	619992	24.316	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	109	2.736	ug/l #	1

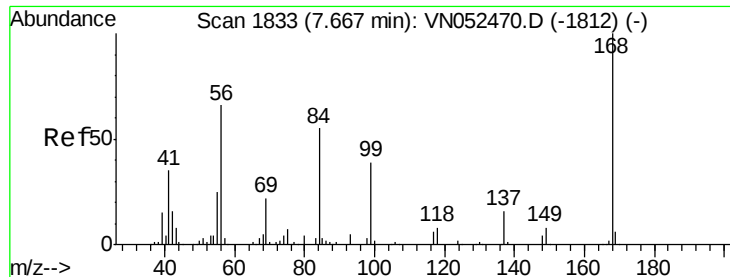
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121018\
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#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 :

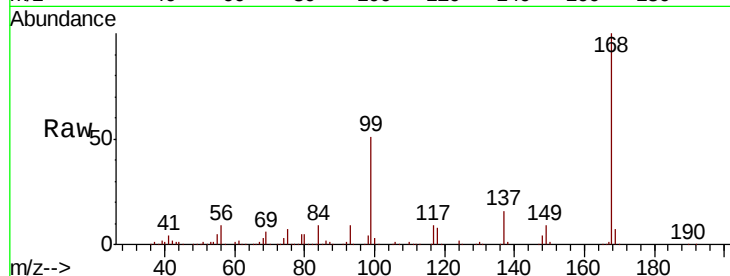
OILY-SOIL

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): VN052470.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052470.D (-1812) (-)

7.67

600000

500000

400000

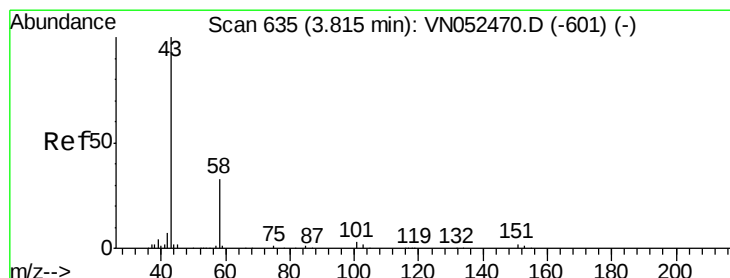
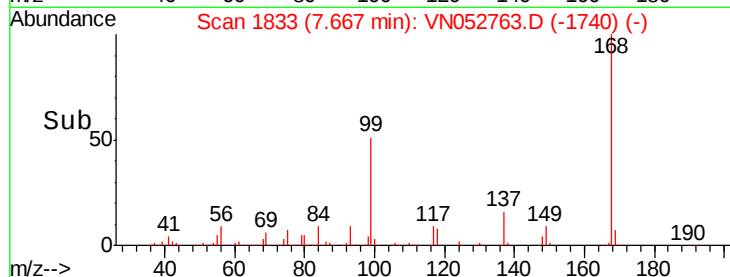
300000

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

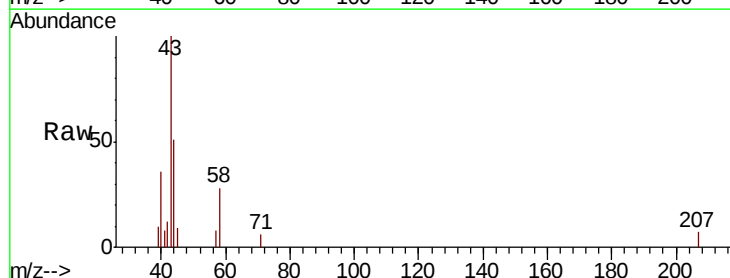
Acq: 10 Dec 2018 19:37

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): VN052470.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-601) (-)

3.82

3000

2500

2000

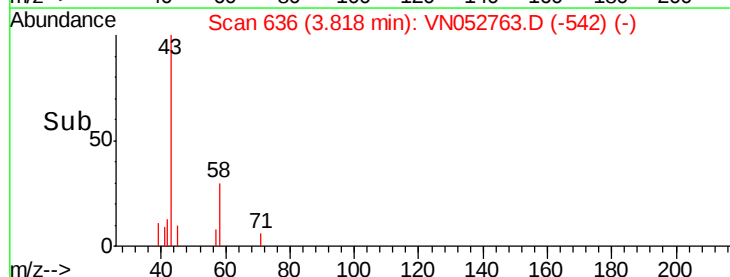
1500

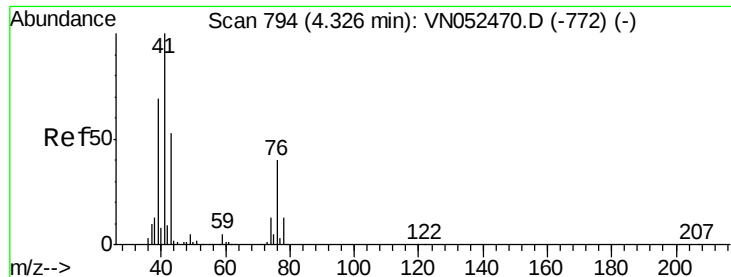
1000

500

0

Time-->

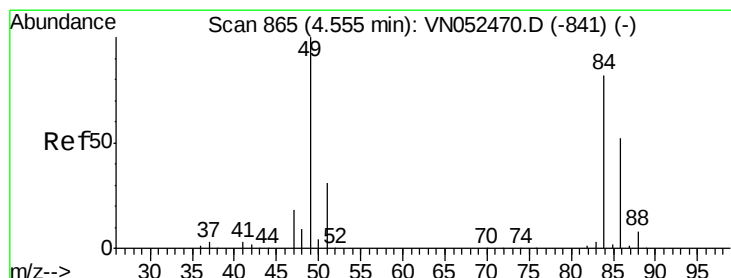
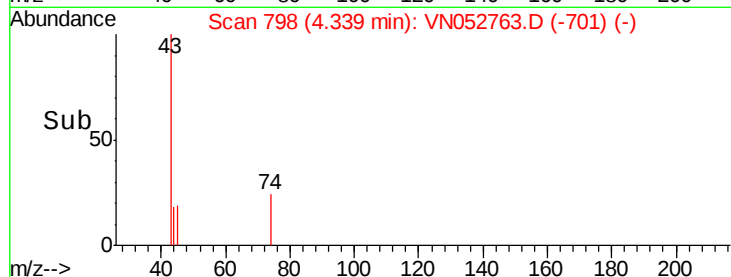
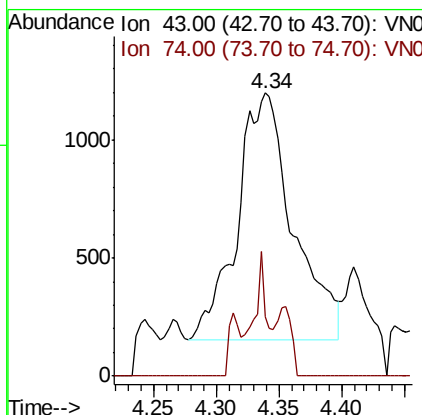
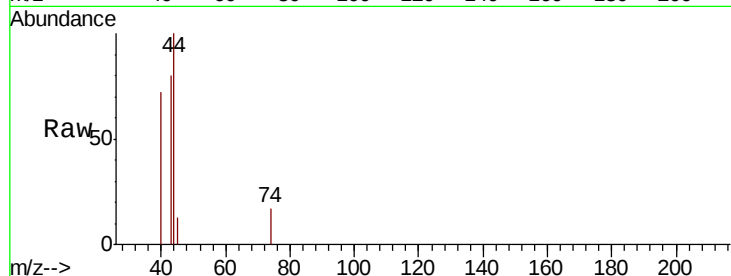




#18
Methvl Acetate
Concen: 0.322 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN052763.D
Acq: 10 Dec 2018 19:37

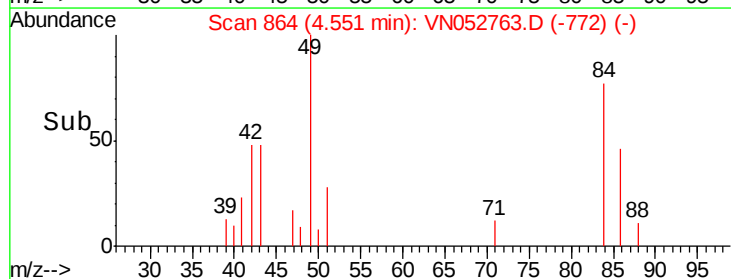
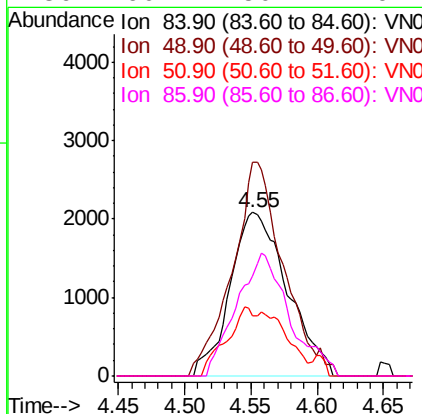
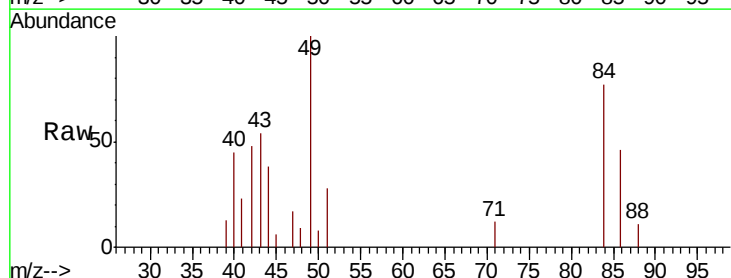
Instrument :
MSVOA_N
ClientSampled :
OILY-SOIL

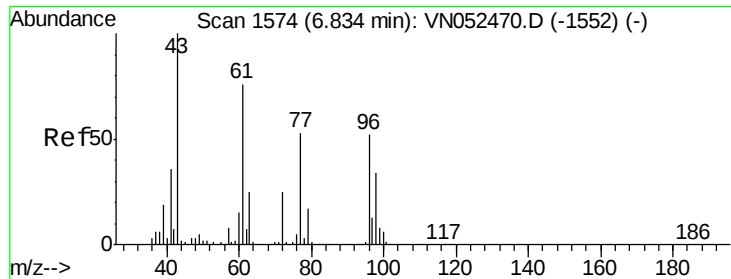
Tot Ion: 43 Resp: 3219
Ion Ratio Lower Upper
43 100
74 11.4 18.6 27.8#



#20
Methylene Chloride
Concen: 0.459 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052763.D
Acq: 10 Dec 2018 19:37

Tgt Ion: 84 Resp: 6265
Ion Ratio Lower Upper
84 100
49 130.6 98.0 147.0
51 36.8 30.1 45.1
86 60.7 50.7 76.1

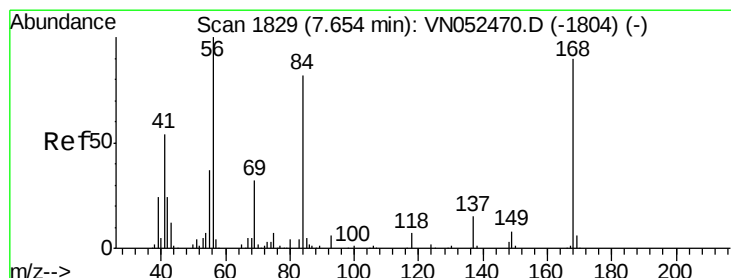
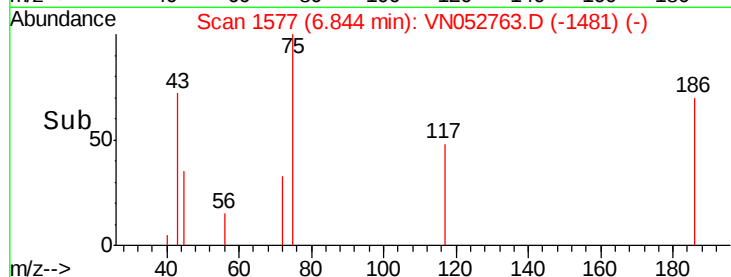
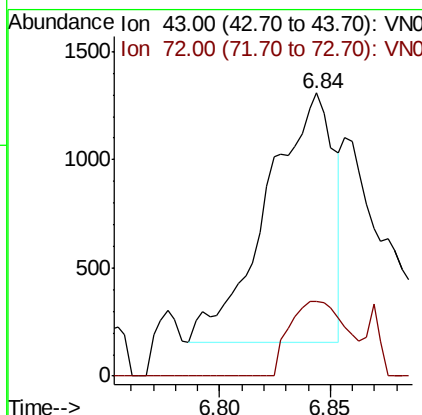
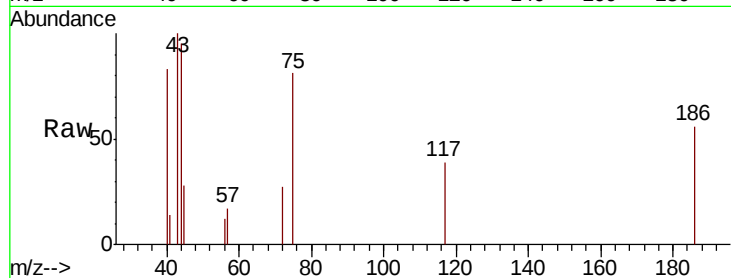




#25
2-Butanone
Concen: 0.492 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN052763.D
Acq: 10 Dec 2018 19:37

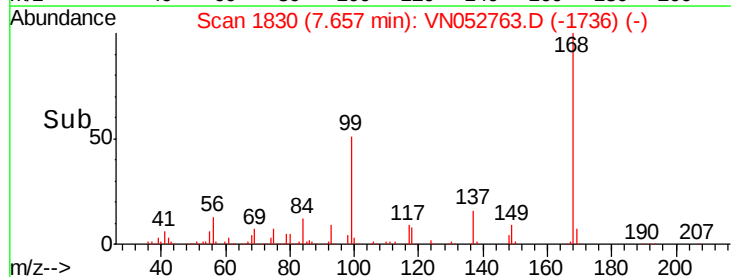
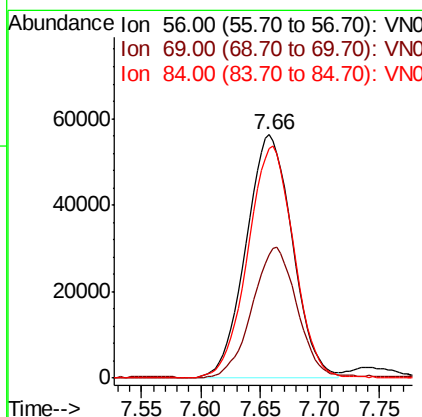
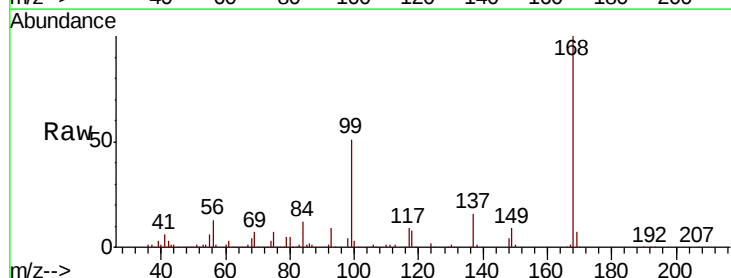
Instrument :
MSVOA_N
ClientSampled :
OILY-SOIL

