

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

Quant Time: Nov 29 00:10:33 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.57	56	7066	37.777	ug/l #	1
14) Allyl chloride	4.41	41	91717	3.818	ug/l #	68
15) Acrylonitrile	5.05	53	56982	11.100	ug/l #	33
16) Acetone	3.81	43	47897	11.210	ug/l #	61
18) Methyl Acetate	4.60	43	2315574	188.930	ug/l #	52
20) Methylene Chloride	4.56	84	11331	0.678	ug/l #	1
23) Vinyl Acetate	5.86	43	62195	1.979	ug/l #	76
25) 2-Butanone	6.82	43	57356	9.471	ug/l #	61
26) 2,2-Dichloropropane	6.62	77	12643	0.634	ug/l #	52
29) Tetrahydrofuran	7.21	42	7695	1.970	ug/l #	35
30) Chloroform	7.33	83	318404	11.078	ug/l #	19
31) Cyclohexane	7.65	56	5360302	193.289	ug/l	93
36) 1,1-Dichloropropene	7.66	75	105843	5.105	ug/l #	55
37) Ethyl Acetate	6.82	43	57356	4.533	ug/l #	68
38) Carbon Tetrachloride	7.67	117	129927	6.922	ug/l #	16
39) Methylcyclohexane	9.08	83	12877702	511.005	ug/l	99
40) Benzene	8.04	78	4836056	78.266	ug/l	100
41) Methacrylonitrile	7.21	41	89436	12.928	ug/l #	43
42) 1,2-Dichloroethane	8.13	62	61504	3.287	ug/l #	74
43) Isopropyl Acetate	8.15	43	563013	26.292	ug/l #	51
45) 1,2-Dichloropropane	9.15	63	4518	0.275	ug/l #	1
46) Dibromomethane	9.23	93	5254	0.578	ug/l #	1
47) Bromodichloromethane	9.39	83	678068	34.294	ug/l #	25
48) Methyl methacrylate	9.14	41	421171	37.720	ug/l #	32
49) 1,4-Dioxane	9.09	88	61	0.526	ug/l #	1
51) 4-Methyl-2-Pentanone	10.09	43	228477	19.017	ug/l #	53
53) t-1,3-Dichloropropene	10.16	75	340328	17.892	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	1035923	80.220	ug/l #	16
56) Ethyl methacrylate	10.44	69	158835	11.074	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.67	63	7698	0.822	ug/l #	49
59) 2-Hexanone	10.72	43	1026800	127.338	ug/l #	29
61) 1,2-Dibromoethane	10.98	107	2637	0.206	ug/l #	1
65) Chlorobenzene	11.54	112	17542	0.455	ug/l #	56
68) m/p-Xylenes	11.51	106	6046776	240.731	ug/l #	1

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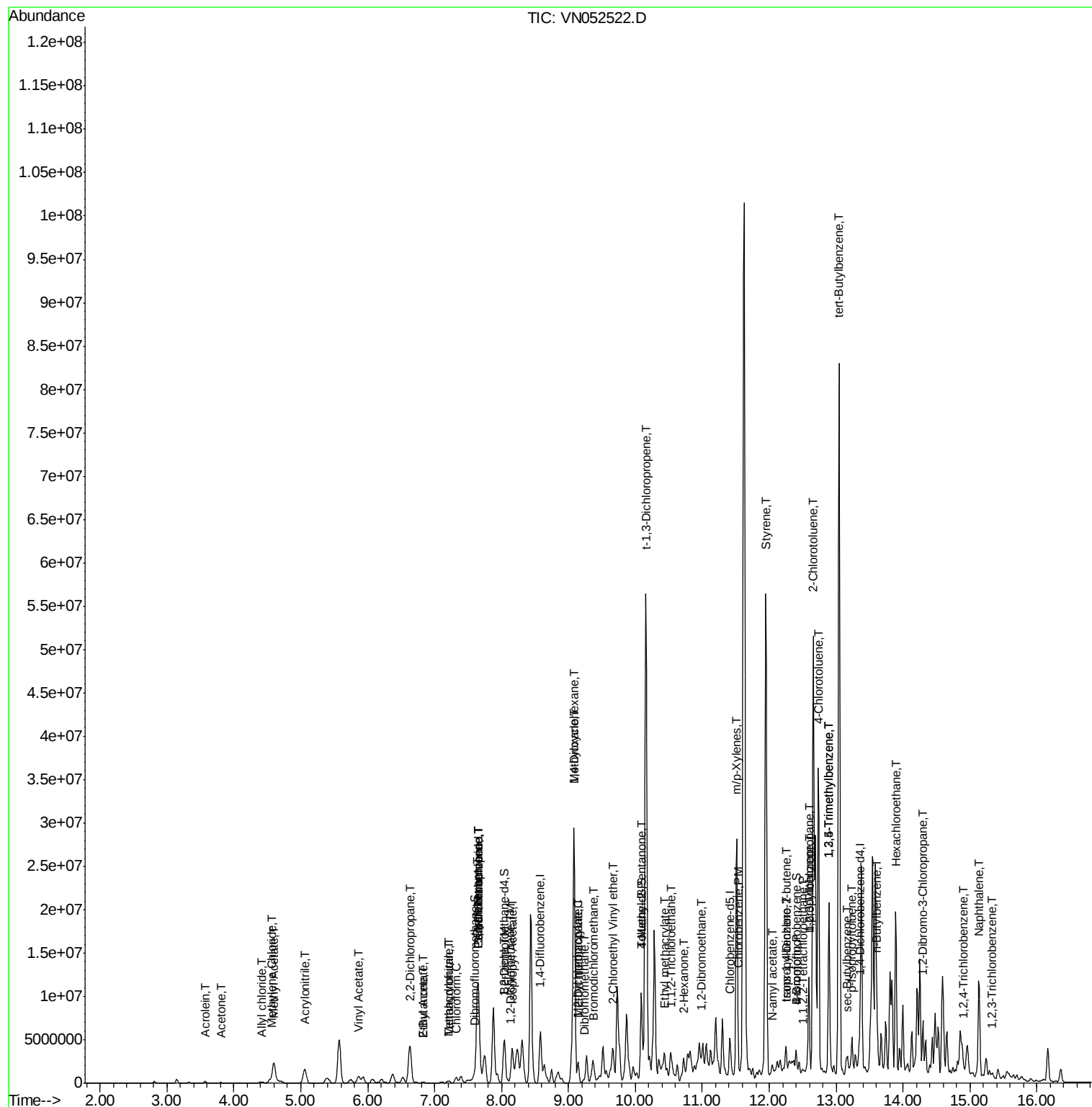
70) Styrene	11.95	104	812375	20.910	ug/l #	1
71) Bromoform	12.40	173	5364	0.605	ug/l #	1
73) Isopropylbenzene	12.25	105	2103492	31.761	ug/l	99
74) N-amyl acetate	12.04	43	380790	22.758	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	12.50	83	22771	1.511	ug/l #	1
76) 1,2,3-Trichloropropane	12.59	75	49393	3.794	ug/l #	100
78) n-propylbenzene	12.59	91	9103508	120.994	ug/l	99
79) 2-Chlorotoluene	12.66	91	4339595	96.854	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.89	105	13131275	248.601	ug/l	74
81) trans-1,4-Dichloro-2-buten	12.25	75	22493	5.770	ug/l #	52
82) 4-Chlorotoluene	12.73	91	1692672	37.485	ug/l #	41
83) tert-Butylbenzene	13.04	119	7451771	158.247	ug/l #	71
84) 1,2,4-Trimethylbenzene	12.89	105	13131275	248.064	ug/l	78
85) sec-Butylbenzene	13.17	105	1081129	16.856	ug/l #	47
86) p-Isopropyltoluene	13.24	119	1871368	34.257	ug/l	98
89) n-Butylbenzene	13.62	91	2335745	51.413	ug/l #	68
90) Hexachloroethane	13.89	117	927531	100.277	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.30	75	19309	8.961	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	920	2.887	ug/l #	79
95) Naphthalene	15.13	128	9300132	275.986	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	276	2.746	ug/l #	1

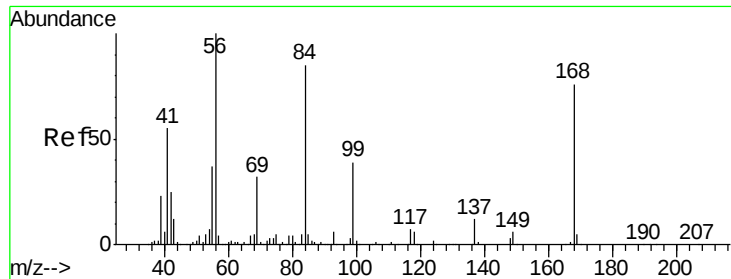
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052522.D

Acq: 28 Nov 2018 16:22

Instrument :

MSVOA_N

ClientSampled :

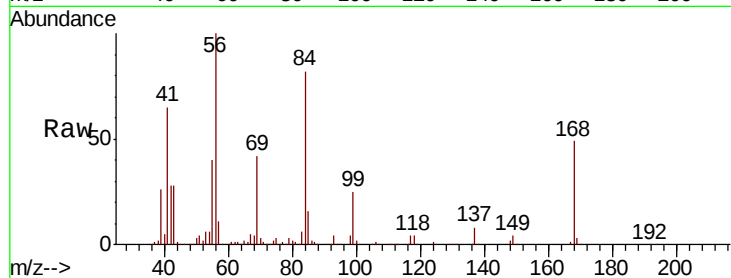
OILY-SOIL

Tot Ion:168 Resp: 1487799

Ion Ratio Lower Upper

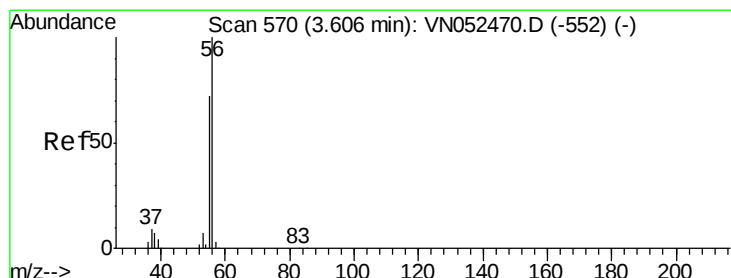
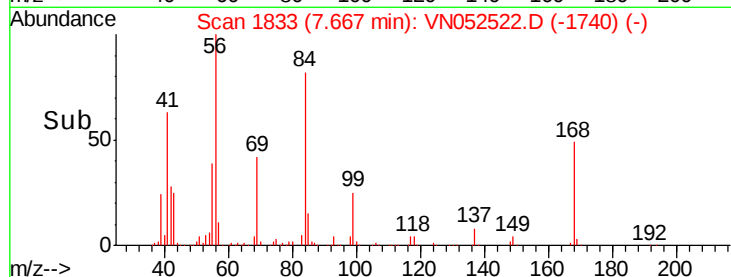
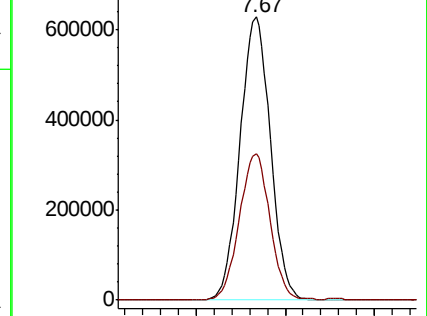
168 100

99 51.6 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#13

Acrolein

Concen: 37.777 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.04 min

Lab File: VN052522.D

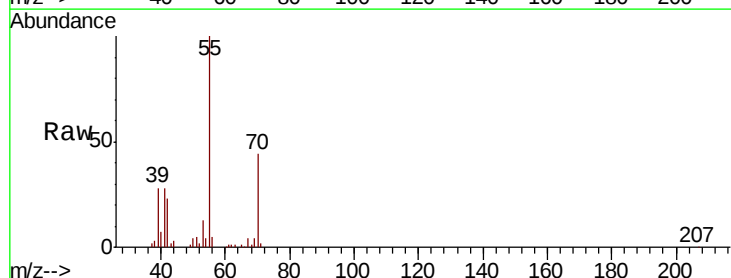
Acq: 28 Nov 2018 16:22

Tgt Ion: 56 Resp: 7066

Ion Ratio Lower Upper

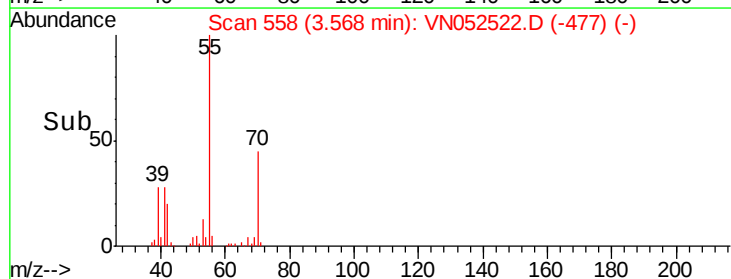
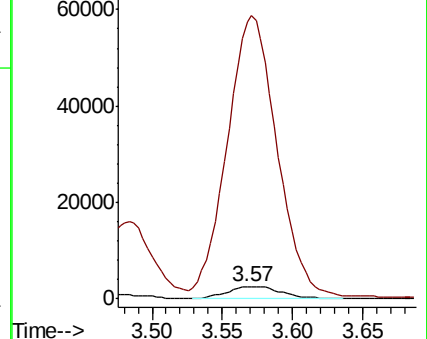
56 100

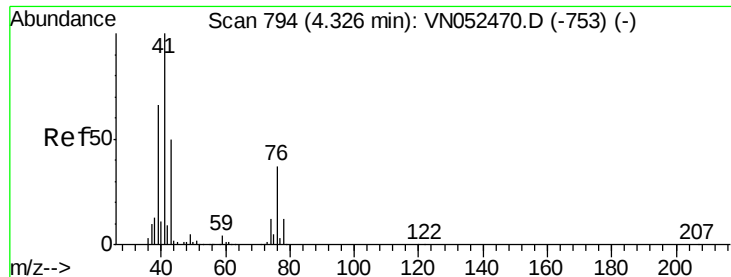
55 2023.9 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

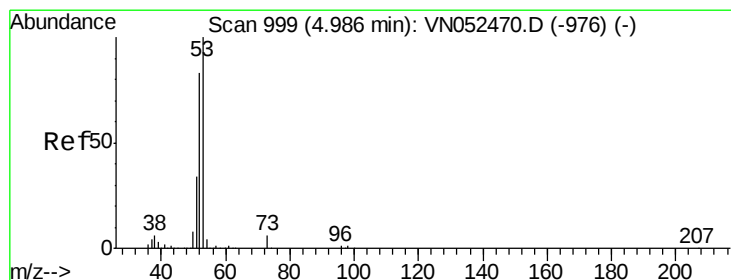
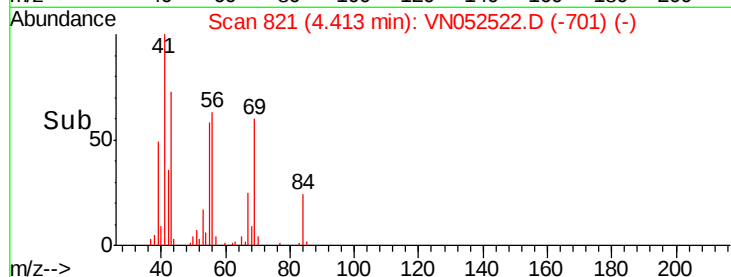
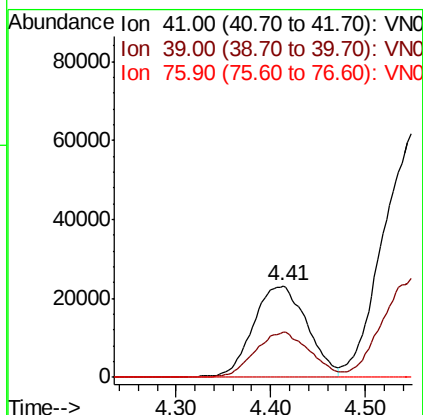
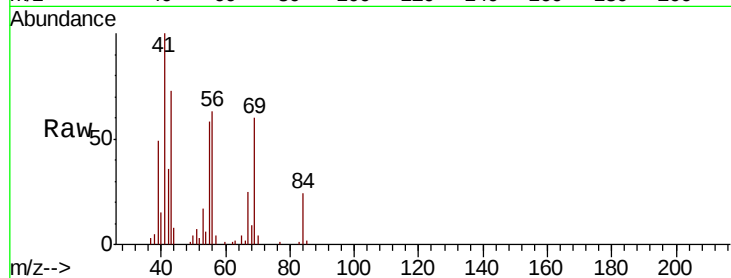




#14
Allvl chloride
Concen: 3.818 ug/l
RT: 4.41 min Scan# 821
Delta R.T. 0.09 min
Lab File: VN052522.D
Acq: 28 Nov 2018 16:22

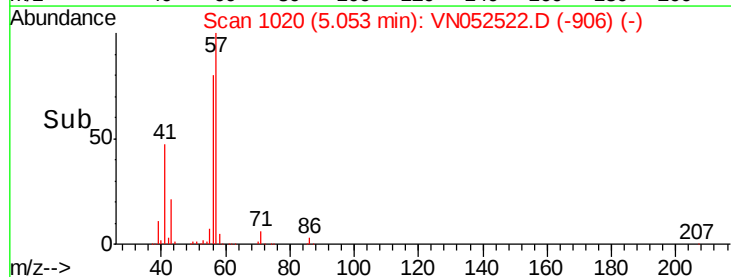
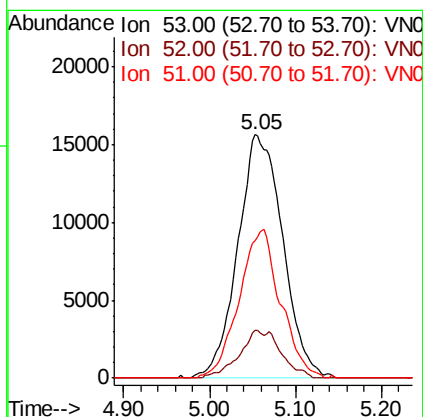
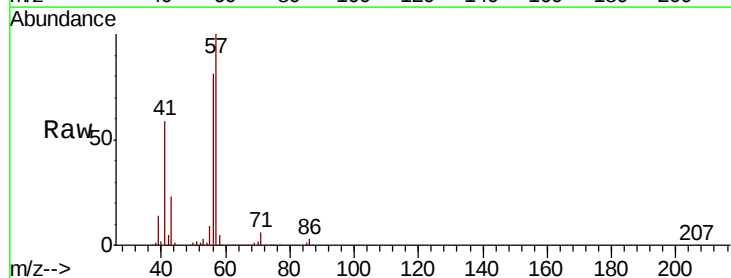
Instrument :
MSVOA_N
ClientSampled :
OILY-SOIL

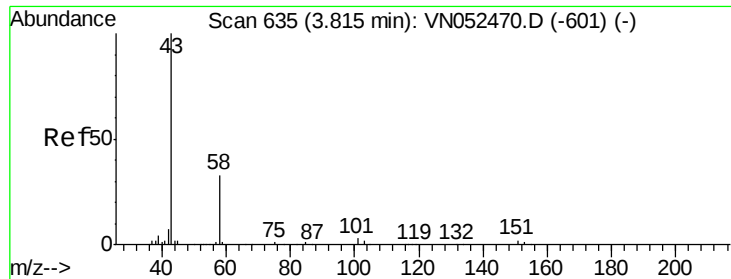
Tot Ion: 41 Resp: 91717
Ion Ratio Lower Upper
41 100
39 50.4 50.6 76.0#
76 0.0 27.4 41.2#



#15
Acrylonitrile
Concen: 11.100 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.07 min
Lab File: VN052522.D
Acq: 28 Nov 2018 16:22

Tgt Ion: 53 Resp: 56982
Ion Ratio Lower Upper
53 100
52 10.6 66.2 99.2#
51 56.0 28.1 42.1#





#16

Acetone

Concen: 11.210 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

Instrument :

MSVOA_N

ClientSampled :

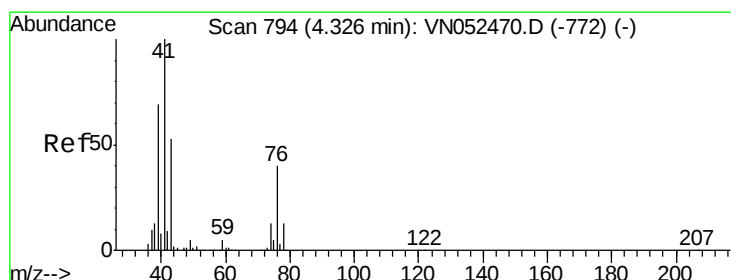
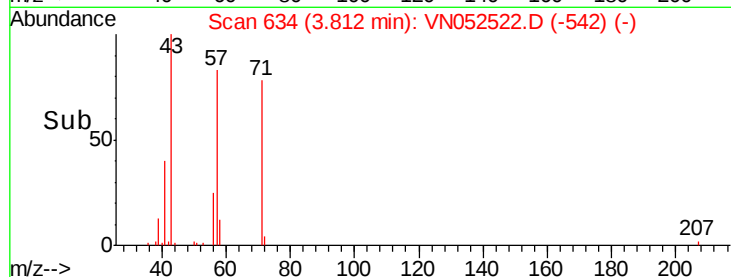
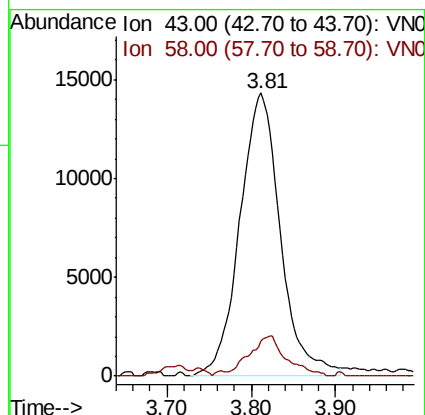
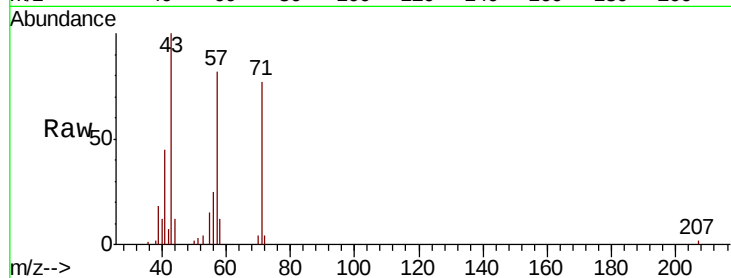
OILY-SOIL

