

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052525.D
 Acq On : 28 Nov 2018 17:41
 Operator : MD\SY
 Sample : J6064-02RE
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-SOIL

Quant Time: Nov 29 00:11:15 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	1477402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2227948	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1899099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	863521	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	726906	45.19	ug/l	0.00
Spiked Amount			Recovery	=	90.38%	
35) Dibromofluoromethane	7.59	113	655804	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
50) Toluene-d8	10.09	98	2717701	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.40	95	1201174	66.86	ug/l	0.00
Spiked Amount			Recovery	=	133.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	12086	15.008	ug/l #	73
13) Acrolein	3.57	56	10484	39.903	ug/l #	1
14) Allyl chloride	4.41	41	13441	0.564	ug/l #	26
15) Acrylonitrile	5.06	53	1802	0.353	ug/l #	34
16) Acetone	3.82	43	568235	133.926	ug/l	99
18) Methyl Acetate	4.33	43	3972	0.326	ug/l	91
20) Methylene Chloride	4.55	84	1552062	93.477	ug/l	99
23) Vinyl Acetate	5.87	43	10613	0.340	ug/l #	73
25) 2-Butanone	6.83	43	908275	151.030	ug/l	97
26) 2,2-Dichloropropane	6.63	77	5412	0.273	ug/l #	52
29) Tetrahydrofuran	7.22	42	3654	0.942	ug/l #	73
30) Chloroform	7.33	83	26765	0.938	ug/l #	18
31) Cyclohexane	7.65	56	1105246	39.843	ug/l	97
36) 1,1-Dichloropropene	7.66	75	102546	4.874	ug/l #	49
37) Ethyl Acetate	6.83	43	908275	70.738	ug/l #	68
38) Carbon Tetrachloride	7.67	117	130147	6.833	ug/l #	16
39) Methylcyclohexane	9.08	83	680078	26.594	ug/l	99
41) Methacrylonitrile	7.22	41	10207	1.454	ug/l #	56
42) 1,2-Dichloroethane	8.13	62	1744448	91.886	ug/l	99
43) Isopropyl Acetate	8.16	43	55259	2.543	ug/l #	61
44) Trichloroethene	8.84	130	7834	0.488	ug/l	84
46) Dibromomethane	9.22	93	2248	0.244	ug/l #	39
47) Bromodichloromethane	9.39	83	9005	0.449	ug/l #	36
48) Methyl methacrylate	9.18	41	34481	3.043	ug/l #	13
49) 1,4-Dioxane	9.18	88	170	1.446	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	1169126	95.896	ug/l	97
53) t-1,3-Dichloropropene	10.17	75	1731507	89.708	ug/l #	1
54) cis-1,3-Dichloropropene	9.91	75	99341	4.295	ug/l #	75
55) 1,1,2-Trichloroethane	10.41	97	2216572	169.154	ug/l #	17
56) Ethyl methacrylate	10.41	69	131434	9.527	ug/l #	25
57) 1,3-Dichloropropane	10.76	76	19311	0.835	ug/l #	46
58) 2-Chloroethyl Vinyl ether	9.68	63	2041	0.215	ug/l #	49
59) 2-Hexanone	10.75	43	2969318	362.890	ug/l	87
61) 1,2-Dibromoethane	11.01	107	55517	4.266	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

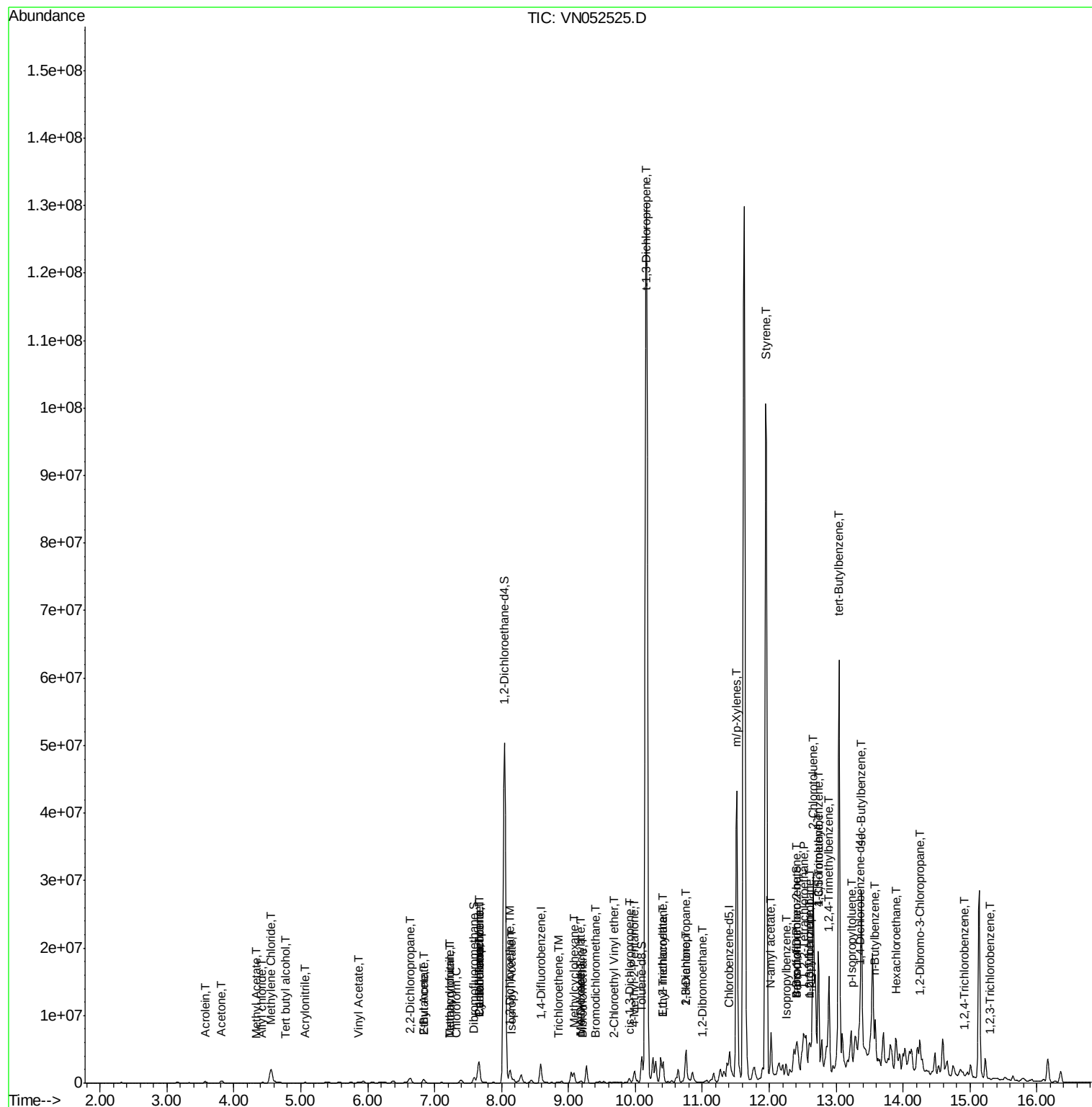
68) m/p-Xylenes	11.51	106	9958416	390.087	ug/l #	1
70) Styrene	11.95	104	1853772	46.948	ug/l #	1
71) Bromoform	12.40	173	1863	0.207	ug/l #	28
73) Isopropylbenzene	12.25	105	1070943	15.808	ug/l	99
74) N-amyl acetate	12.03	43	3521075	205.719	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.52	83	212304	13.776	ug/l #	1
76) 1,2,3-Trichloropropane	12.59	75	14682	1.103	ug/l #	100
78) n-propylbenzene	12.59	91	2958450	38.439	ug/l	99
79) 2-Chlorotoluene	12.66	91	2169292	47.330	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	8593086	159.036	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	407248	102.134	ug/l #	25
82) 4-Chlorotoluene	12.73	91	830696	17.983	ug/l #	41
83) tert-Butylbenzene	13.04	119	4813344	99.925	ug/l #	72
84) 1,2,4-Trimethylbenzene	12.89	105	9236589	170.576	ug/l	78
85) sec-Butylbenzene	13.37	105	13818187	210.615	ug/l #	57
86) p-Isopropyltoluene	13.24	119	313391	5.608	ug/l #	76
89) n-Butylbenzene	13.58	91	163626	3.521	ug/l #	1
90) Hexachloroethane	13.89	117	190499	20.133	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.25	75	15236	6.912	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.92	180	1131	2.899	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.31	180	201	2.740	ug/l #	38

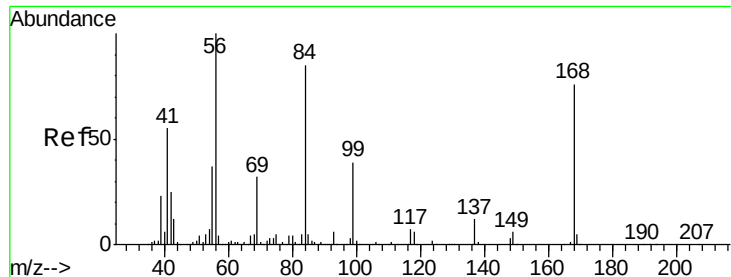
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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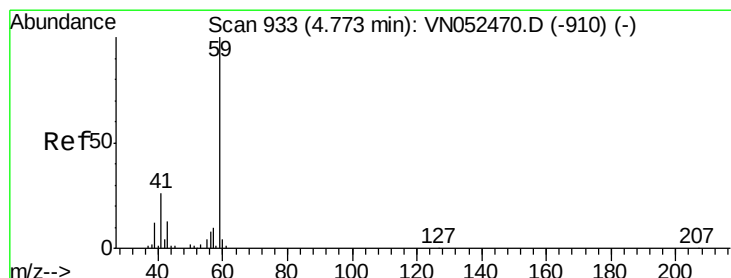
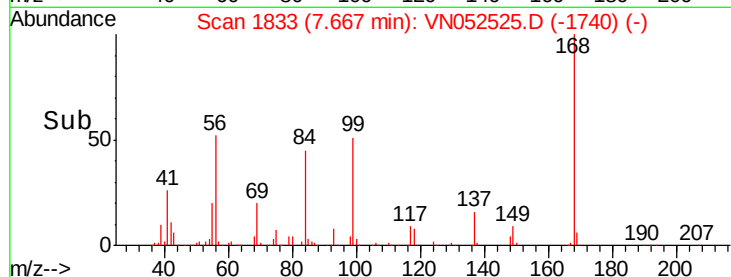
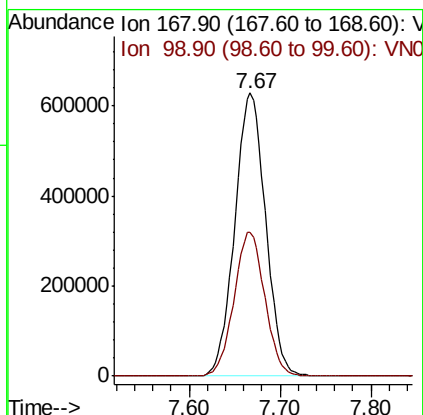
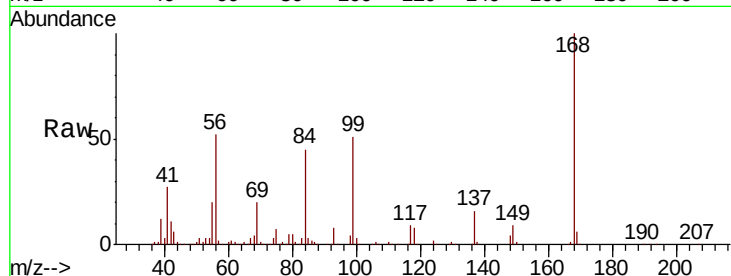




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VN052525.D
Acq: 28 Nov 2018 17:41

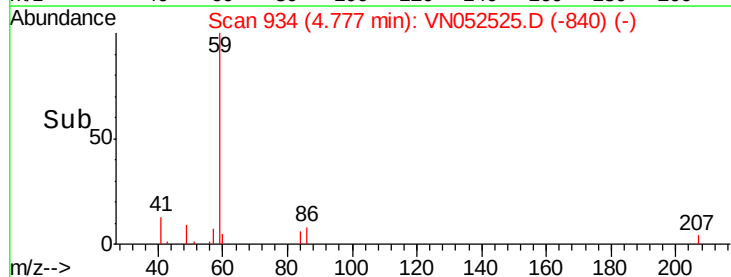
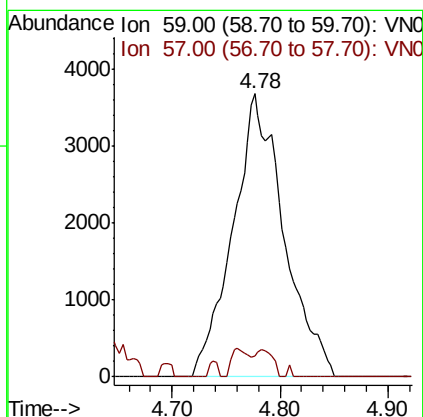
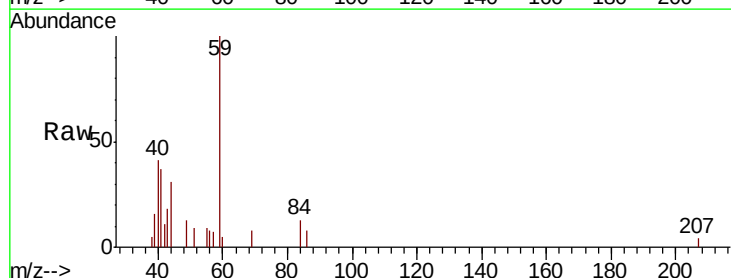
Instrument :
MSVOA_N
ClientSampled :
OILY-SOIL

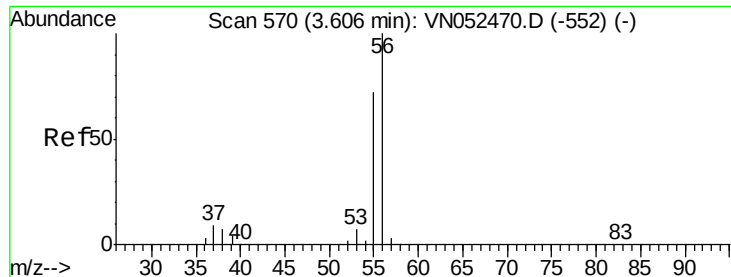
Tot Ion:168 Resp: 1477402
Ion Ratio Lower Upper
168 100
99 51.0 41.7 62.5



#11
Tert butyl alcohol
Concen: 15.008 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN052525.D
Acq: 28 Nov 2018 17:41

Tgt Ion: 59 Resp: 12086
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#





#13

Acrolein

Concen: 39.903 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.04 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

Instrument :

MSVOA_N

ClientSampled :

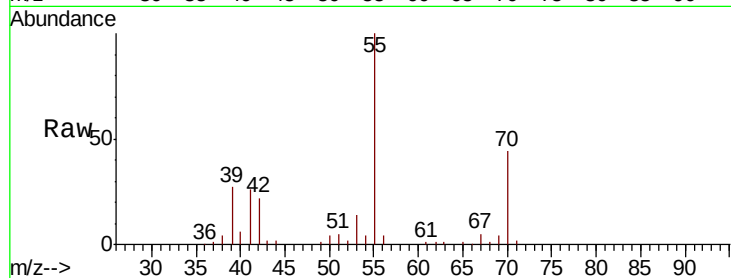
OILY-SOIL

Tot Ion: 56 Resp: 10484

Ion Ratio Lower Upper

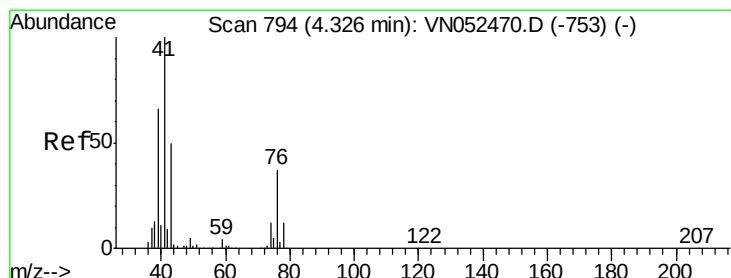
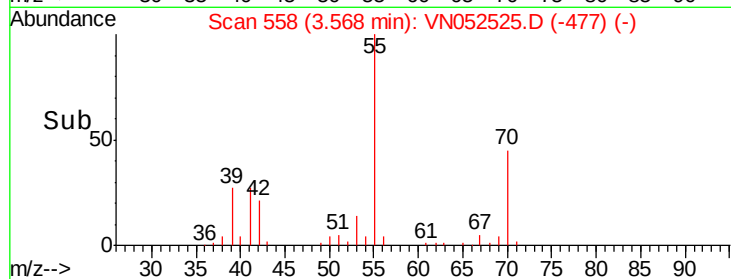
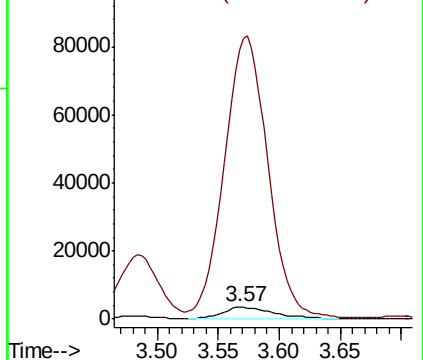
56 100