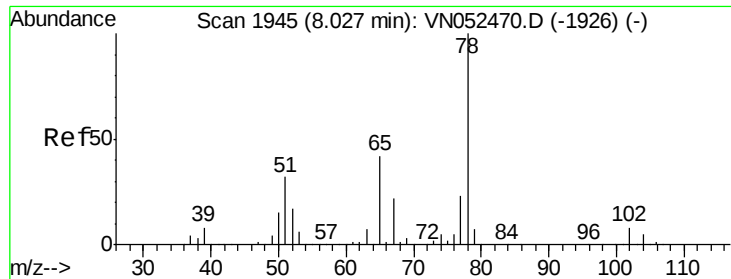
Tot Ion: 43 Resp: 2431
Ion Ratio Lower Upper
43 100
72 30.2 20.1 30.1#



#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

Tgt Ion: 56 Resp: 152006
Ion Ratio Lower Upper
56 100
69 50.6 25.8 38.6#
84 94.3 65.3 97.9

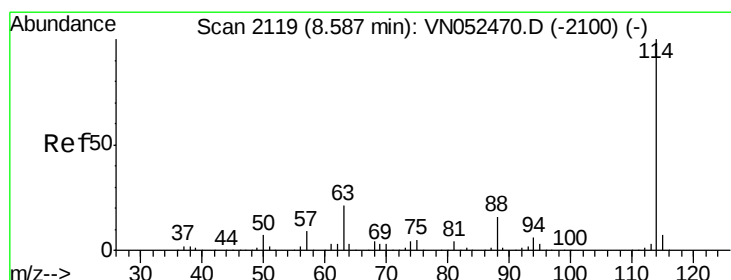
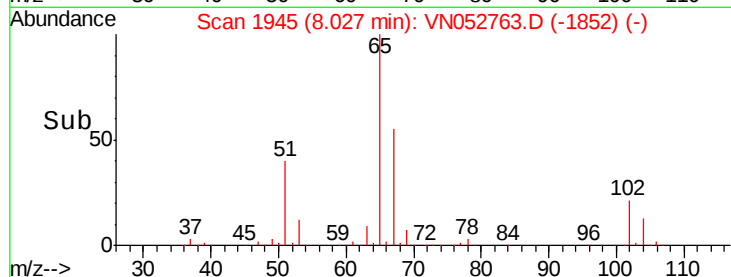
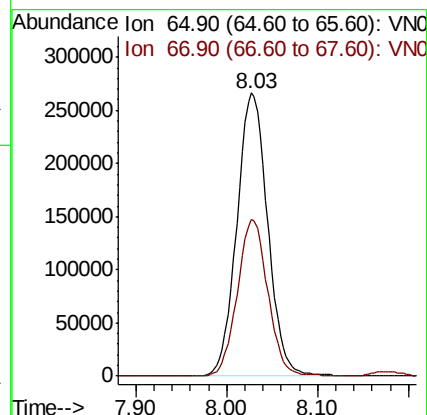
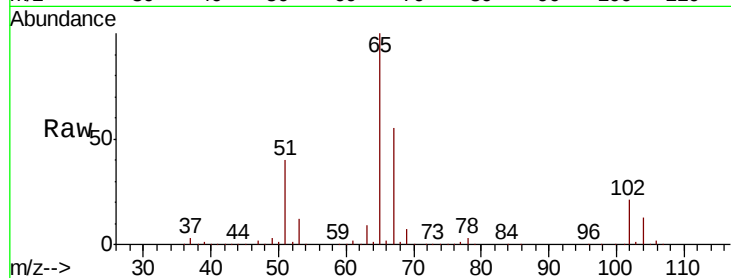




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052763.D
 Acq: 10 Dec 2018 19:37

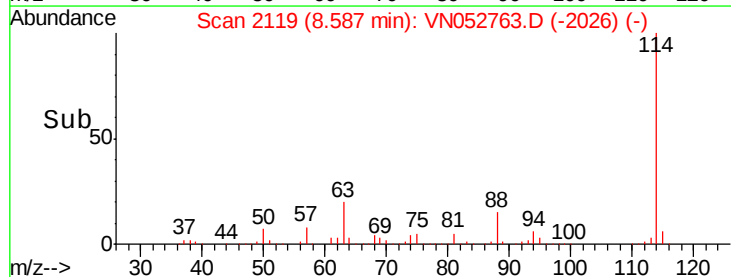
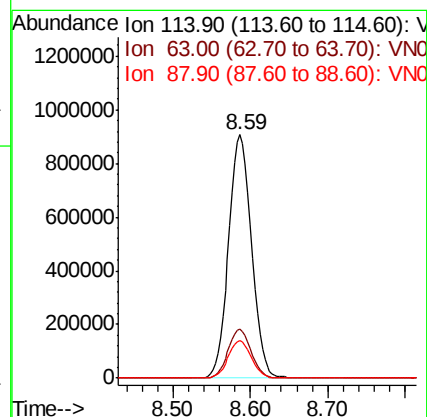
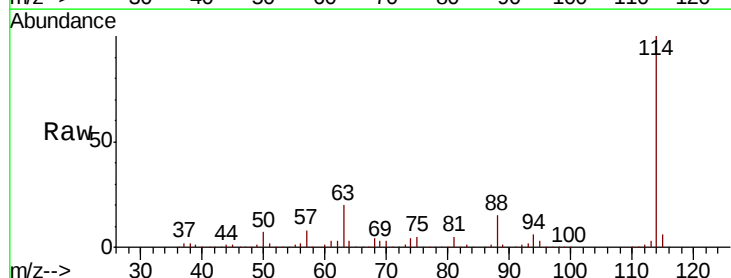
Instrument :
 MSVOA_N
 ClientSampled :
 OILY-SOIL

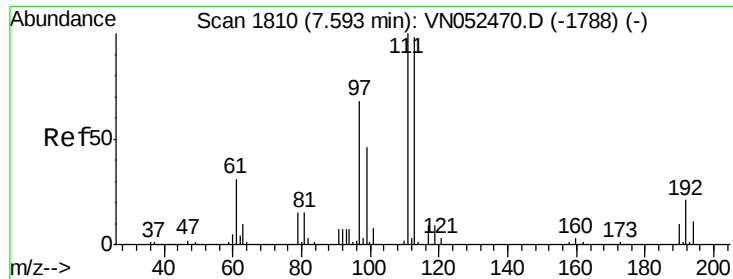
Tot Ion: 65 Resp: 627685
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.8



#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

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

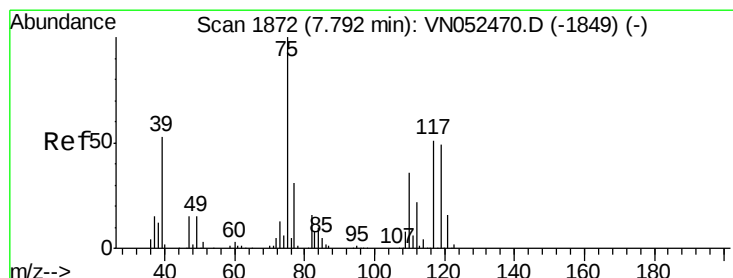
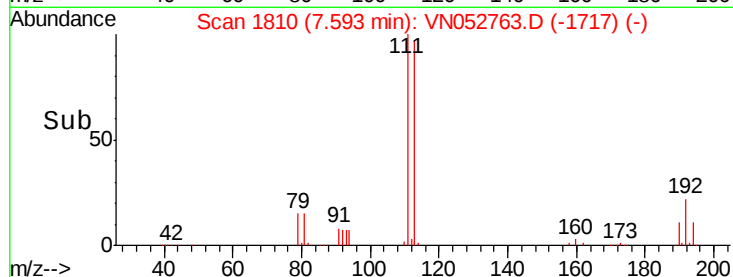
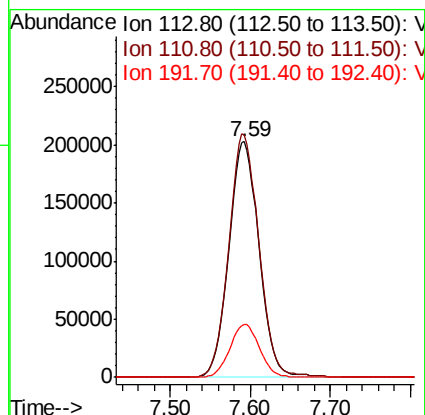
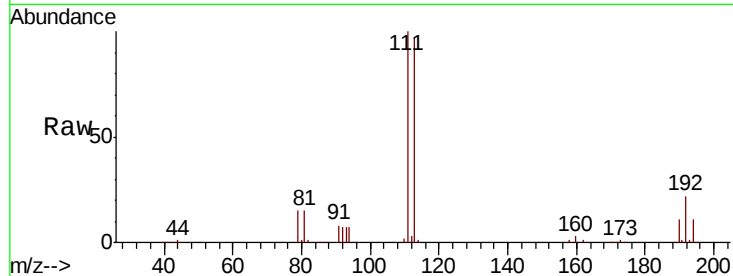




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052763.D
Acq: 10 Dec 2018 19:37

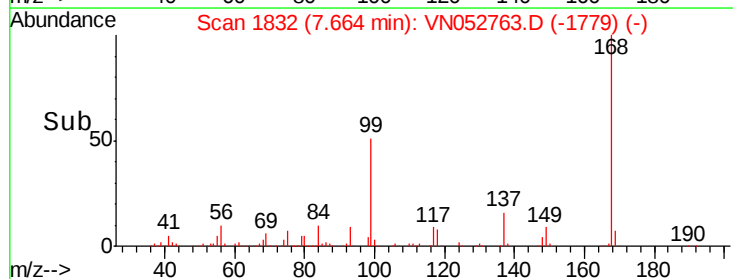
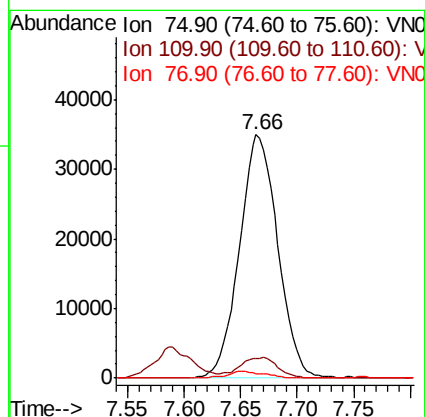
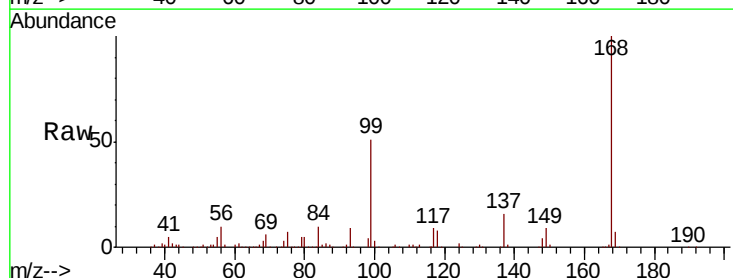
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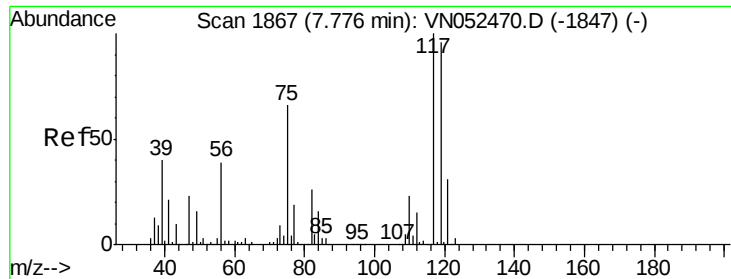
Tot Ion:113 Resp: 519624
Ion Ratio Lower Upper
113 100
111 102.9 82.0 123.0
192 22.1 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.674 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN052763.D
Acq: 10 Dec 2018 19:37

Tgt Ion: 75 Resp: 82257
Ion Ratio Lower Upper
75 100
110 8.3 17.5 52.6#
77 2.6 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.703 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052763.D

Acq: 10 Dec 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOIL

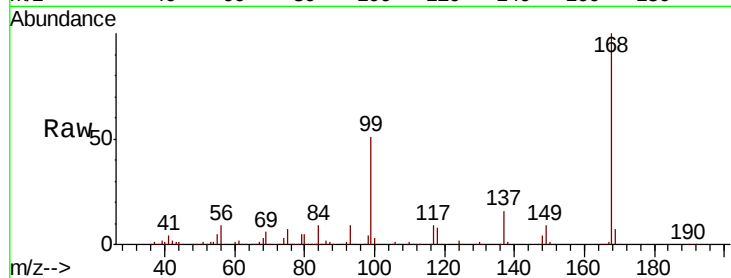
Tot Ion:117 Resp: 106801

Ion Ratio Lower Upper

117 100

119 4.3 76.8 115.2#

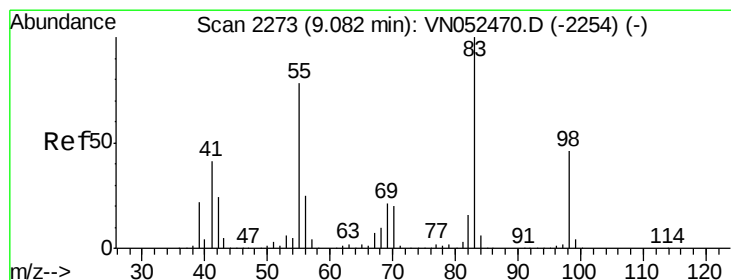
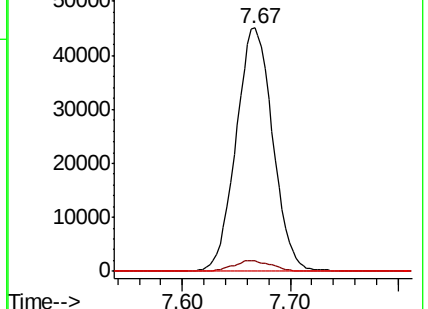
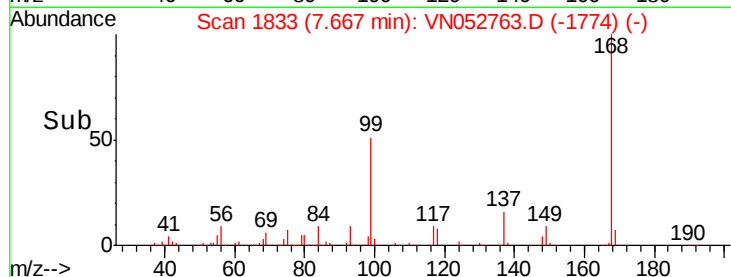
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): 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