Tot Ion: 43 Resp: 47897

Ion Ratio Lower Upper

43 100

58 10.7 26.0 39.0#



#18

Methyl Acetate

Concen: 188.930 ug/l

RT: 4.60 min Scan# 878

Delta R.T. 0.27 min

Lab File: VN052522.D

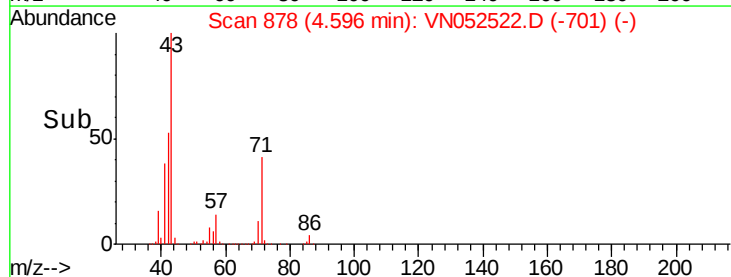
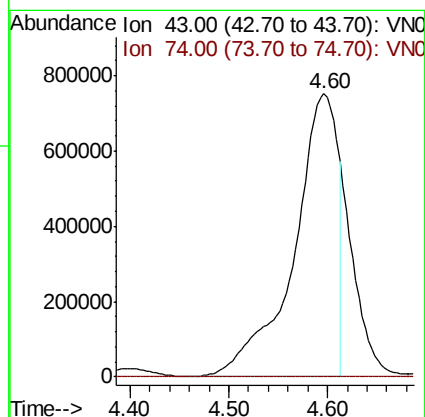
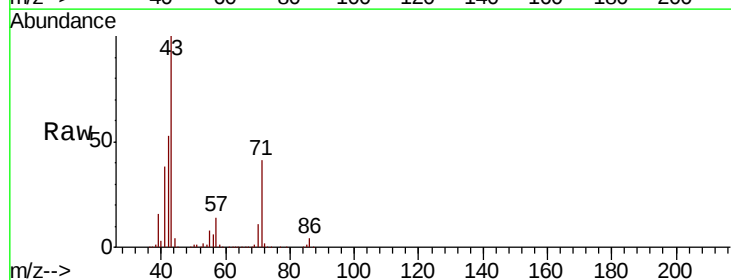
Acq: 28 Nov 2018 16:22

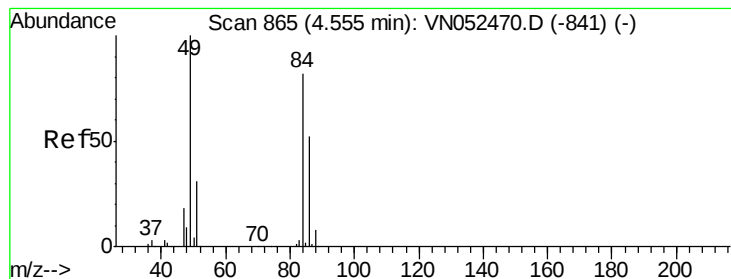
Tgt Ion: 43 Resp: 2315574

Ion Ratio Lower Upper

43 100

74 0.0 18.6 27.8#





#20

Methvlene Chloride

Concen: 0.678 ug/l

RT: 4.56 min Scan# 867

Delta R.T. 0.01 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

Instrument :

MSVOA_N

ClientSampled :

OILY-SOIL

Tot Ion: 84 Resp: 11331

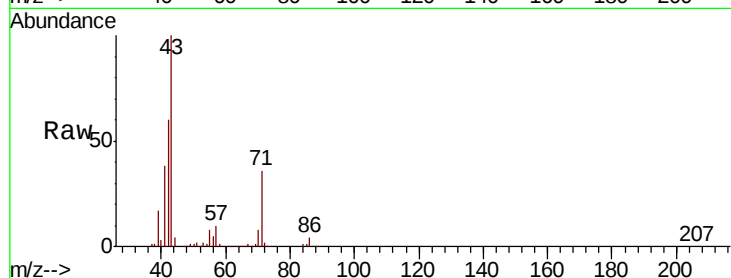
Ion Ratio Lower Upper

84 100

49 115.6 98.0 147.0

51 120.7 30.1 45.1#

86 331.2 50.7 76.1#

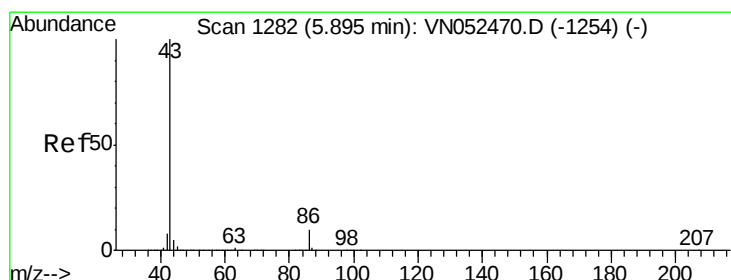
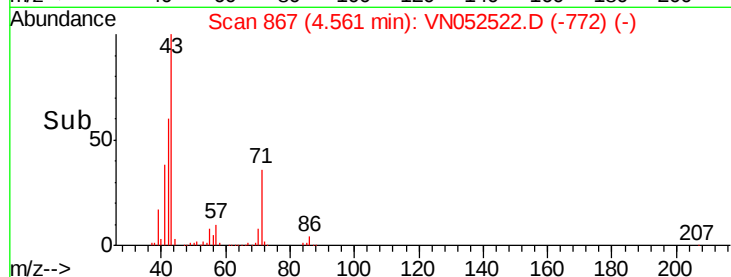
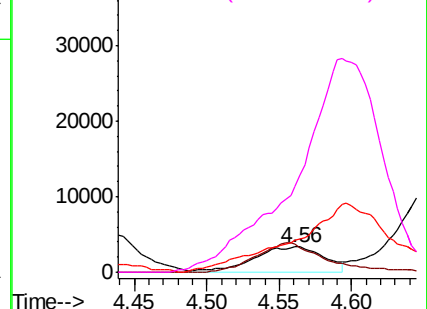


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#23

Vinyl Acetate

Concen: 1.979 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.04 min

Lab File: VN052522.D

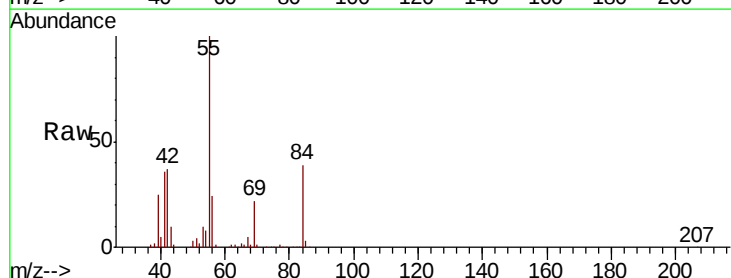
Acq: 28 Nov 2018 16:22

Tgt Ion: 43 Resp: 62195

Ion Ratio Lower Upper

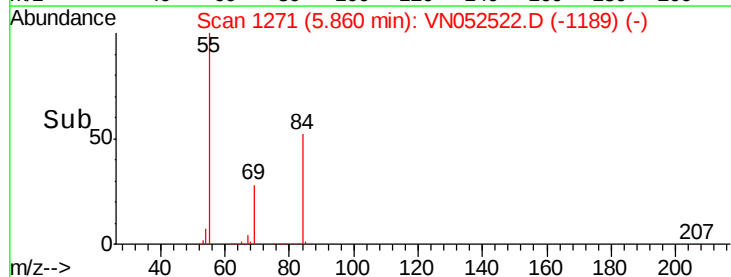
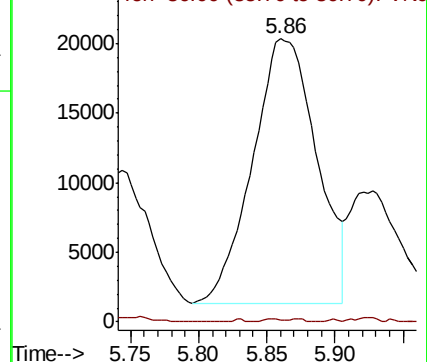
43 100

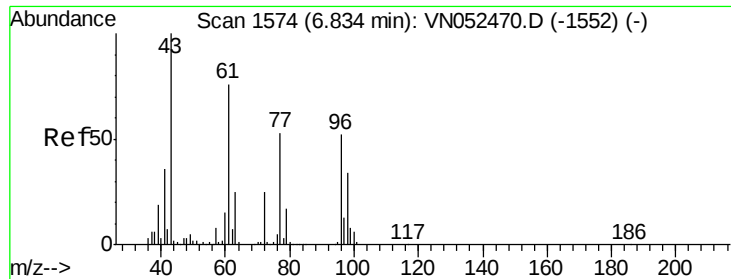
86 0.9 7.8 11.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

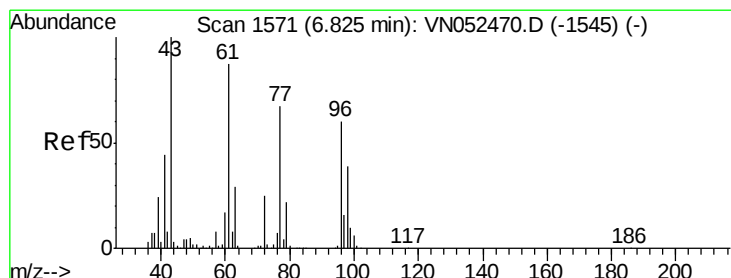
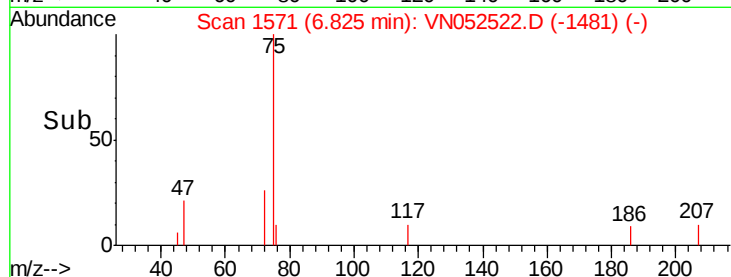
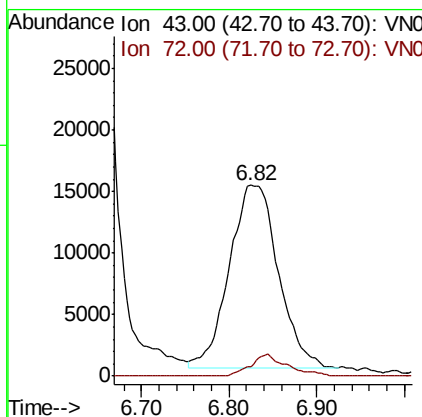
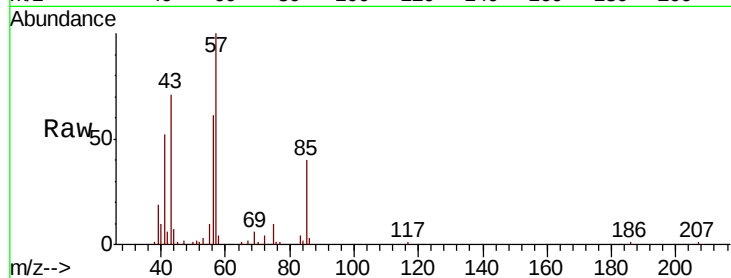




#25
 2-Butanone
 Concen: 9.471 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VN052522.D
 Acq: 28 Nov 2018 16:22

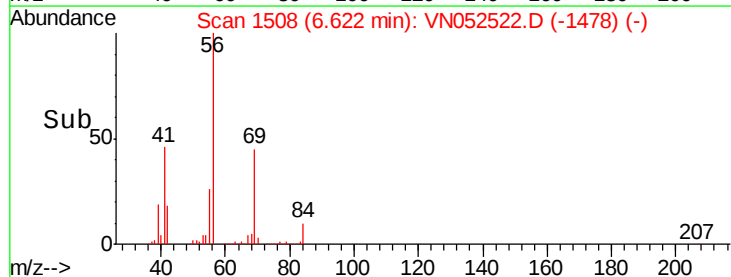
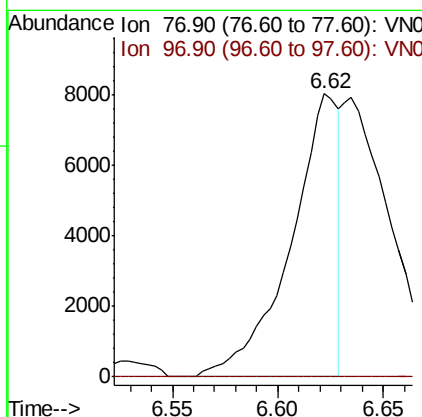
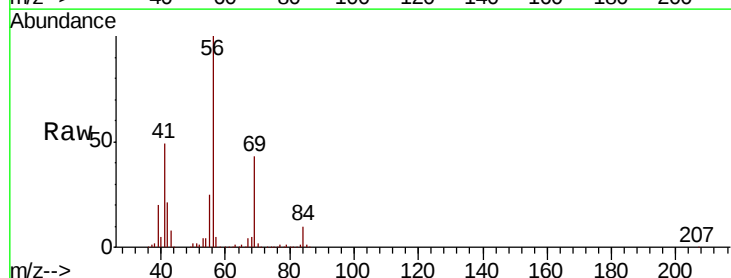
Instrument :
 MSVOA_N
 ClientSampled :
 OILY-SOIL

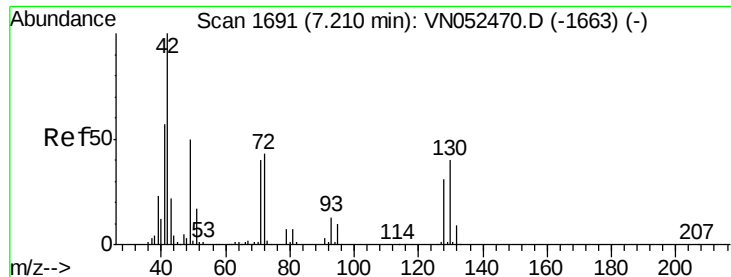
Tot Ion: 43 Resp: 57356
 Ion Ratio Lower Upper
 43 100
 72 5.3 20.1 30.1#



#26
 2,2-Dichloropropane
 Concen: 0.634 ug/l
 RT: 6.62 min Scan# 1508
 Delta R.T. -0.20 min
 Lab File: VN052522.D
 Acq: 28 Nov 2018 16:22

Tgt Ion: 77 Resp: 12643
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.8 35.3#

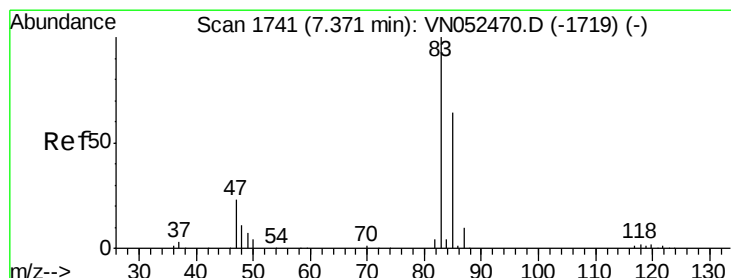
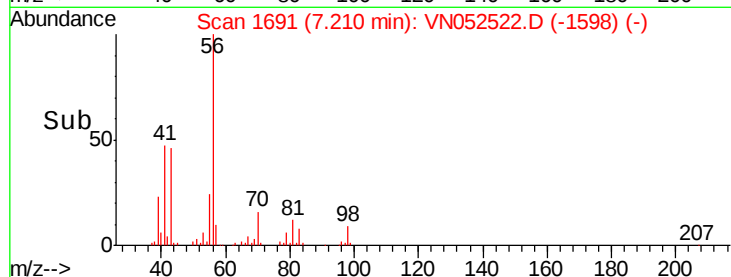
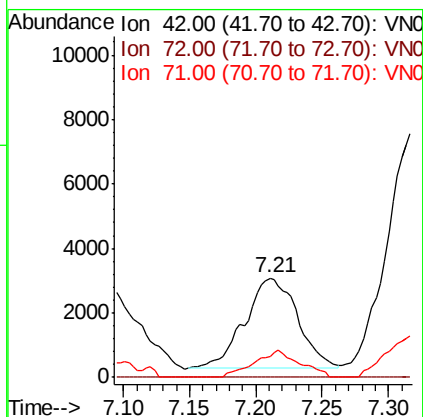
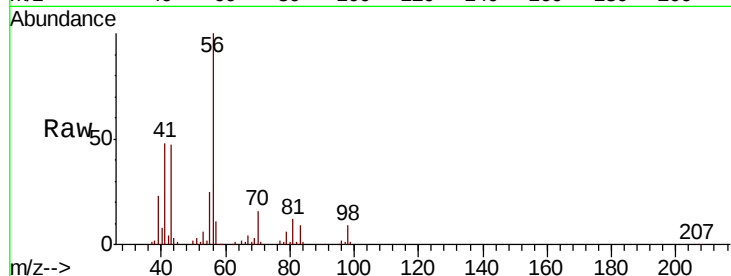




#29
Tetrahydrofuran
Concen: 1.970 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052522.D
Acq: 28 Nov 2018 16:22

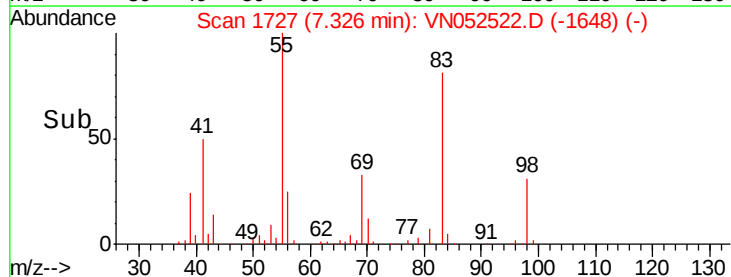
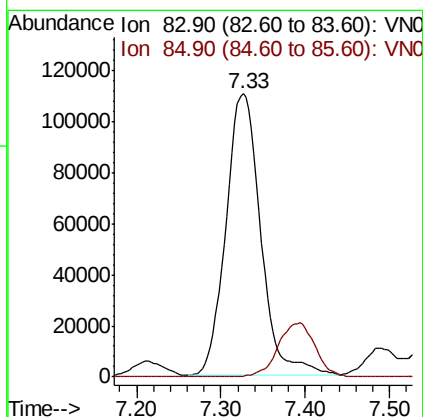
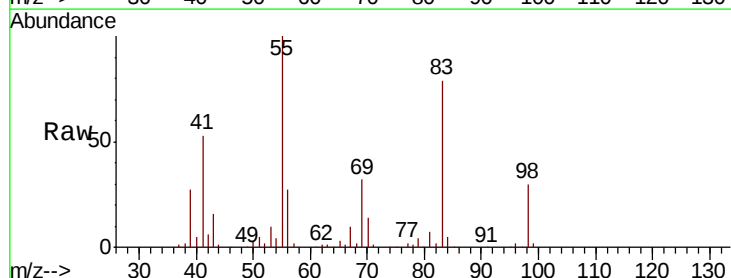
Instrument :
MSVOA_N
ClientSampled :
OILY-SOIL

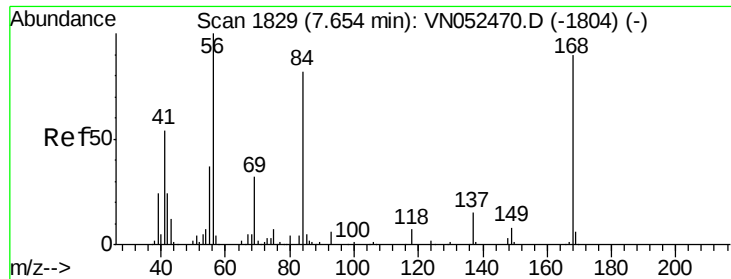
Tot Ion: 42 Resp: 7695
Ion Ratio Lower Upper
42 100
72 0.0 33.3 49.9#
71 0.0 32.0 48.0#



#30
Chloroform
Concen: 11.078 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.05 min
Lab File: VN052522.D
Acq: 28 Nov 2018 16:22

Tgt Ion: 83 Resp: 318404
Ion Ratio Lower Upper
83 100
85 0.3 51.0 76.4#

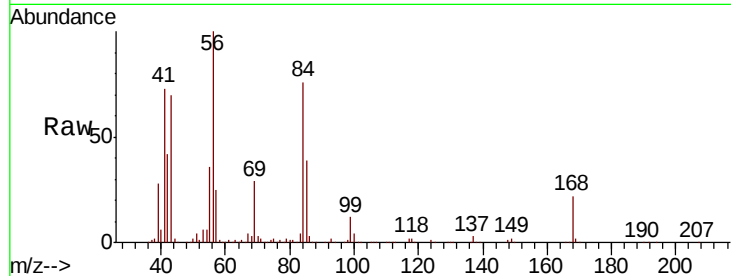




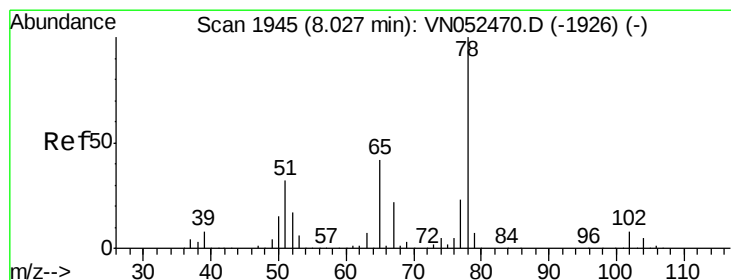
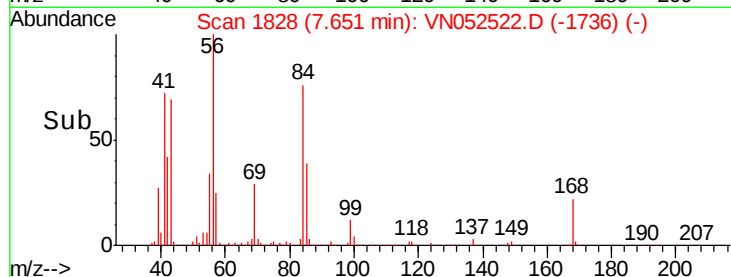
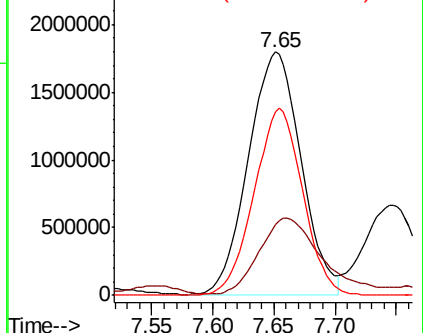
#31
Cyclohexane
Concen: 193.289 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN052522.D
Acq: 28 Nov 2018 16:22