55 1964.0 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 0.564 ug/l

RT: 4.41 min Scan# 820

Delta R.T. 0.08 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

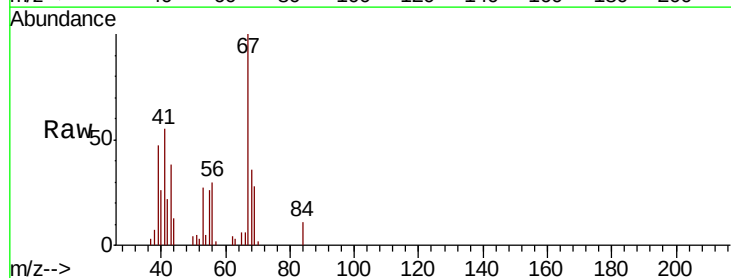
Tgt Ion: 41 Resp: 13441

Ion Ratio Lower Upper

41 100

39 0.0 50.6 76.0#

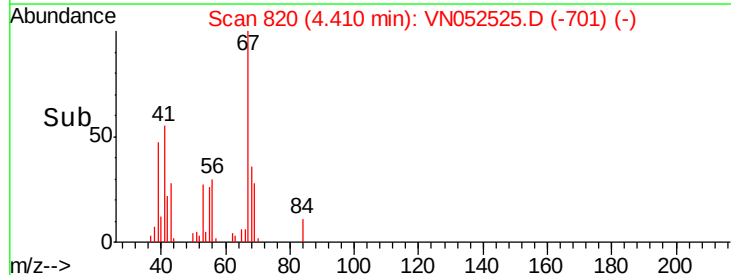
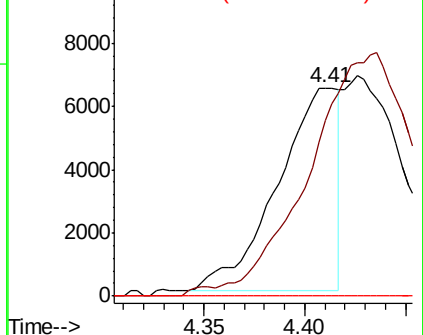
76 0.0 27.4 41.2#

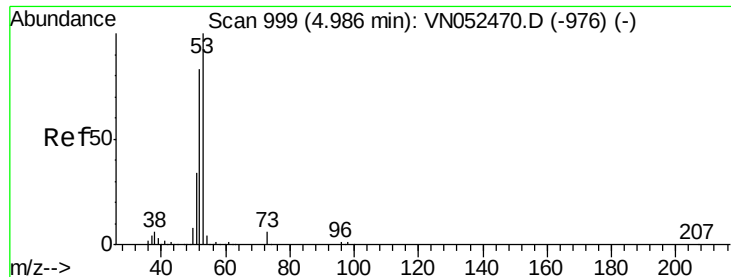


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 0.353 ug/l

RT: 5.06 min Scan# 1021

Delta R.T. 0.07 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

Instrument :

MSVOA_N

ClientSampled :

OILY-SOIL

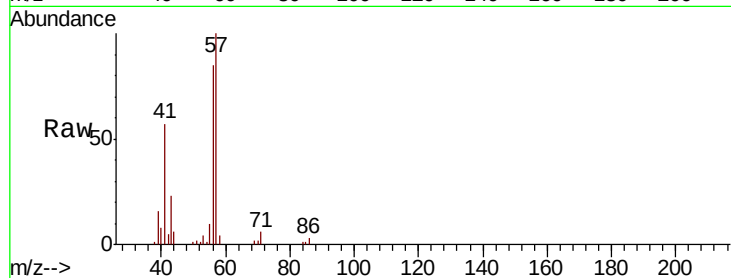
Tot Ion: 53 Resp: 1802

Ion Ratio Lower Upper

53 100

52 12.3 66.2 99.2#

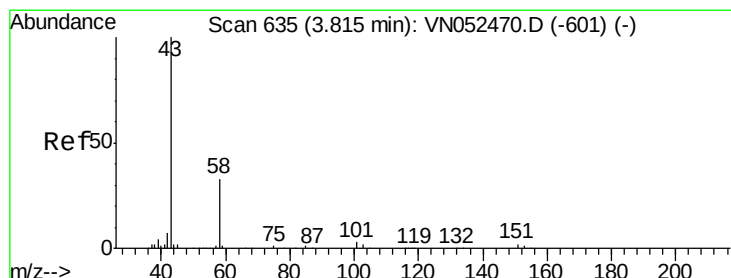
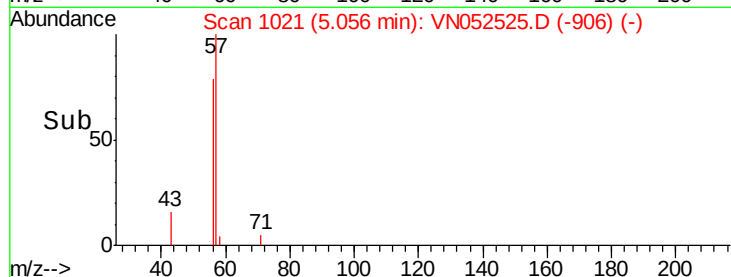
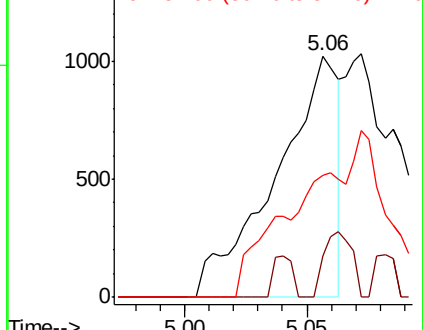
51 56.1 28.1 42.1#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 133.926 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052525.D

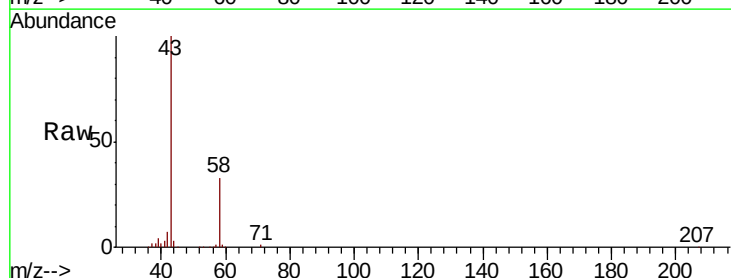
Acq: 28 Nov 2018 17:41

Tgt Ion: 43 Resp: 568235

Ion Ratio Lower Upper

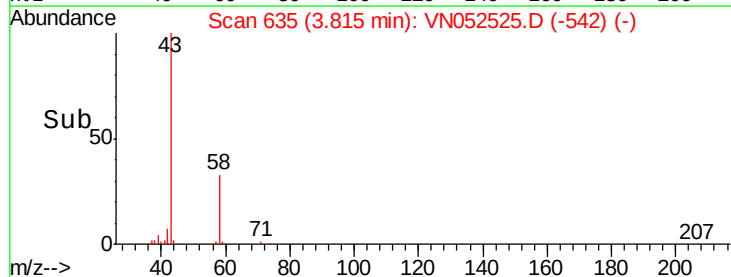
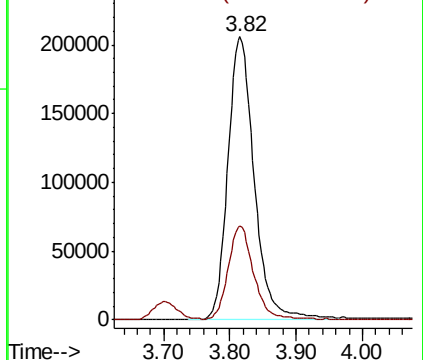
43 100

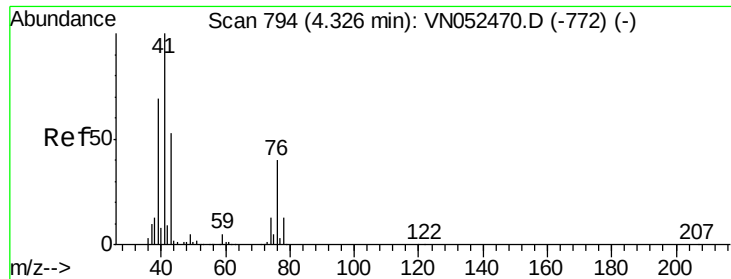
58 32.8 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

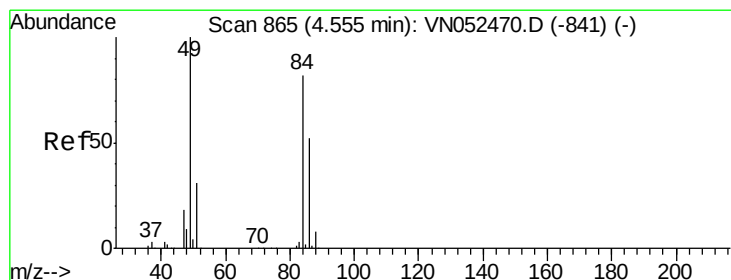
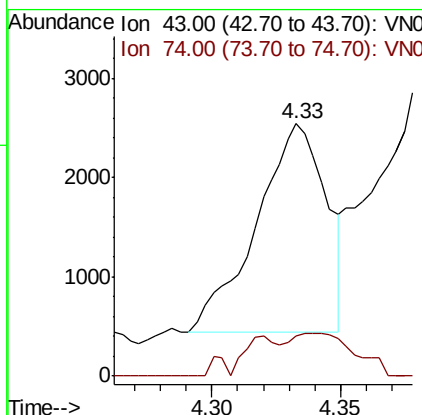
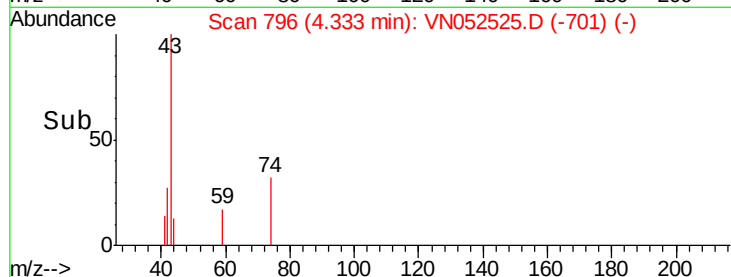
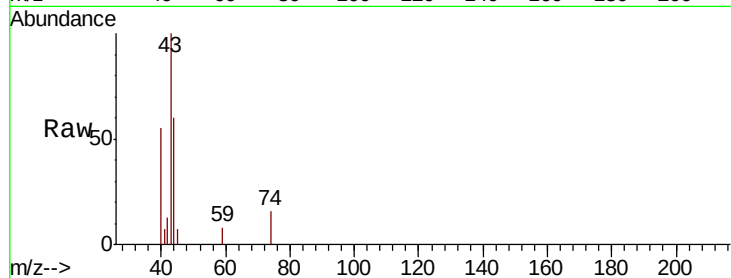




#18
Methyl Acetate
Concen: 0.326 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN052525.D
Acq: 28 Nov 2018 17:41

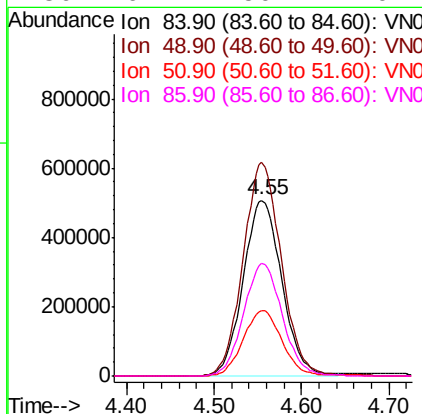
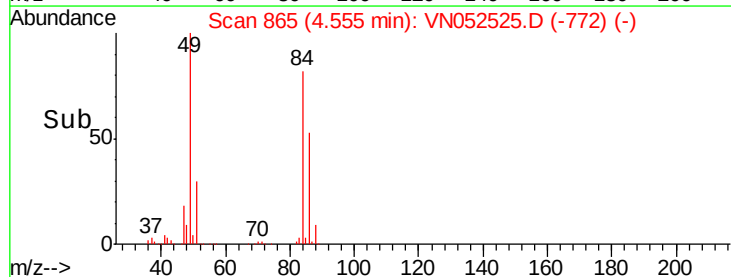
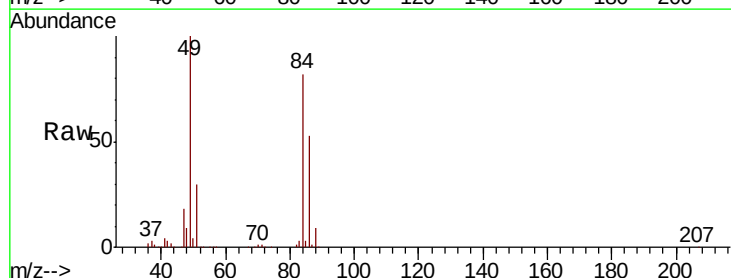
Instrument :
MSVOA_N
ClientSampleId :
OILY-SOIL

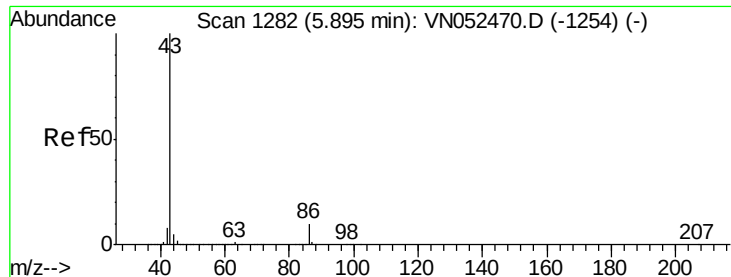
Tot Ion: 43 Resp: 3972
Ion Ratio Lower Upper
43 100
74 18.9 18.6 27.8



#20
Methylene Chloride
Concen: 93.477 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052525.D
Acq: 28 Nov 2018 17:41

Tgt Ion: 84 Resp: 1552062
Ion Ratio Lower Upper
84 100
49 121.6 98.0 147.0
51 36.9 30.1 45.1
86 64.1 50.7 76.1





#23

Vinyl Acetate

Concen: 0.340 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.03 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

Instrument :

MSVOA_N

ClientSampled :

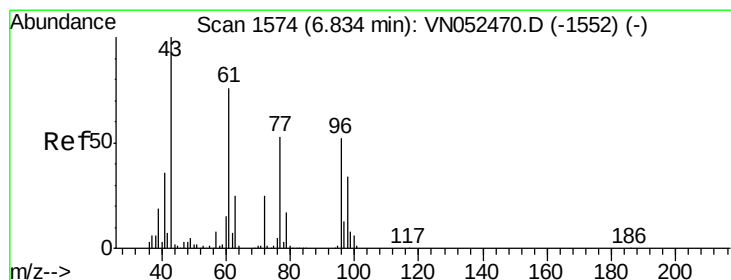
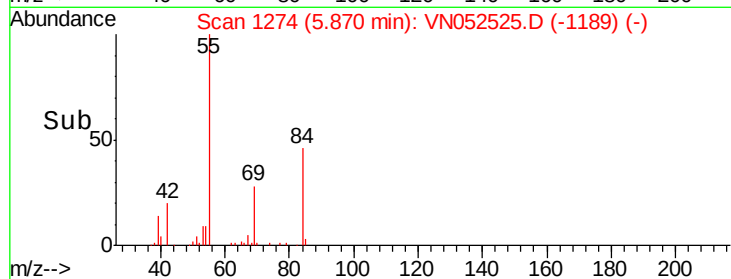
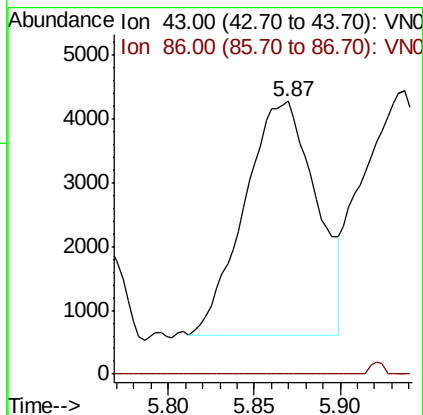
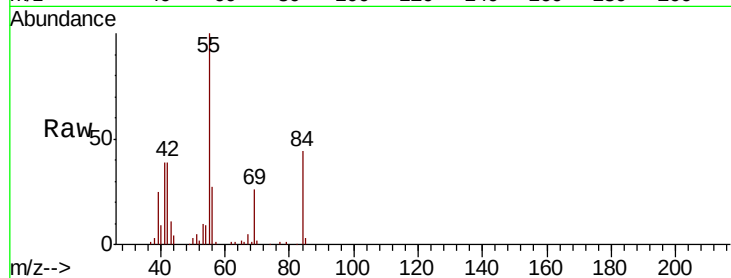
OILY-SOIL