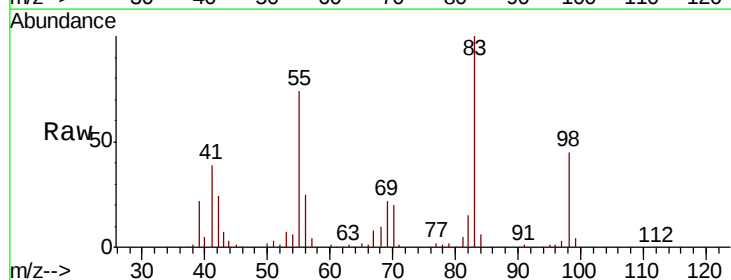
Tgt Ion: 83 Resp: 159108

Ion Ratio Lower Upper

83 100

55 73.6 62.2 93.2

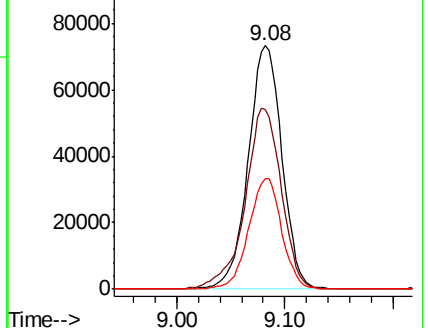
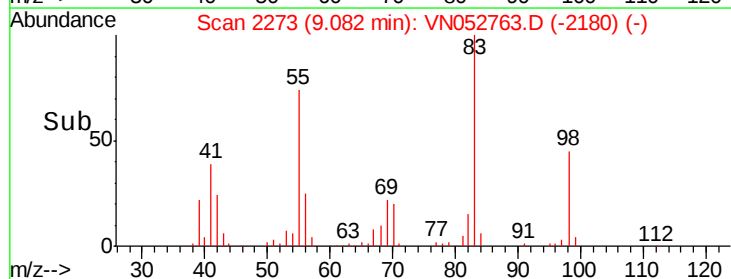
98 45.4 36.4 54.6

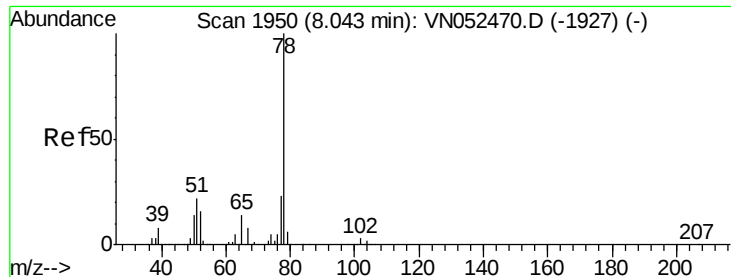


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 0.601 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN052763.D

Acq: 10 Dec 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

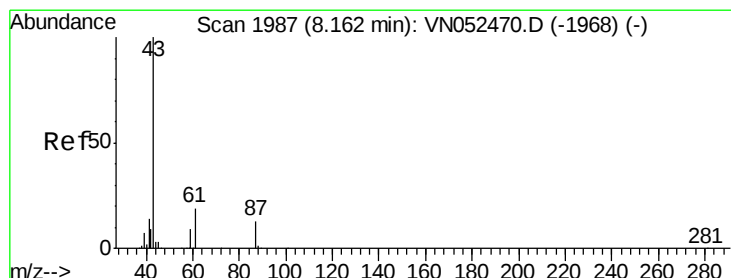
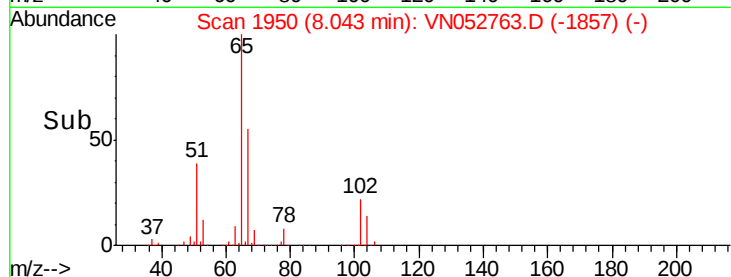
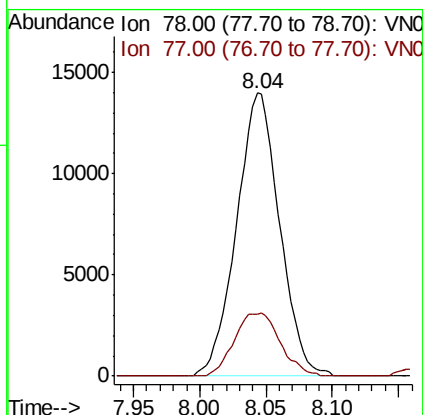
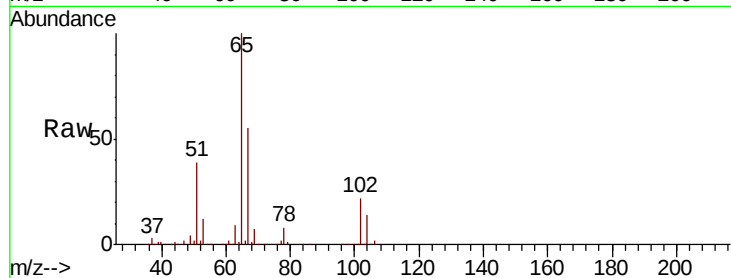
OILY-SOIL

Tot Ion: 78 Resp: 31532

Ion Ratio Lower Upper

78 100

77 21.9 18.8 28.2



#43

Isopropyl Acetate

Concen: 1.512 ug/l

RT: 8.18 min Scan# 1993

Delta R.T. 0.02 min

Lab File: VN052763.D

Acq: 10 Dec 2018 19:37

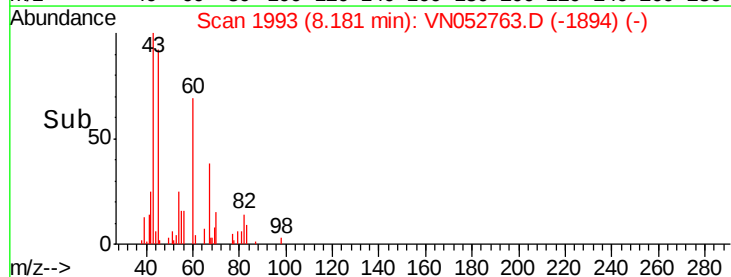
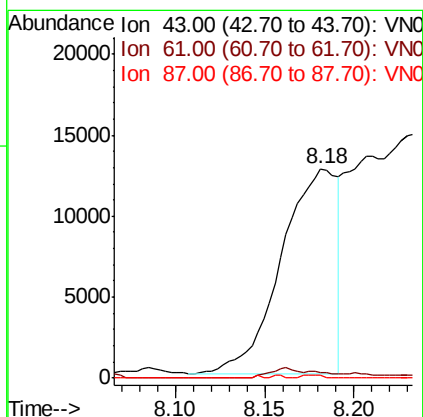
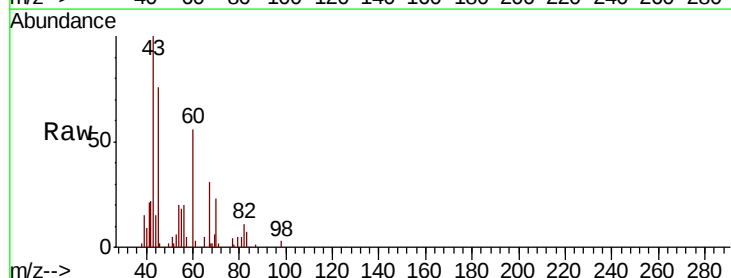
Tgt Ion: 43 Resp: 27482

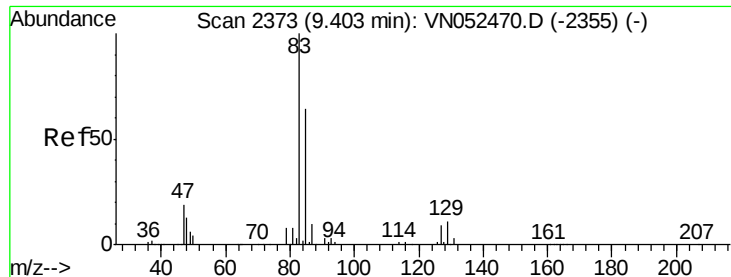
Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

87 0.5 10.6 15.8#

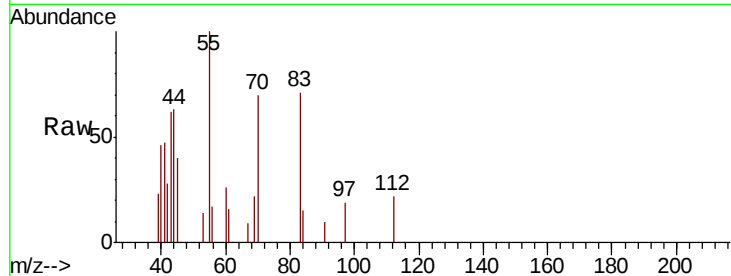




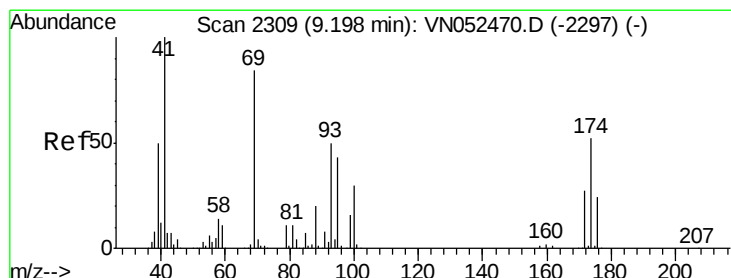
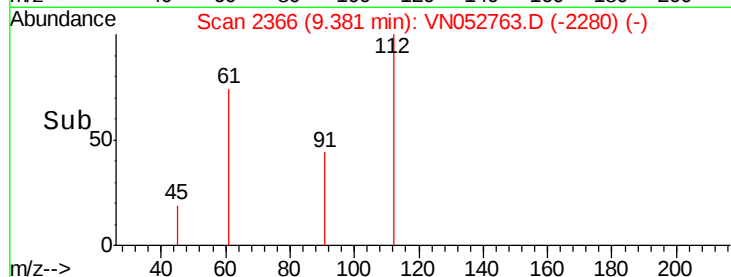
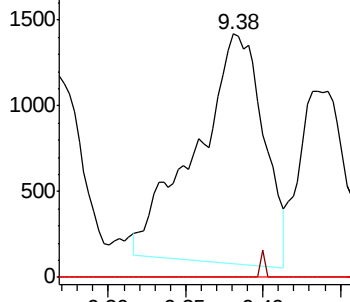
#47
Bromodichloromethane
Concen: 0.243 ug/l
RT: 9.38 min Scan# 2366
Delta R.T. -0.02 min
Lab File: VN052763.D
Acq: 10 Dec 2018 19:37

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOIL

Tot Ion: 83 Resp: 4082
Ion Ratio Lower Upper
83 100
85 0.0 51.3 76.9#
127 0.0 6.9 10.3#

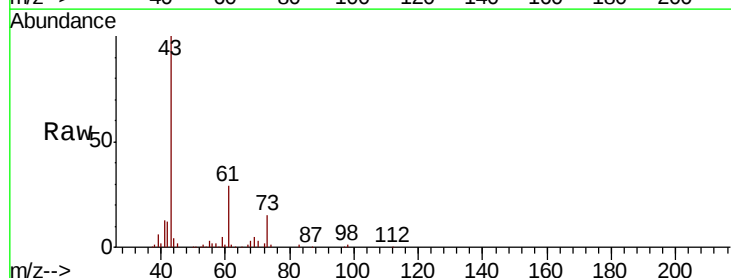


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

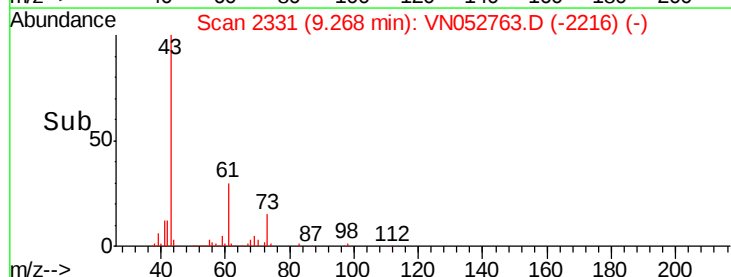
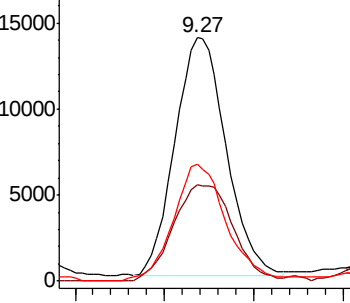


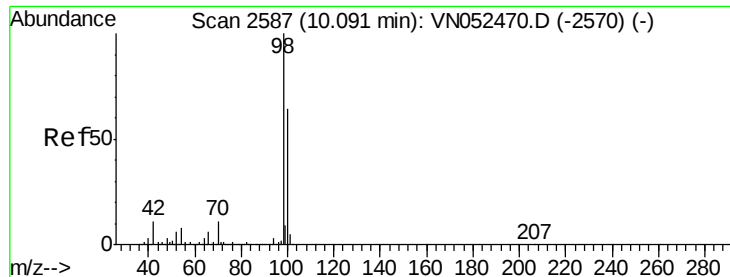
#48
Methyl methacrylate
Concen: 2.927 ug/l
RT: 9.27 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN052763.D
Acq: 10 Dec 2018 19:37

Tgt Ion: 41 Resp: 27743
Ion Ratio Lower Upper
41 100
69 46.9 70.0 105.0#
39 50.3 42.6 64.0



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#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

Instrument :

MSVOA_N

ClientSampleId :

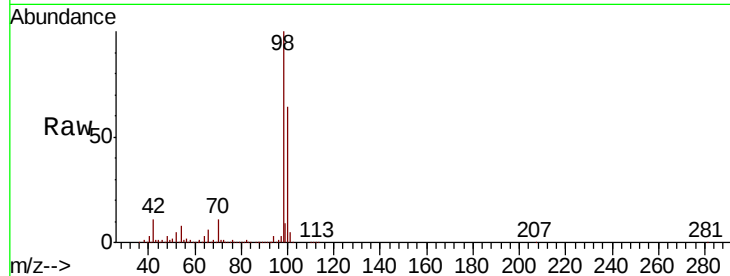
OILY-SOIL

Tot Ion: 98 Resp: 2274446

Ion Ratio Lower Upper

98 100

100 64.0 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN052763.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052763.D (-2570) (-)

10.09

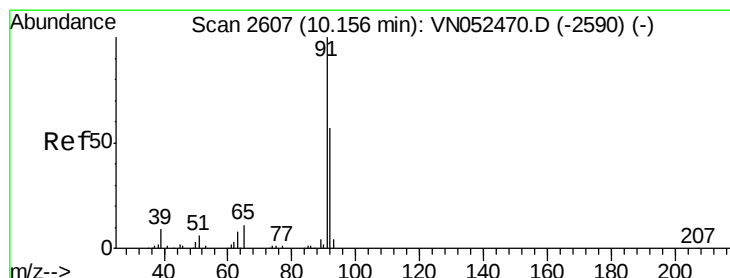
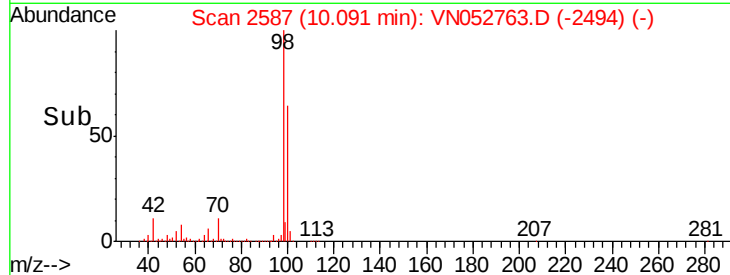
1500000