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOIL

Tot Ion: 56 Resp: 5360302
Ion Ratio Lower Upper
56 100
69 27.8 25.8 38.6
84 75.8 65.3 97.9

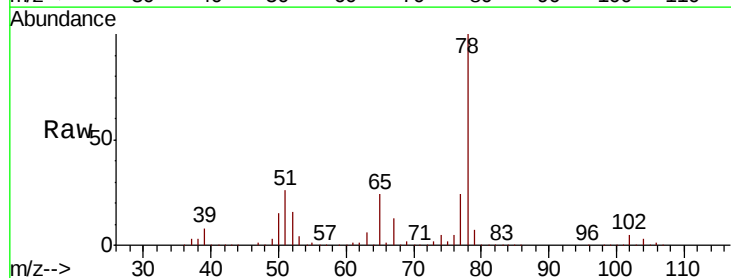


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

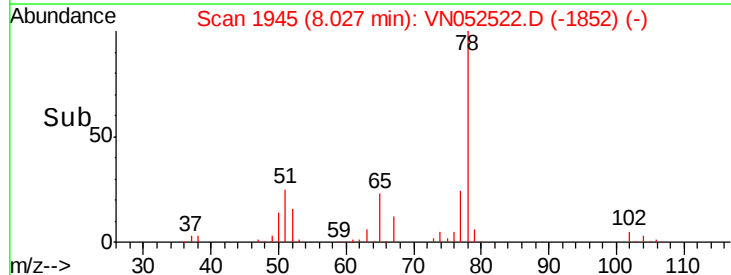
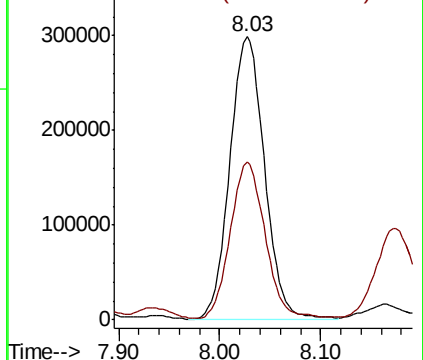


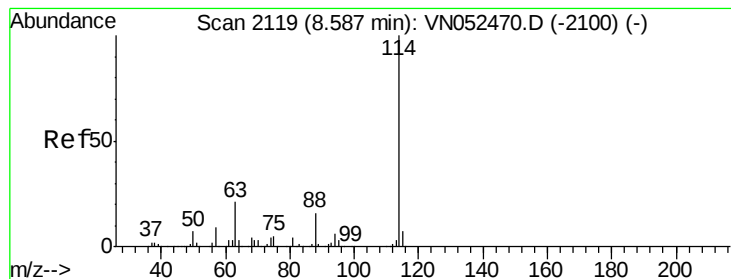
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052522.D
Acq: 28 Nov 2018 16:22

Tgt Ion: 65 Resp: 709287
Ion Ratio Lower Upper
65 100
67 55.6 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: VN052522.D

Acq: 28 Nov 2018 16:22

Instrument :

MSVOA_N

ClientSampled :

OILY-SOIL

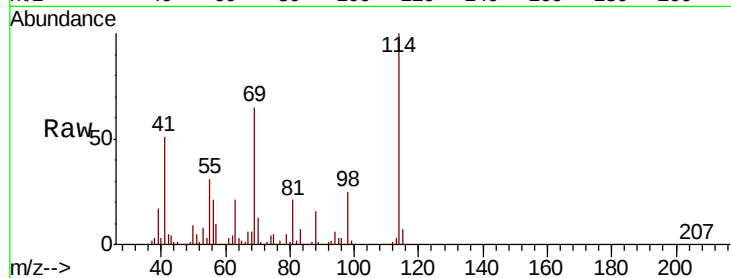
Tot Ion:114 Resp: 2195581

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.8

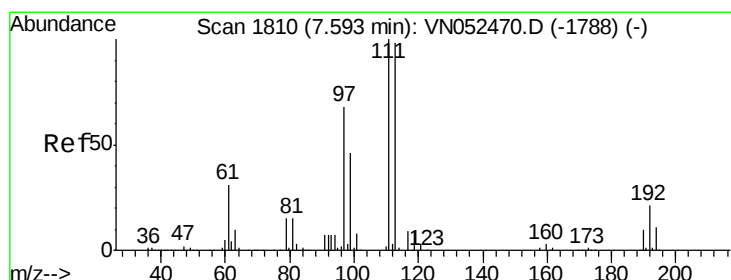
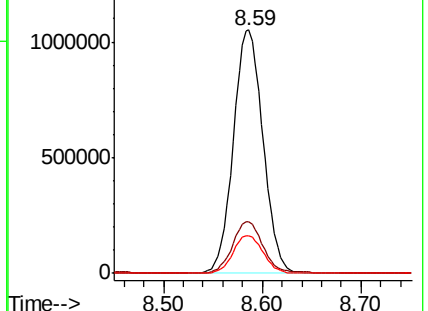
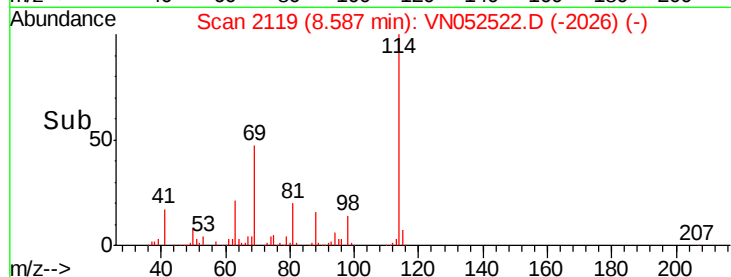
88 15.6 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#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

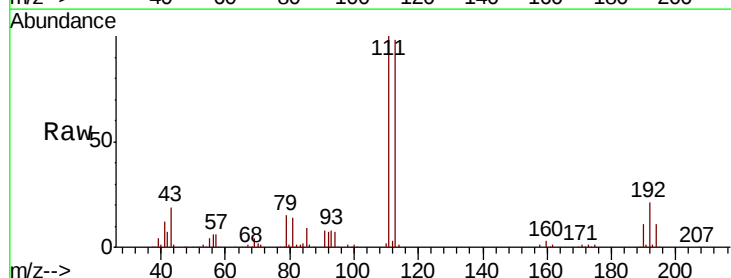
Tgt Ion:113 Resp: 656200

Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

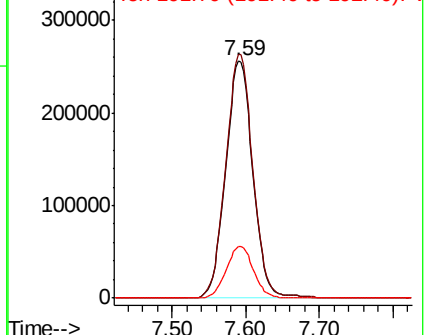
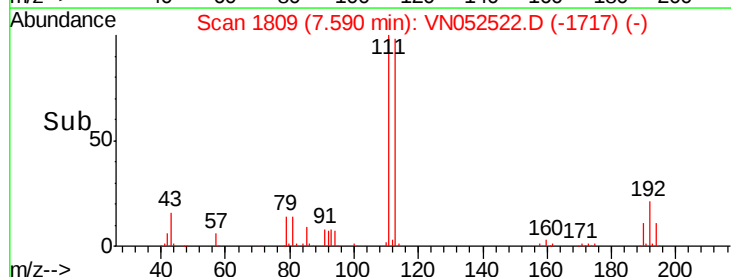
192 21.9 17.0 25.6

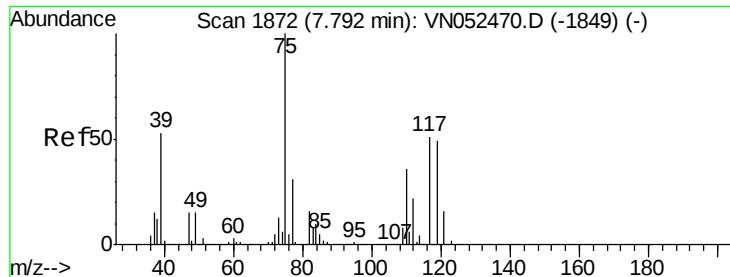


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.105 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

Instrument :

MSVOA_N

ClientSampled :

OILY-SOIL

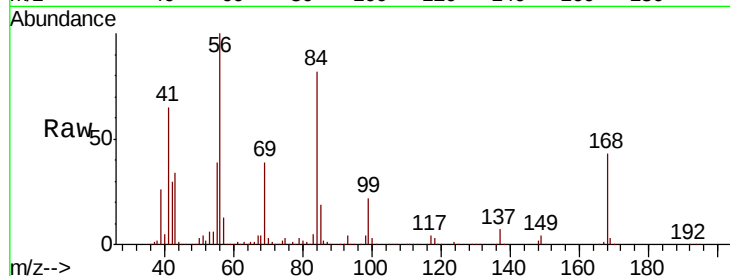
Tot Ion: 75 Resp: 105843

Ion Ratio Lower Upper

75 100

110 8.2 17.5 52.6#

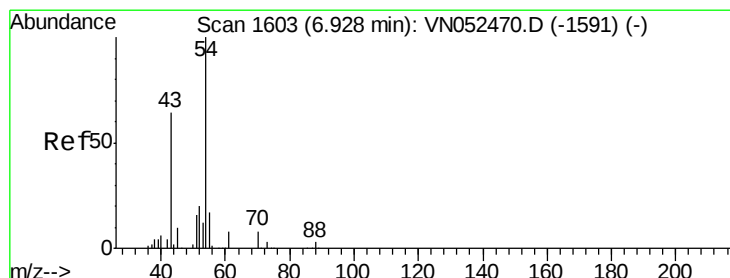
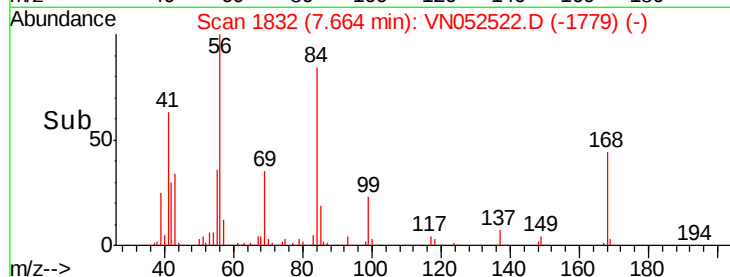
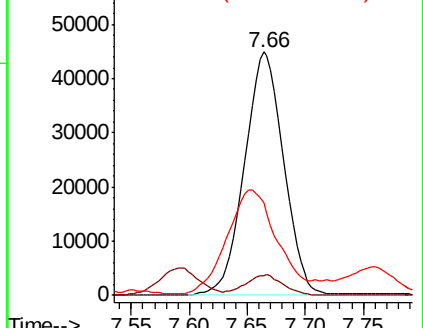
77 54.2 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 4.533 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.10 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

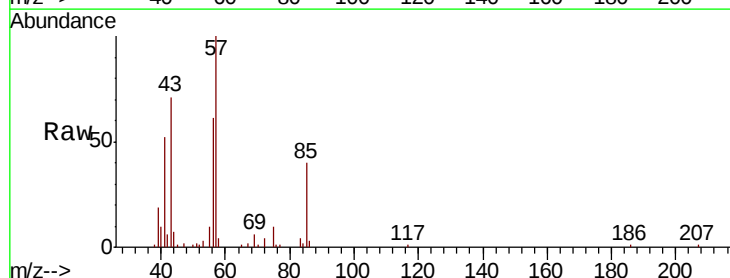
Tgt Ion: 43 Resp: 57356

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.8#

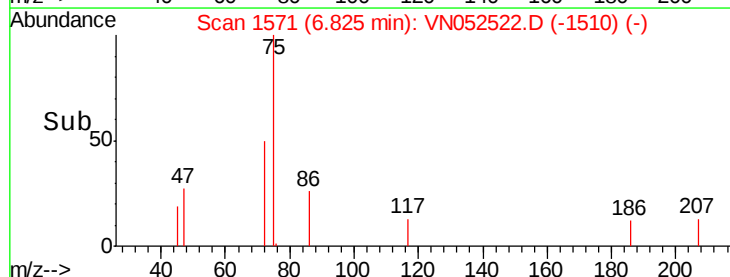
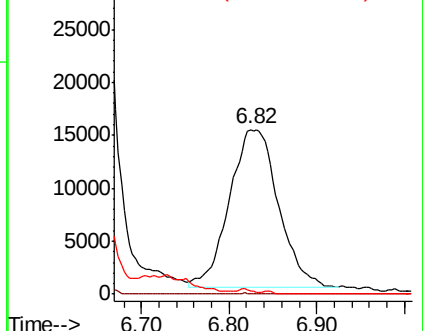
70 0.0 7.8 11.8#

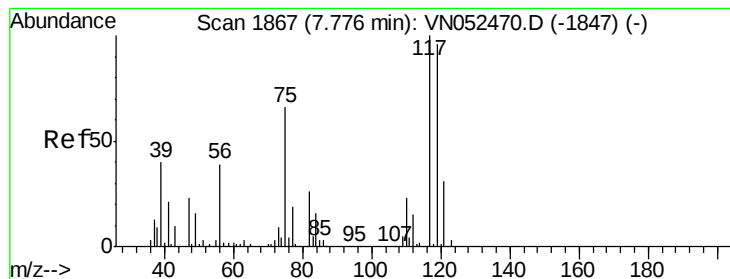


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0

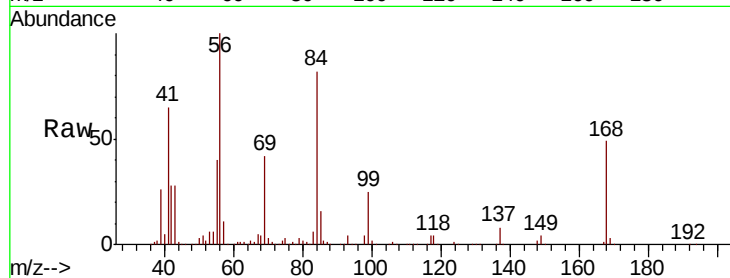




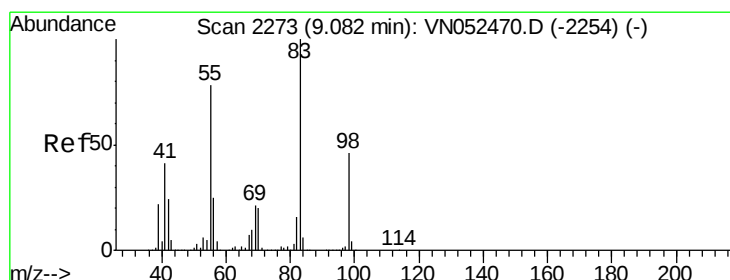
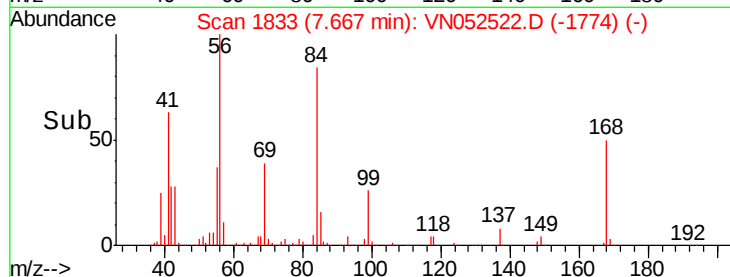
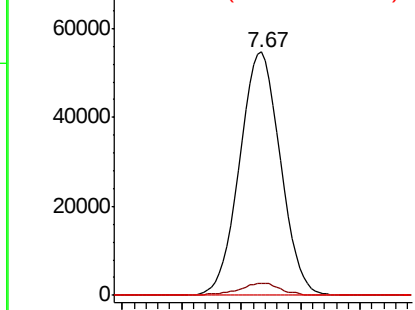
#38
Carbon Tetrachloride
Concen: 6.922 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052522.D
Acq: 28 Nov 2018 16:22

Instrument :
MSVOA_N
ClientSampled :
OILY-SOIL

Tot Ion:117 Resp: 129927
Ion Ratio Lower Upper
117 100
119 5.0 76.8 115.2#
121 0.0 24.9 37.3#

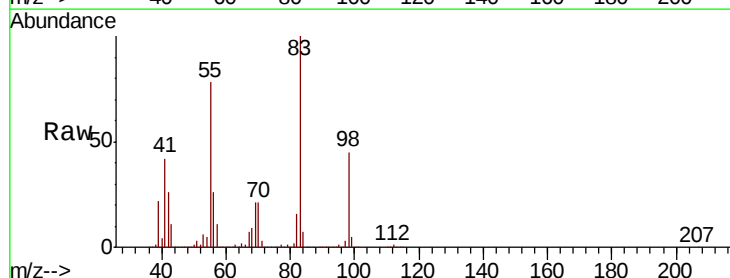


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

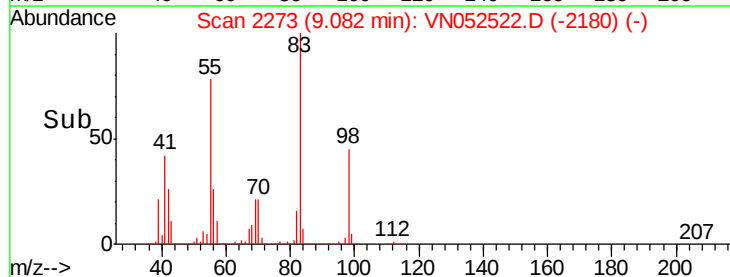
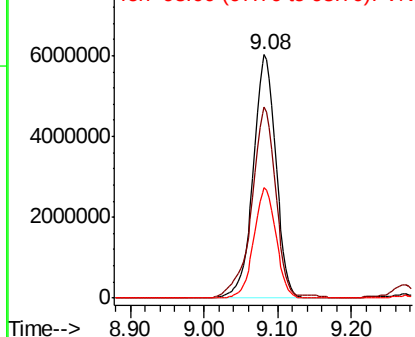


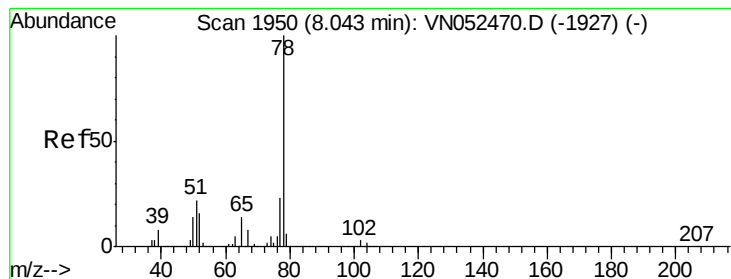
#39
Methylcyclohexane
Concen: 511.005 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052522.D
Acq: 28 Nov 2018 16:22

Tgt Ion: 83 Resp:12877702
Ion Ratio Lower Upper
83 100
55 78.3 62.2 93.2
98 45.2 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: 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 :

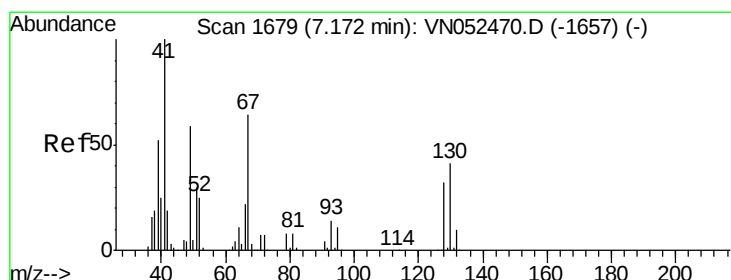
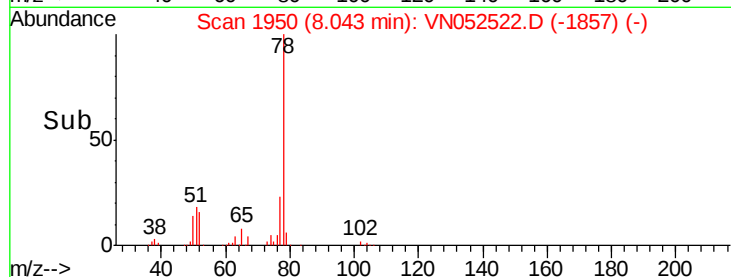
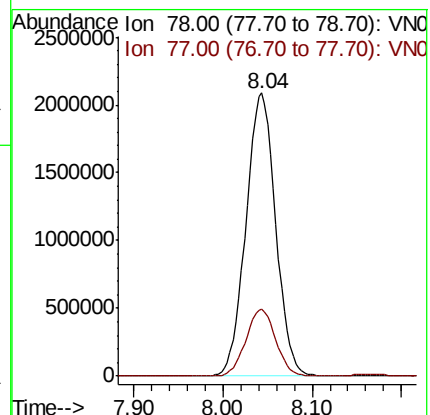
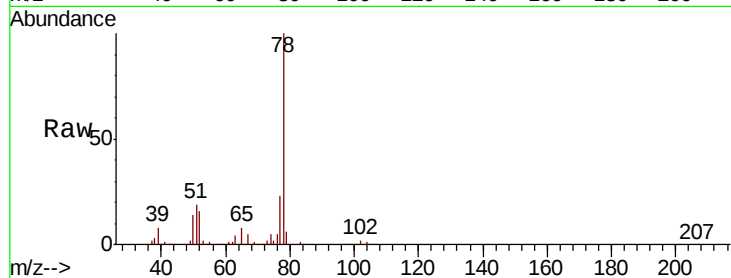
OILY-SOIL

Tot Ion: 78 Resp: 4836056

Ion Ratio Lower Upper

78 100

77 23.4 18.8 28.2



#41

Methacrylonitrile

Concen: 12.928 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.04 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

Tgt Ion: 41 Resp: 89436

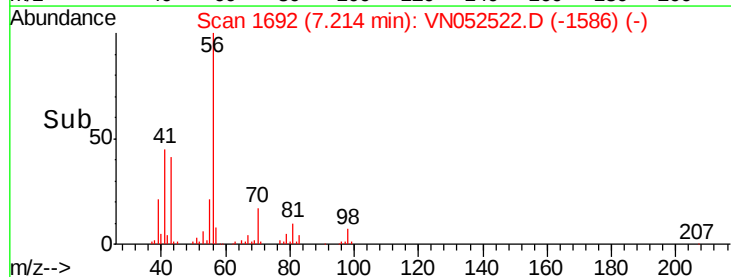
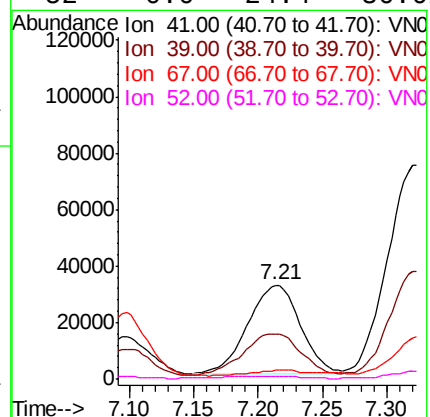
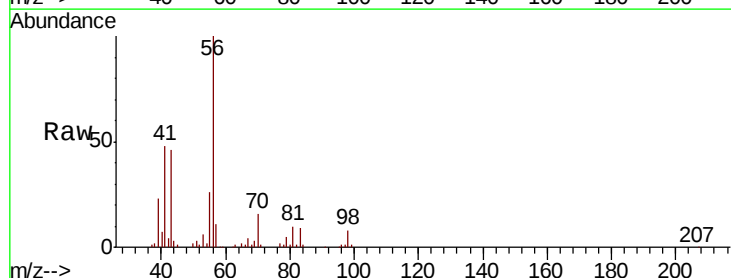
Ion Ratio Lower Upper