Tot Ion: 43 Resp: 10613

Ion Ratio Lower Upper

43 100

86 0.0 7.8 11.8#



#25

2-Butanone

Concen: 151.030 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052525.D

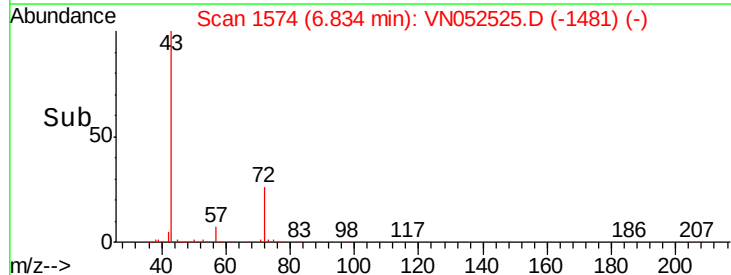
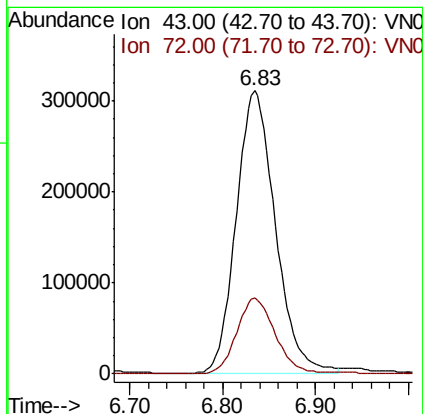
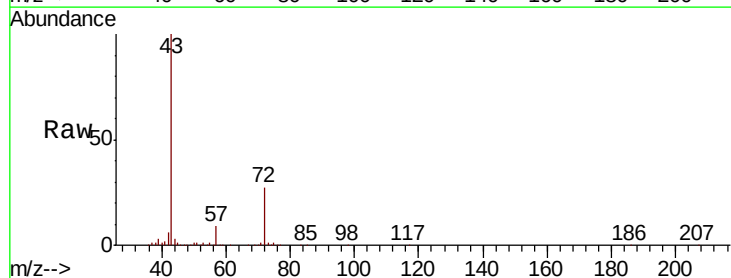
Acq: 28 Nov 2018 17:41

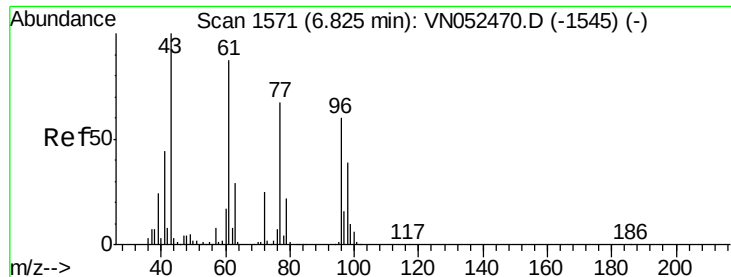
Tgt Ion: 43 Resp: 908275

Ion Ratio Lower Upper

43 100

72 26.8 20.1 30.1

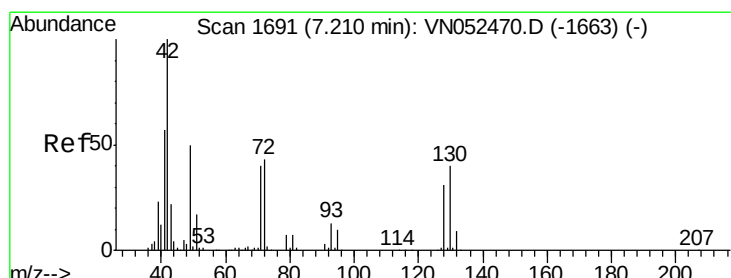
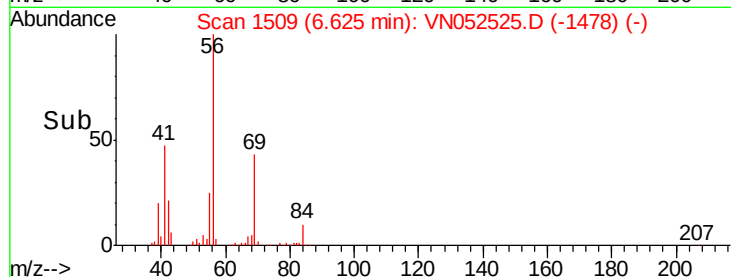
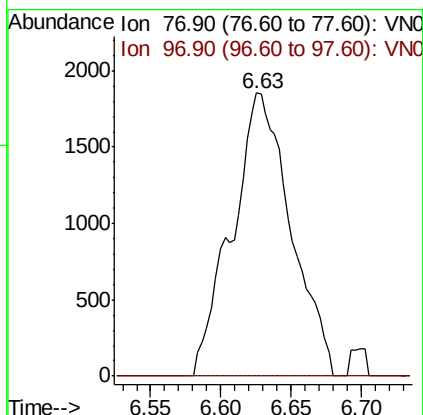
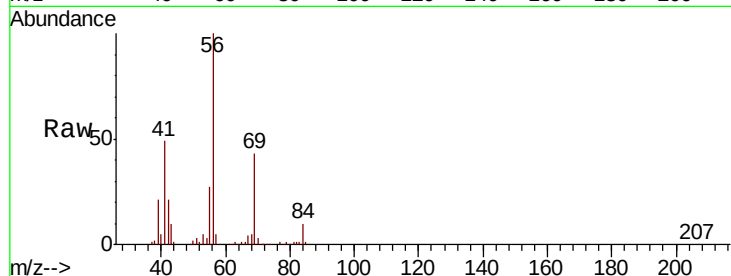




#26
 2,2-Dichloropropane
 Concen: 0.273 ug/l
 RT: 6.63 min Scan# 1509
 Delta R.T. -0.20 min
 Lab File: VN052525.D
 Acq: 28 Nov 2018 17:41

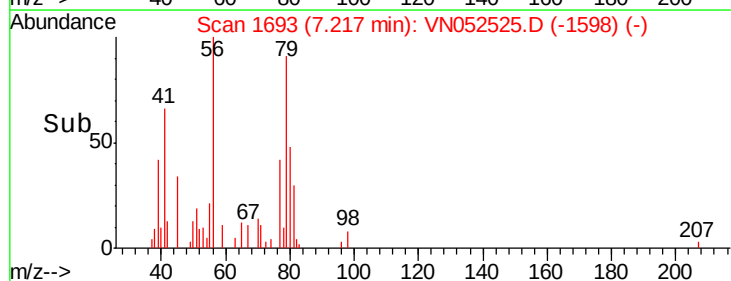
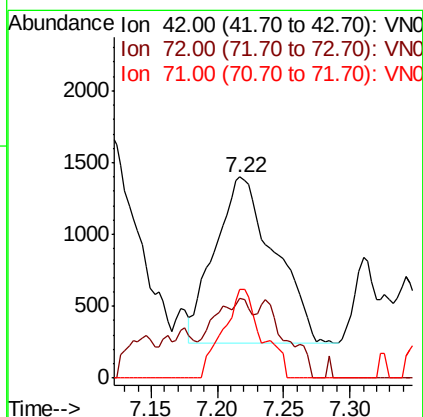
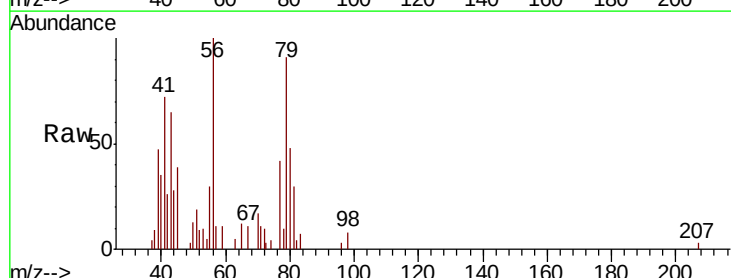
Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-SOIL

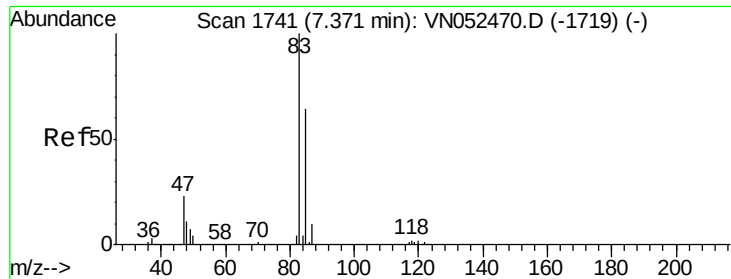
Tot Ion: 77 Resp: 5412
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.8 35.3#



#29
 Tetrahydrofuran
 Concen: 0.942 ug/l
 RT: 7.22 min Scan# 1693
 Delta R.T. 0.01 min
 Lab File: VN052525.D
 Acq: 28 Nov 2018 17:41

Tgt Ion: 42 Resp: 3654
 Ion Ratio Lower Upper
 42 100
 72 13.8 33.3 49.9#
 71 34.4 32.0 48.0

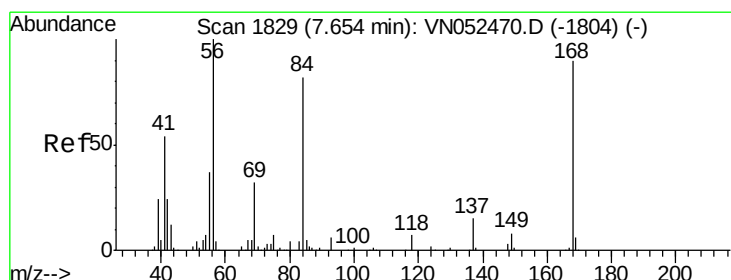
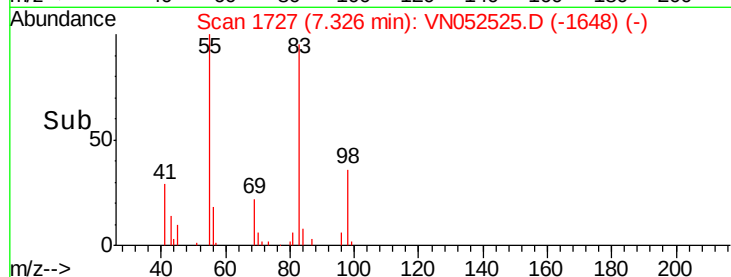
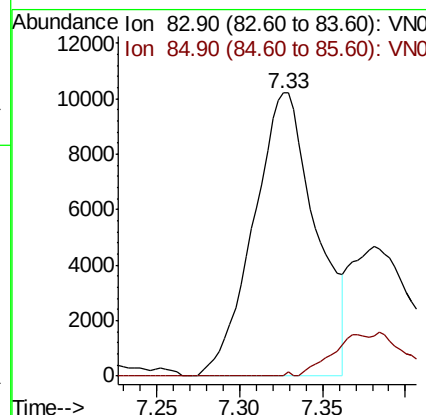
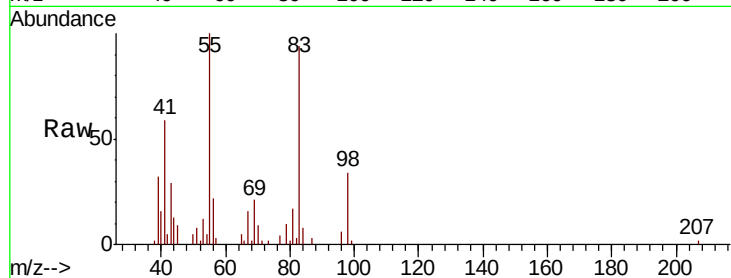




#30
Chloroform
Concen: 0.938 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.04 min
Lab File: VN052525.D
Acq: 28 Nov 2018 17:41

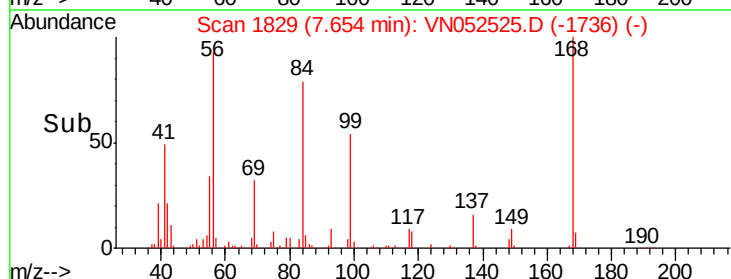
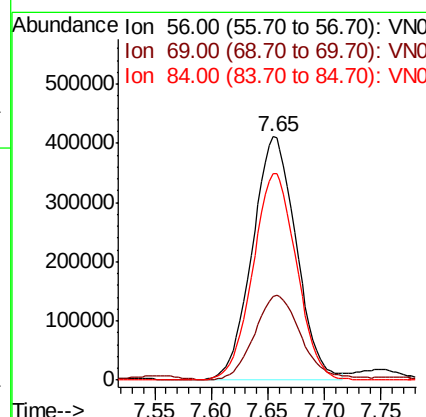
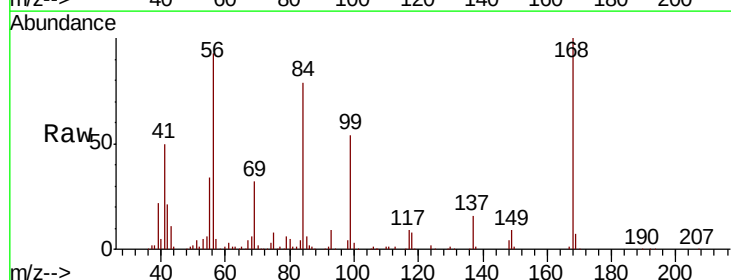
Instrument :
MSVOA_N
ClientSampled :
OILY-SOIL

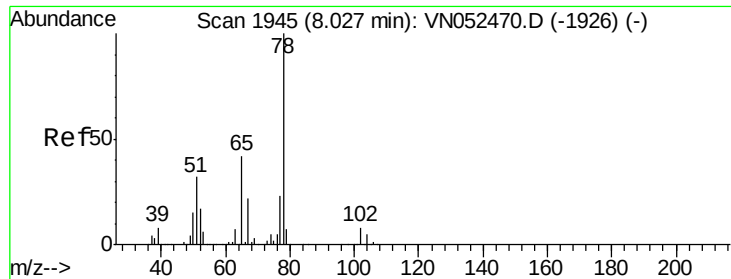
Tot Ion: 83 Resp: 26765
Ion Ratio Lower Upper
83 100
85 0.0 51.0 76.4#



#31
Cyclohexane
Concen: 39.843 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052525.D
Acq: 28 Nov 2018 17:41

Tgt Ion: 56 Resp: 1105246
Ion Ratio Lower Upper
56 100
69 33.8 25.8 38.6
84 84.9 65.3 97.9

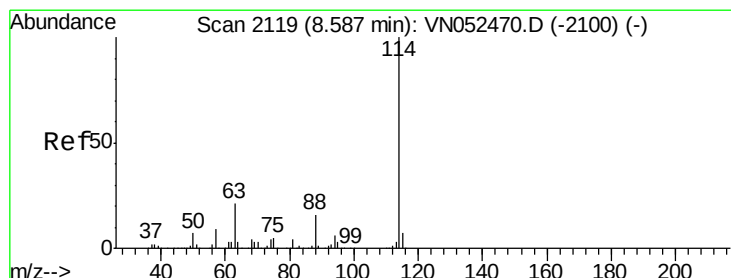
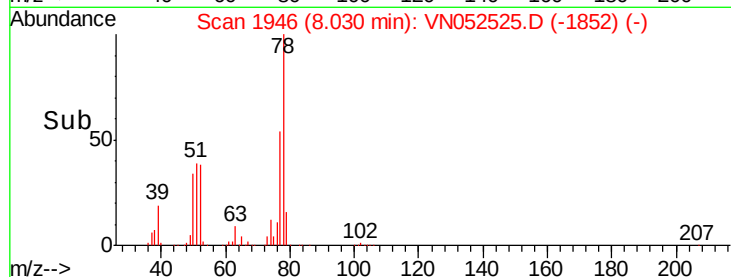
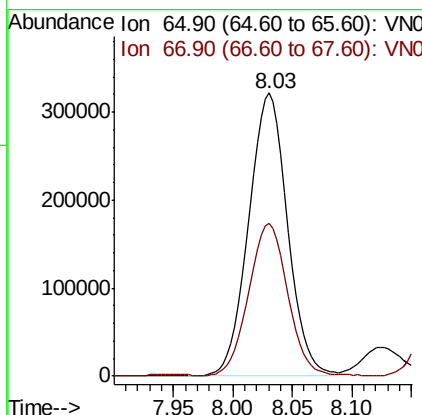
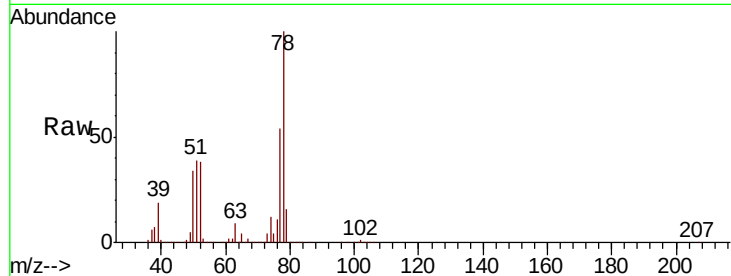




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052525.D
 Acq: 28 Nov 2018 17:41