1000000

500000

0

Time-->



#52

Toluene

Concen: 3.532 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052763.D

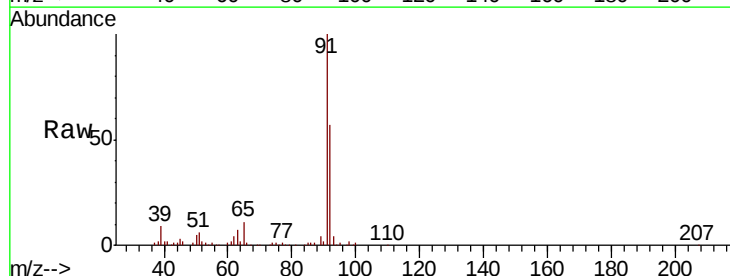
Acq: 10 Dec 2018 19:37

Tgt Ion: 92 Resp: 110063

Ion Ratio Lower Upper

92 100

91 170.3 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VN052763.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN052763.D (-2514) (-)

10.16

120000

100000

80000

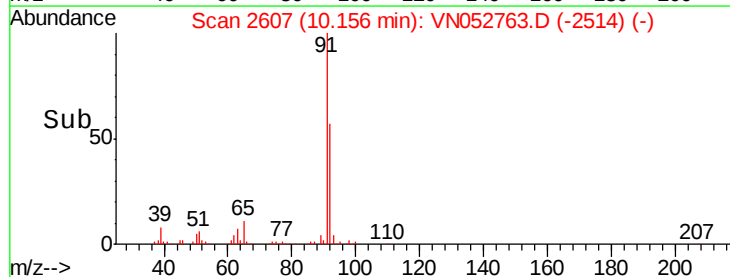
60000

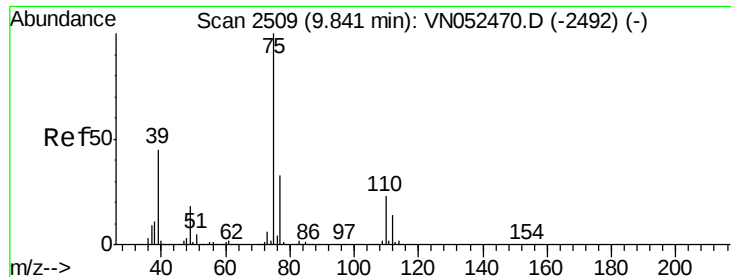
40000

20000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 0.466 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.06 min

Lab File: VN052763.D

Acq: 10 Dec 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOIL

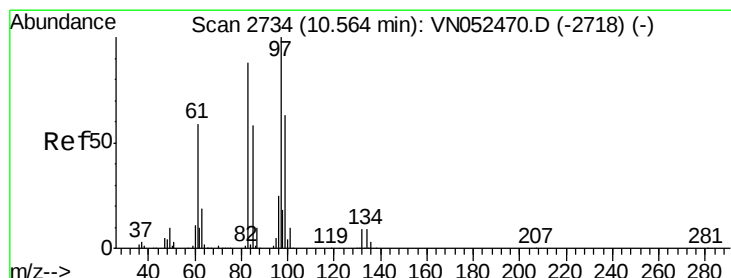
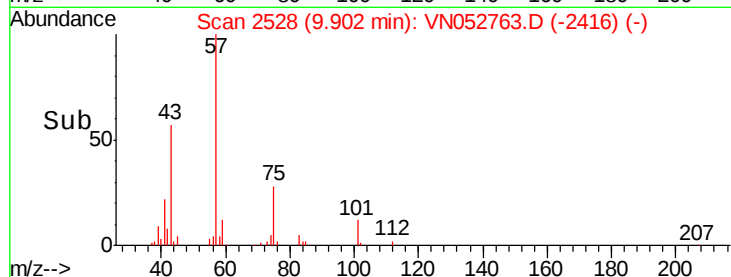
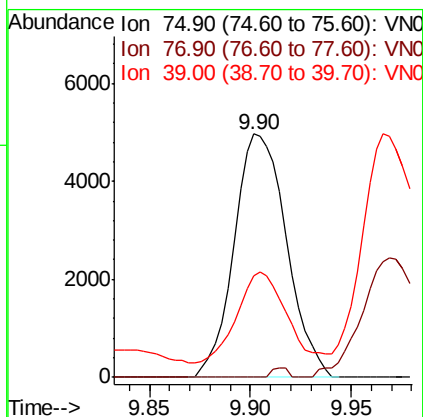
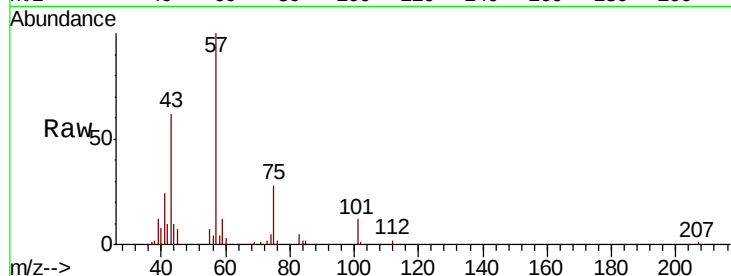
Tot Ion: 75 Resp: 9021

Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#

39 35.7 36.0 54.0#



#55

1,1,2-Trichloroethane

Concen: 1.067 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN052763.D

Acq: 10 Dec 2018 19:37

Tgt Ion: 97 Resp: 11692

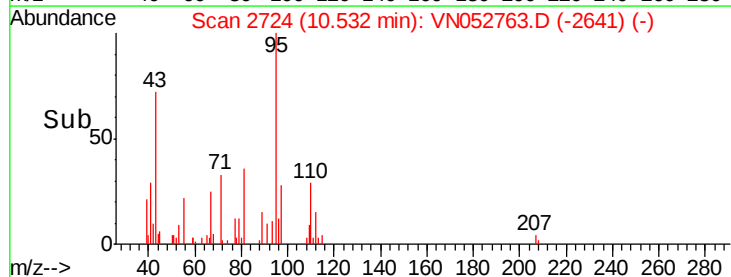
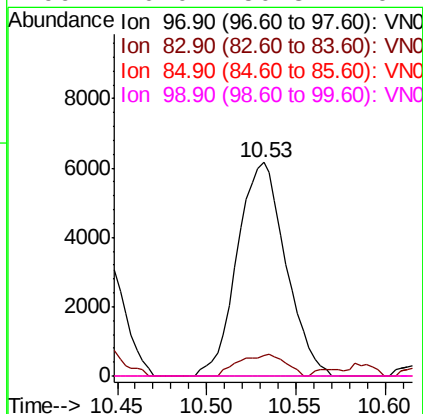
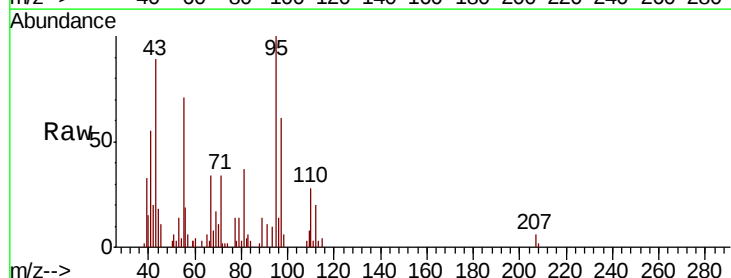
Ion Ratio Lower Upper

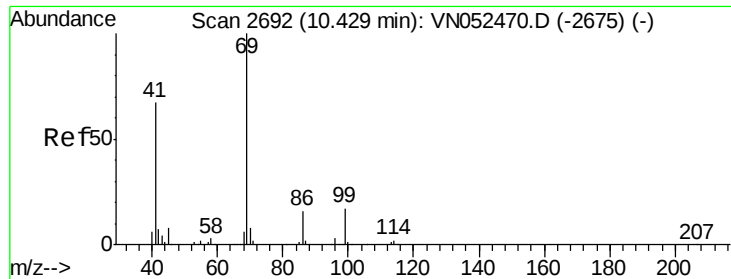
97 100

83 9.7 70.7 106.1#

85 0.0 46.1 69.1#

99 0.0 50.8 76.2#





#56

Ethyl methacrylate

Concen: 3.054 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN052763.D

Acq: 10 Dec 2018 19:37

Instrument :

MSVOA_N

ClientSampled :

OILY-SOIL

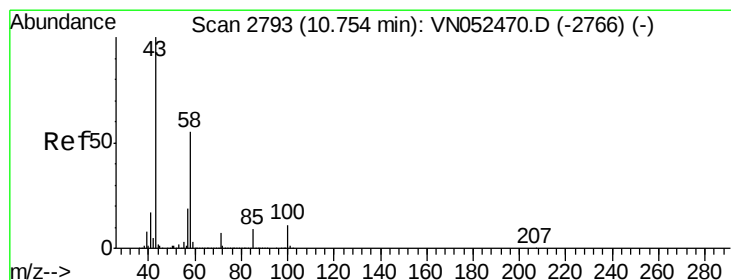
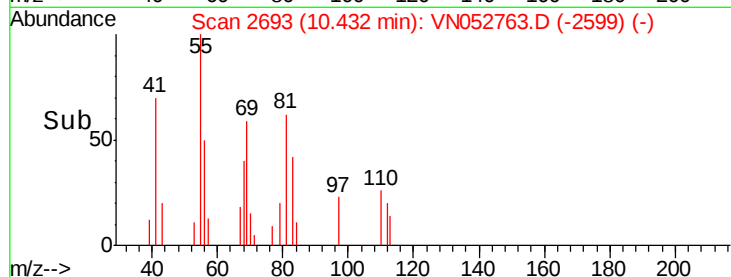
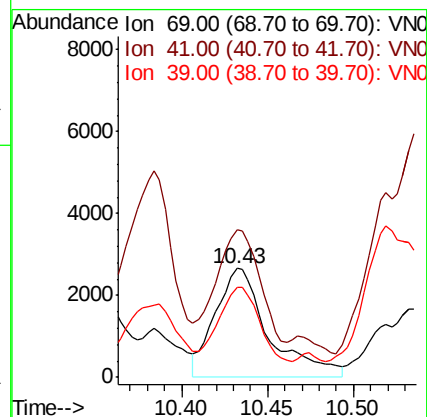
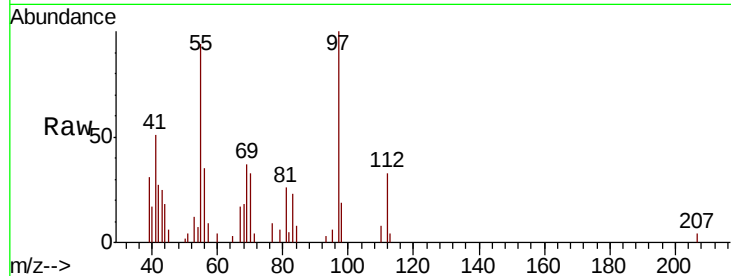
Tot Ion: 69 Resp: 5799

Ion Ratio Lower Upper

69 100

41 88.8 52.6 79.0#

39 49.4 25.9 38.9#



#59

2-Hexanone

Concen: 3.743 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN052763.D

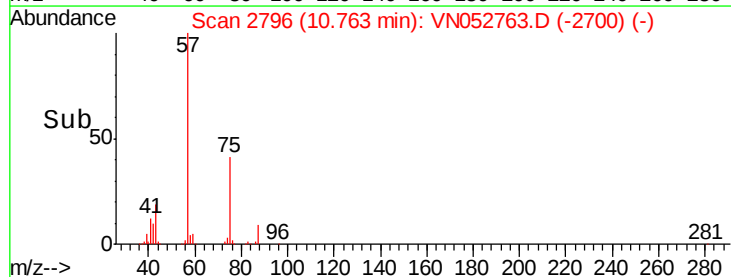
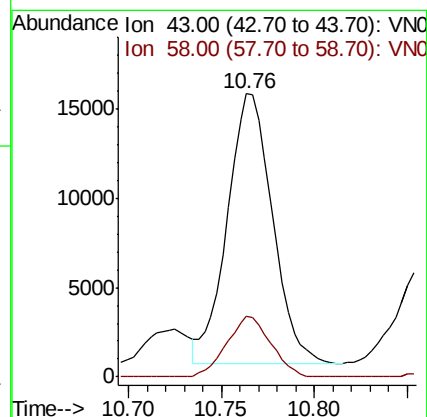
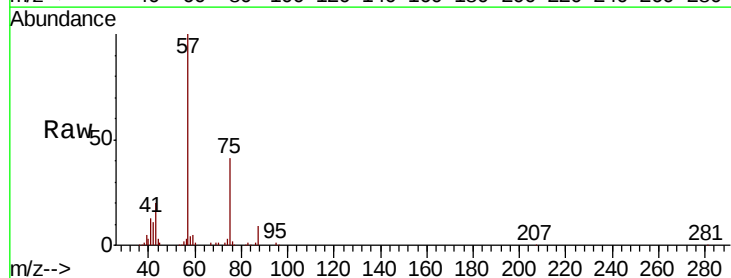
Acq: 10 Dec 2018 19:37

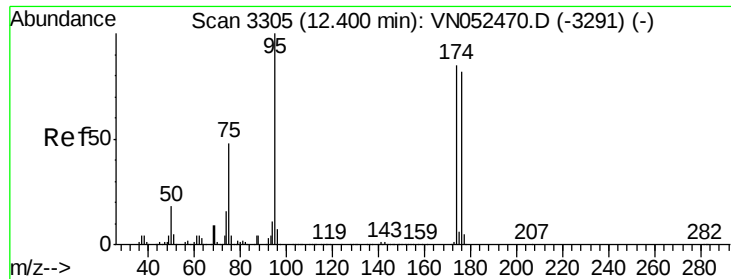
Tgt Ion: 43 Resp: 25620

Ion Ratio Lower Upper

43 100

58 21.7 27.4 82.0#

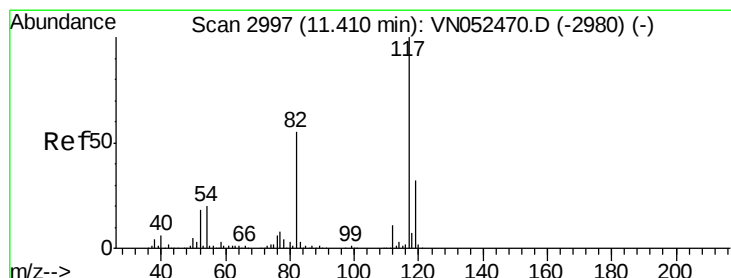
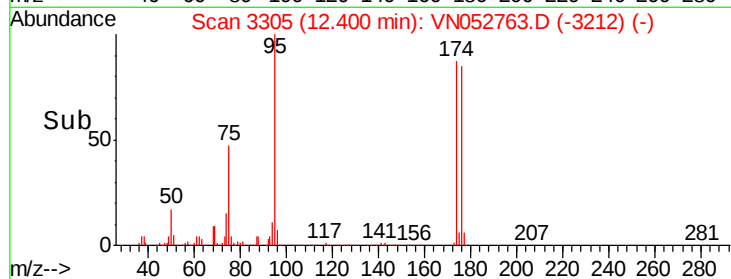
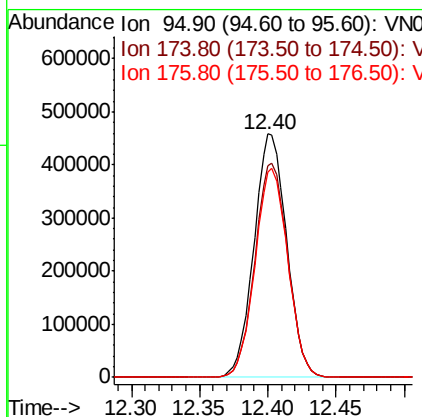
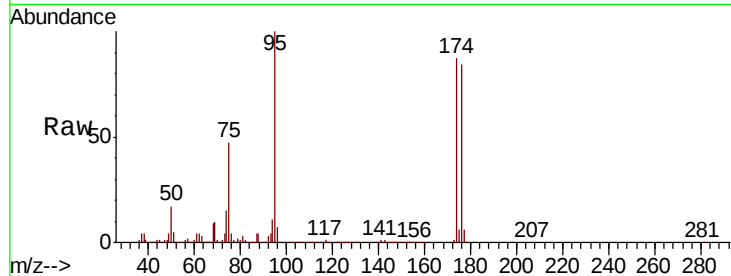