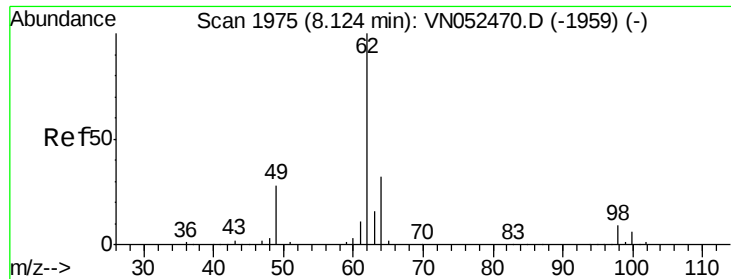
41 100

39 50.3 50.9 76.3#

67 0.0 63.6 95.4#

52 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 3.287 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

Instrument :

MSVOA_N

ClientSampled :

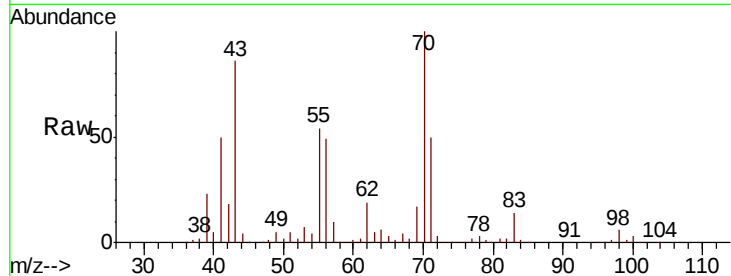
OILY-SOIL

Tot Ion: 62 Resp: 61504

Ion Ratio Lower Upper

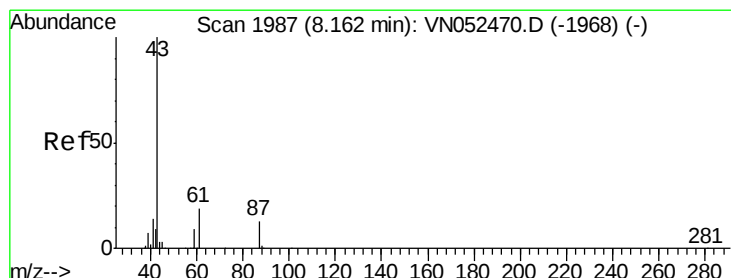
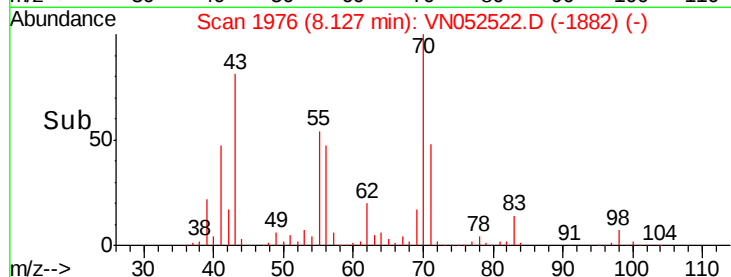
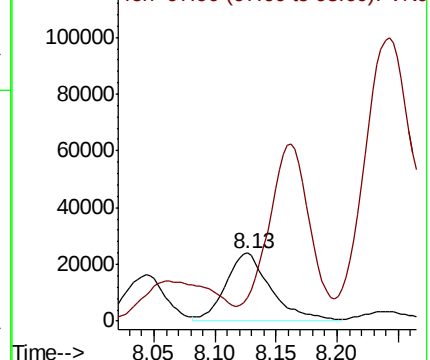
62 100

98 0.0 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#43

Isopropyl Acetate

Concen: 26.292 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.01 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

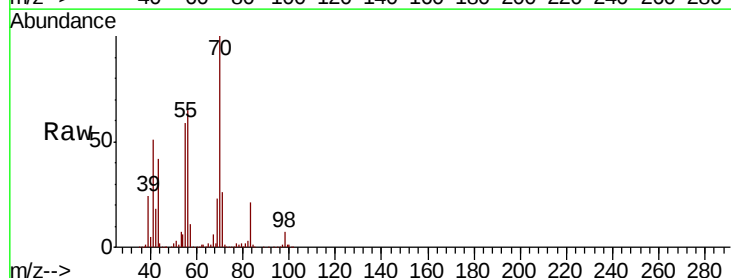
Tgt Ion: 43 Resp: 563013

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

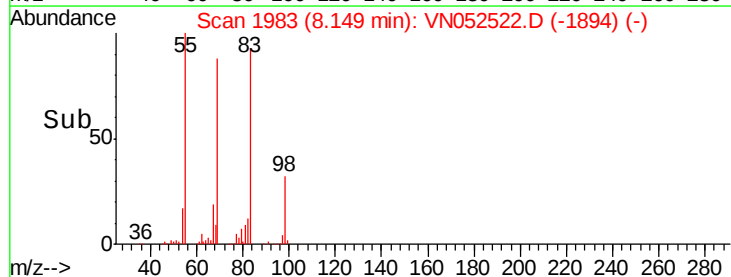
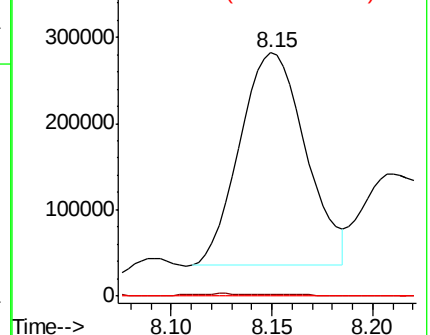
87 0.0 10.6 15.8#

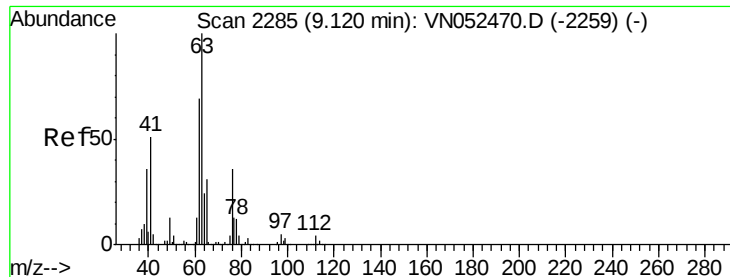


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#45

1,2-Dichloropropane

Concen: 0.275 ug/l

RT: 9.15 min Scan# 2293

Delta R.T. 0.03 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

Instrument :

MSVOA_N

ClientSampled :

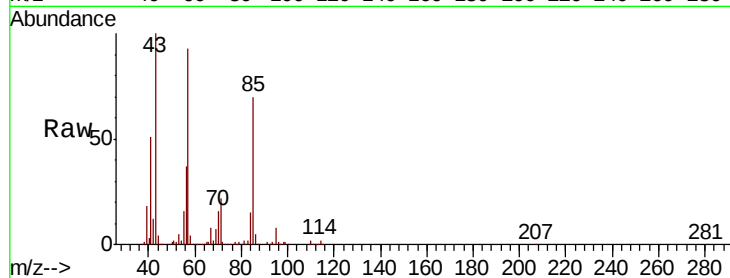
OILY-SOIL

Tot Ion: 63 Resp: 4518

Ion Ratio Lower Upper

63 100

65 245.7 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

50000

40000

30000

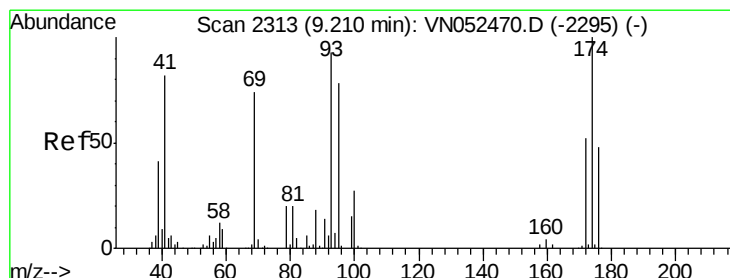
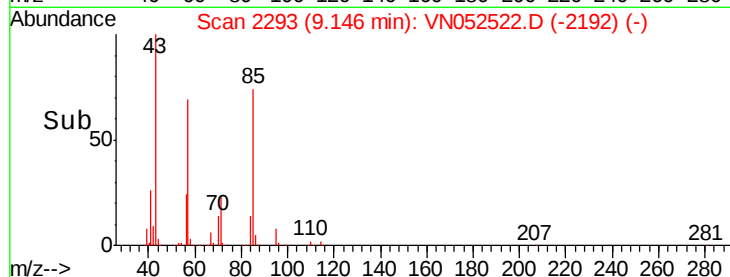
20000

10000

0

9.10 9.15 9.20

Time-->



#46

Dibromomethane

Concen: 0.578 ug/l

RT: 9.23 min Scan# 2318

Delta R.T. 0.02 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

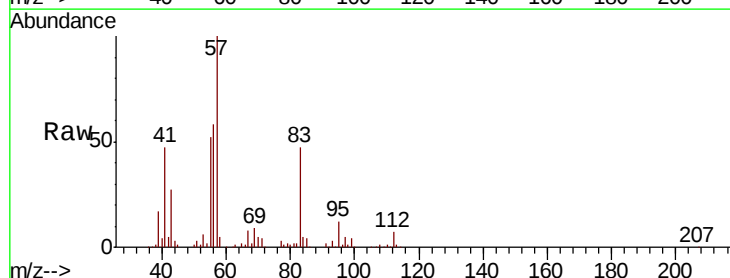
Tgt Ion: 93 Resp: 5254

Ion Ratio Lower Upper

93 100

95 390.3 67.1 100.7#

174 0.0 85.8 128.8#



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

60000

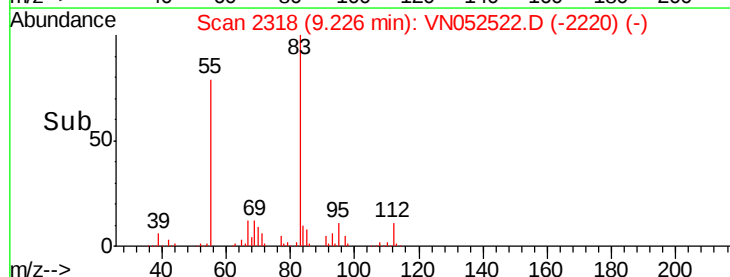
40000

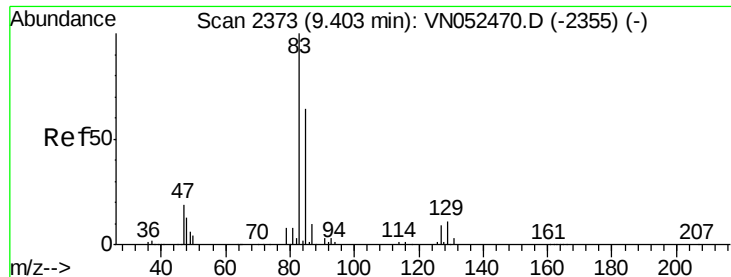
20000

0

9.20 9.23 9.25

Time-->





#47

Bromodichloromethane

Concen: 34.294 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.02 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOIL

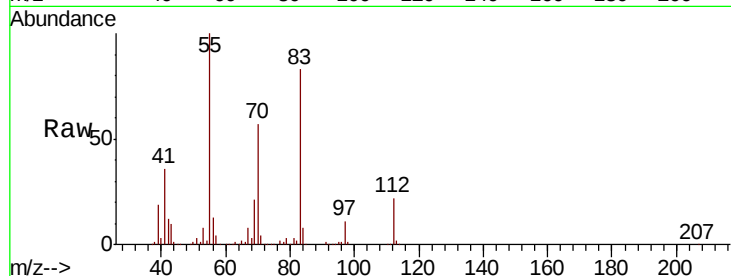
Tot Ion: 83 Resp: 678068

Ion Ratio Lower Upper

83 100

85 0.3 51.3 76.9#

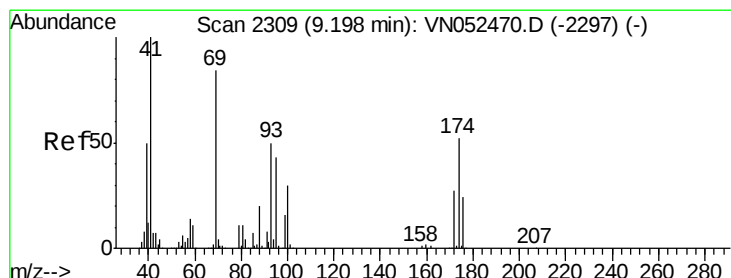
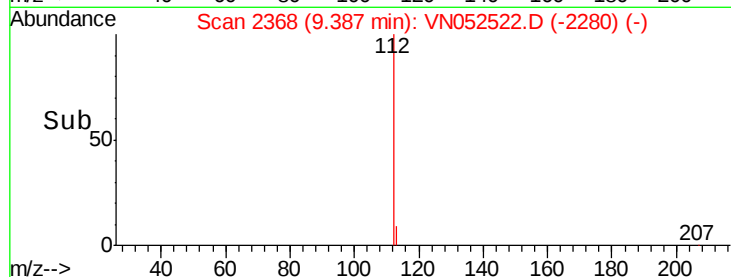
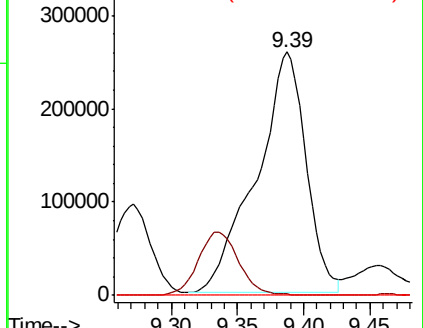
127 0.0 6.9 10.3#



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 126.80 (126.50 to 127.50): VNC



#48

Methyl methacrylate

Concen: 37.720 ug/l

RT: 9.14 min Scan# 2292

Delta R.T. -0.05 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

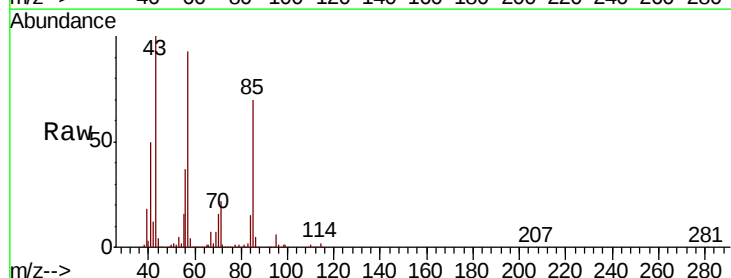
Tgt Ion: 41 Resp: 421171

Ion Ratio Lower Upper

41 100

69 0.0 70.0 105.0#

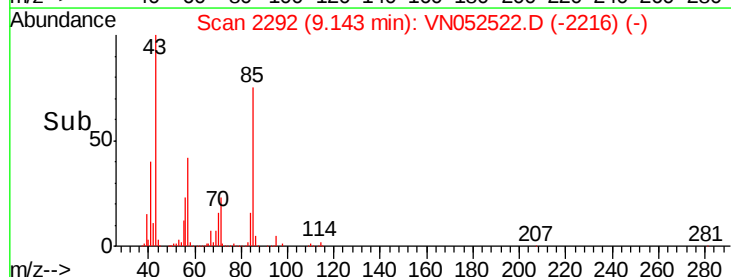
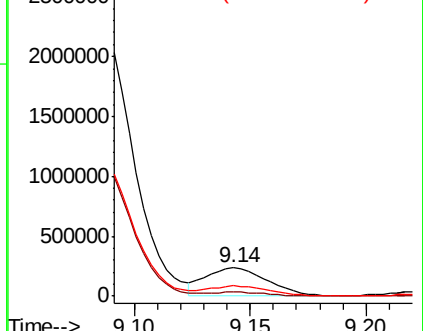
39 34.8 42.6 64.0#

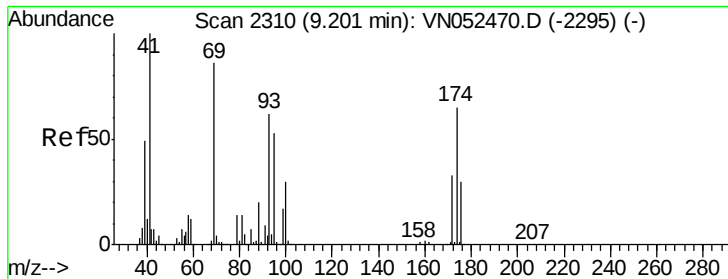


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#49

1,4-Dioxane

Concen: 0.526 ug/l

RT: 9.09 min Scan# 2276

Delta R.T. -0.11 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

Instrument :

MSVOA_N

ClientSampled :

OILY-SOIL

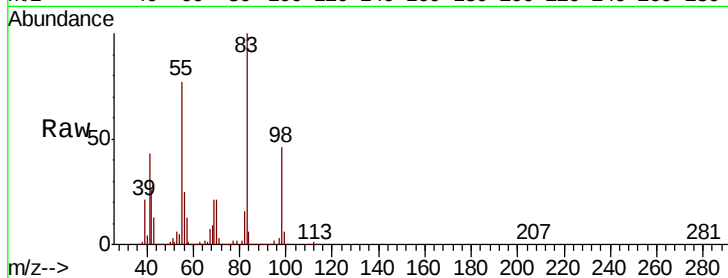
Tot Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 2628708.2 26.4 39.6#

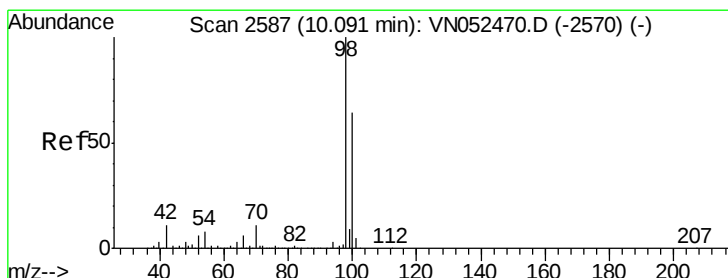
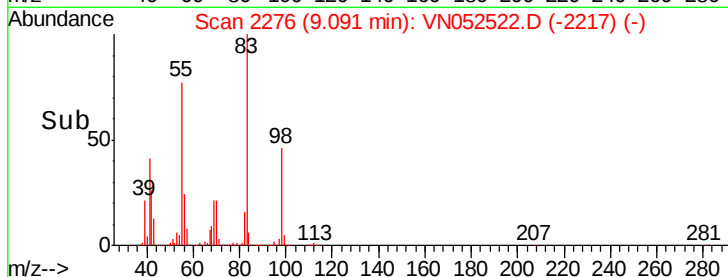
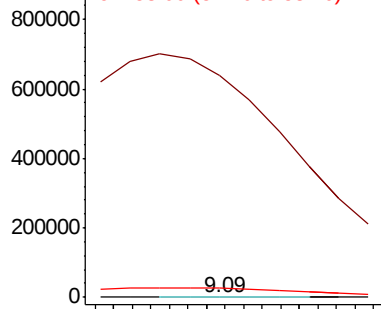
58 123850.8 55.4 83.0#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 0.526 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052522.D

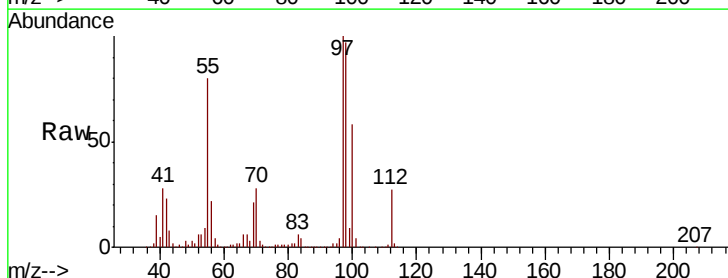
Acq: 28 Nov 2018 16:22

Tgt Ion: 98 Resp: 3017709

Ion Ratio Lower Upper

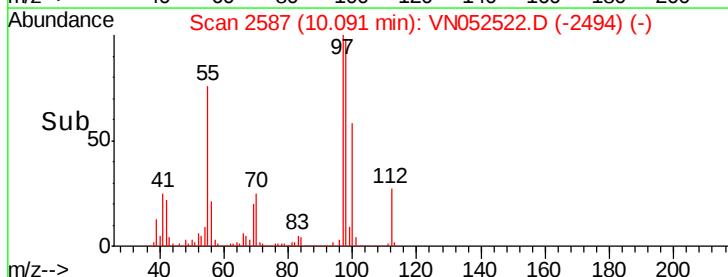
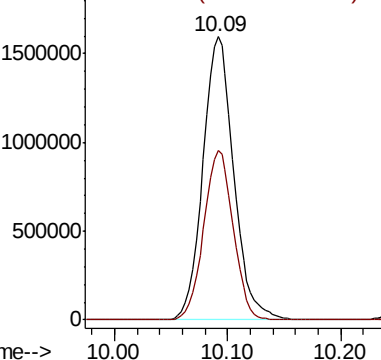
98 100

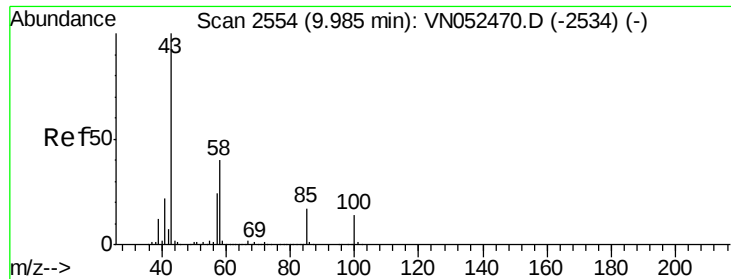
100 57.3 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 19.017 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.10 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

Instrument :

MSVOA_N

ClientSampled :