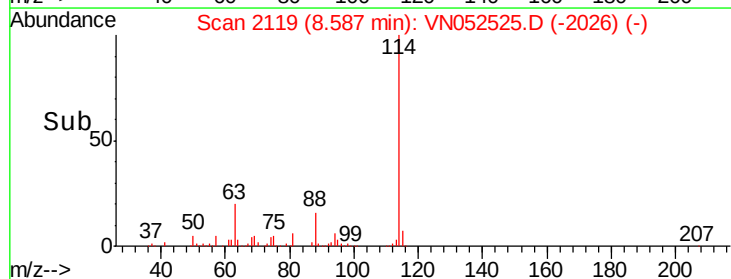
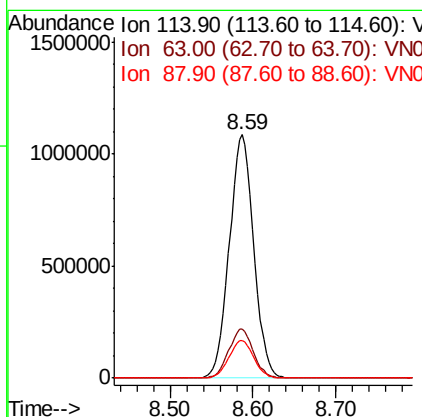
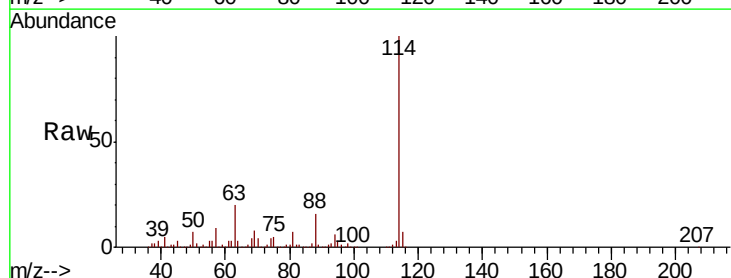
Instrument :
 MSVOA_N
 ClientSampled :
 OILY-SOIL

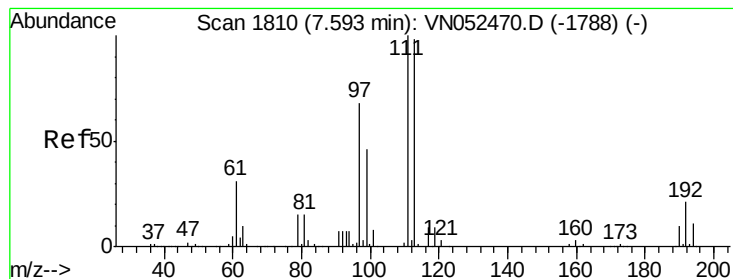
Tot Ion: 65 Resp: 726906
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052525.D
 Acq: 28 Nov 2018 17:41

Tgt Ion: 114 Resp: 2227948
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.8
 88 15.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOIL

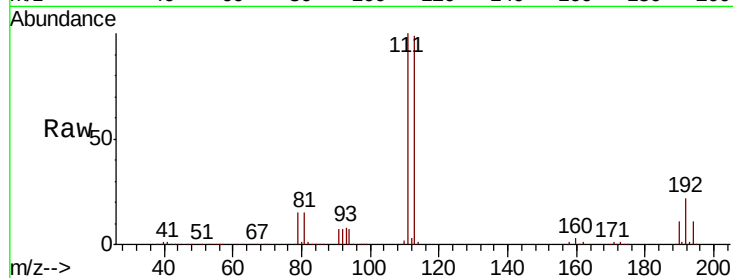
Tot Ion:113 Resp: 655804

Ion Ratio Lower Upper

113 100

111 102.4 82.0 123.0

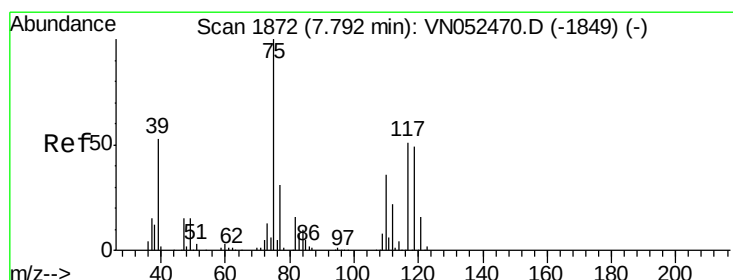
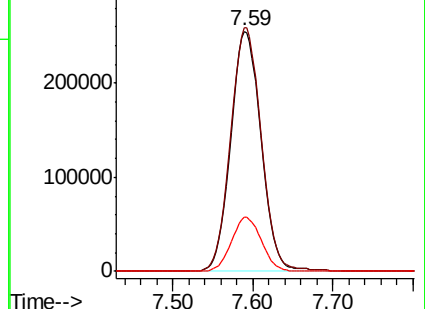
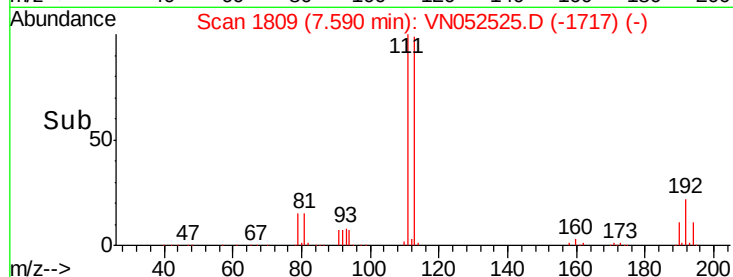
192 22.1 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.874 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

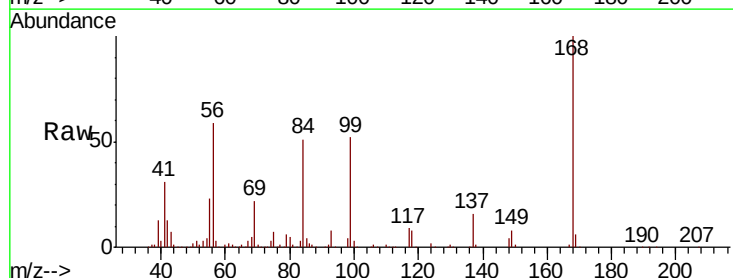
Tgt Ion: 75 Resp: 102546

Ion Ratio Lower Upper

75 100

110 8.2 17.5 52.6#

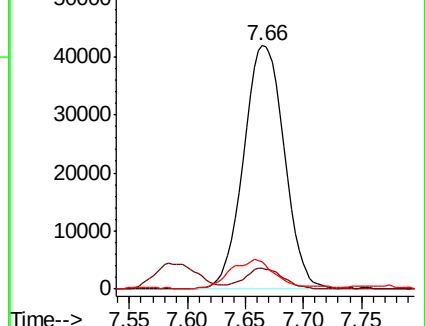
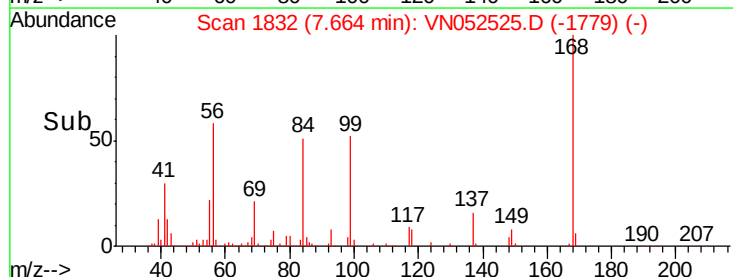
77 0.0 24.5 36.7#

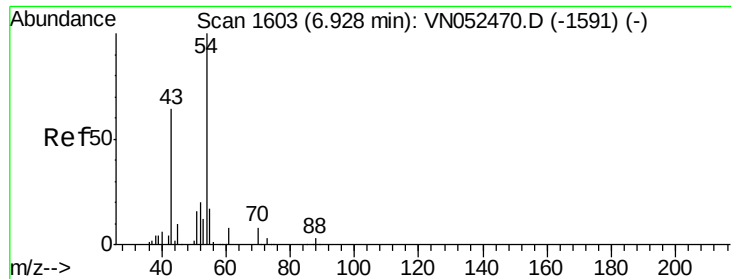


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#37

Ethyl Acetate

Concen: 70.738 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.09 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

Instrument :

MSVOA_N

ClientSampled :

OILY-SOIL

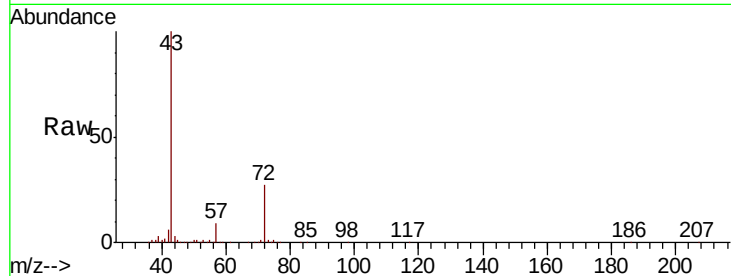
Tot Ion: 43 Resp: 908275

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.8#

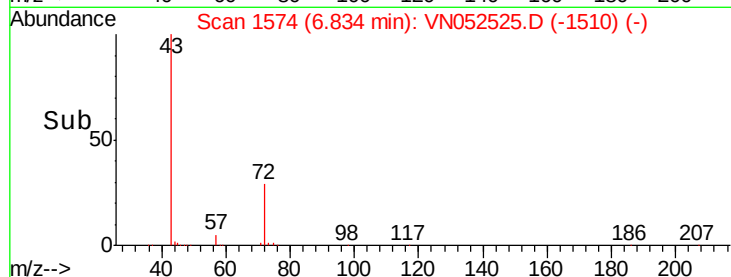
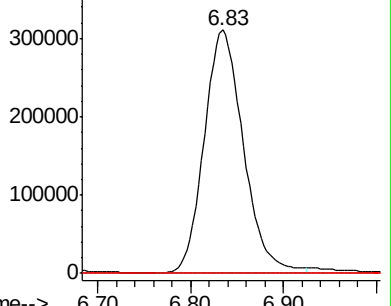
70 0.0 7.8 11.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1591) (-)

Ion 60.90 (60.60 to 61.60): VN052470.D (-1591) (-)

Ion 70.00 (69.70 to 70.70): VN052470.D (-1591) (-)



#38

Carbon Tetrachloride

Concen: 6.833 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

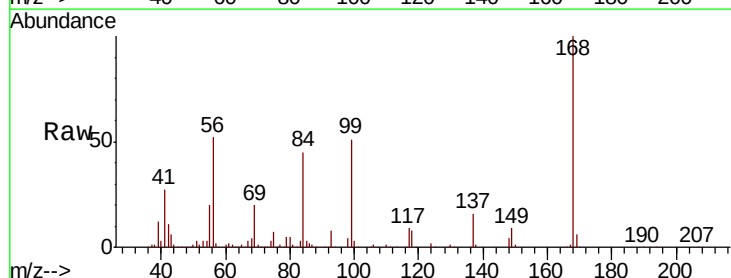
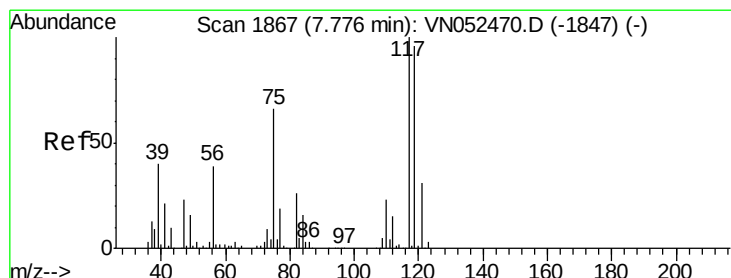
Tgt Ion: 117 Resp: 130147

Ion Ratio Lower Upper

117 100

119 4.9 76.8 115.2#

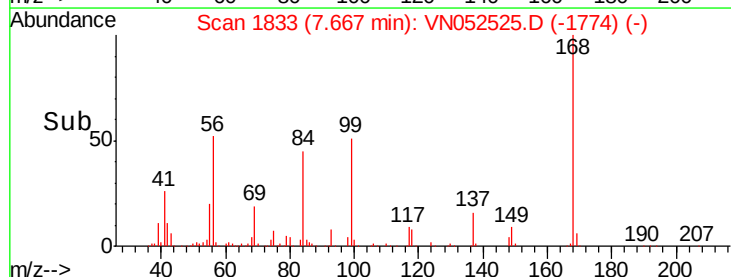
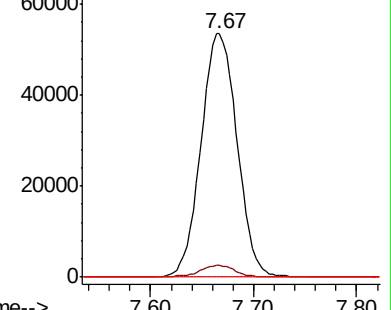
121 0.0 24.9 37.3#

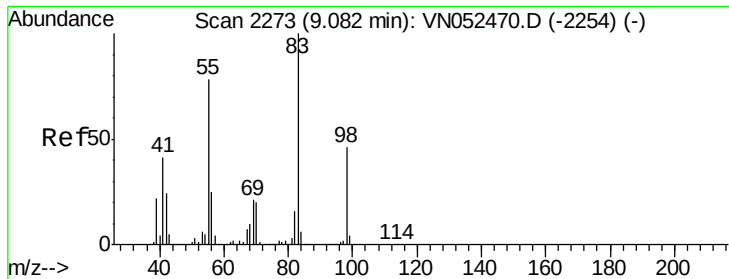


Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN052470.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN052470.D (-1847) (-)

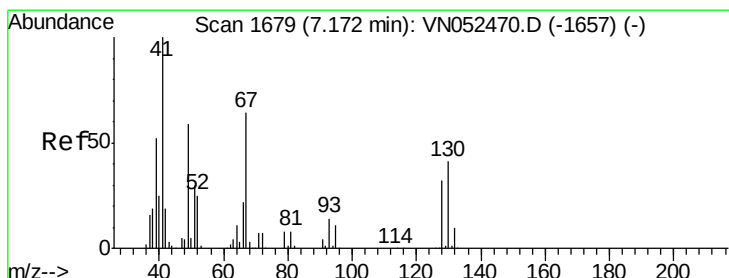
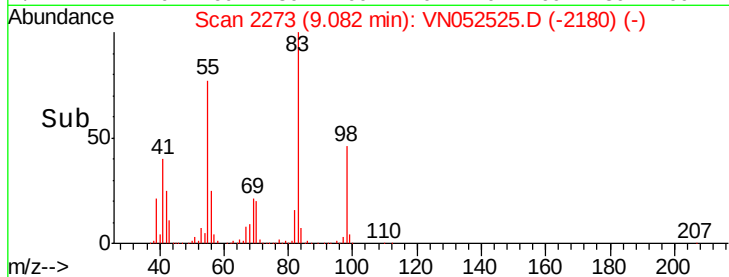
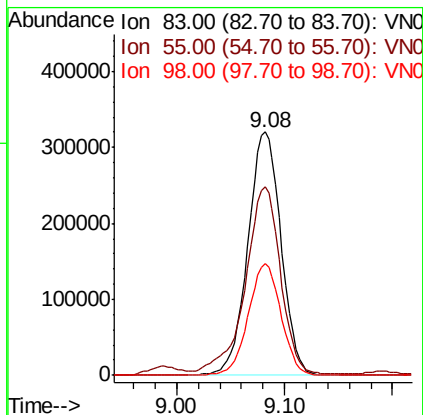
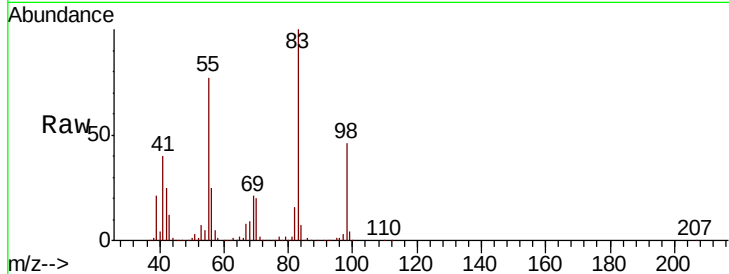




#39
Methylvlcyclohexane
Concen: 26.594 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052525.D
Acq: 28 Nov 2018 17:41

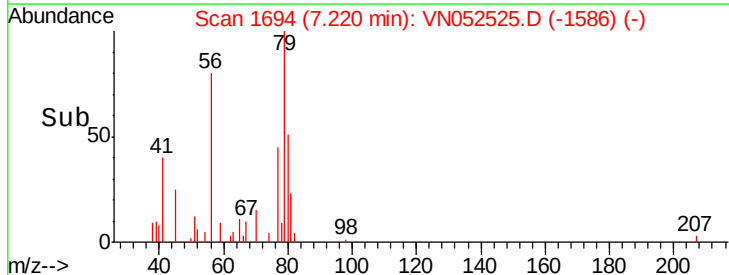
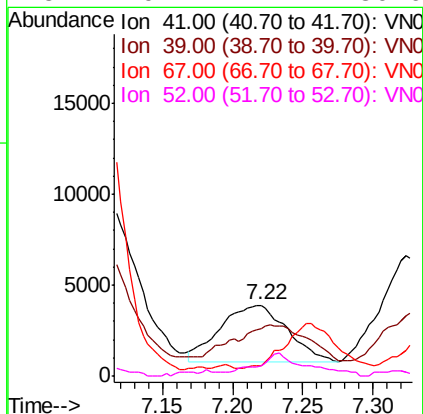
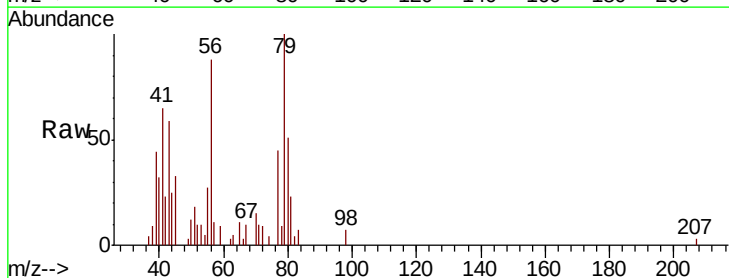
Instrument :
MSVOA_N
ClientSampled :
OILY-SOIL