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052763.D
Acq: 10 Dec 2018 19:37

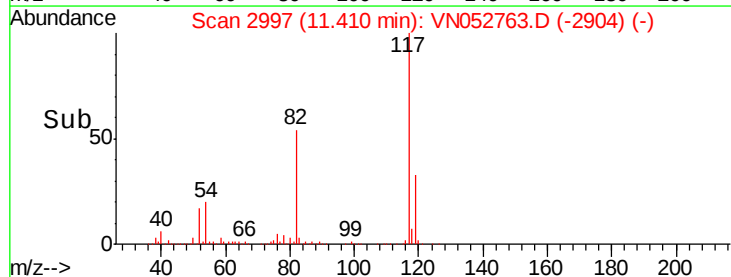
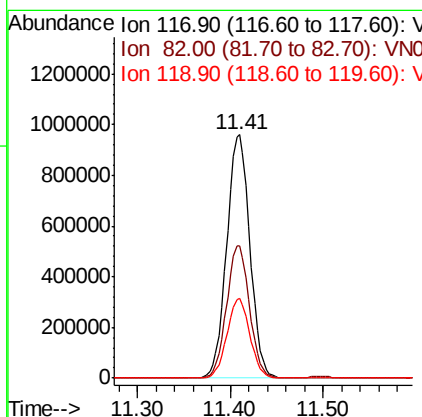
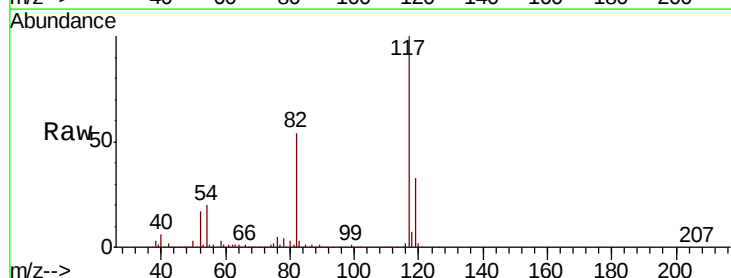
Instrument :
MSVOA_N
ClientSampleId :
OILY-SOIL

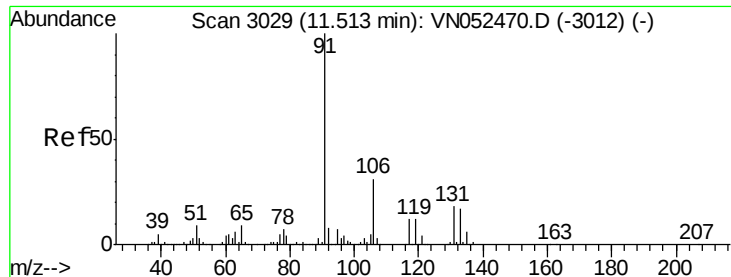
Tot Ion: 95 Resp: 761855
Ion Ratio Lower Upper
95 100
174 88.7 0.0 173.0
176 86.3 0.0 166.2



#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

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

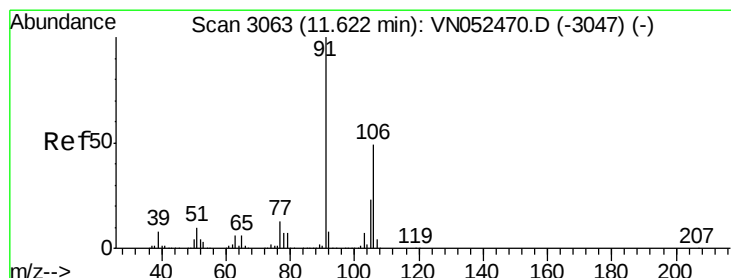
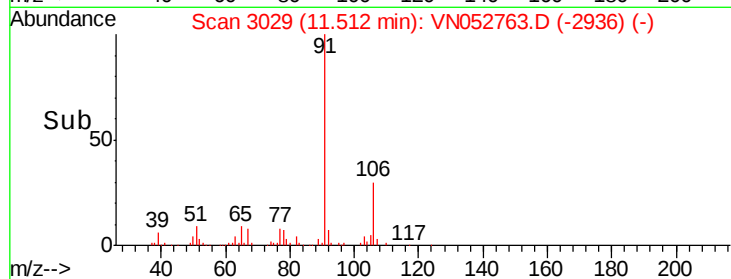
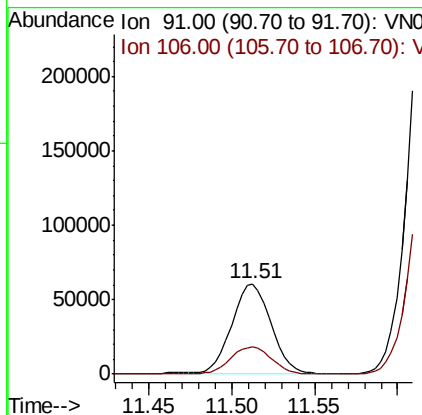
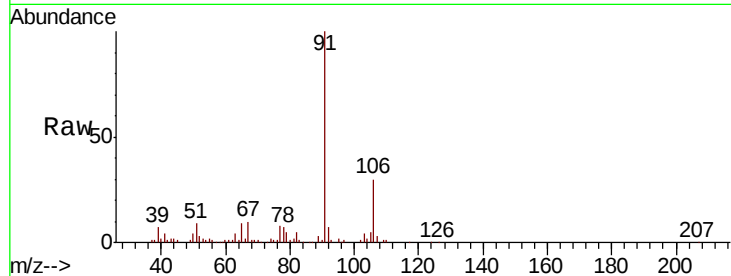




#67
Ethyl Benzene
Concen: 1.668 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052763.D
Acq: 10 Dec 2018 19:37

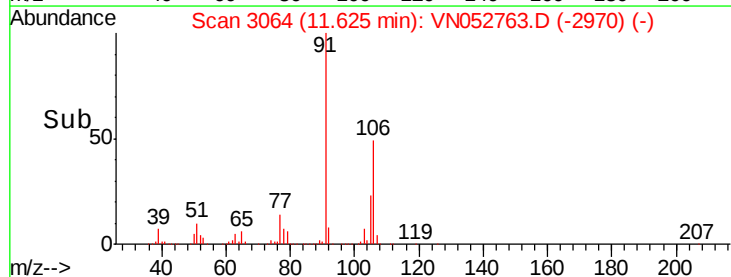
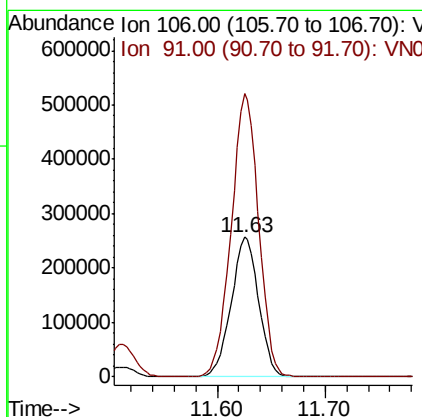
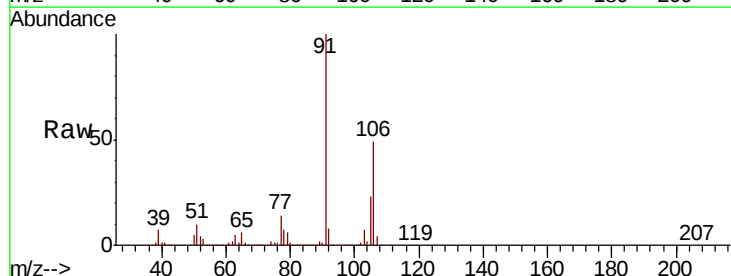
Instrument :
MSVOA_N
ClientSampled :
OILY-SOIL

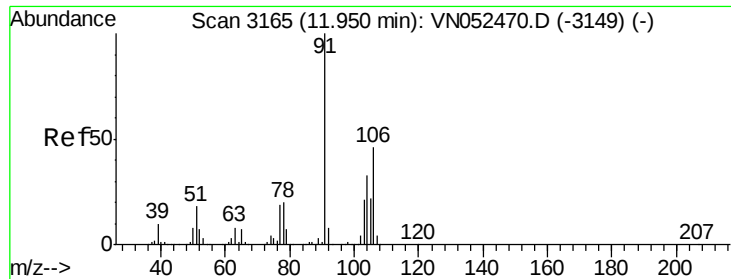
Tot Ion: 91 Resp: 99870
Ion Ratio Lower Upper
91 100
106 30.1 24.9 37.3



#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

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

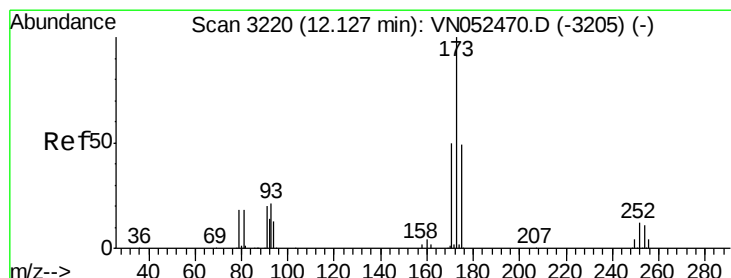
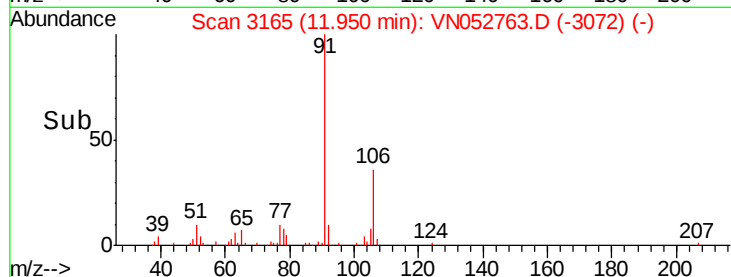
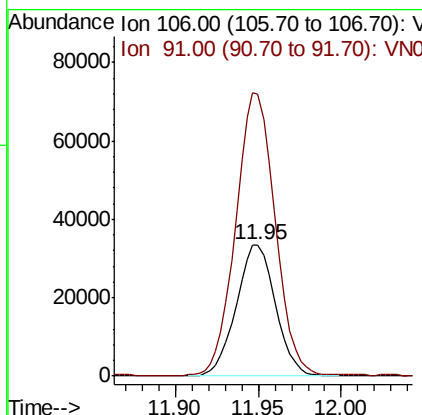
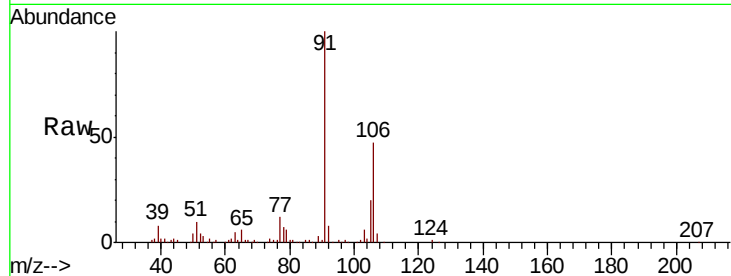




#69
o-Xylene
Concen: 2.539 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052763.D
Acq: 10 Dec 2018 19:37

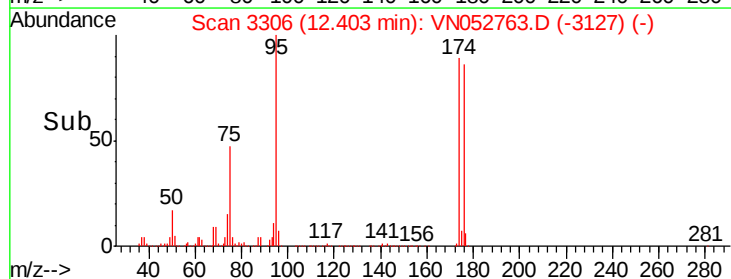
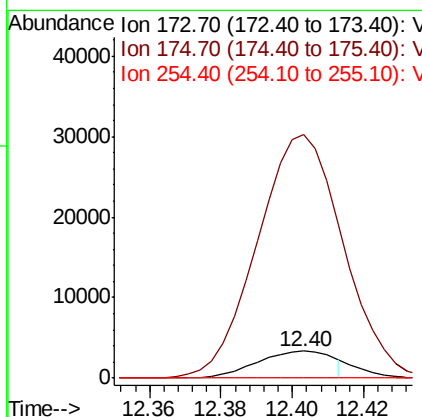
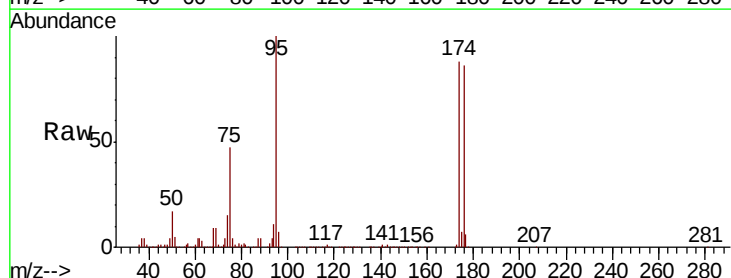
Instrument :
MSVOA_N
ClientSampled :
OILY-SOIL

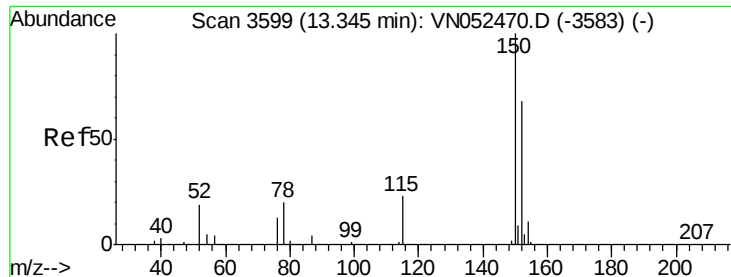
Tot Ion:106 Resp: 54979
Ion Ratio Lower Upper
106 100
91 218.1 107.7 323.1



#71
Bromoform
Concen: 0.621 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052763.D
Acq: 10 Dec 2018 19:37

Tgt Ion:173 Resp: 4888
Ion Ratio Lower Upper
173 100
175 892.8 24.4 73.2#
254 0.0 0.1 0.1#