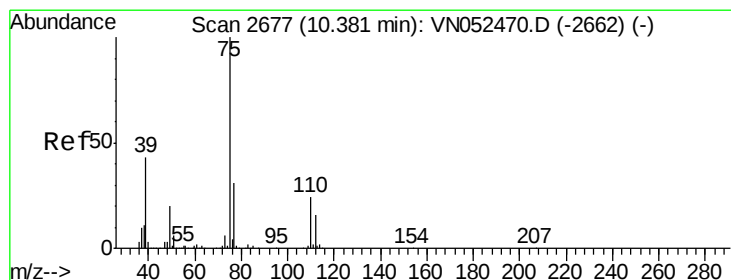
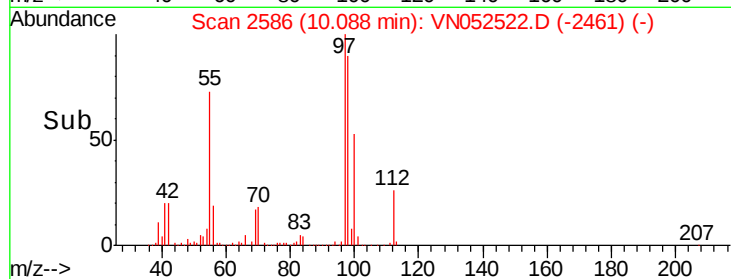
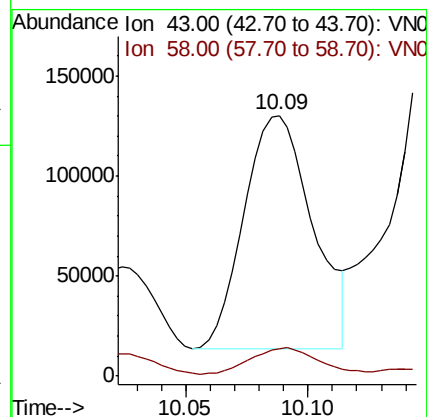
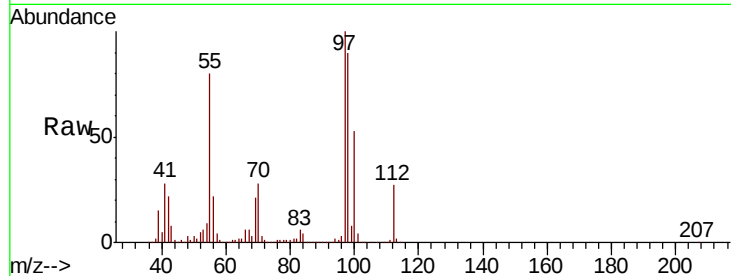
OILY-SOIL

Tot Ion: 43 Resp: 228477

Ion Ratio Lower Upper

43 100

58 10.8 31.5 47.3#



#53

t-1,3-Dichloropropene

Concen: 17.892 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.23 min

Lab File: VN052522.D

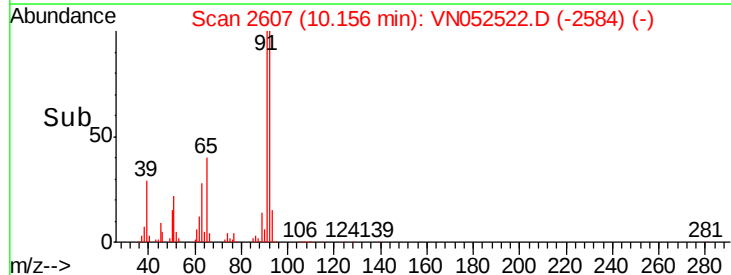
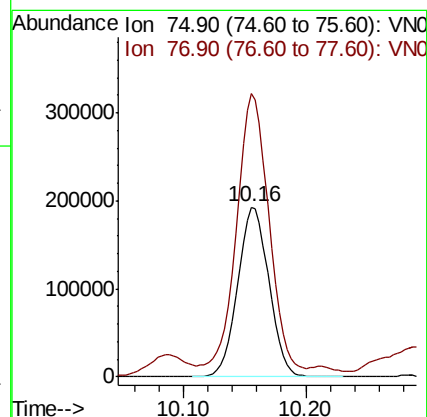
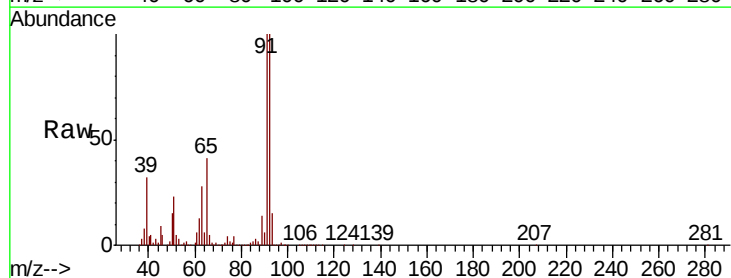
Acq: 28 Nov 2018 16:22

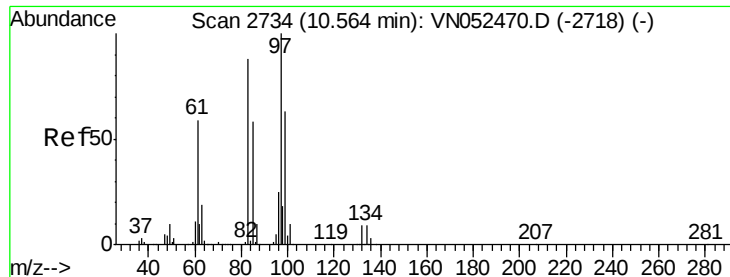
Tgt Ion: 75 Resp: 340328

Ion Ratio Lower Upper

75 100

77 163.8 25.0 37.4#

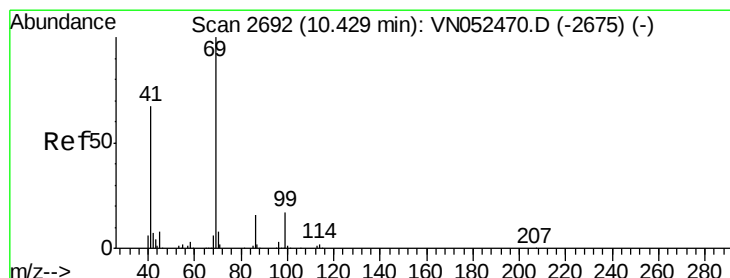
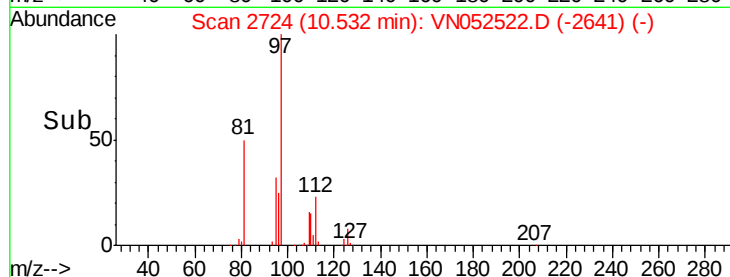
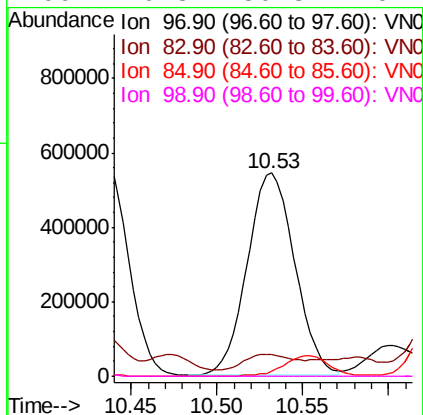
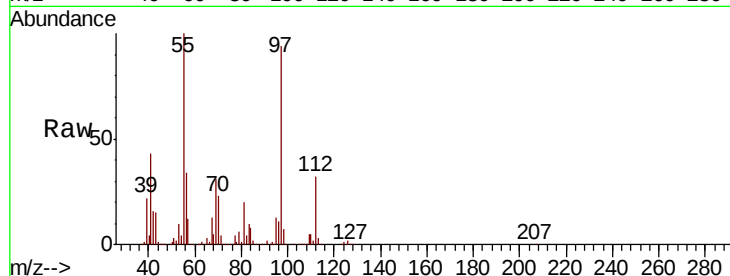




#55
 1,1,2-Trichloroethane
 Concen: 80.220 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.03 min
 Lab File: VN052522.D
 Acq: 28 Nov 2018 16:22

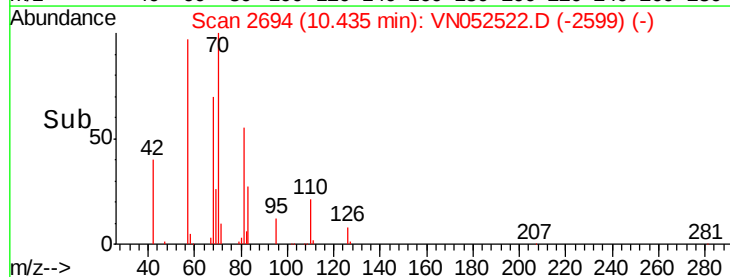
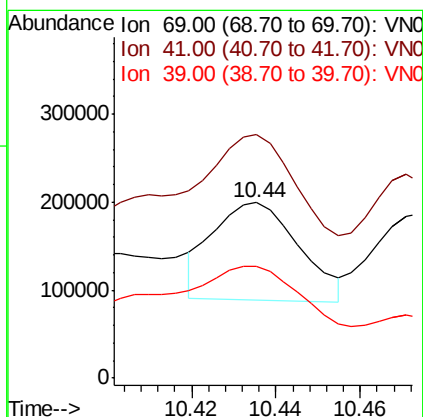
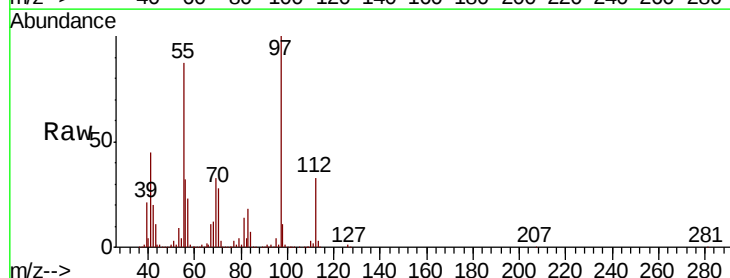
Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-SOIL

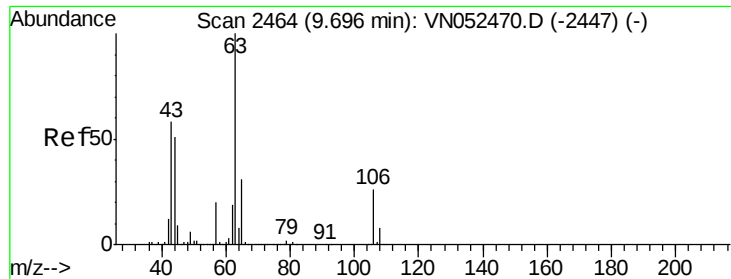
Tot Ion: 97 Resp: 1035923
 Ion Ratio Lower Upper
 97 100
 83 3.3 70.7 106.1#
 85 2.2 46.1 69.1#
 99 0.3 50.8 76.2#



#56
 Ethyl methacrylate
 Concen: 11.074 ug/l
 RT: 10.44 min Scan# 2694
 Delta R.T. 0.01 min
 Lab File: VN052522.D
 Acq: 28 Nov 2018 16:22

Tgt Ion: 69 Resp: 158835
 Ion Ratio Lower Upper
 69 100
 41 334.4 52.6 79.0#
 39 101.9 25.9 38.9#

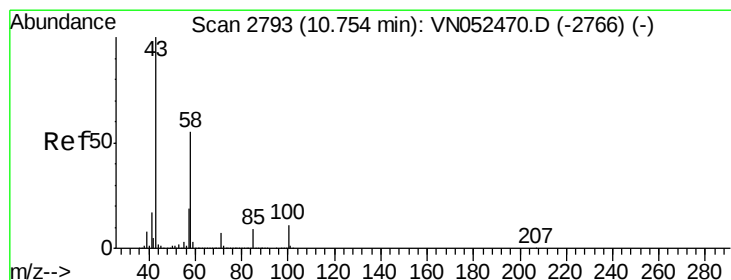
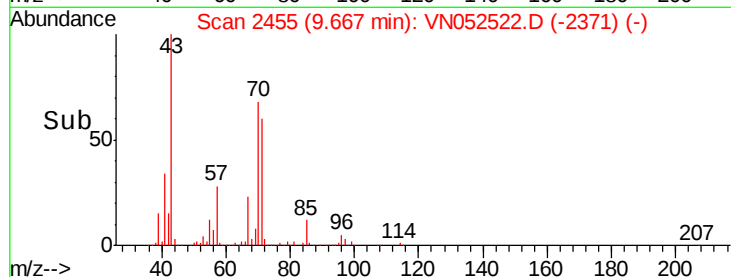
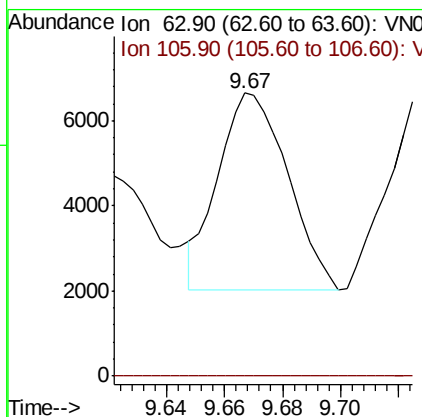
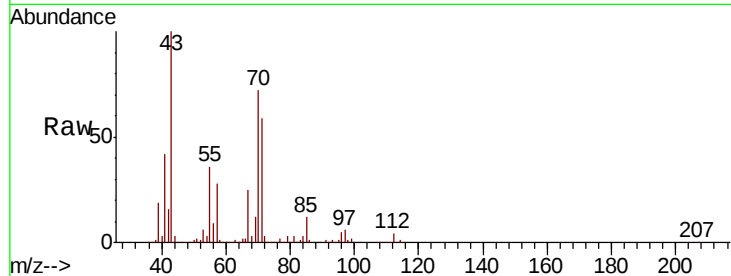




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.822 ug/l
 RT: 9.67 min Scan# 2455
 Delta R.T. -0.03 min
 Lab File: VN052522.D
 Acq: 28 Nov 2018 16:22

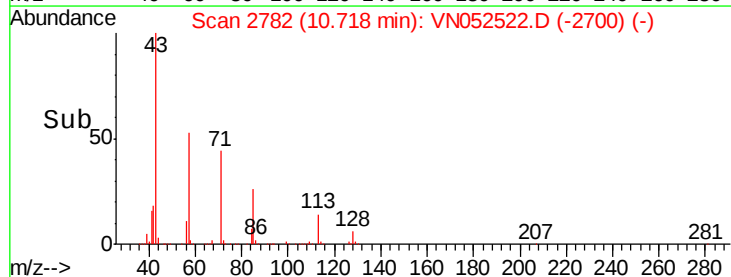
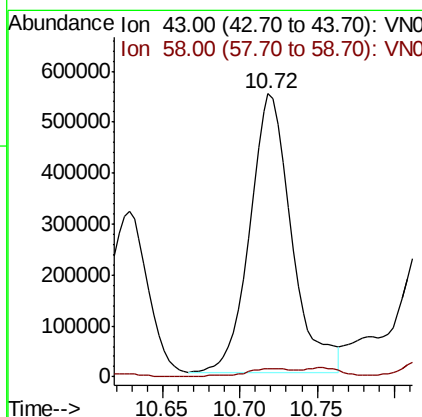
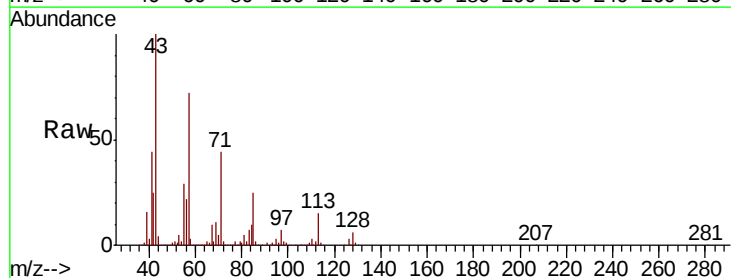
Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-SOIL

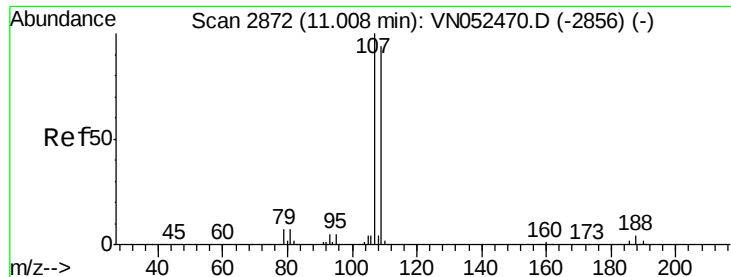
Tot Ion: 63 Resp: 7698
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.6 30.8#



#59
 2-Hexanone
 Concen: 127.338 ug/l
 RT: 10.72 min Scan# 2782
 Delta R.T. -0.04 min
 Lab File: VN052522.D
 Acq: 28 Nov 2018 16:22

Tgt Ion: 43 Resp: 1026800
 Ion Ratio Lower Upper
 43 100
 58 3.4 27.4 82.0#





#61

1,2-Dibromoethane

Concen: 0.206 ug/l

RT: 10.98 min Scan# 2864

Delta R.T. -0.03 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

Instrument :

MSVOA_N

ClientSampled :

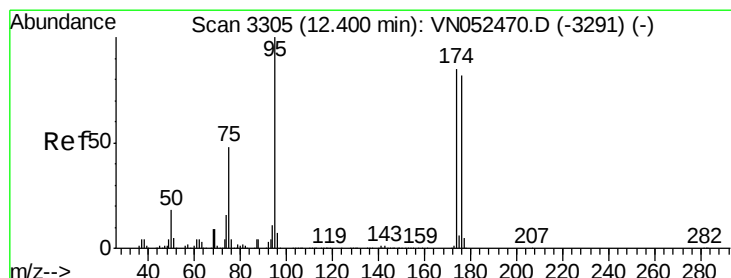
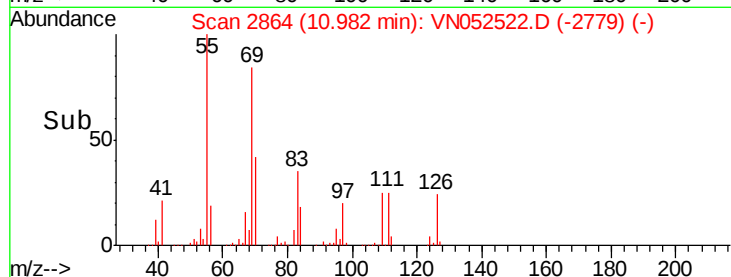
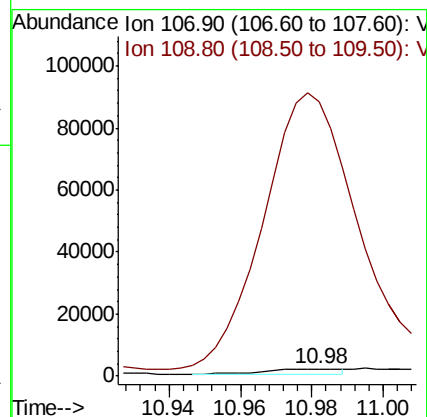
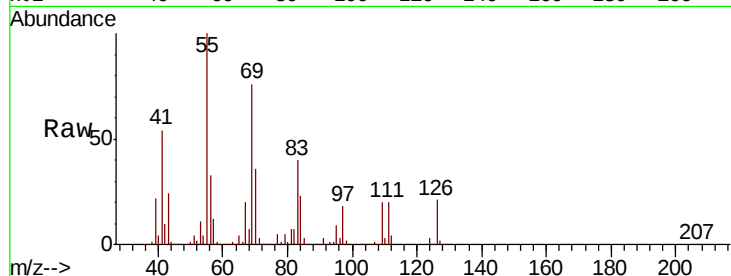
OILY-SOIL

Tot Ion:107 Resp: 2637

Ion Ratio Lower Upper

107 100

109 6565.8 75.6 113.4#



#62

4-Bromofluorobenzene

Concen: 0.206 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

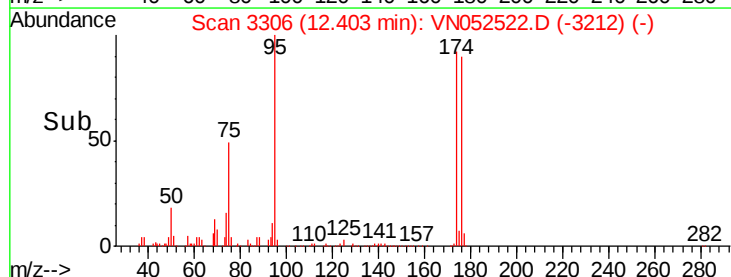
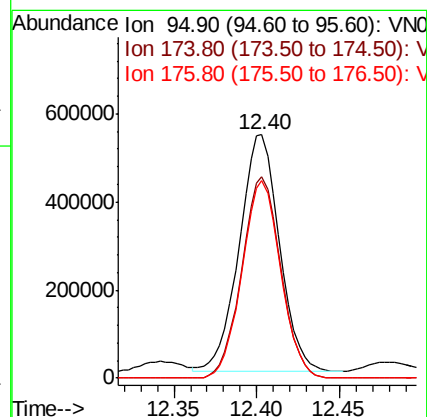
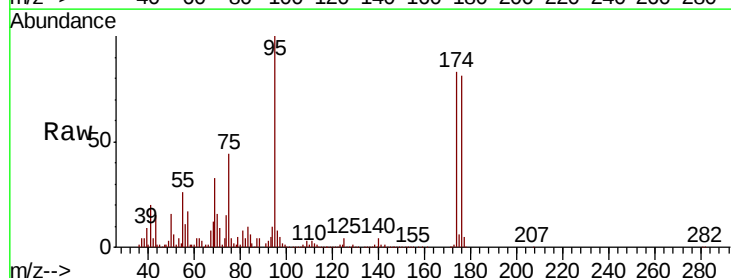
Tgt Ion: 95 Resp: 908636