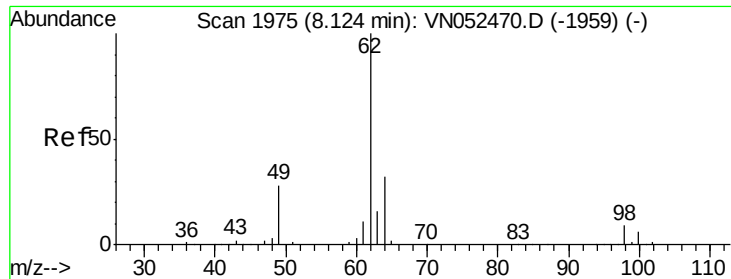
Tot Ion: 83 Resp: 680078
Ion Ratio Lower Upper
83 100
55 76.8 62.2 93.2
98 45.8 36.4 54.6



#41
Methacrylonitrile
Concen: 1.454 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.05 min
Lab File: VN052525.D
Acq: 28 Nov 2018 17:41

Tgt Ion: 41 Resp: 10207
Ion Ratio Lower Upper
41 100
39 69.0 50.9 76.3
67 0.0 63.6 95.4#
52 29.7 24.4 36.6





#42

1,2-Dichloroethane

Concen: 91.886 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

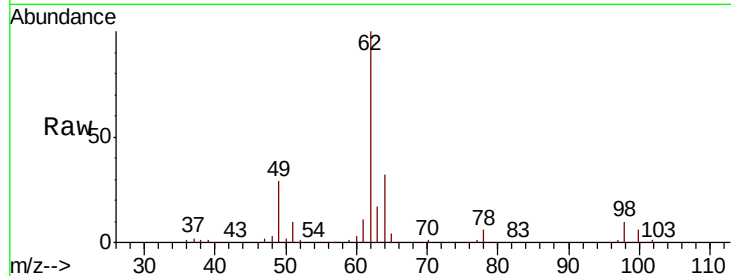
OILY-SOIL

Tot Ion: 62 Resp: 1744448

Ion Ratio Lower Upper

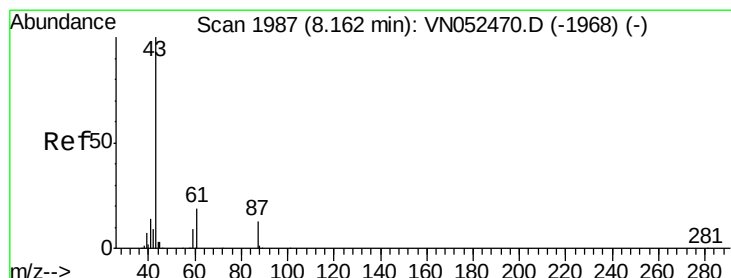
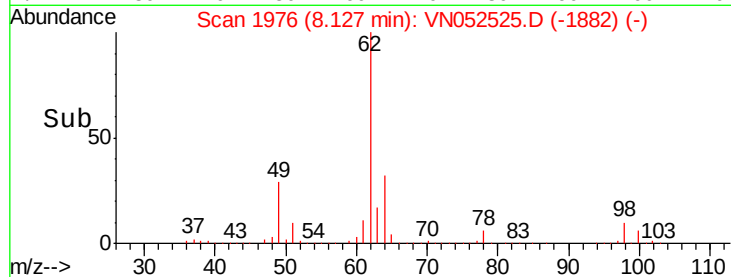
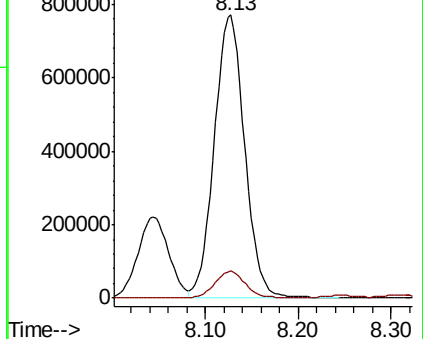
62 100

98 9.7 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: 2.543 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

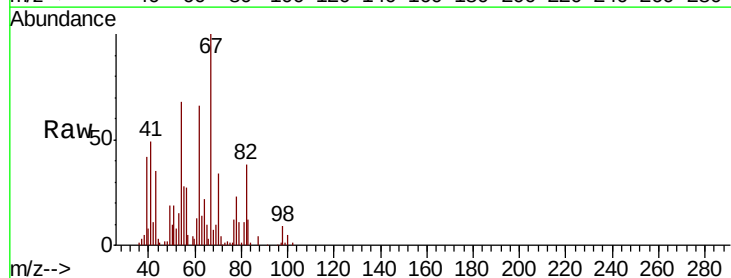
Tgt Ion: 43 Resp: 55259

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

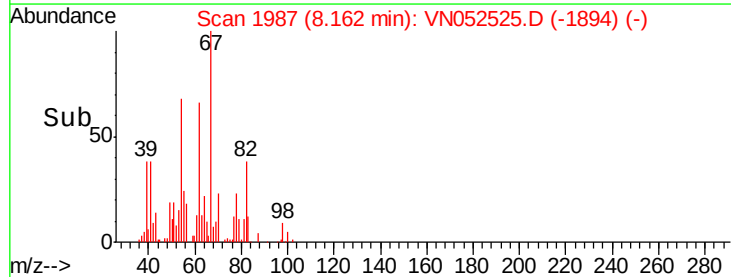
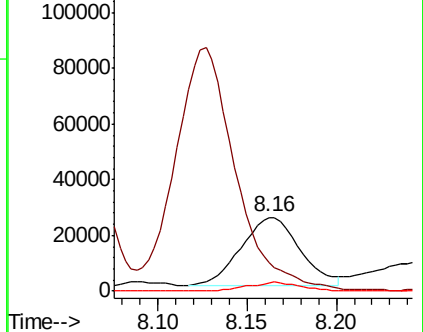
87 12.4 10.6 15.8

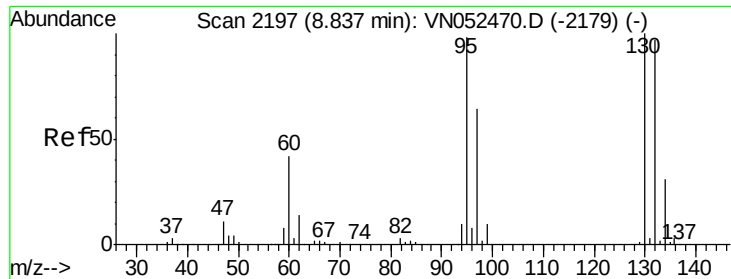


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

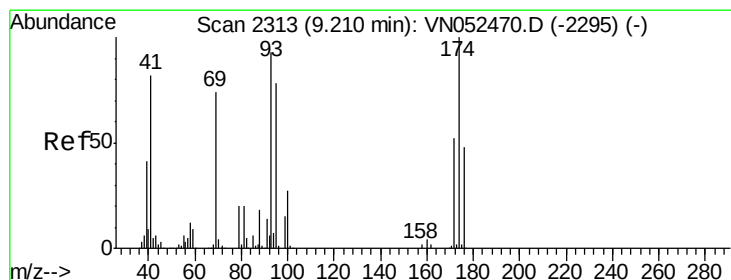
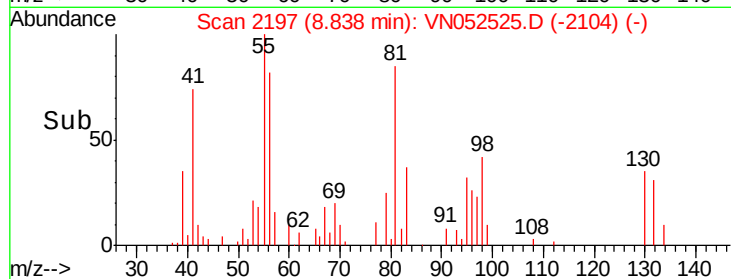
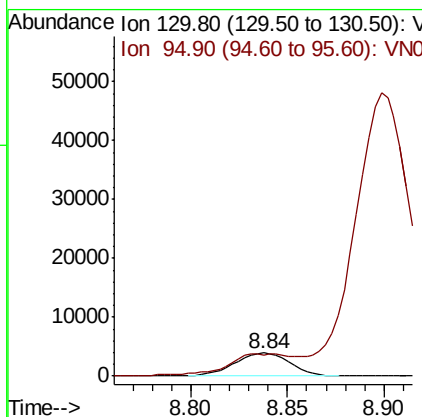
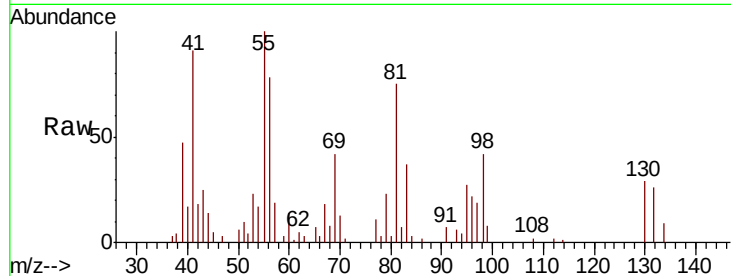




#44
 Trichloroethene
 Concen: 0.488 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052525.D
 Acq: 28 Nov 2018 17:41

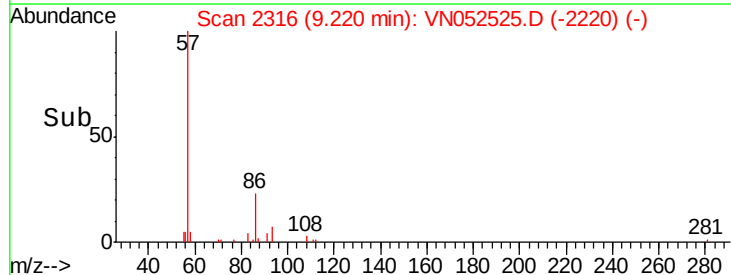
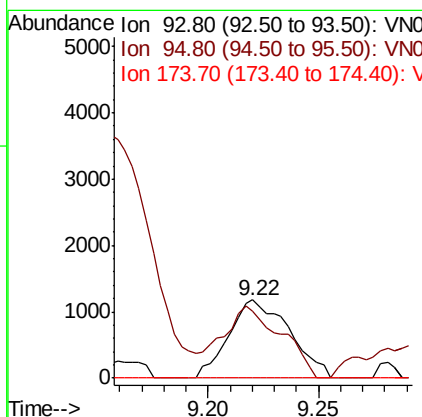
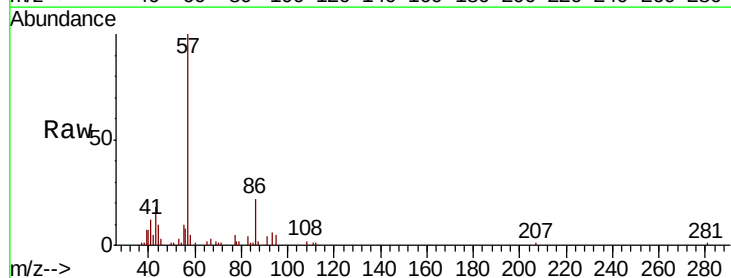
Instrument :
 MSVOA_N
 ClientSampled :
 OILY-SOIL

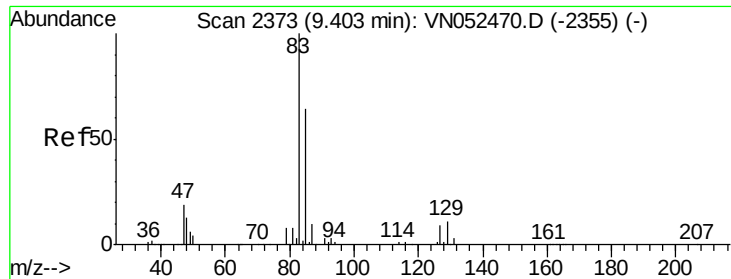
Tot Ion:130 Resp: 7834
 Ion Ratio Lower Upper
 130 100
 95 81.8 0.0 195.6



#46
 Dibromomethane
 Concen: 0.244 ug/l
 RT: 9.22 min Scan# 2316
 Delta R.T. 0.01 min
 Lab File: VN052525.D
 Acq: 28 Nov 2018 17:41

Tgt Ion: 93 Resp: 2248
 Ion Ratio Lower Upper
 93 100
 95 91.3 67.1 100.7
 174 0.0 85.8 128.8#





#47

Bromodichloromethane

Concen: 0.449 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.01 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

Instrument :

MSVOA_N

ClientSampled :

OILY-SOIL

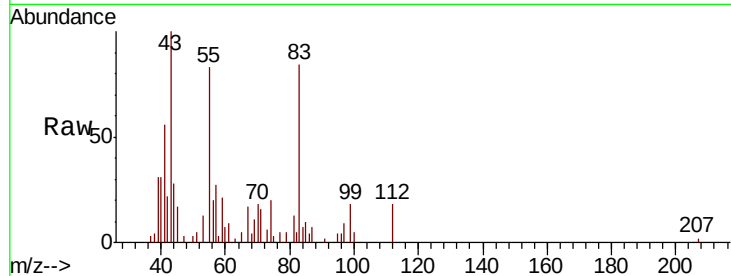
Tot Ion: 83 Resp: 9005

Ion Ratio Lower Upper

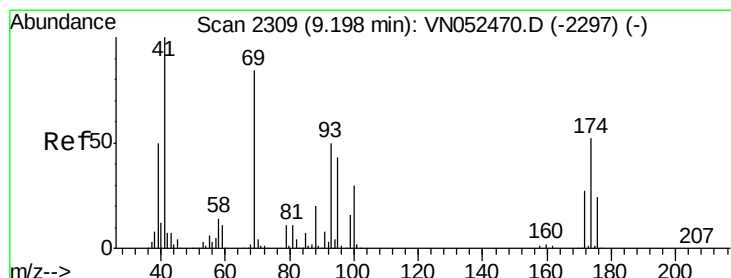
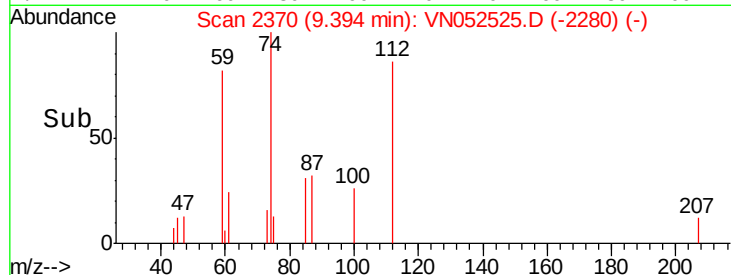
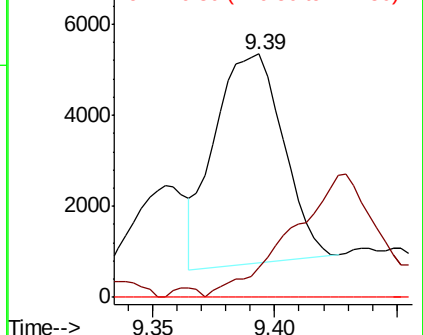
83 100

85 10.2 51.3 76.9#

127 0.0 6.9 10.3#



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



#48

Methyl methacrylate

Concen: 3.043 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

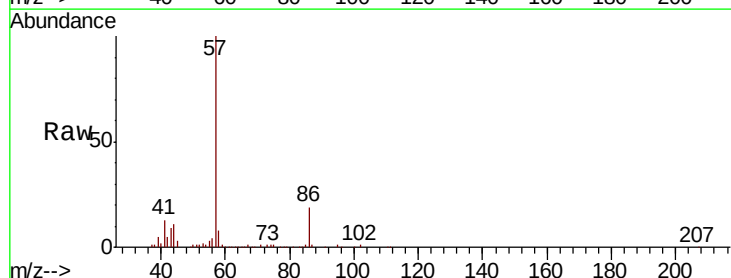
Tgt Ion: 41 Resp: 34481

Ion Ratio Lower Upper

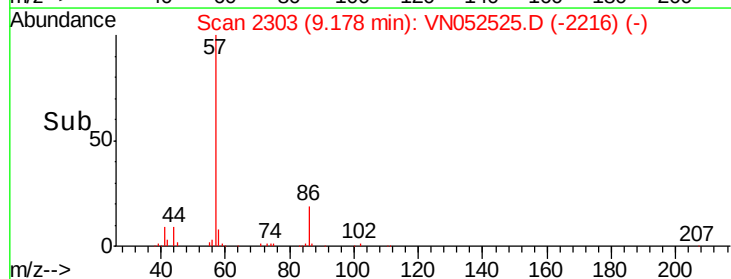
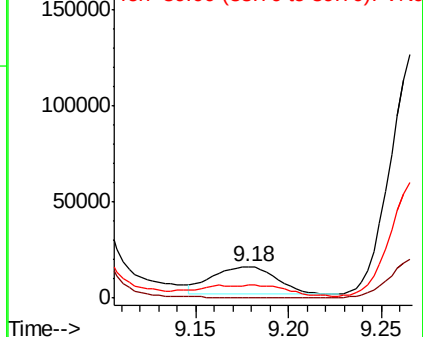
41 100