#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

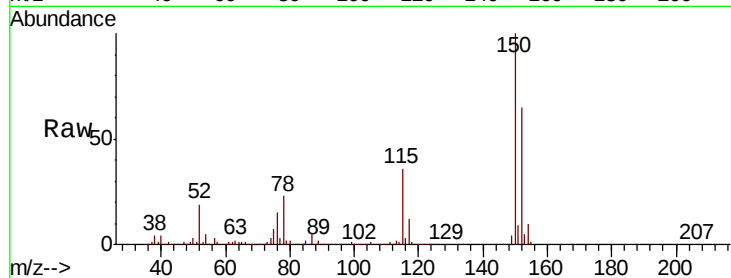
Tot Ion:152 Resp: 734314

Ion Ratio Lower Upper

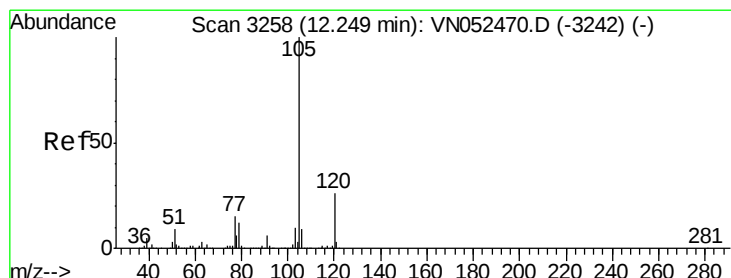
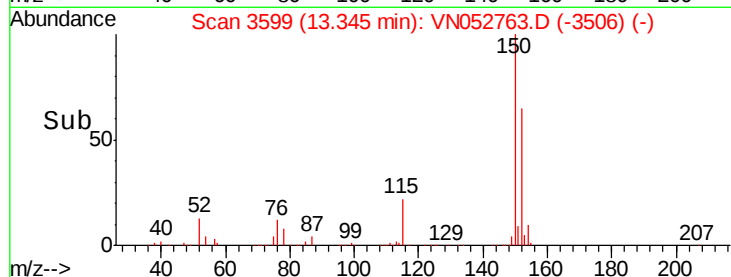
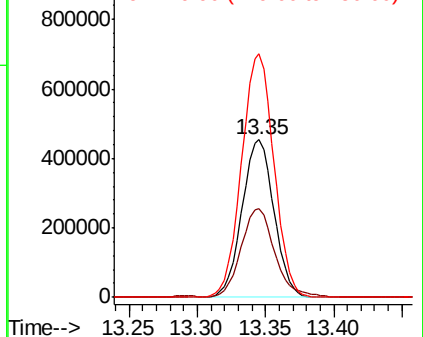
152 100

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

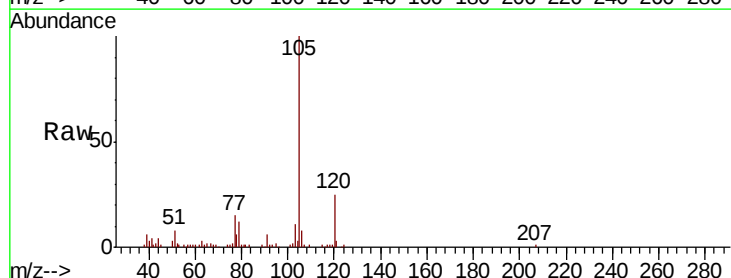
Acq: 10 Dec 2018 19:37

Tgt Ion:105 Resp: 67809

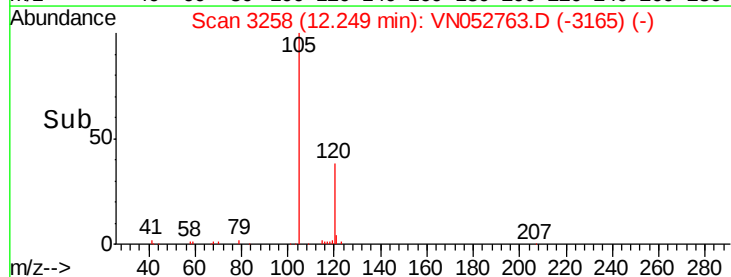
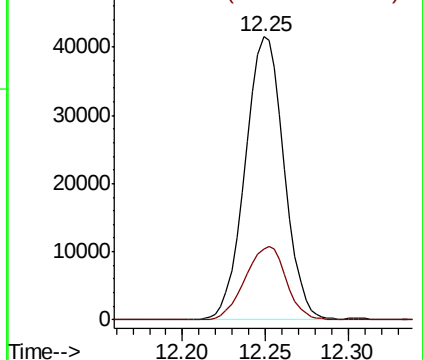
Ion Ratio Lower Upper

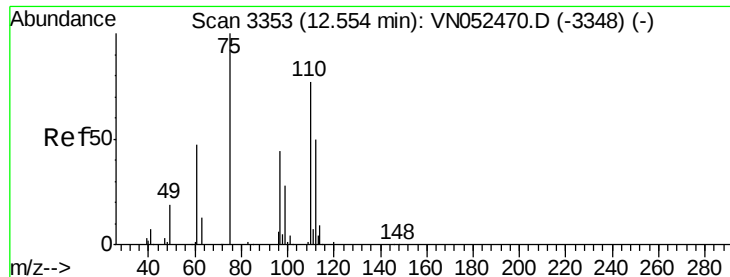
105 100

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





#76

1,2,3-Trichloropropane

Concen: 31.870 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052763.D

Acq: 10 Dec 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

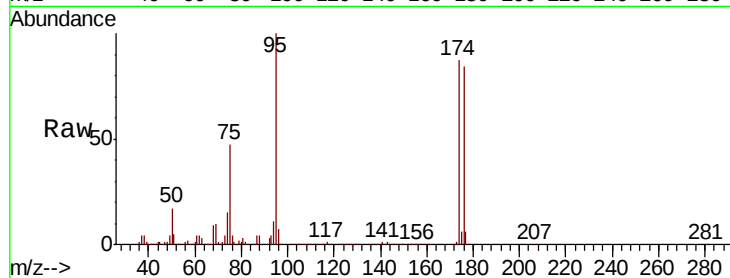
OILY-SOIL

Tot Ion: 75 Resp: 360881

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

250000

200000

150000

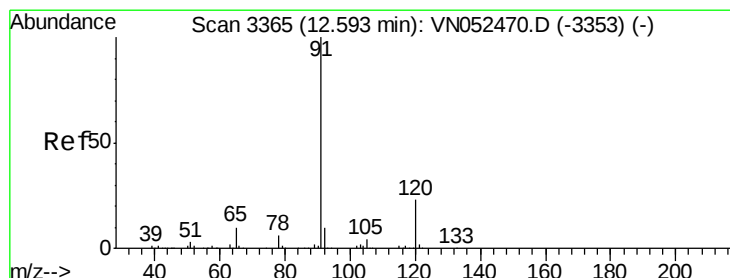
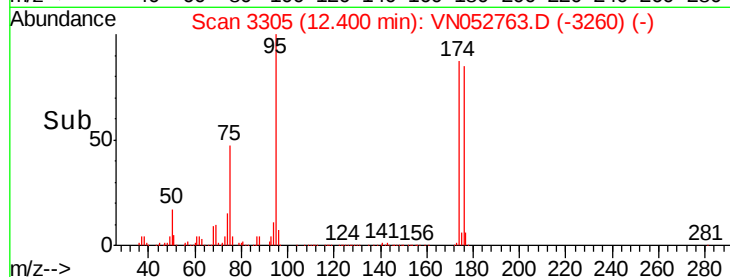
100000

50000

0

12.30 12.40 12.50

Time-->



#78

n-propylbenzene

Concen: 1.017 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052763.D

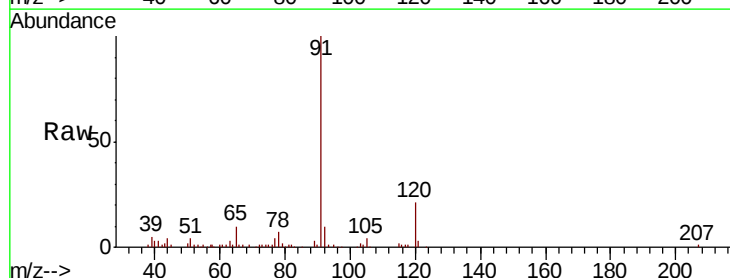
Acq: 10 Dec 2018 19:37

Tgt Ion: 91 Resp: 66538

Ion Ratio Lower Upper

91 100

120 23.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

150000

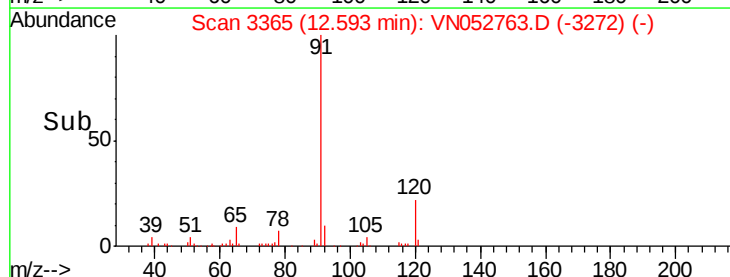
100000

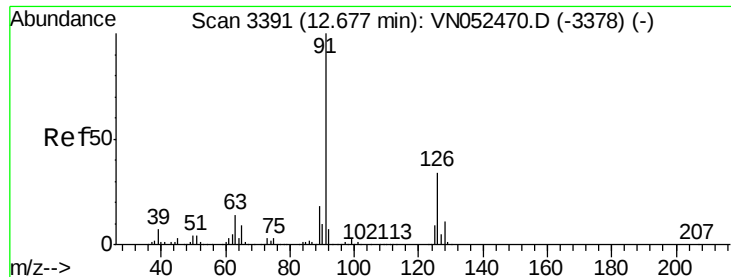
50000

0

12.50 12.55 12.60 12.65

Time-->

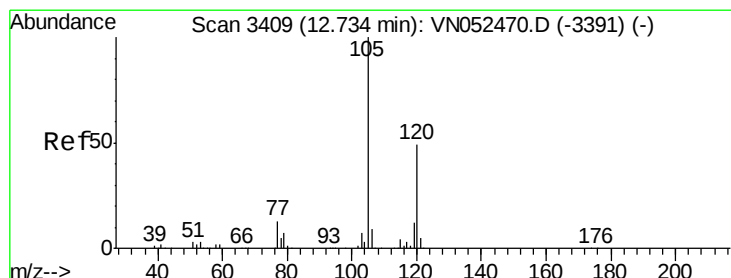
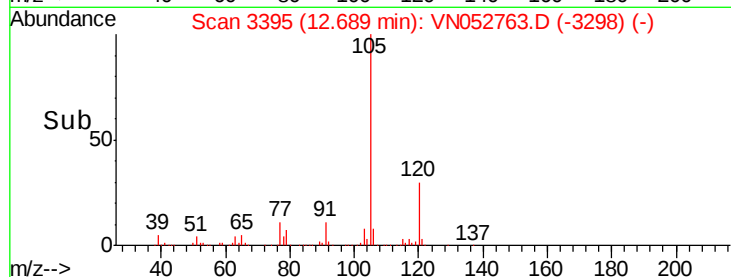
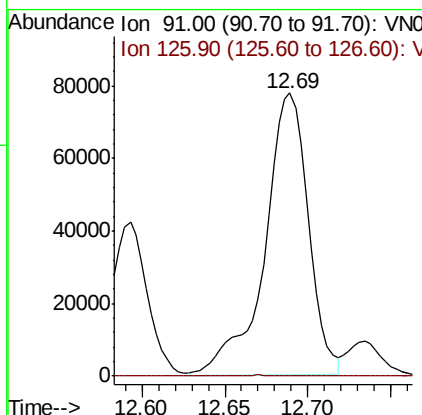
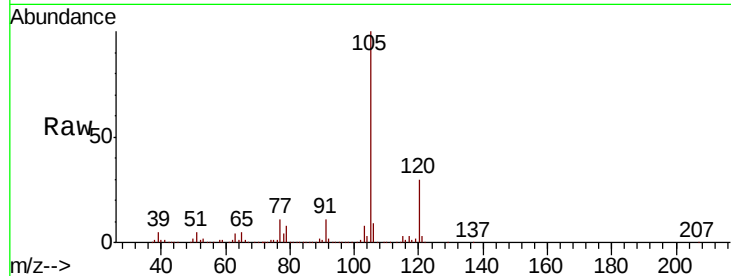




#79
 2-Chlorotoluene
 Concen: 3.686 ug/l
 RT: 12.69 min Scan# 3395
 Delta R.T. 0.01 min
 Lab File: VN052763.D
 Acq: 10 Dec 2018 19:37

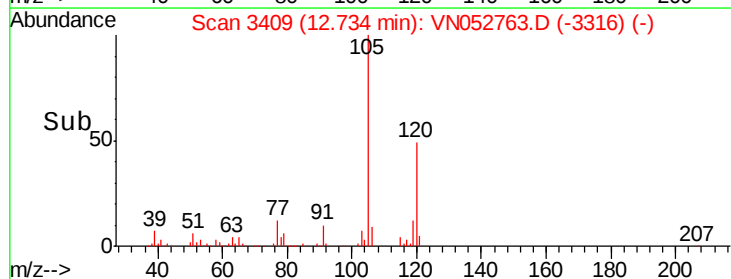
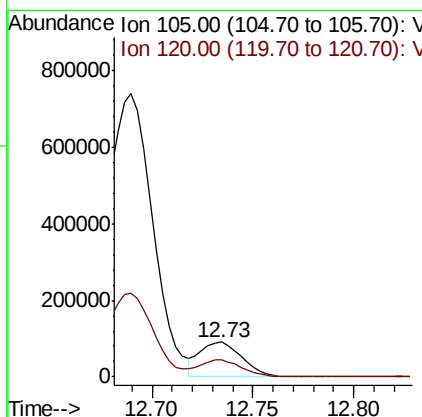
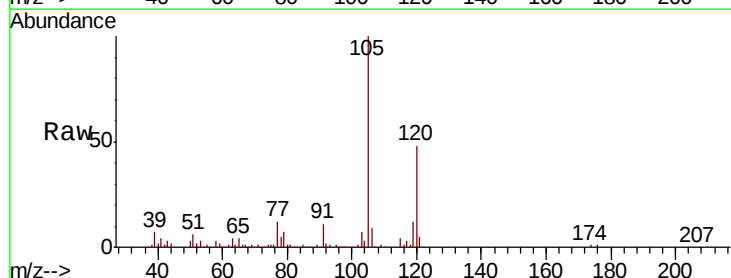
Instrument :
 MSVOA_N
 ClientSampled :
 OILY-SOIL

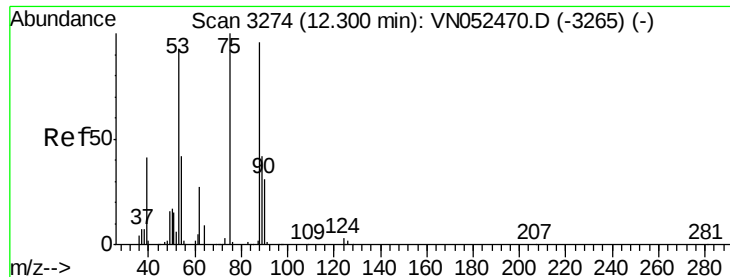
Tot Ion: 91 Resp: 143645
 Ion Ratio Lower Upper
 91 100
 126 0.2 17.2 51.6#