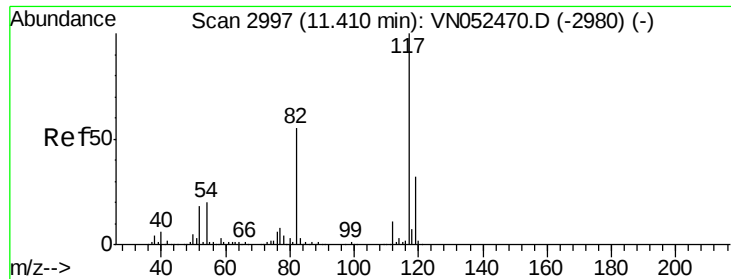
Ion Ratio Lower Upper

95 100

174 82.1 0.0 173.0

176 79.9 0.0 166.2

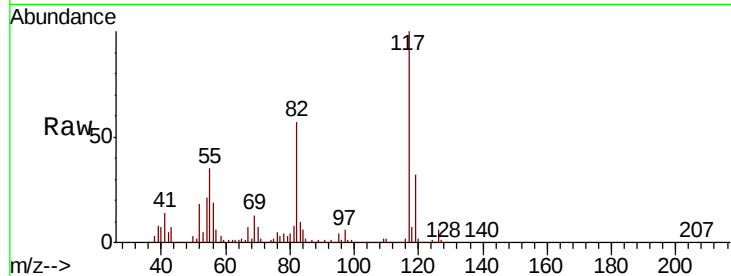




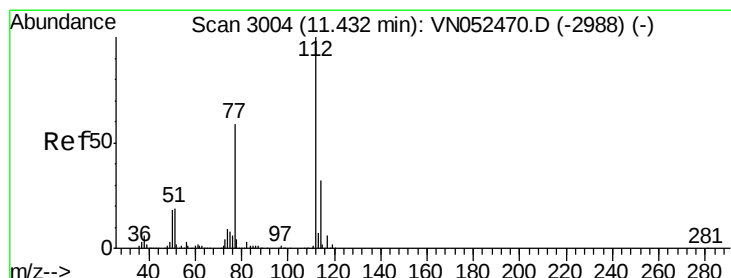
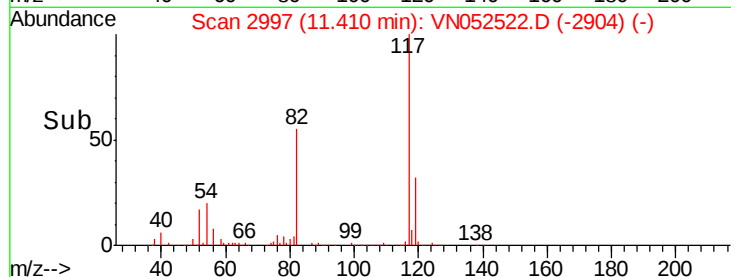
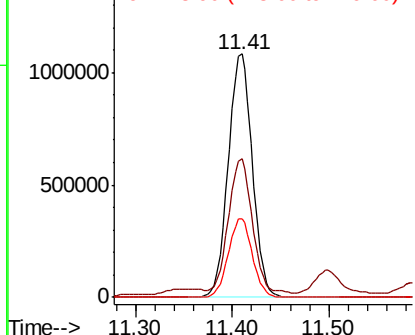
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052522.D
Acq: 28 Nov 2018 16:22

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOIL

Tot Ion:117 Resp: 1868576
Ion Ratio Lower Upper
117 100
82 53.7 43.6 65.4
119 32.5 25.4 38.2

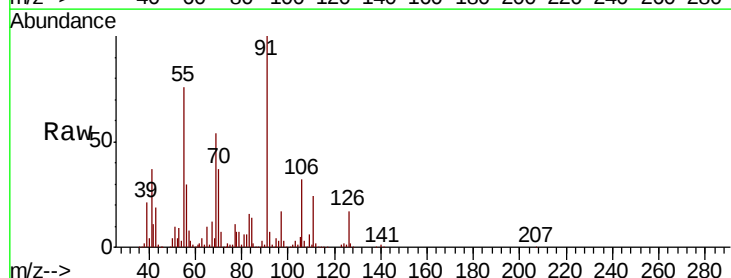


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

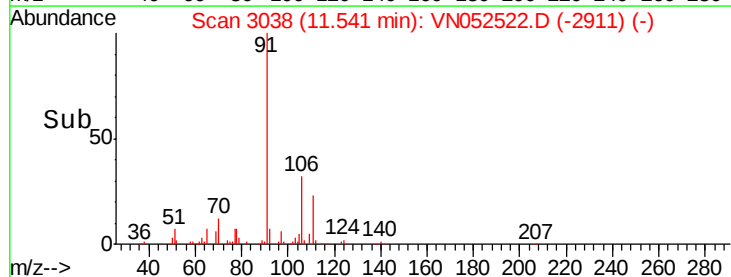
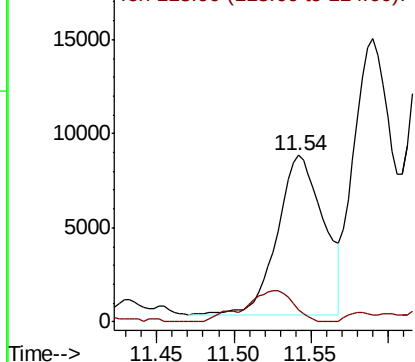


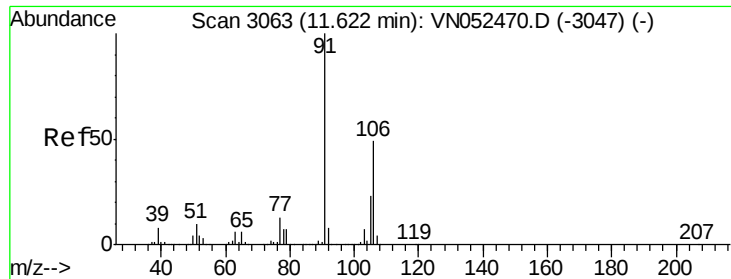
#65
Chlorobenzene
Concen: 0.455 ug/l
RT: 11.54 min Scan# 3038
Delta R.T. 0.11 min
Lab File: VN052522.D
Acq: 28 Nov 2018 16:22

Tgt Ion:112 Resp: 17542
Ion Ratio Lower Upper
112 100
114 7.9 25.8 38.6#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

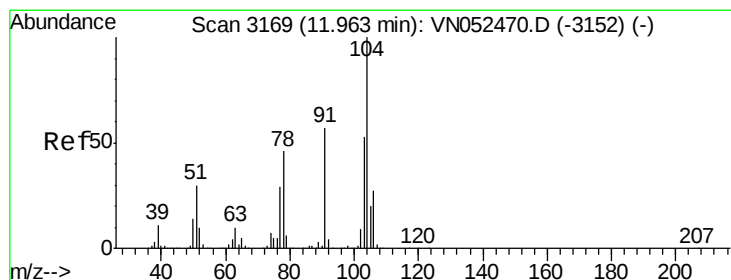
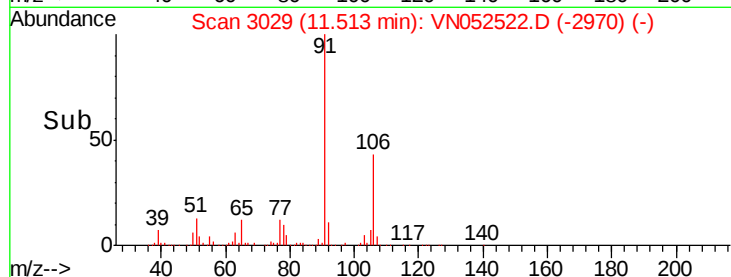
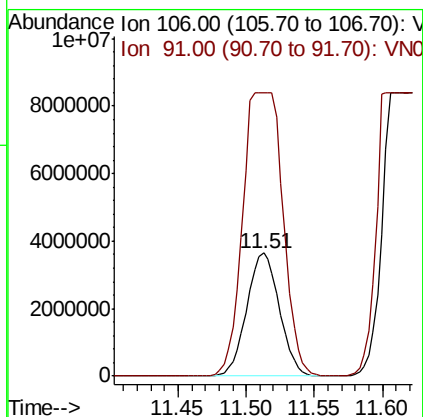
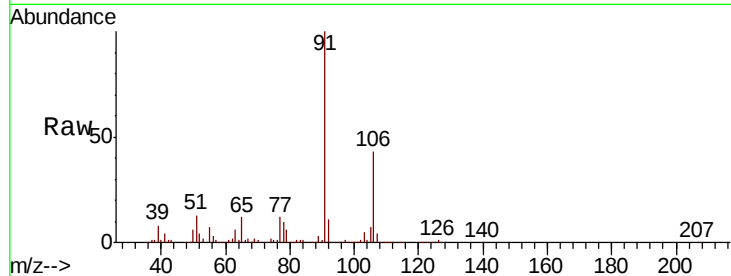




#68
m/p-Xylenes
Concen: 240.731 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.11 min
Lab File: VN052522.D
Acq: 28 Nov 2018 16:22

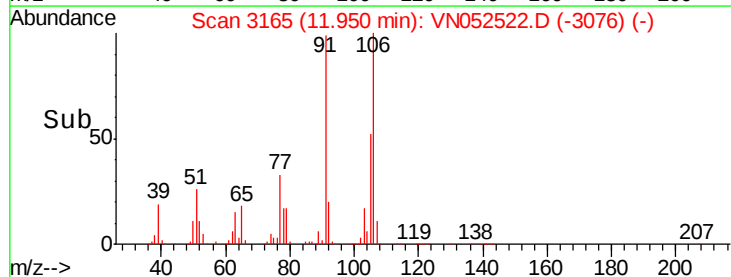
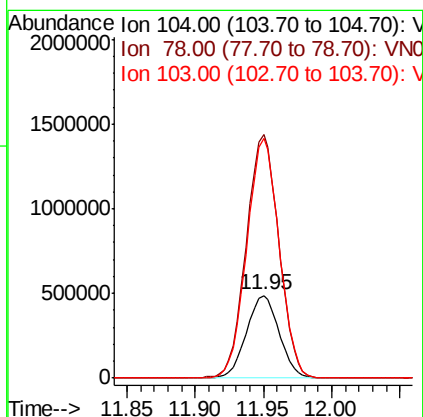
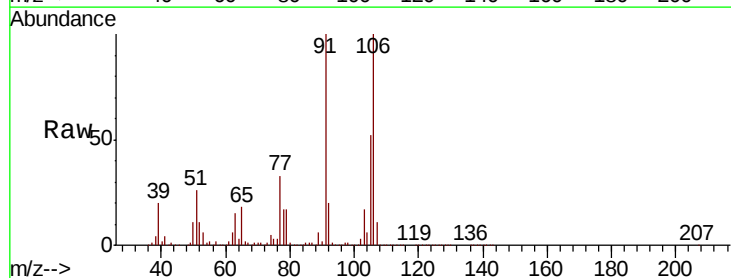
Instrument :
MSVOA_N
ClientSampled :
OILY-SOIL

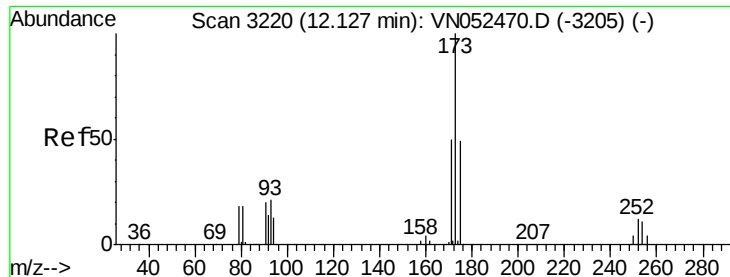
Tot Ion:106 Resp: 6046776
Ion Ratio Lower Upper
106 100
91 0.0 163.2 244.8#



#70
Styrene
Concen: 20.910 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.01 min
Lab File: VN052522.D
Acq: 28 Nov 2018 16:22

Tgt Ion:104 Resp: 812375
Ion Ratio Lower Upper
104 100
78 293.7 39.4 59.2#
103 286.8 44.9 67.3#





#71

Bromoform

Concen: 0.605 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOIL

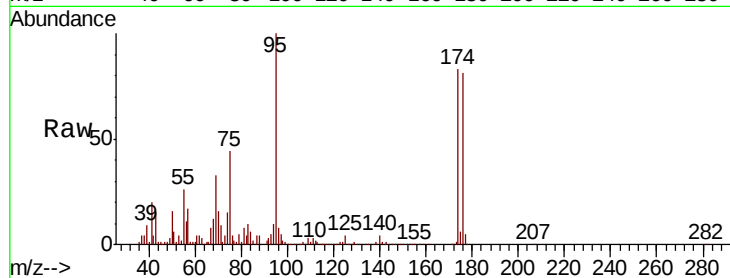
Tot Ion:173 Resp: 5364

Ion Ratio Lower Upper

173 100

175 875.0 24.4 73.2#

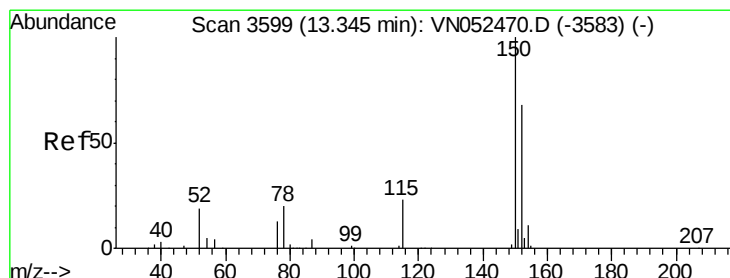
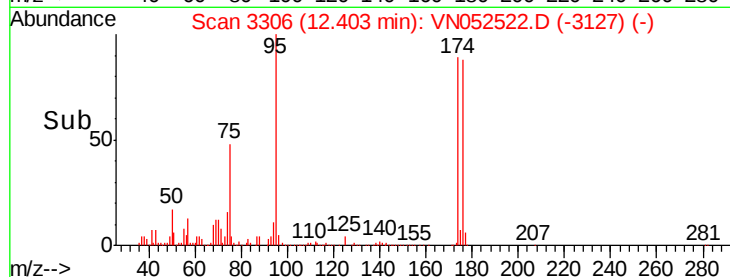
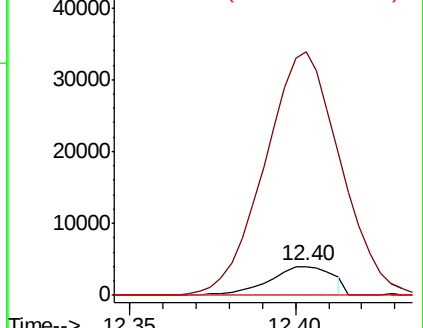
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#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

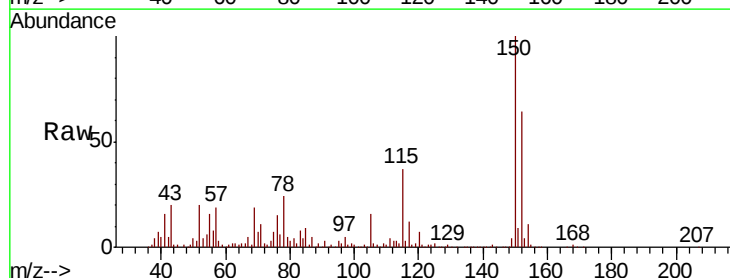
Tgt Ion:152 Resp: 844155

Ion Ratio Lower Upper

152 100

115 53.0 28.4 85.2

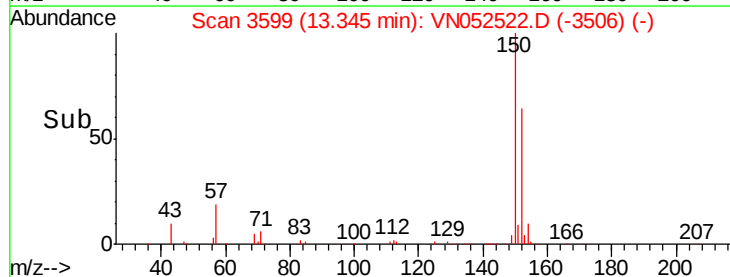
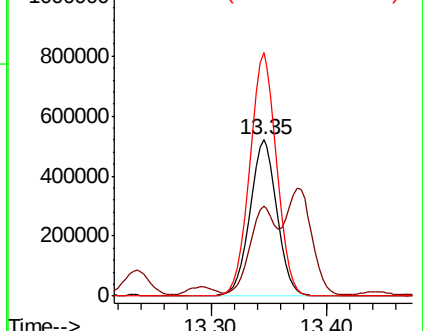
150 154.9 0.0 346.0

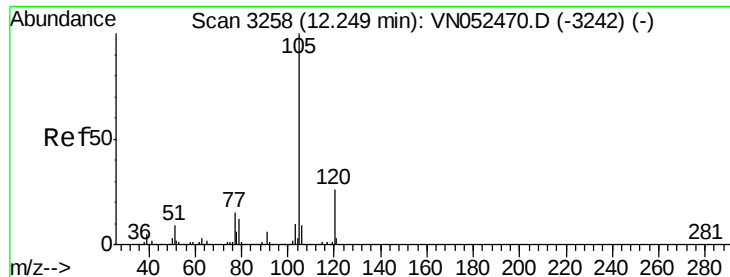


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 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

Instrument :

MSVOA_N

ClientSampled :

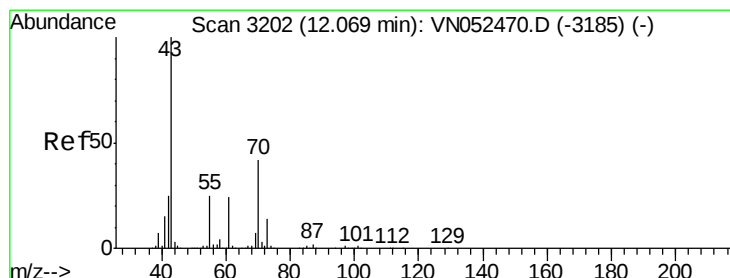
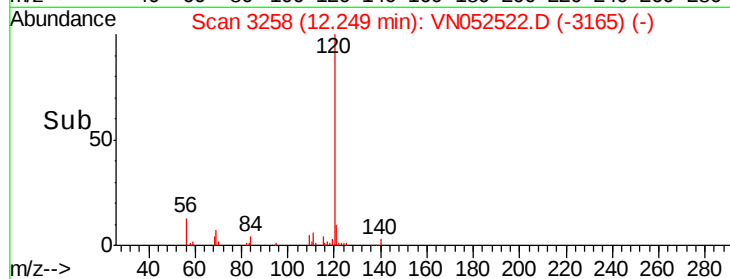
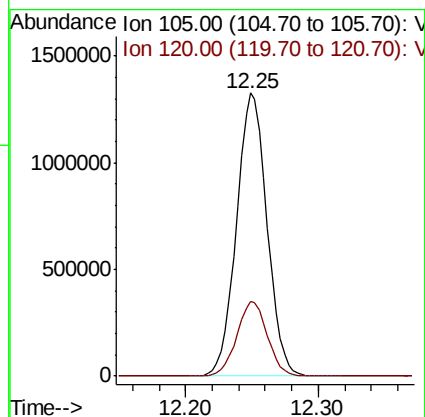
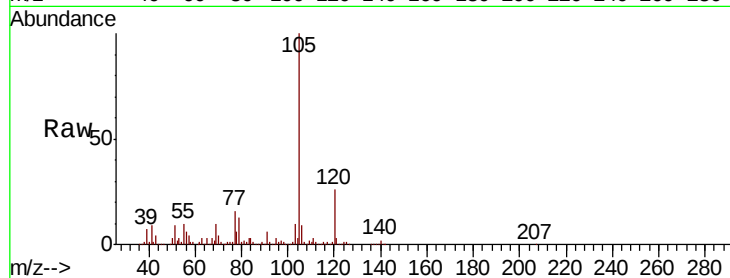
OILY-SOIL

Tot Ion:105 Resp: 2103492

Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.3



#74

N-ethyl acetate

Concen: 22.758 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

Tgt Ion: 43 Resp: 380790

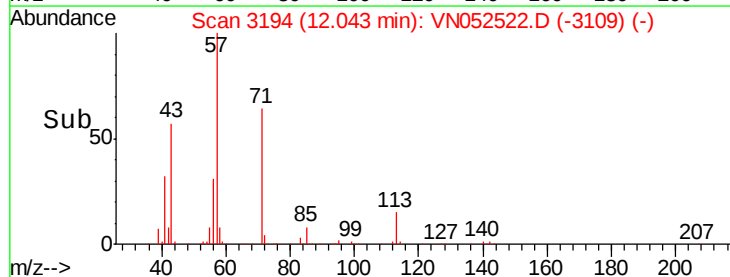
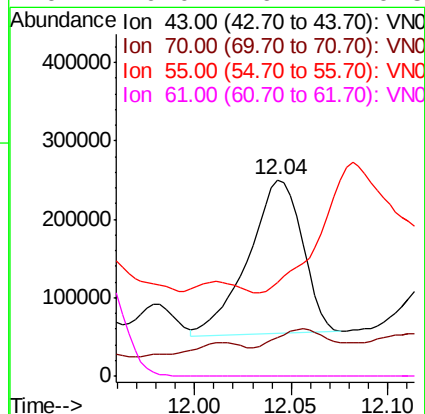
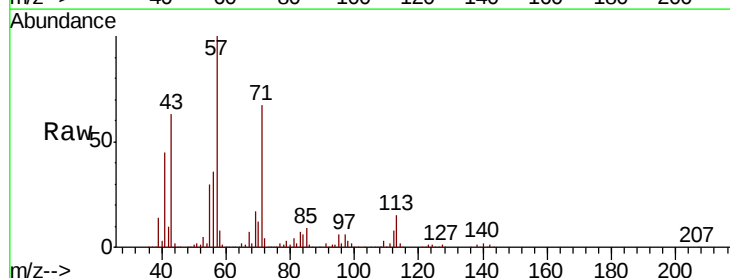
Ion Ratio Lower Upper

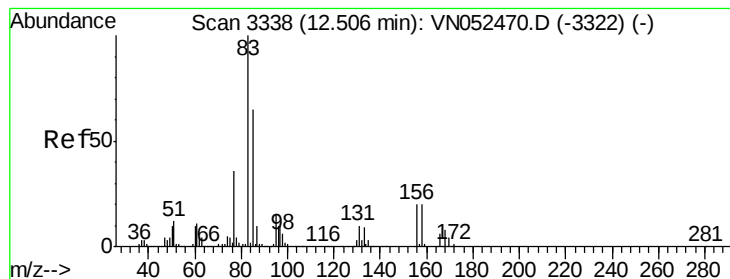
43 100

70 10.3 33.8 50.8#

55 0.0 20.0 30.0#

61 0.0 19.7 29.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.511 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.01 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOIL