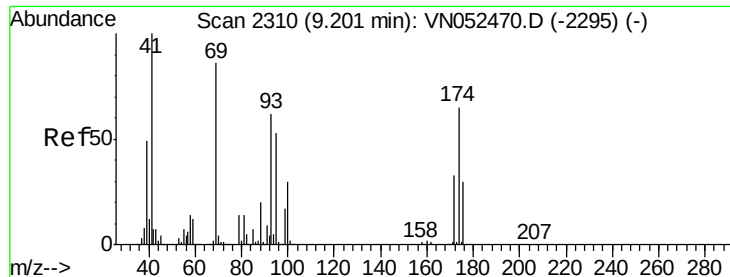
69 0.0 70.0 105.0#

39 0.0 42.6 64.0#



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





#49

1,4-Dioxane

Concen: 1.446 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOIL

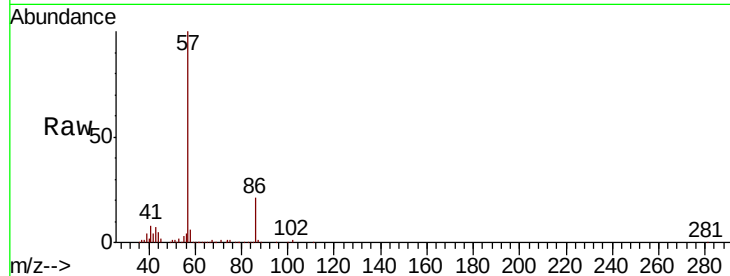
Tot Ion: 88 Resp: 170

Ion Ratio Lower Upper

88 100

43 0.0 26.4 39.6#

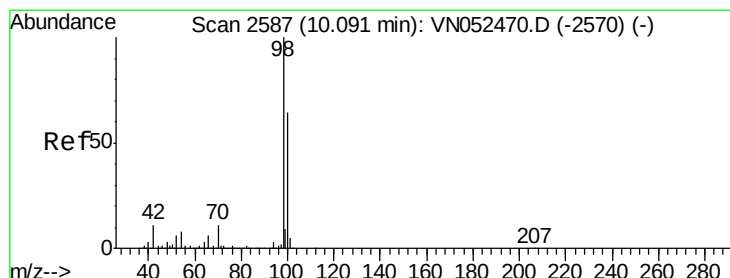
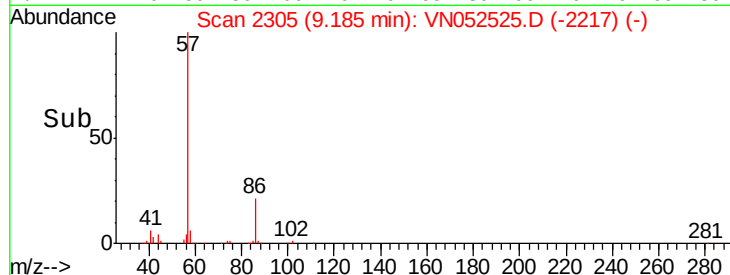
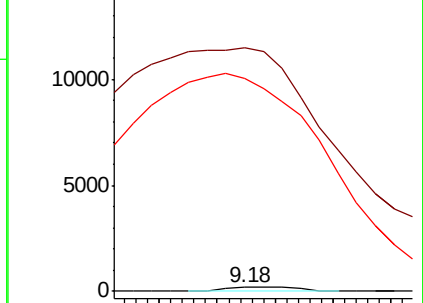
58 16940.6 55.4 83.0#



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: 1.446 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN052525.D

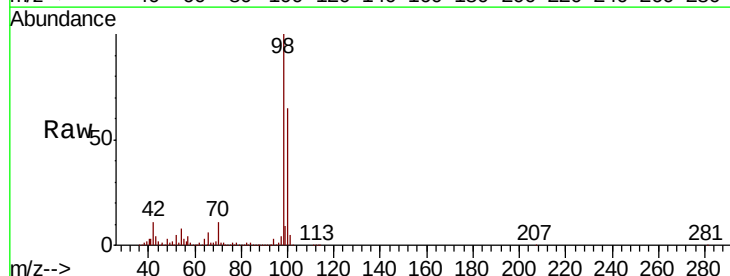
Acq: 28 Nov 2018 17:41

Tgt Ion: 98 Resp: 2717701

Ion Ratio Lower Upper

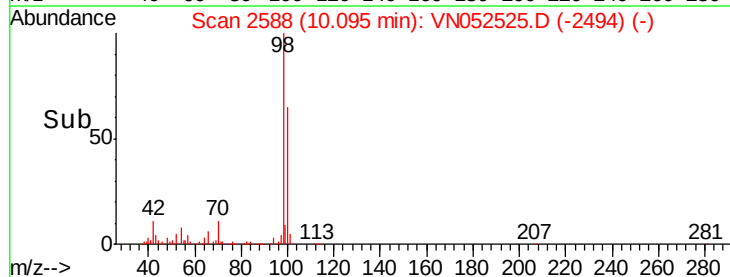
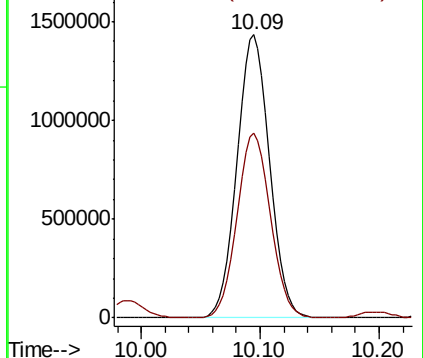
98 100

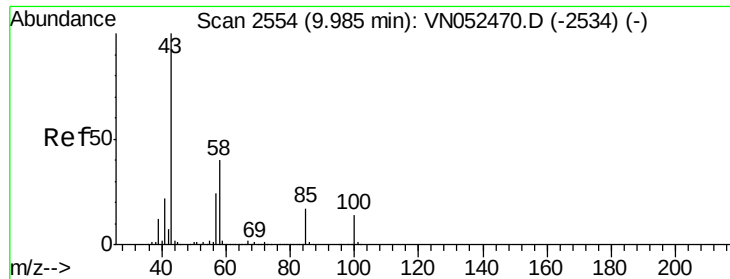
100 66.8 51.3 76.9



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: 95.896 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

Instrument :

MSVOA_N

ClientSampled :

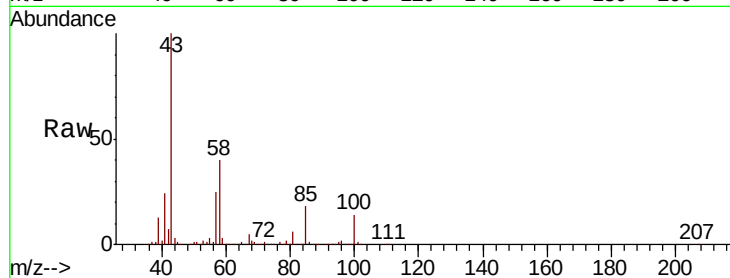
OILY-SOIL

Tot Ion: 43 Resp: 1169126

Ion Ratio Lower Upper

43 100

58 41.1 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-2534) (-)

9.99

600000

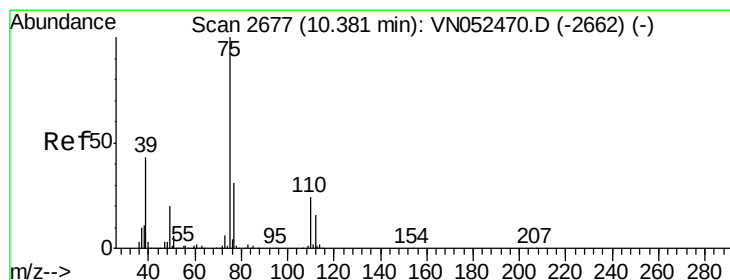
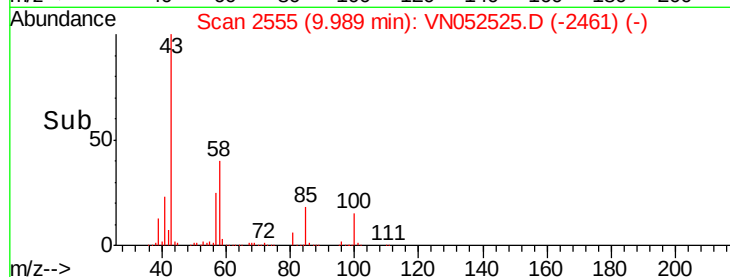
400000

200000

0

9.95 10.00

Time-->



#53

t-1,3-Dichloropropene

Concen: 89.708 ug/l

RT: 10.17 min Scan# 2610

Delta R.T. -0.22 min

Lab File: VN052525.D

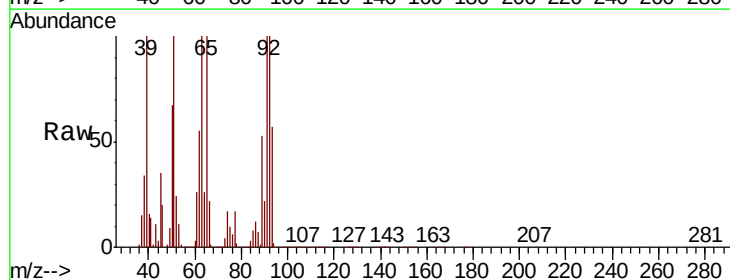
Acq: 28 Nov 2018 17:41

Tgt Ion: 75 Resp: 1731507

Ion Ratio Lower Upper

75 100

77 166.9 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-2662) (-)

Ion 76.90 (76.60 to 77.60): VN052470.D (-2662) (-)

10.17

1500000

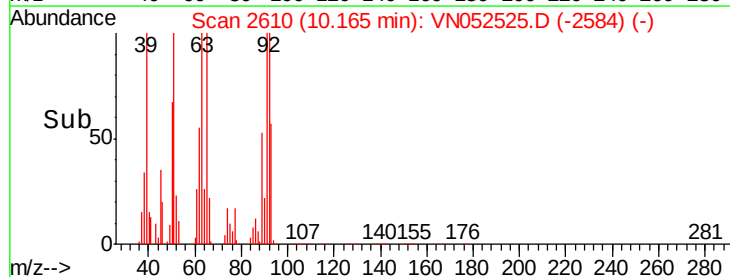
1000000

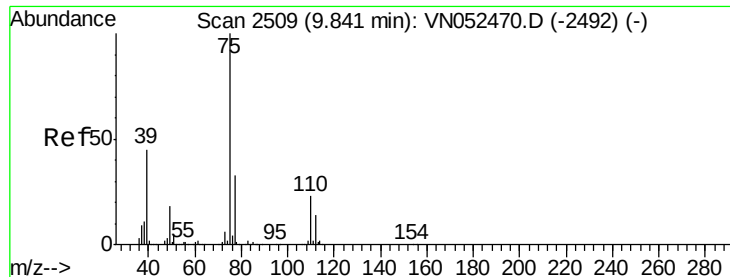
500000

0

10.10 10.20

Time-->



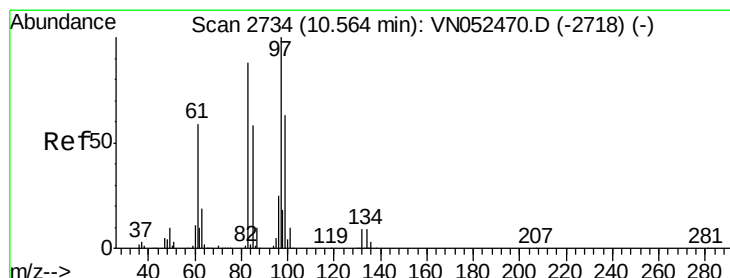
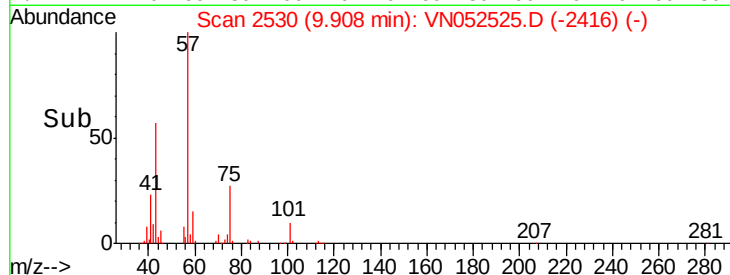
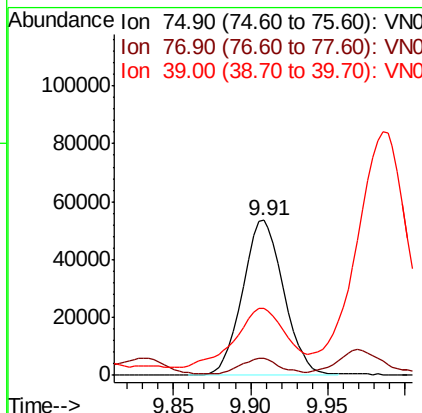
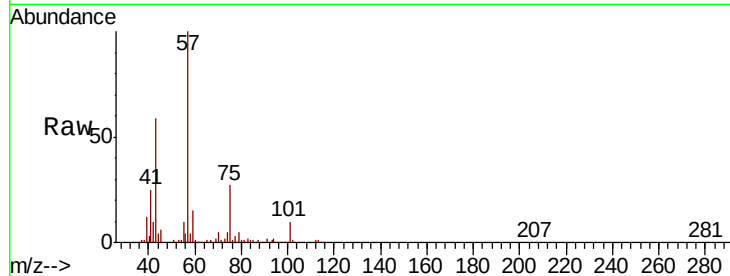


#54

cis-1,3-Dichloropropene
 Concen: 4.295 ug/l
 RT: 9.91 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN052525.D
 Acq: 28 Nov 2018 17:41

Instrument :
 MSVOA_N
 ClientSampled :
 OILY-SOIL

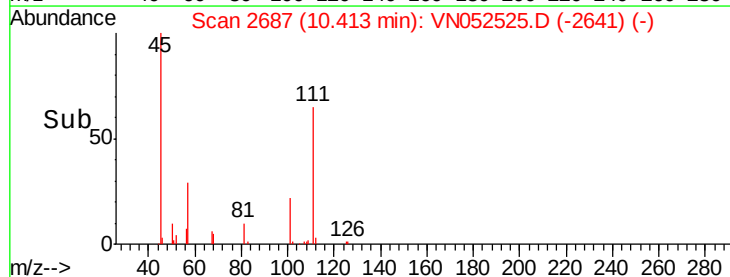
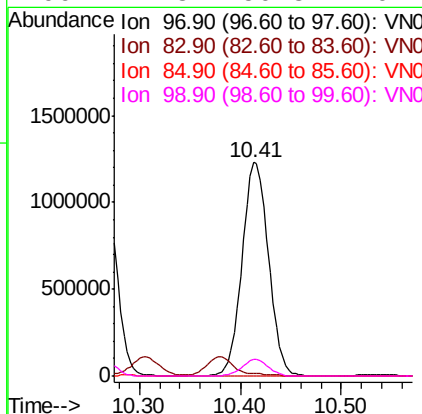
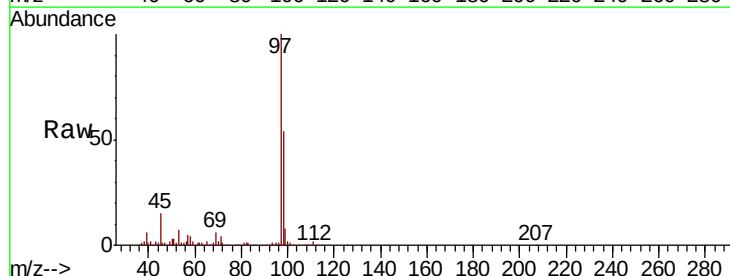
Tot Ion: 75 Resp: 99341
 Ion Ratio Lower Upper
 75 100
 77 9.0 26.2 39.2#
 39 37.1 36.0 54.0

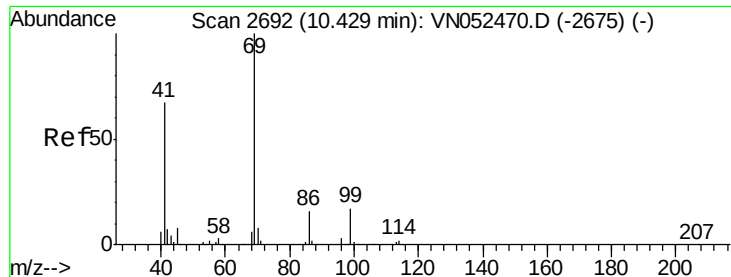


#55

1,1,2-Trichloroethane
 Concen: 169.154 ug/l
 RT: 10.41 min Scan# 2687
 Delta R.T. -0.15 min
 Lab File: VN052525.D
 Acq: 28 Nov 2018 17:41