#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





#81

trans-1,4-Dichloro-2-butene

Concen: 106.431 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052763.D

Acq: 10 Dec 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOIL

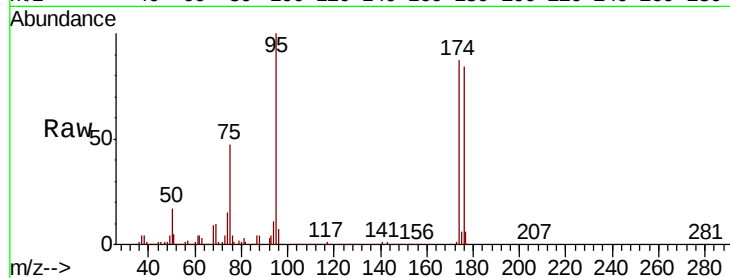
Tot Ion: 75 Resp: 360881

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

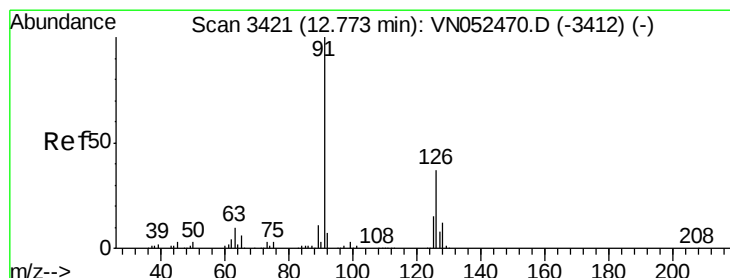
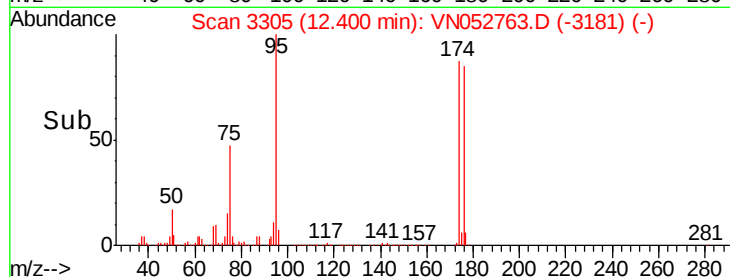
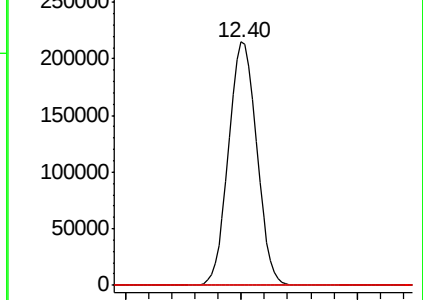
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.331 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN052763.D

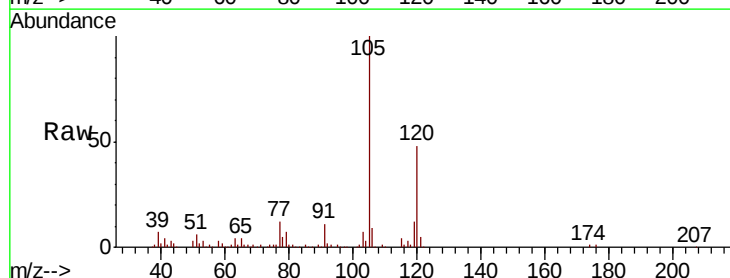
Acq: 10 Dec 2018 19:37

Tgt Ion: 91 Resp: 13008

Ion Ratio Lower Upper

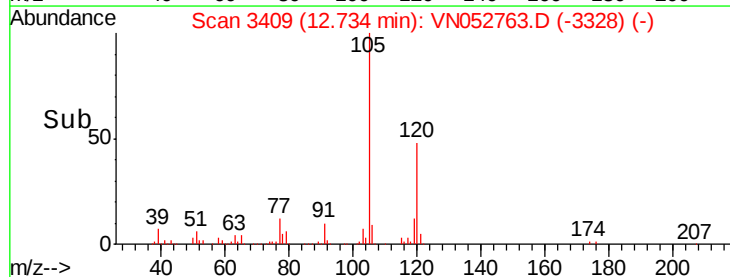
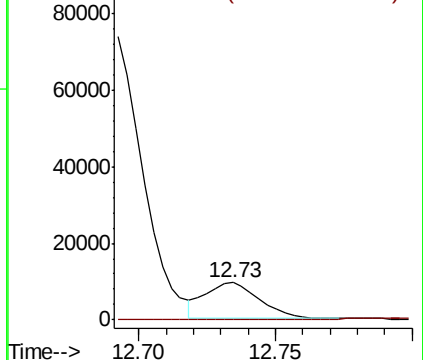
91 100

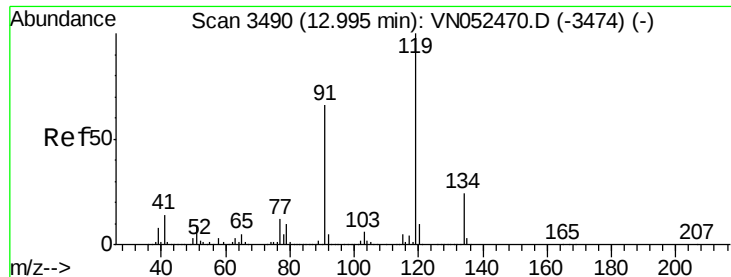
126 0.0 16.9 50.6#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

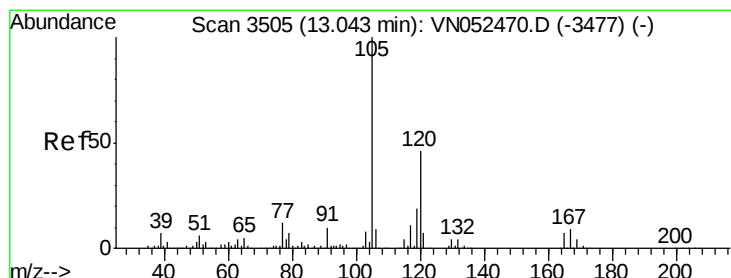
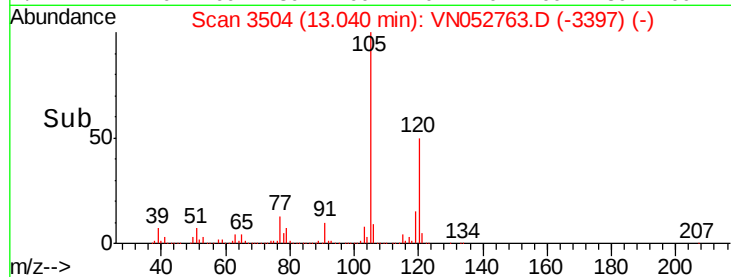
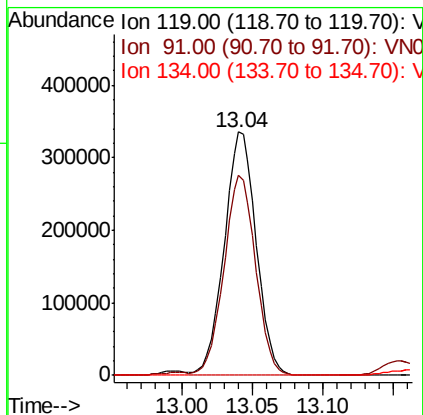
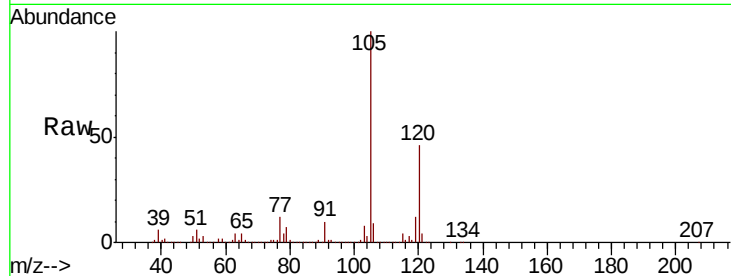




#83
 tert-Butylbenzene
 Concen: 12.940 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.04 min
 Lab File: VN052763.D
 Acq: 10 Dec 2018 19:37

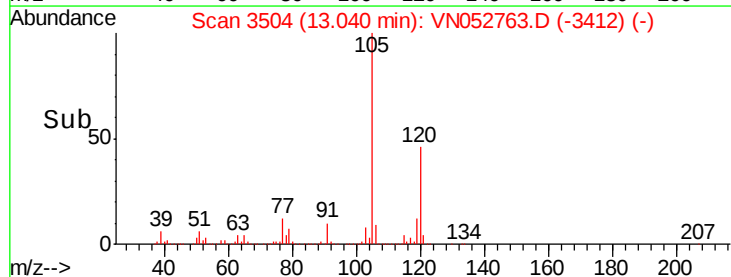
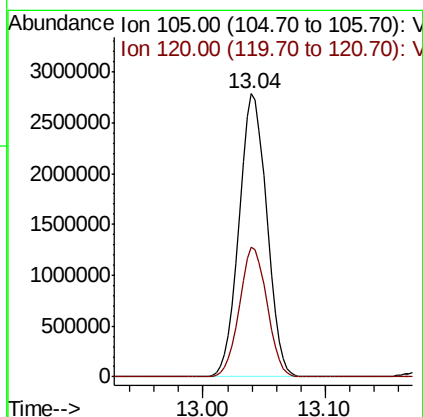
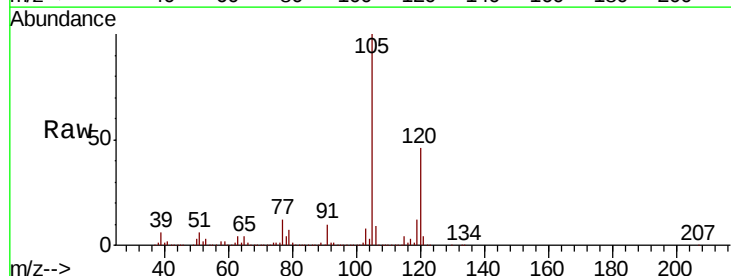
Instrument :
 MSVOA_N
 ClientSampled :
 OILY-SOIL

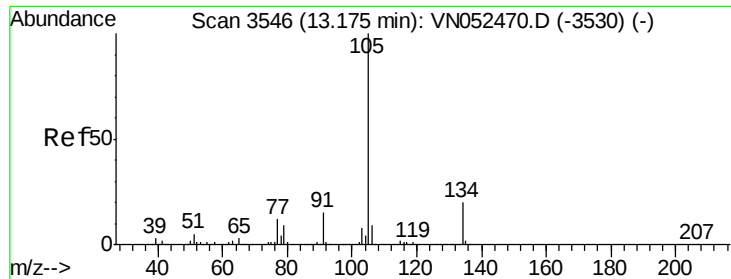
Tot Ion:119 Resp: 530051
 Ion Ratio Lower Upper
 119 100
 91 80.8 32.3 96.9
 134 0.0 13.0 38.9#



#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

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





#85

sec-Butylbenzene

Concen: 78.140 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.14 min

Lab File: VN052763.D

Acq: 10 Dec 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

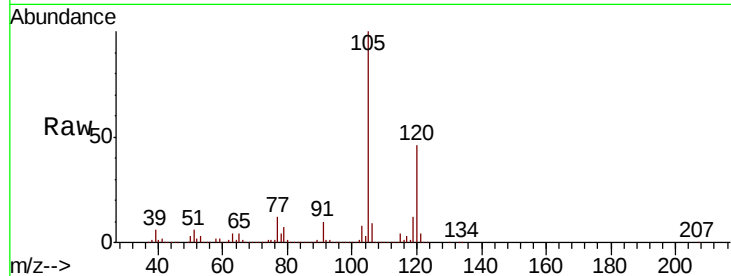
OILY-SOIL

Tot Ion:105 Resp: 4359602

Ion Ratio Lower Upper

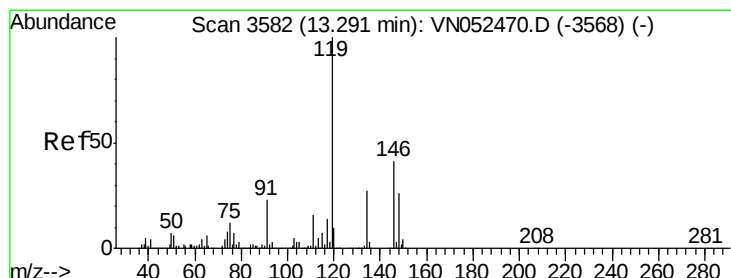
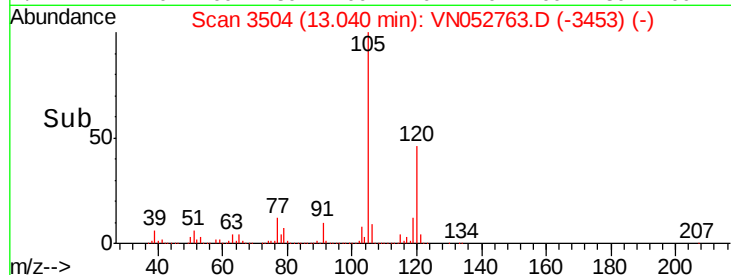
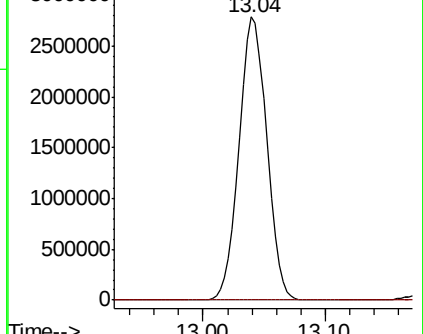
105 100

134 0.0 9.9 29.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#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

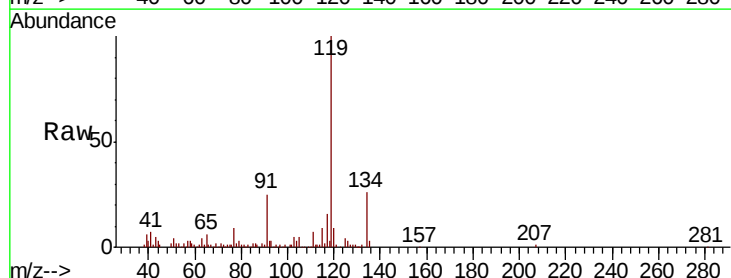
Tgt Ion:119 Resp: 81598

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

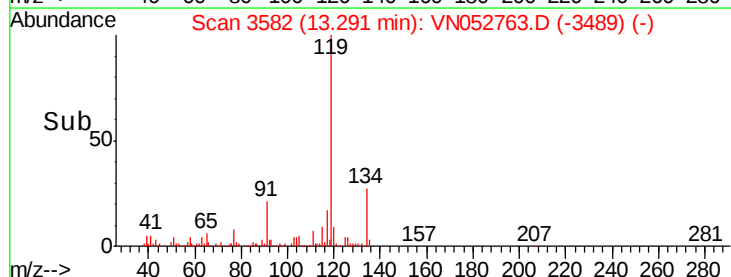
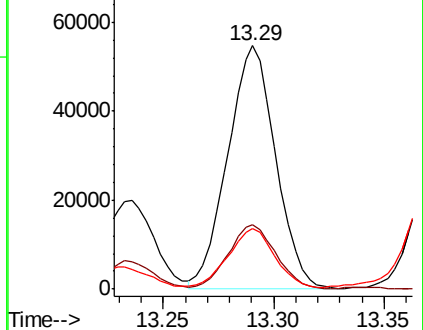
91 23.3 11.4 34.2