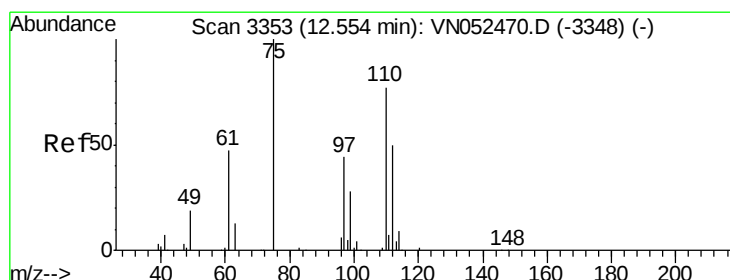
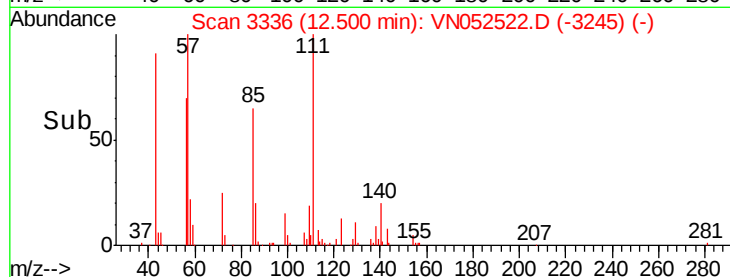
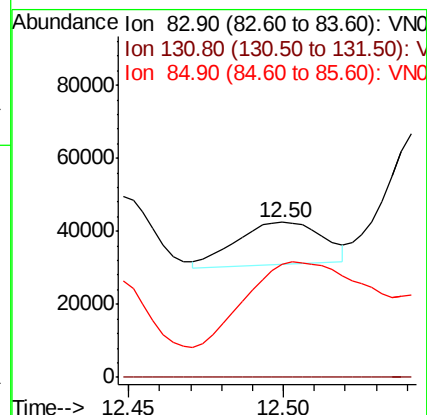
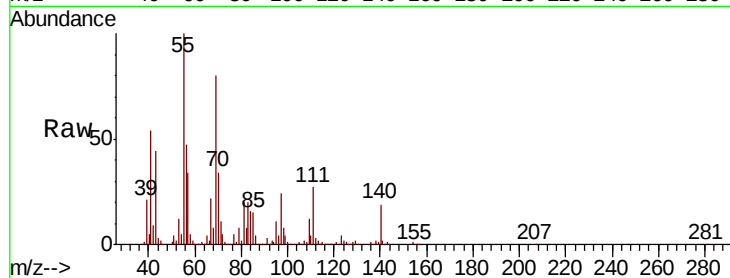
Tot Ion: 83 Resp: 22771

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 274.9 31.9 95.9#



#76

1,2,3-Trichloropropane

Concen: 3.794 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.04 min

Lab File: VN052522.D

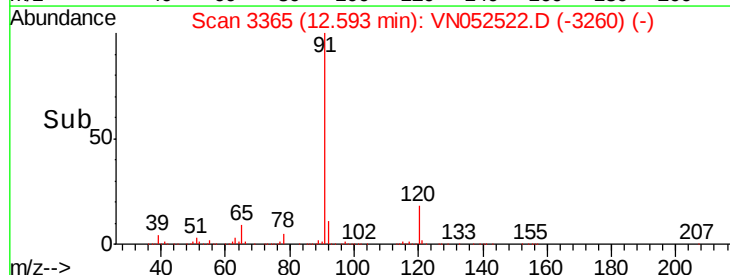
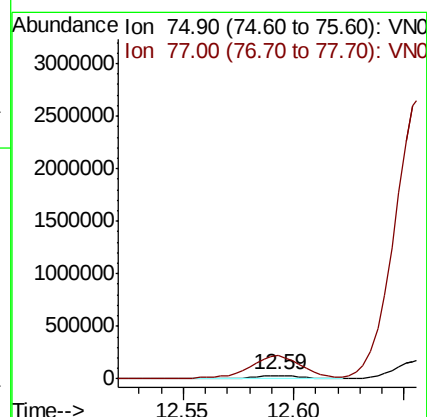
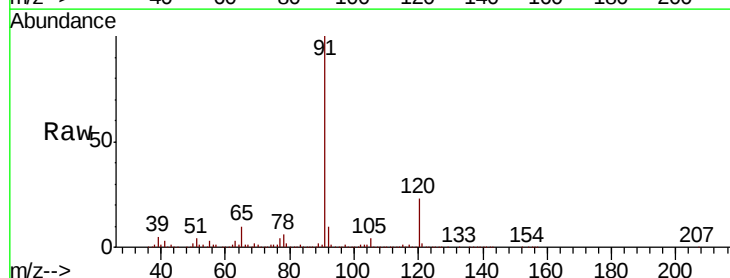
Acq: 28 Nov 2018 16:22

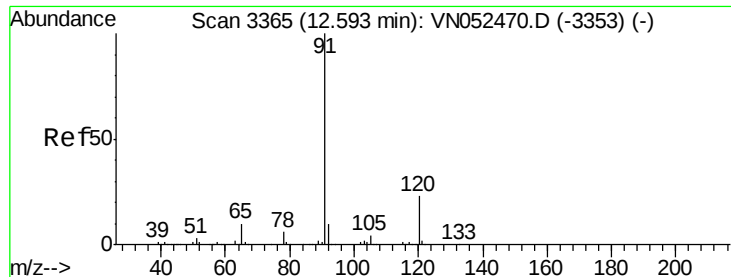
Tgt Ion: 75 Resp: 49393

Ion Ratio Lower Upper

75 100

77 678.5 0.0 0.0#





#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 :

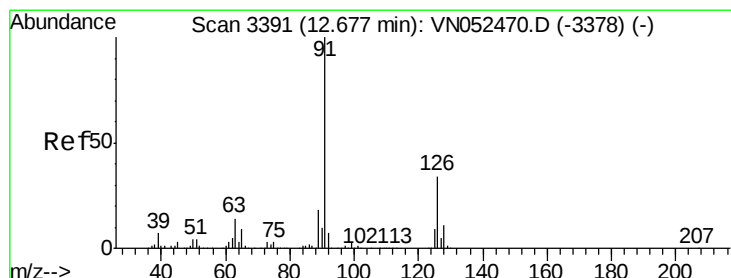
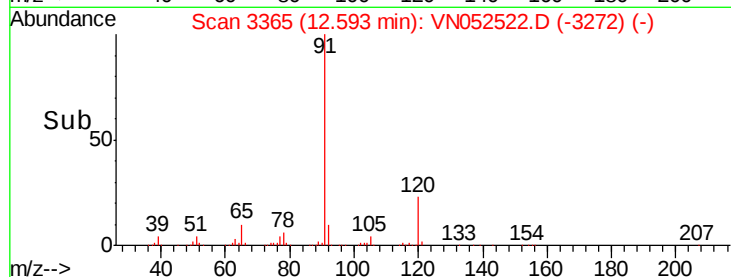
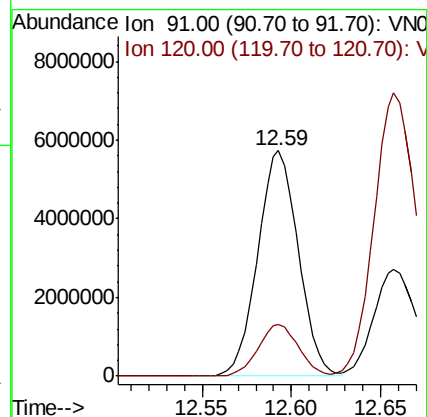
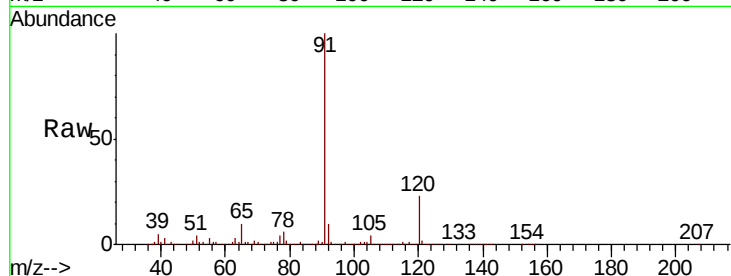
OILY-SOIL

Tot Ion: 91 Resp: 9103508

Ion Ratio Lower Upper

91 100

120 22.9 11.3 33.9



#79

2-Chlorotoluene

Concen: 96.854 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN052522.D

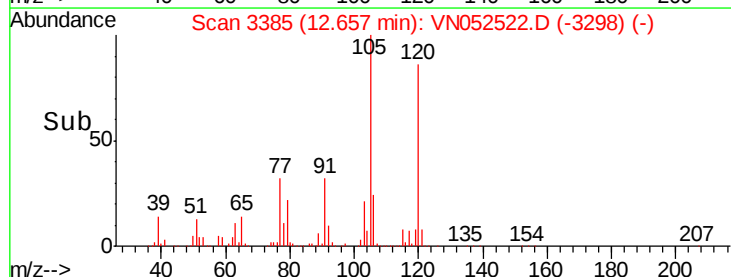
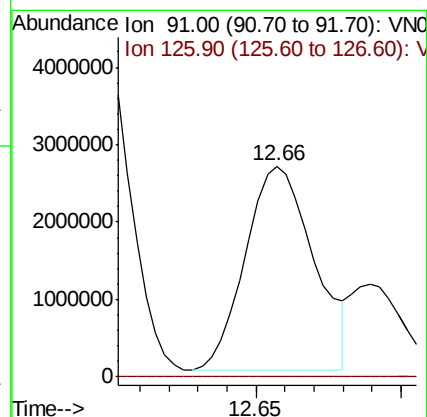
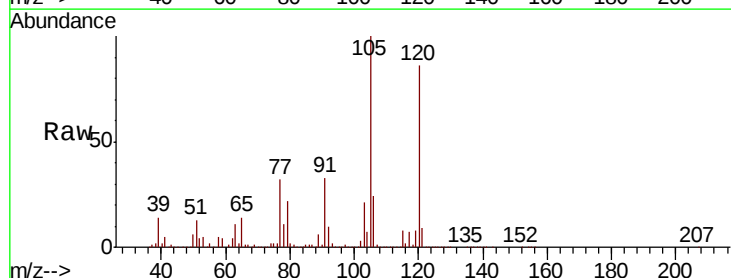
Acq: 28 Nov 2018 16:22

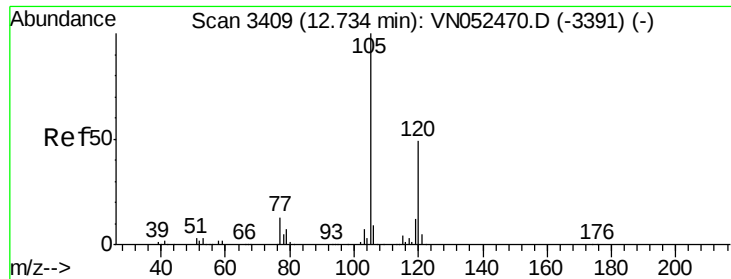
Tgt Ion: 91 Resp: 4339595

Ion Ratio Lower Upper

91 100

126 0.7 17.2 51.6#





#80

1,3,5-Trimethylbenzene

Concen: 248.601 ug/l

RT: 12.89 min Scan# 3458

Delta R.T. 0.16 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

Instrument :

MSVOA_N

ClientSampled :

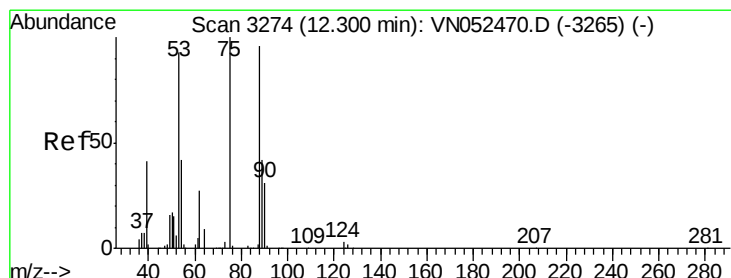
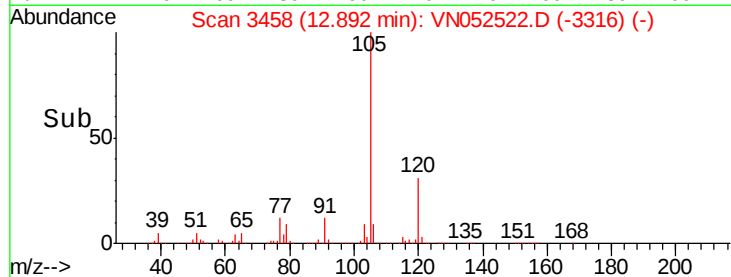
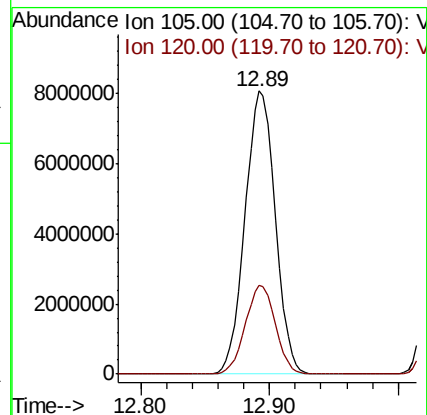
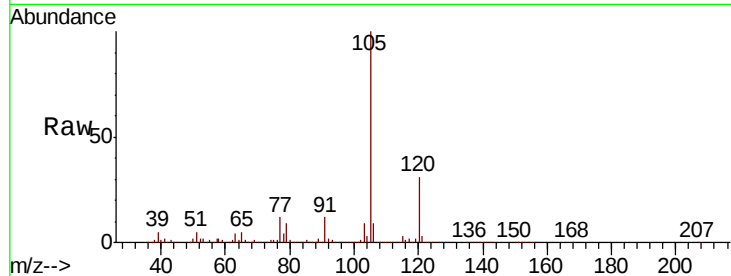
OILY-SOIL

Tot Ion:105 Resp:13131275

Ion Ratio Lower Upper

105 100

120 31.1 24.3 73.0



#81

trans-1,4-Dichloro-2-butene

Concen: 5.770 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.05 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

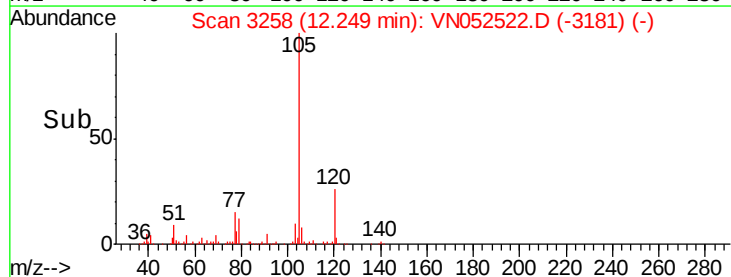
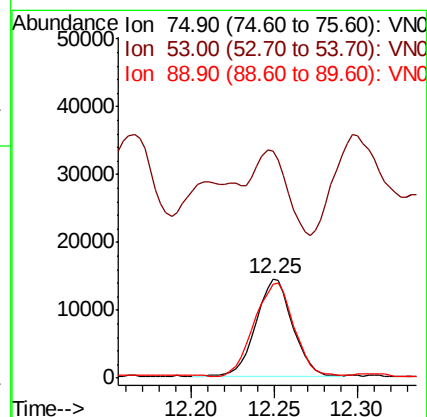
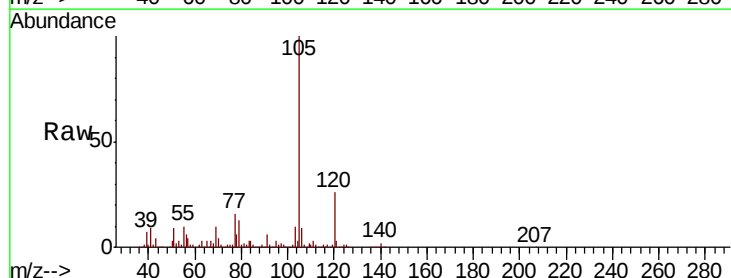
Tgt Ion: 75 Resp: 22493

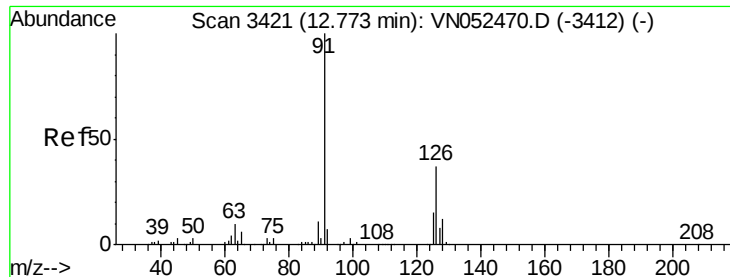
Ion Ratio Lower Upper

75 100

53 67.7 77.4 116.0#

89 102.4 35.4 53.2#





#82

4-Chlorotoluene

Concen: 37.485 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

Instrument :

MSVOA_N

ClientSampled :

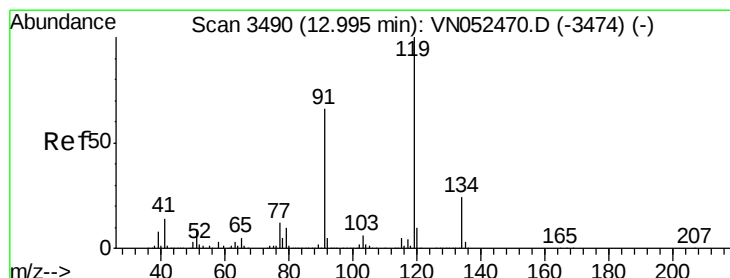
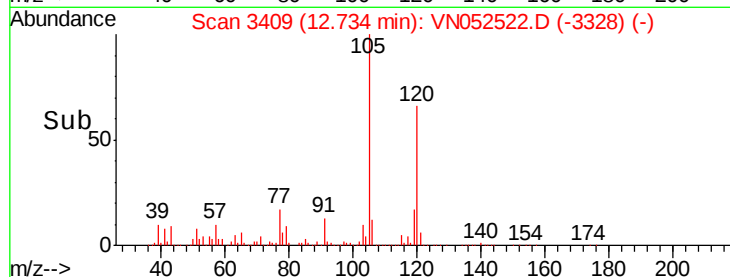
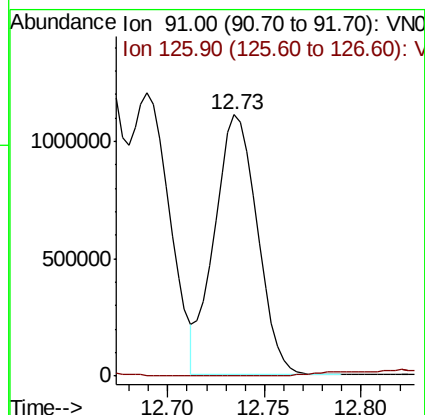
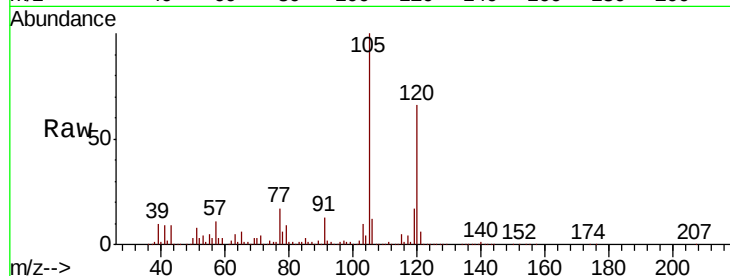
OILY-SOIL

Tot Ion: 91 Resp: 1692672

Ion Ratio Lower Upper

91 100

126 0.1 16.9 50.6#



#83

tert-Butylbenzene

Concen: 158.247 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.05 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

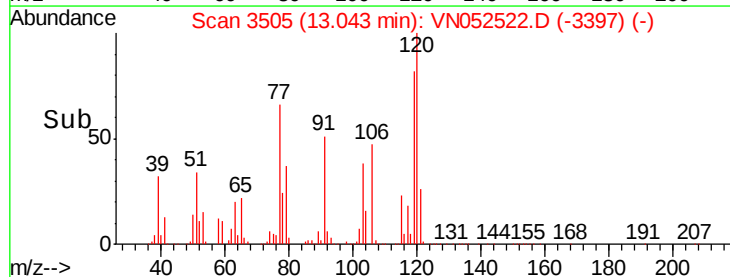
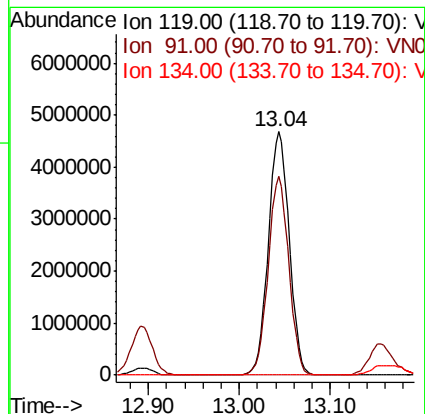
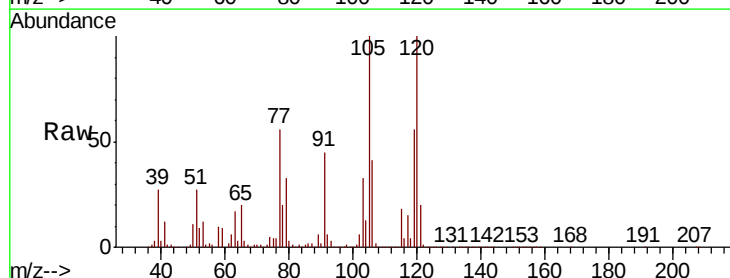
Tgt Ion: 119 Resp: 7451771