Tgt Ion: 97 Resp: 2216572
 Ion Ratio Lower Upper
 97 100
 83 1.1 70.7 106.1#
 85 0.0 46.1 69.1#
 99 7.8 50.8 76.2#

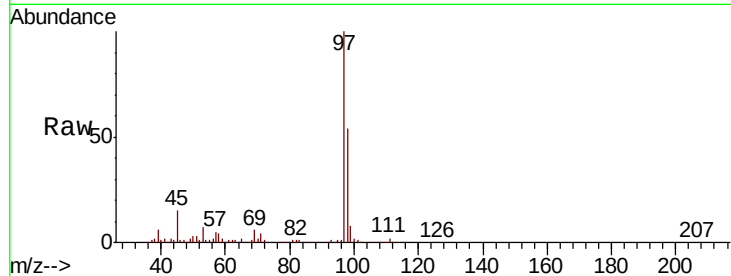




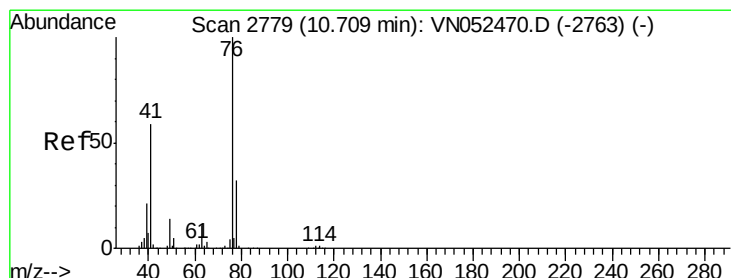
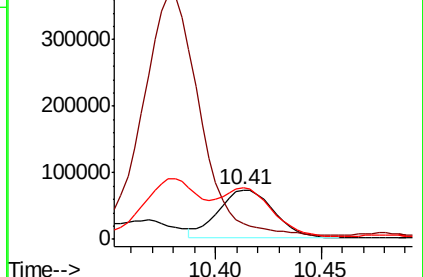
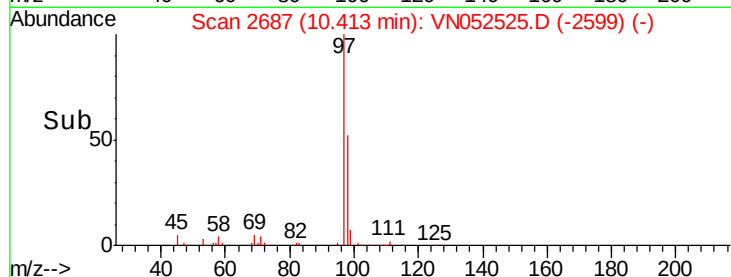
#56
Ethyl methacrylate
Concen: 9.527 ug/l
RT: 10.41 min Scan# 2687
Delta R.T. -0.02 min
Lab File: VN052525.D
Acq: 28 Nov 2018 17:41

Instrument :
MSVOA_N
ClientSampled :
OILY-SOIL

Tot Ion: 69 Resp: 131434
Ion Ratio Lower Upper
69 100
41 0.0 52.6 79.0#
39 0.0 25.9 38.9#

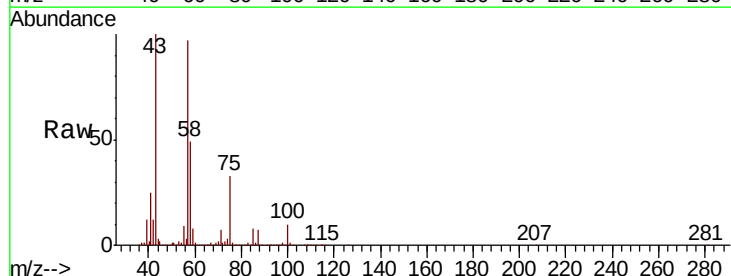


Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

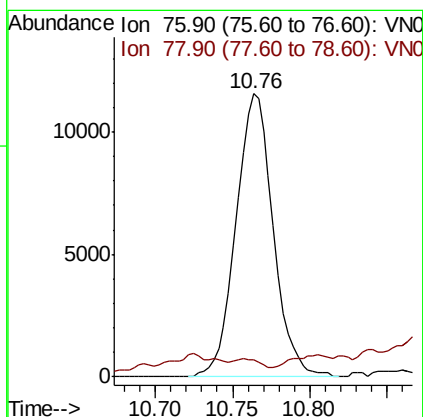
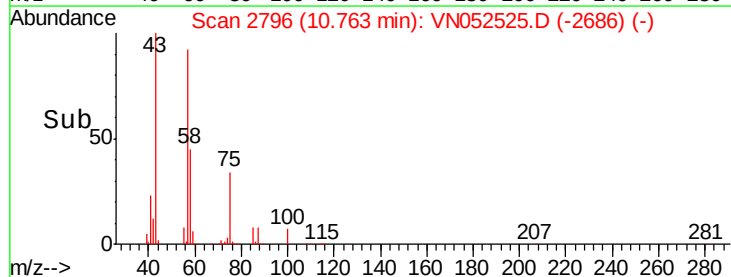


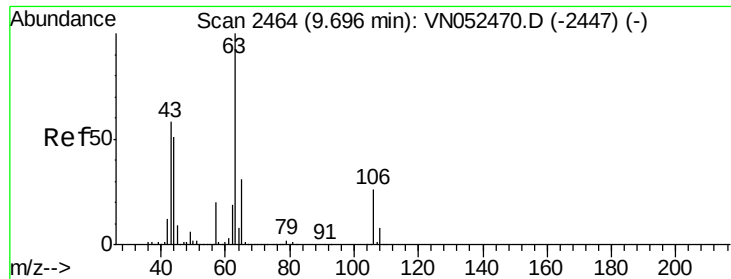
#57
1,3-Dichloropropane
Concen: 0.835 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.05 min
Lab File: VN052525.D
Acq: 28 Nov 2018 17:41

Tgt Ion: 76 Resp: 19311
Ion Ratio Lower Upper
76 100
78 1.7 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0
Ion 77.90 (77.60 to 78.60): VN0





#58

2-Chloroethyl Vinyl ether

Concen: 0.215 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.01 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

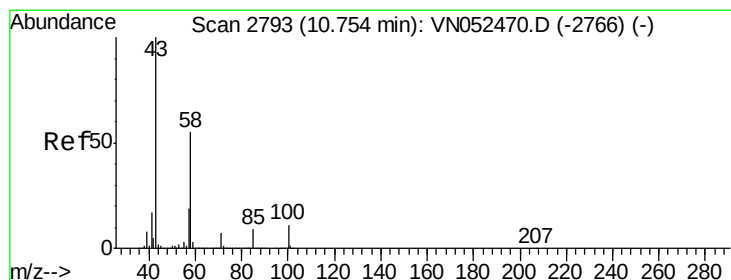
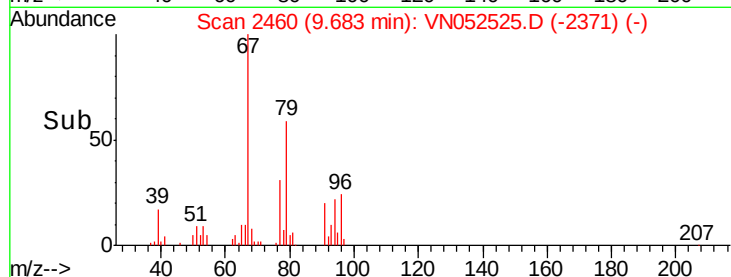
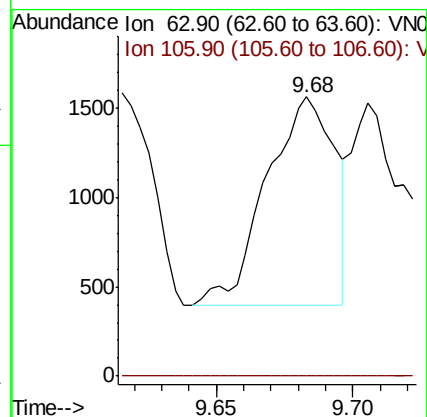
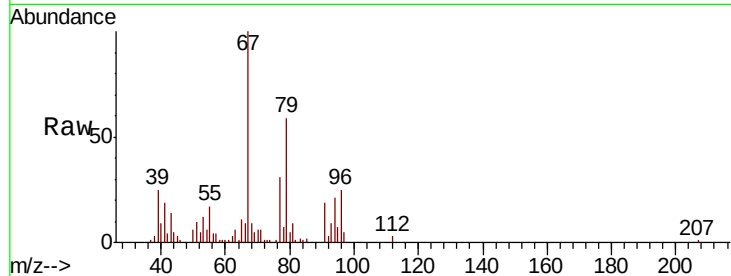
OILY-SOIL

Tot Ion: 63 Resp: 2041

Ion Ratio Lower Upper

63 100

106 0.0 20.6 30.8#



#59

2-Hexanone

Concen: 362.890 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN052525.D

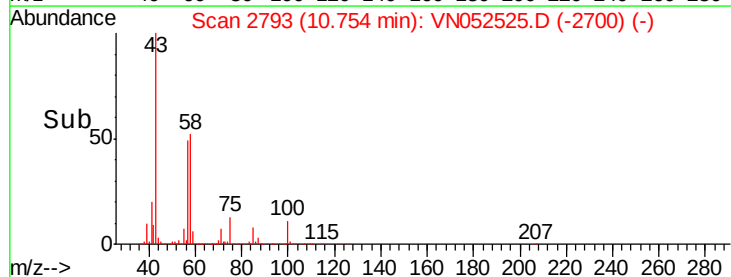
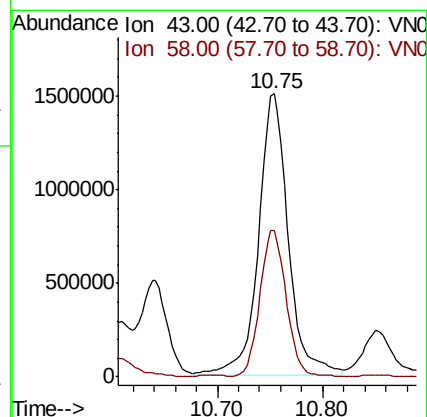
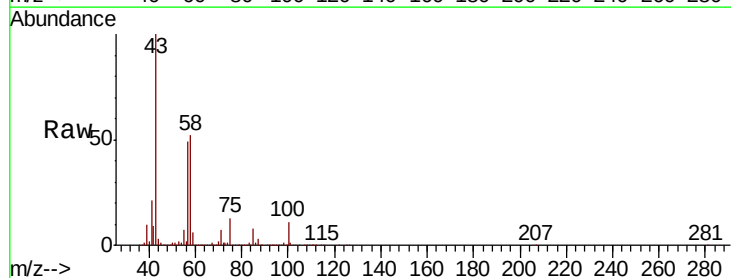
Acq: 28 Nov 2018 17:41

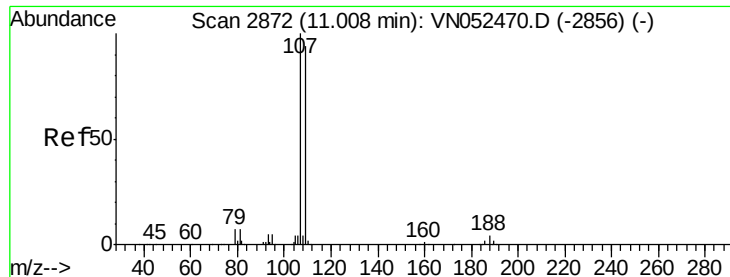
Tgt Ion: 43 Resp: 2969318

Ion Ratio Lower Upper

43 100

58 45.3 27.4 82.0





#61

1,2-Dibromoethane

Concen: 4.266 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

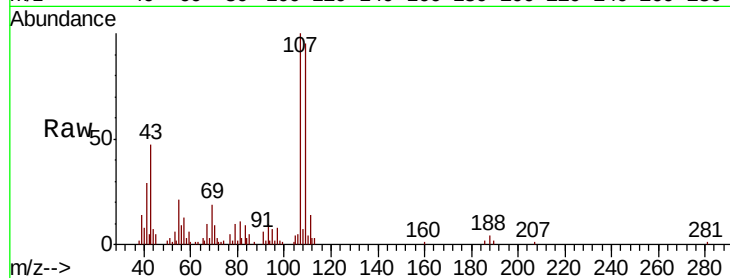
OILY-SOIL

Tot Ion:107 Resp: 55517

Ion Ratio Lower Upper

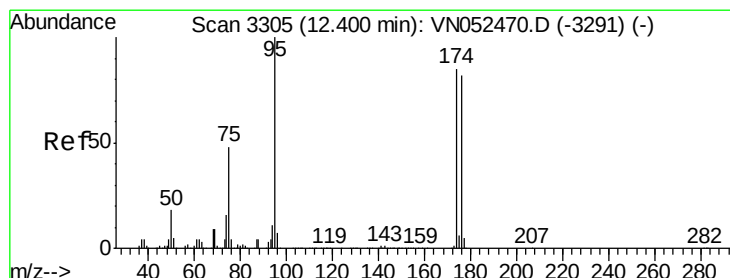
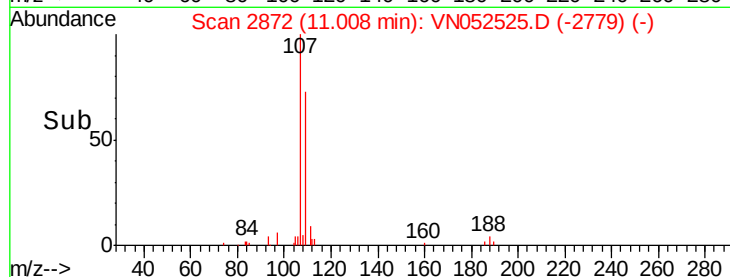
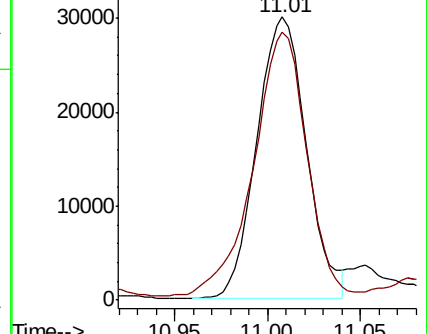
107 100

109 100.8 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.266 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

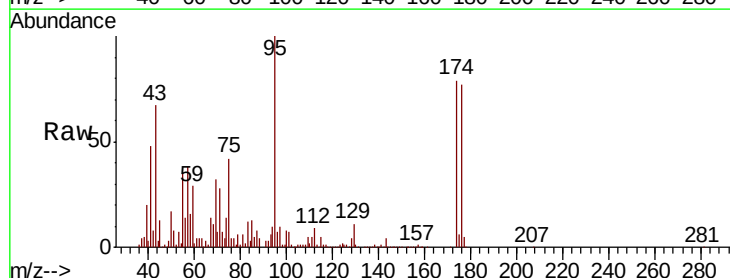
Tgt Ion: 95 Resp: 1201174

Ion Ratio Lower Upper

95 100

174 63.0 0.0 173.0

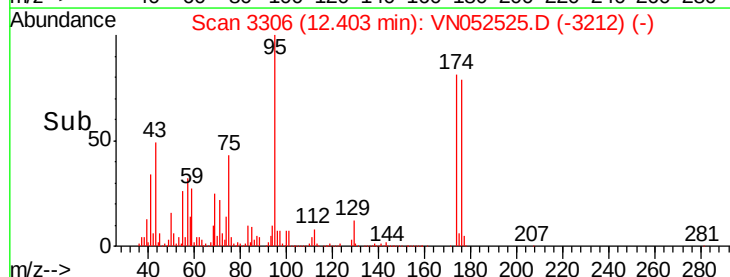
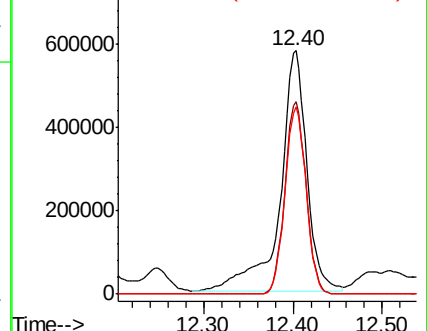
176 61.0 0.0 166.2