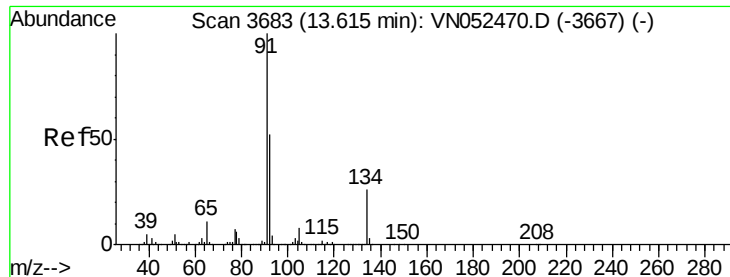


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 0.478 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.03 min

Lab File: VN052763.D

Acq: 10 Dec 2018 19:37

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOIL

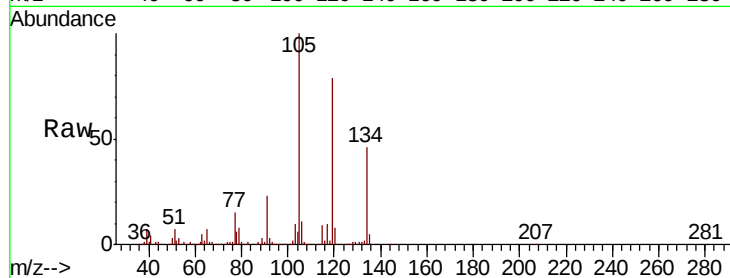
Tot Ion: 91 Resp: 18881

Ion Ratio Lower Upper

91 100

92 0.0 26.1 78.3#

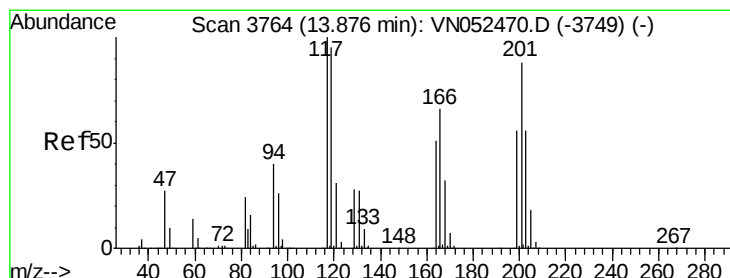
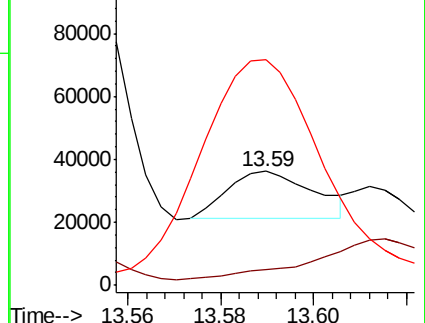
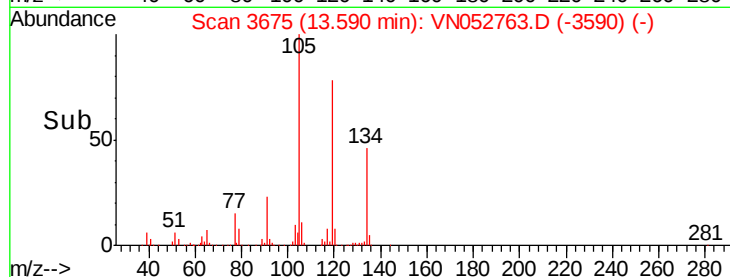
134 721.7 13.0 38.9#



Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052470.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052470.D (-3667) (-)



#90

Hexachloroethane

Concen: 10.650 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN052763.D

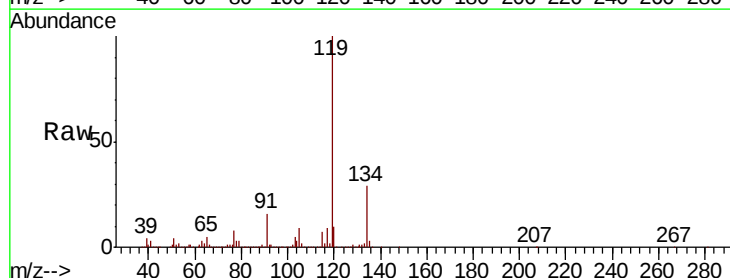
Acq: 10 Dec 2018 19:37

Tgt Ion: 117 Resp: 85693

Ion Ratio Lower Upper

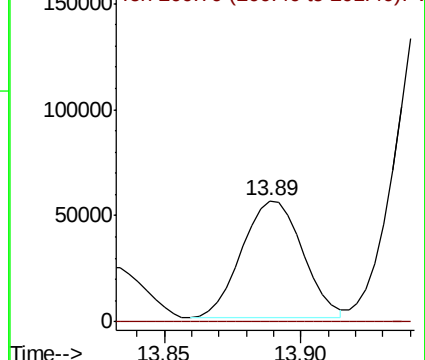
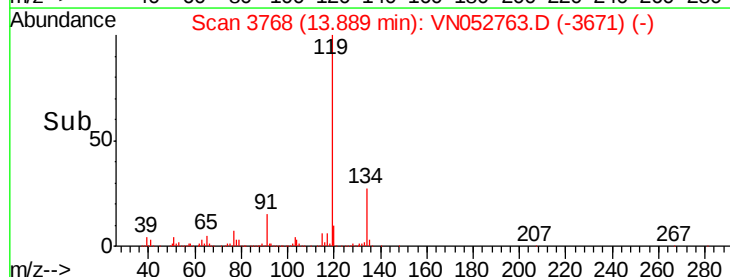
117 100

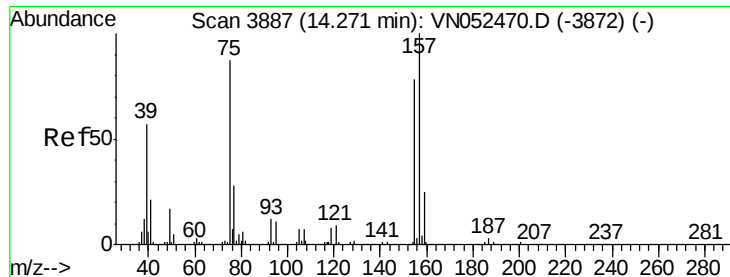
201 0.0 43.6 130.9#



Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052470.D (-3749) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.192 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.03 min

Lab File: VN052763.D

Acq: 10 Dec 2018 19:37

Instrument :

MSVOA_N

ClientSampled :

OILY-SOIL

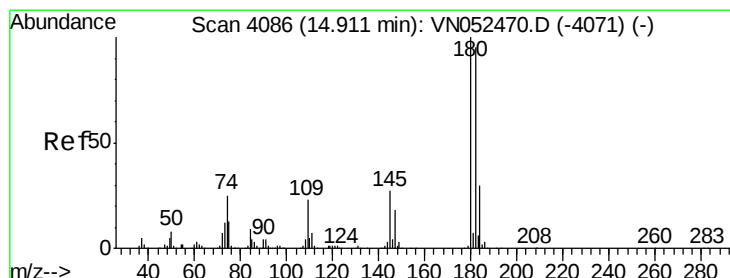
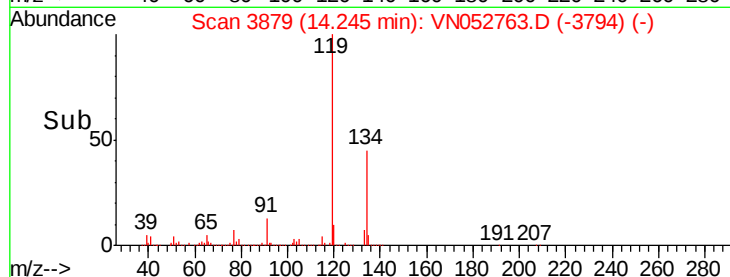
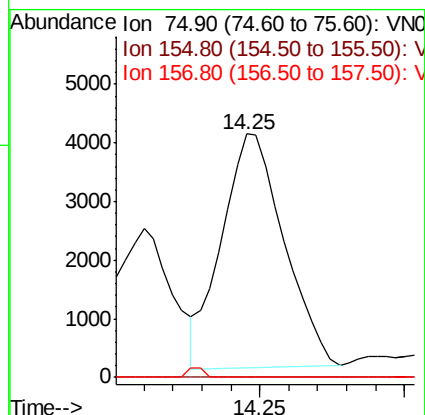
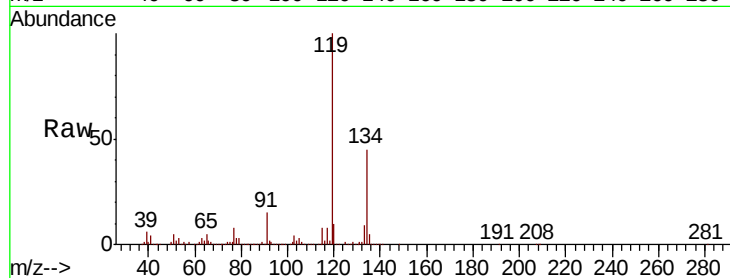
Tot Ion: 75 Resp: 5983

Ion Ratio Lower Upper

75 100

155 0.0 45.3 135.9#

157 0.0 58.1 174.2#



#93

1,2,4-Trichlorobenzene

Concen: 2.838 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN052763.D

Acq: 10 Dec 2018 19:37

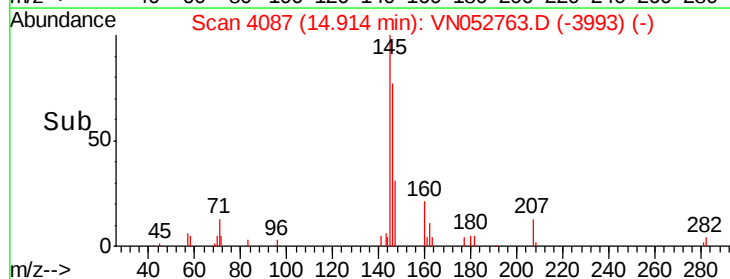
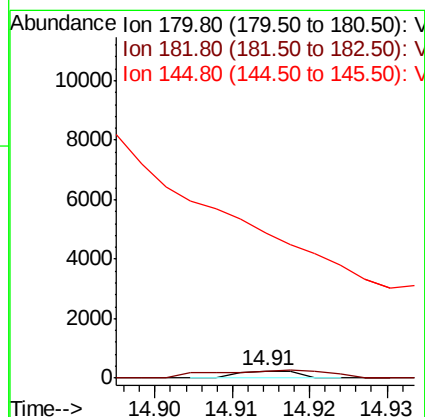
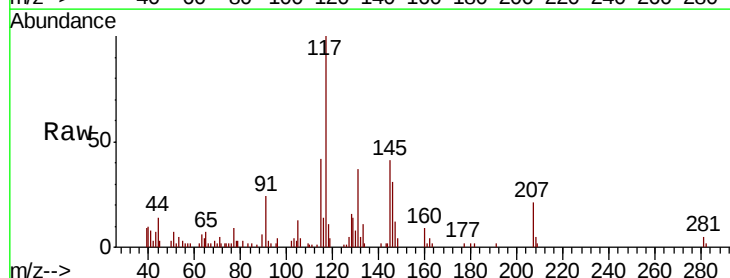
Tgt Ion: 180 Resp: 123

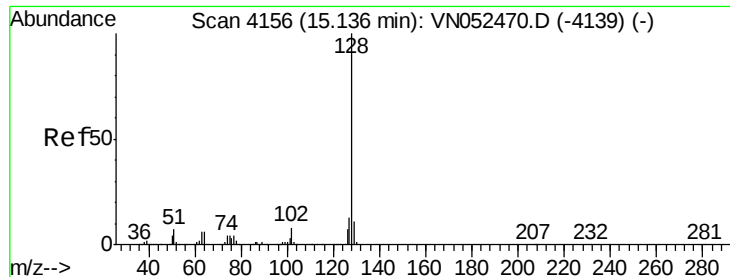
Ion Ratio Lower Upper

180 100

182 222.0 47.8 143.4#

145 0.0 14.1 42.3#





#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

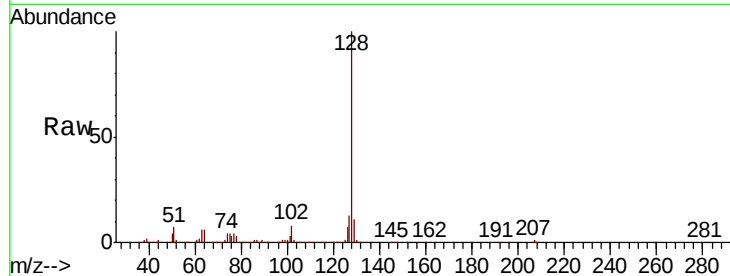
Tot Ion:128 Resp: 619992

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

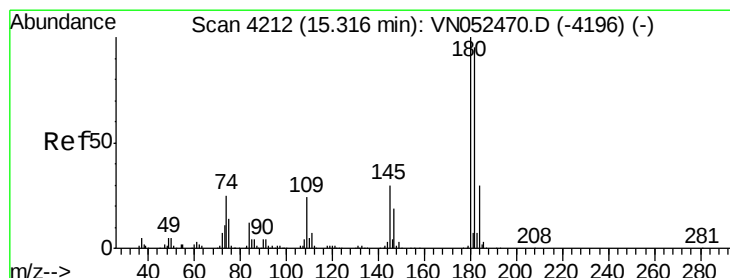
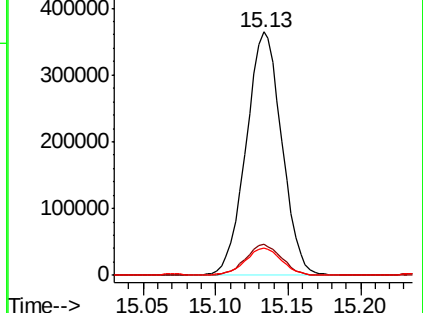
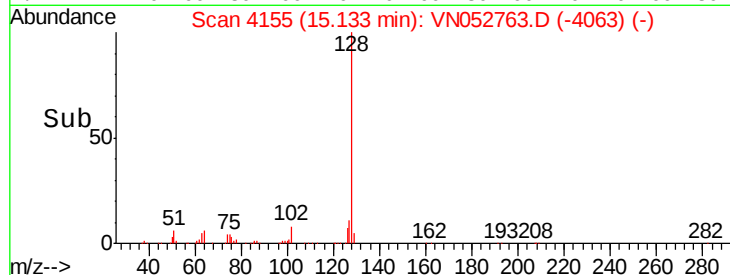
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.736 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.01 min

Lab File: VN052763.D

Acq: 10 Dec 2018 19:37

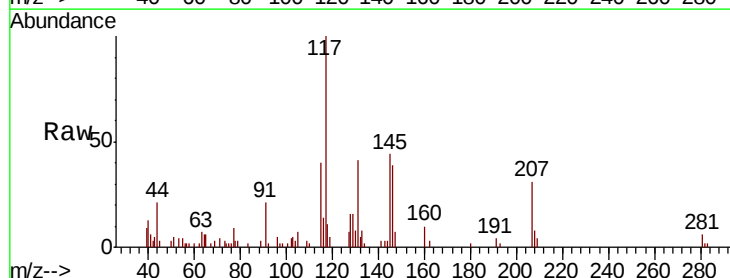
Tgt Ion:180 Resp: 109

Ion Ratio Lower Upper

180 100

182 0.0 47.8 143.3#

145 8037.6 15.2 45.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