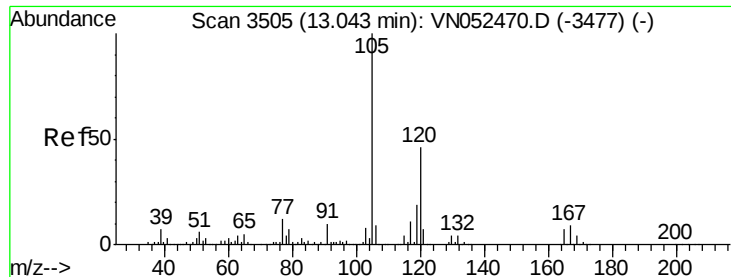
Ion Ratio Lower Upper

119 100

91 80.6 32.3 96.9

134 0.0 13.0 38.9#

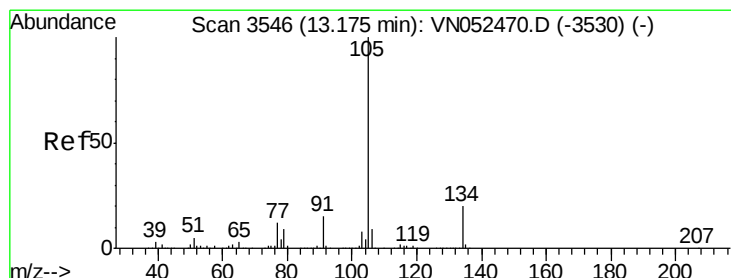
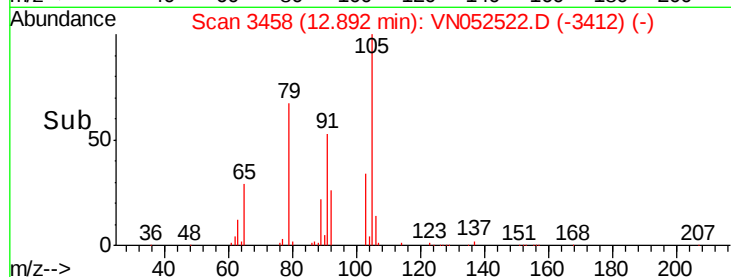
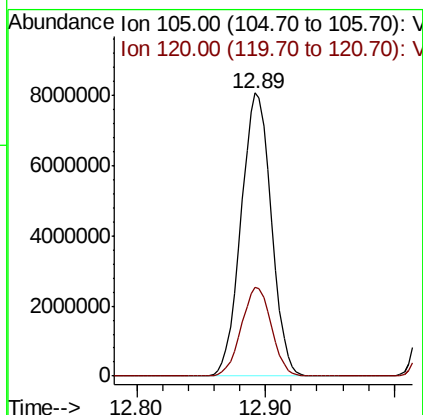
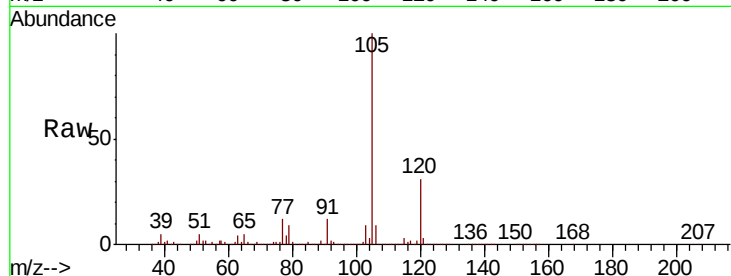




#84
 1,2,4-Trimethylbenzene
 Concen: 248.064 ug/l
 RT: 12.89 min Scan# 3458
 Delta R.T. -0.15 min
 Lab File: VN052522.D
 Acq: 28 Nov 2018 16:22

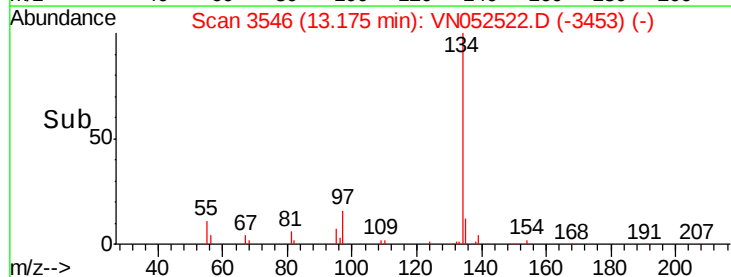
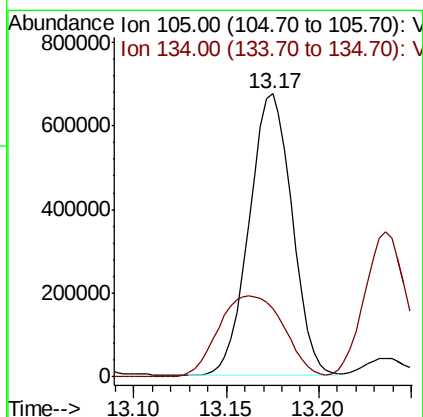
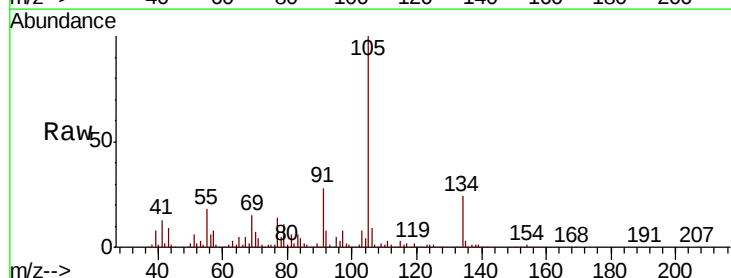
Instrument :
 MSVOA_N
 ClientSampled :
 OILY-SOIL

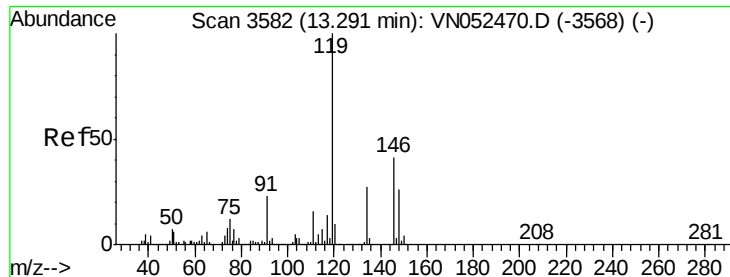
Tot Ion:105 Resp:13131275
 Ion Ratio Lower Upper
 105 100
 120 31.1 22.8 68.4



#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#

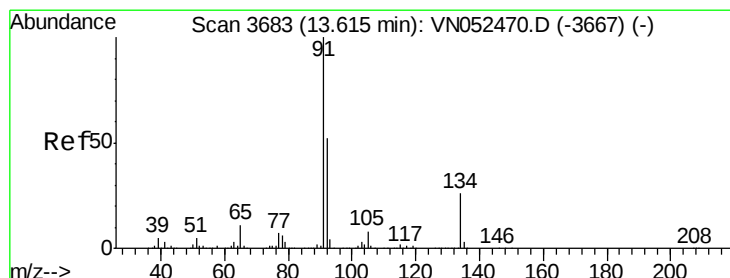
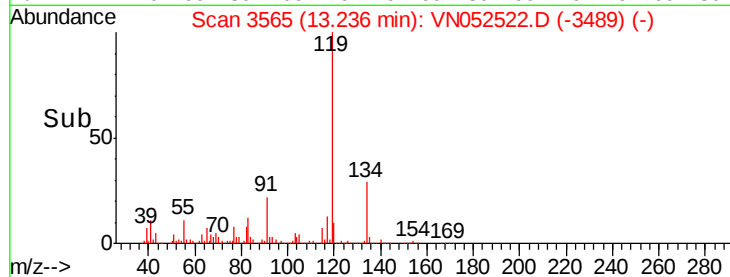
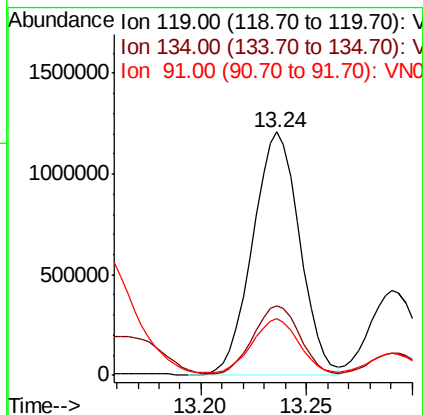
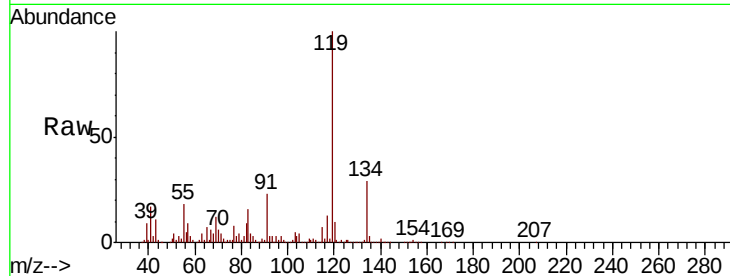




#86
 p-Isopropyltoluene
 Concen: 34.257 ug/l
 RT: 13.24 min Scan# 3565
 Delta R.T. -0.05 min
 Lab File: VN052522.D
 Acq: 28 Nov 2018 16:22

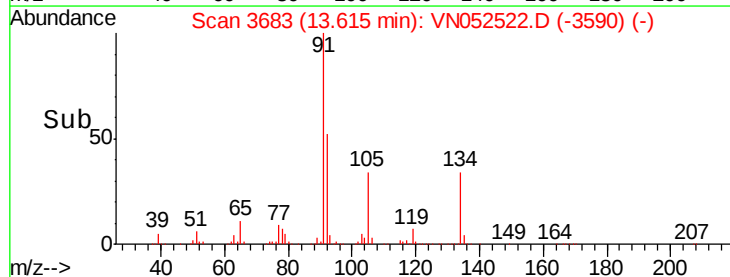
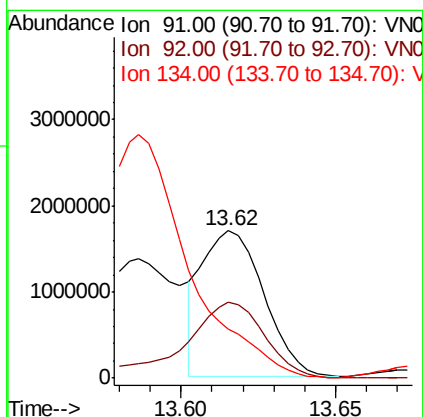
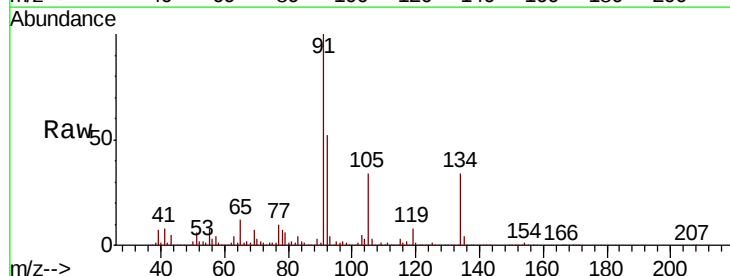
Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-SOIL

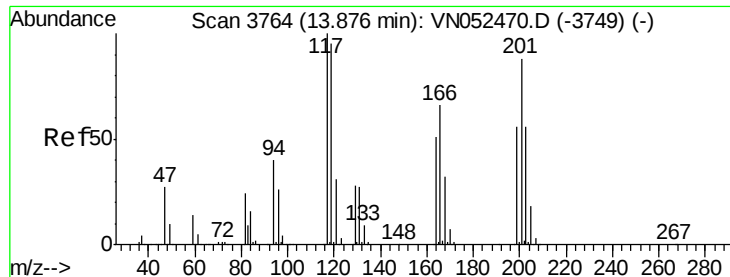
Tot Ion:119 Resp: 1871368
 Ion Ratio Lower Upper
 119 100
 134 28.8 13.4 40.2
 91 22.5 11.4 34.2



#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: 91 Resp: 2335745
 Ion Ratio Lower Upper
 91 100
 92 68.4 26.1 78.3
 134 0.0 13.0 38.9#





#90

Hexachloroethane

Concen: 100.277 ug/l

RT: 13.89 min Scan# 3769

Delta R.T. 0.02 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

Instrument :

MSVOA_N

ClientSampled :

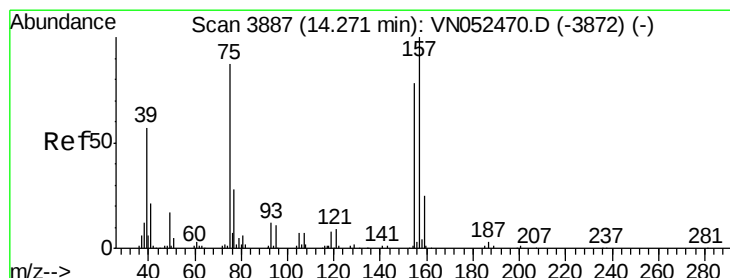
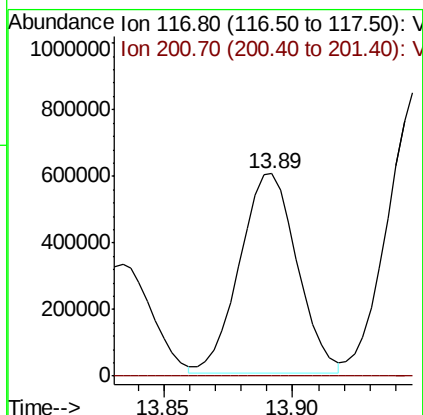
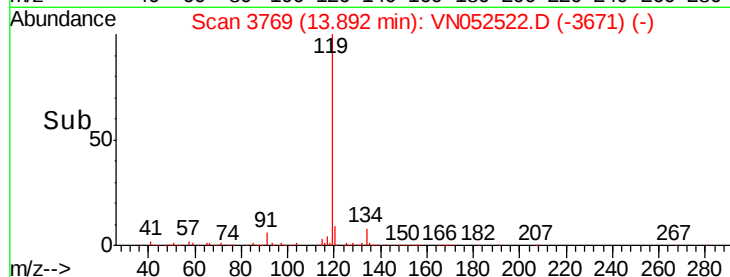
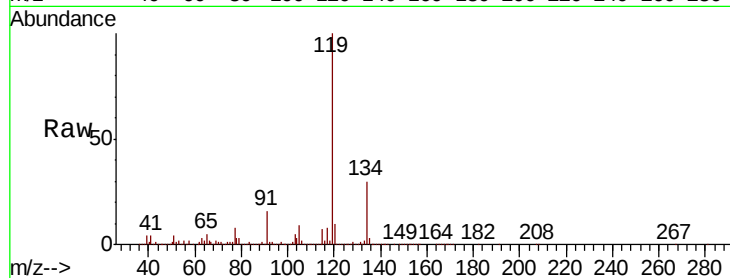
OILY-SOIL

Tot Ion:117 Resp: 927531

Ion Ratio Lower Upper

117 100

201 0.0 43.6 130.9#



#92

1,2-Dibromo-3-Chloropropane

Concen: 8.961 ug/l

RT: 14.30 min Scan# 3895

Delta R.T. 0.03 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

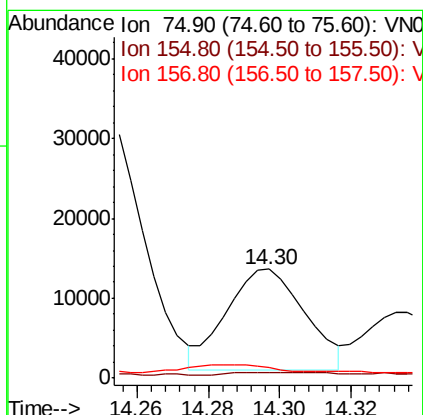
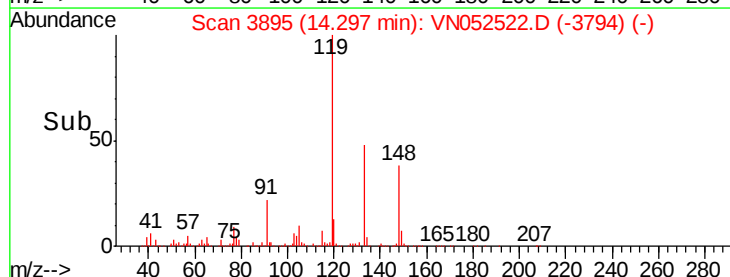
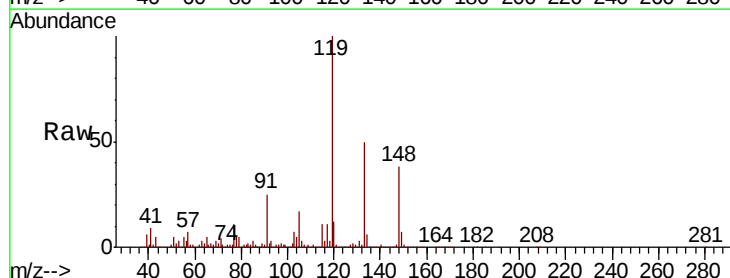
Tgt Ion: 75 Resp: 19309

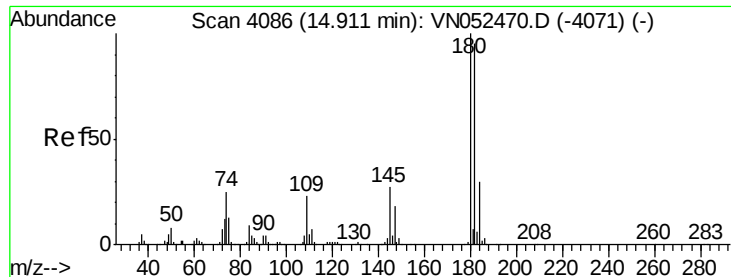
Ion Ratio Lower Upper

75 100

155 3.6 45.3 135.9#

157 7.9 58.1 174.2#





#93

1,2,4-Trichlorobenzene

Concen: 2.887 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052522.D

Acq: 28 Nov 2018 16:22

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOIL

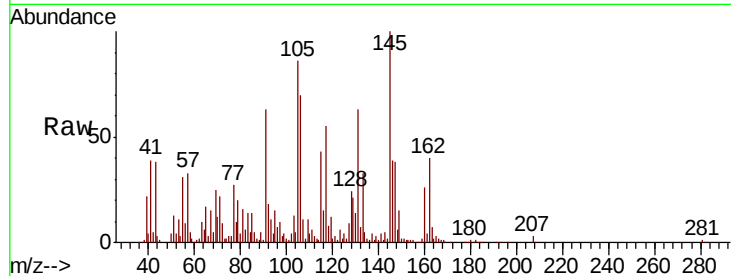
Tot Ion:180 Resp: 920

Ion Ratio Lower Upper

180 100

182 106.6 47.8 143.4

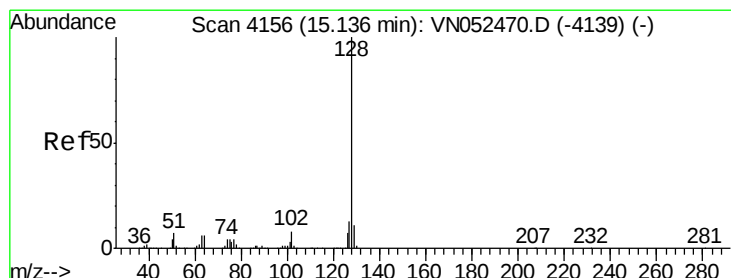
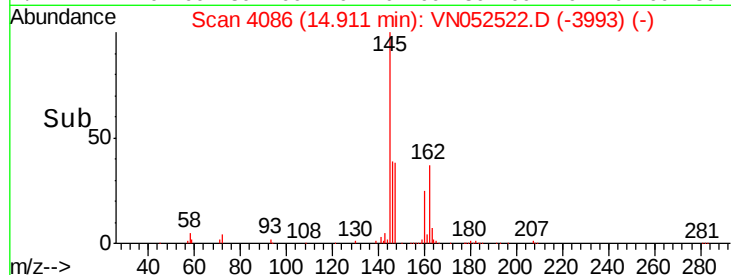
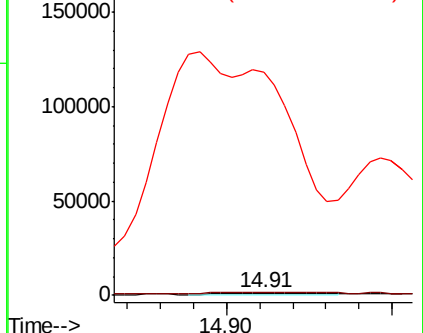
145 0.0 14.1 42.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#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

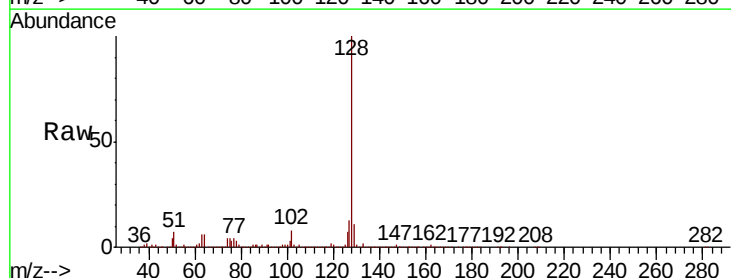
Tgt Ion:128 Resp: 9300132

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

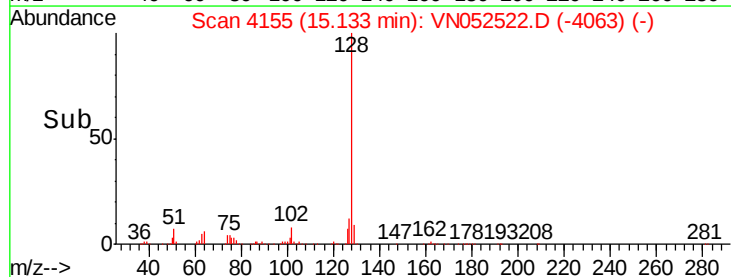
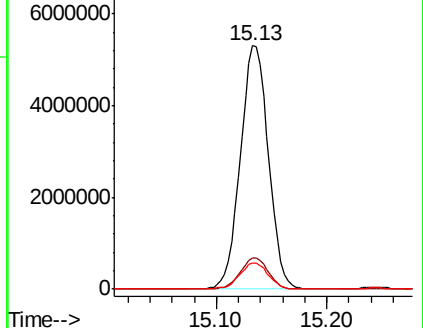
129 10.9 8.7 13.1

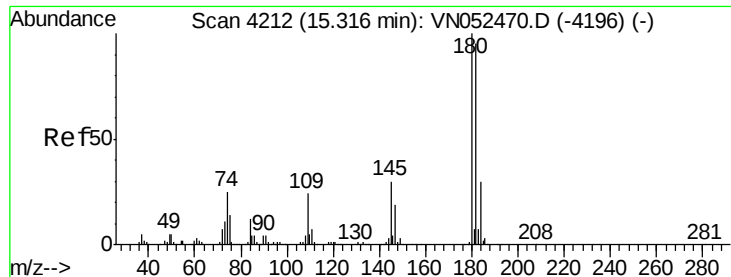


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

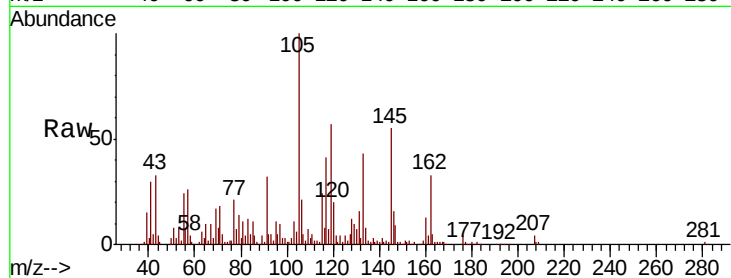




#96
 1,2,3-Trichlorobenzene
 Concen: 2.746 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN052522.D
 Acq: 28 Nov 2018 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-SOIL

Tot Ion:180 Resp: 276
 Ion Ratio Lower Upper
 180 100
 182 140.2 47.8 143.3
 145 30535.1 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