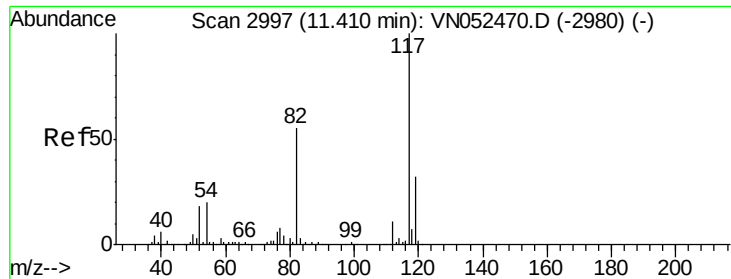


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

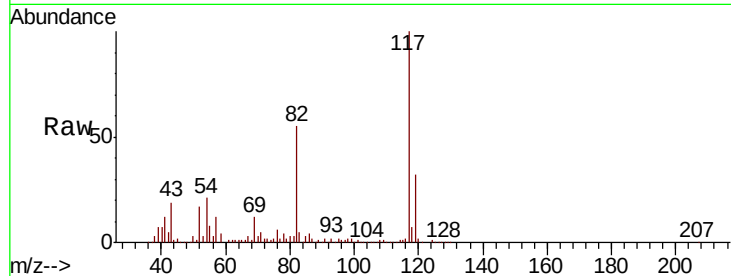




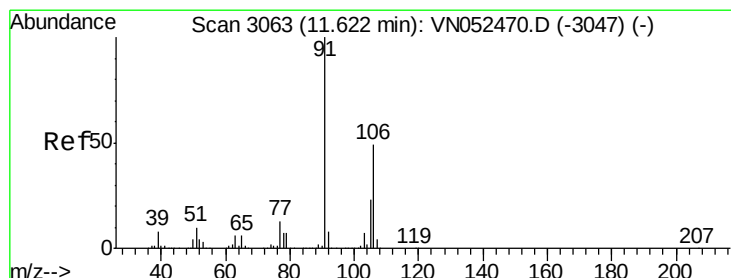
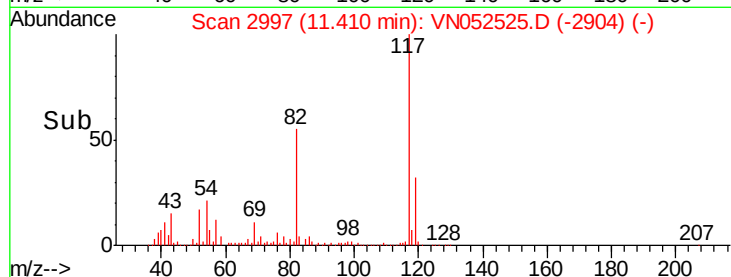
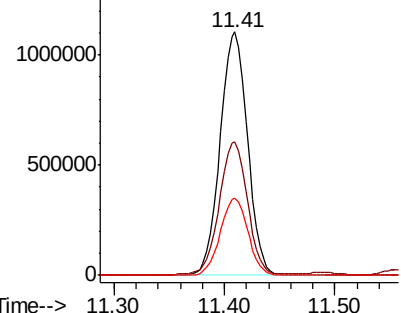
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052525.D
Acq: 28 Nov 2018 17:41

Instrument :
MSVOA_N
ClientSampled :
OILY-SOIL

Tot Ion:117 Resp: 1899099
Ion Ratio Lower Upper
117 100
82 54.7 43.6 65.4
119 31.9 25.4 38.2

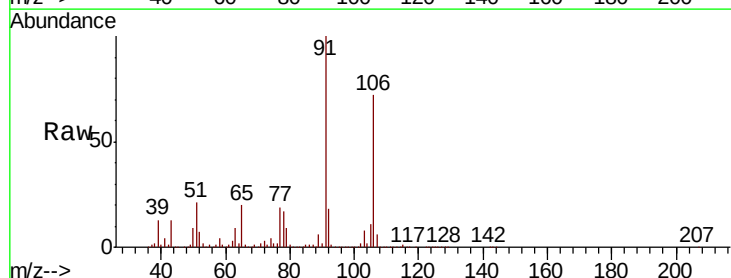


Abundance Ion 116.90 (116.60 to 117.60): V
1500000 Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

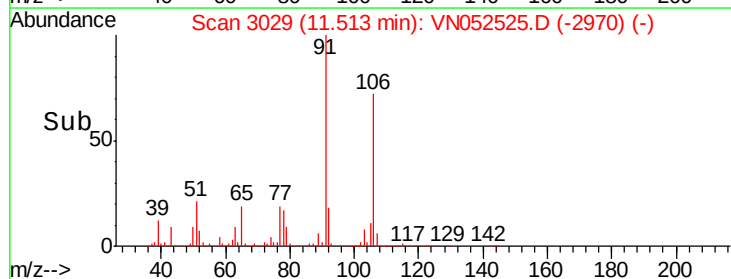
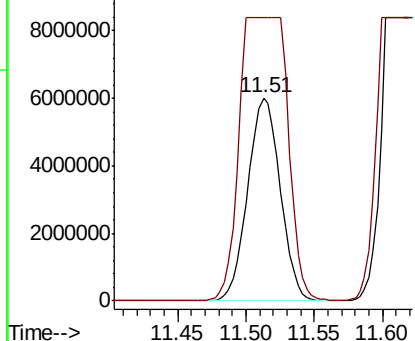


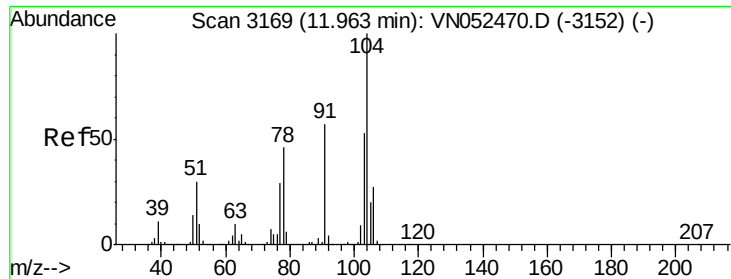
#68
m/p-Xylenes
Concen: 390.087 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.11 min
Lab File: VN052525.D
Acq: 28 Nov 2018 17:41

Tgt Ion:106 Resp: 9958416
Ion Ratio Lower Upper
106 100
91 0.0 163.2 244.8#



Abundance Ion 106.00 (105.70 to 106.70): V
1e+07 Ion 91.00 (90.70 to 91.70): VN

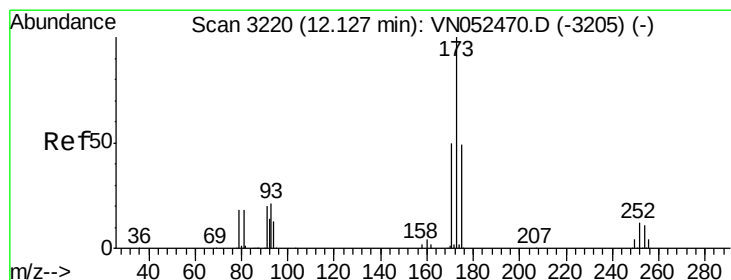
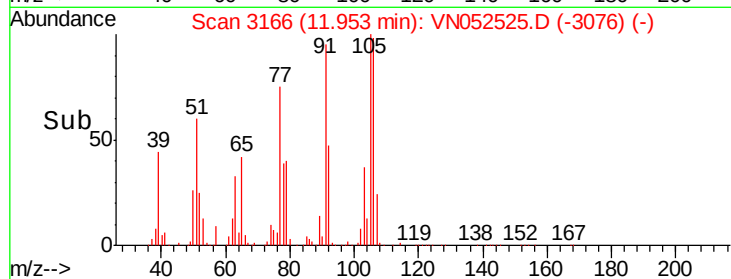
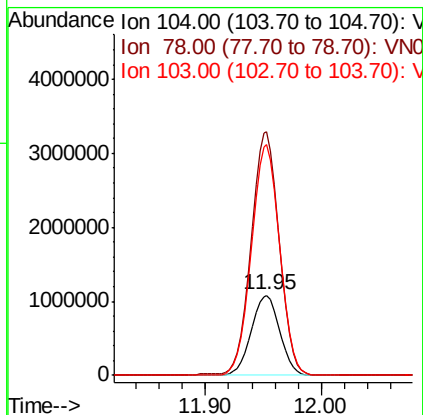
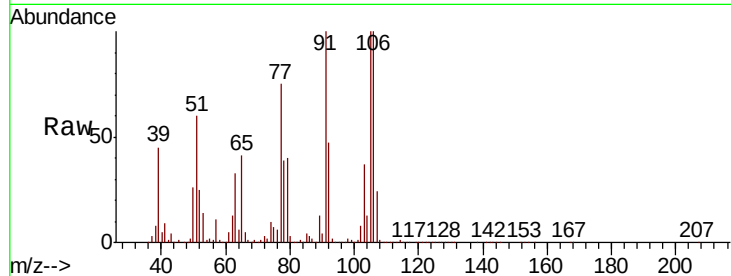




#70
Stvrene
Concen: 46.948 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. -0.01 min
Lab File: VN052525.D
Acq: 28 Nov 2018 17:41

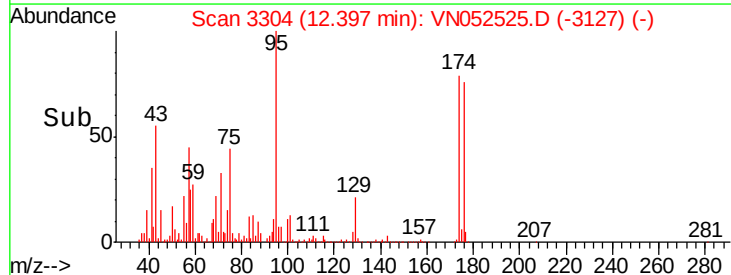
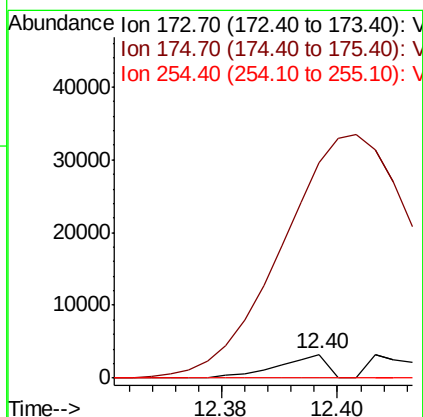
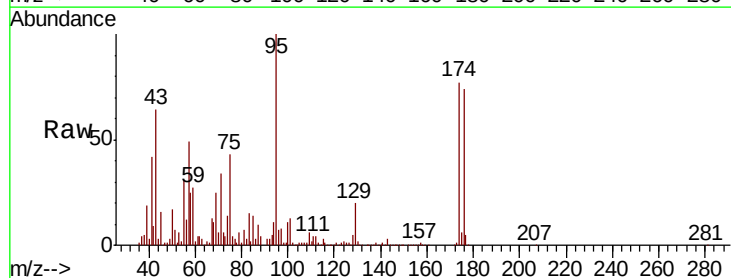
Instrument :
MSVOA_N
ClientSampled :
OILY-SOIL

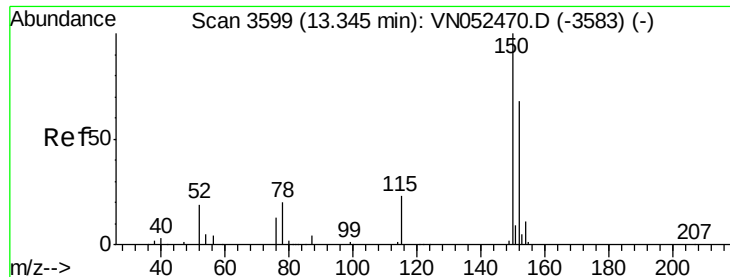
Tot Ion:104 Resp: 1853772
Ion Ratio Lower Upper
104 100
78 299.5 39.4 59.2#
103 286.7 44.9 67.3#



#71
Bromoform
Concen: 0.207 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN052525.D
Acq: 28 Nov 2018 17:41

Tgt Ion:173 Resp: 1863
Ion Ratio Lower Upper
173 100
175 0.0 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: VN052525.D

Acq: 28 Nov 2018 17:41

Instrument :

MSVOA_N

ClientSampled :

OILY-SOIL

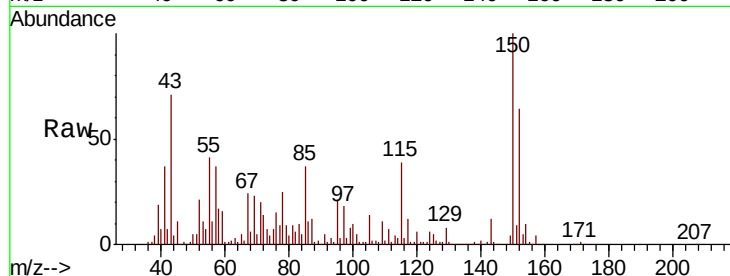
Tot Ion:152 Resp: 863521

Ion Ratio Lower Upper

152 100

115 58.3 28.4 85.2

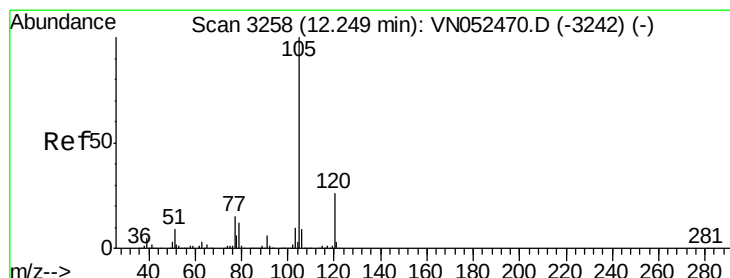
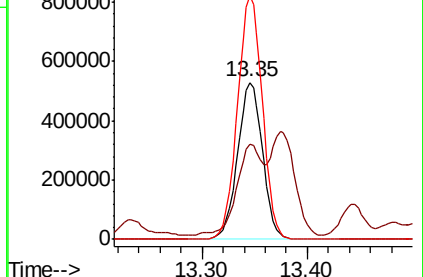
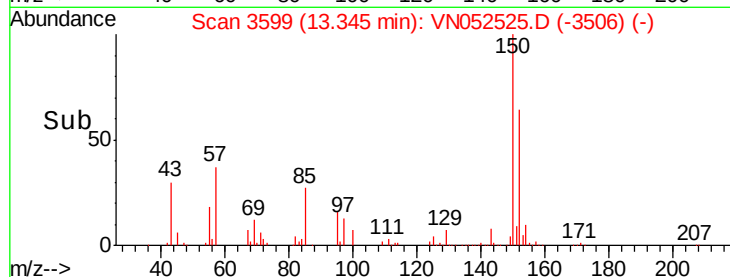
150 154.1 0.0 346.0



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: 15.808 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052525.D

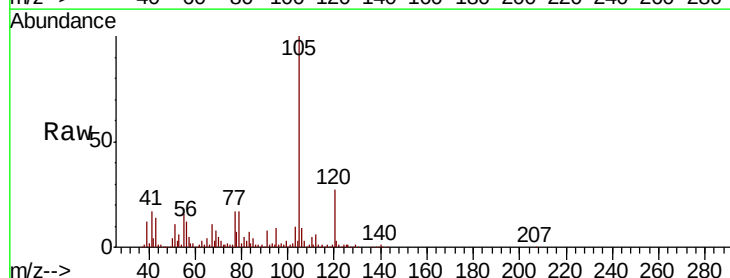
Acq: 28 Nov 2018 17:41

Tgt Ion:105 Resp: 1070943

Ion Ratio Lower Upper

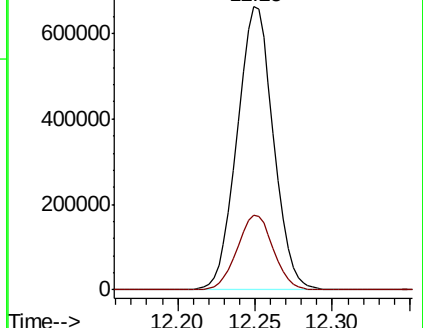
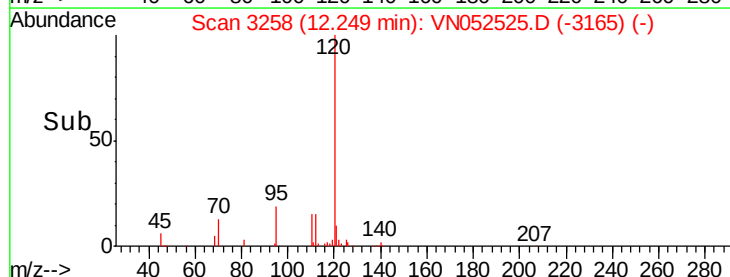
105 100

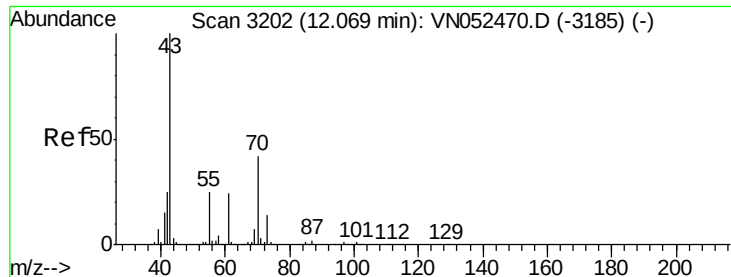
120 26.5 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 205.719 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOIL

Tot Ion: 43 Resp: 3521075

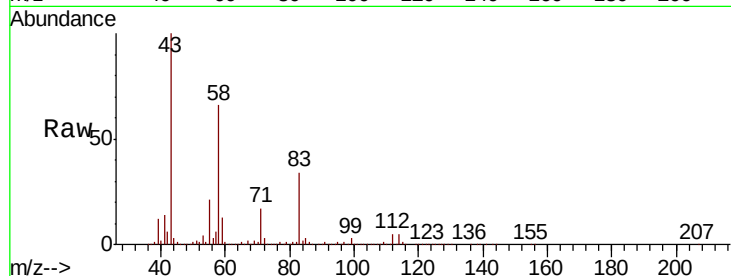
Ion Ratio Lower Upper

43 100

70 0.3 33.8 50.8#

55 21.2 20.0 30.0

61 0.0 19.7 29.5#

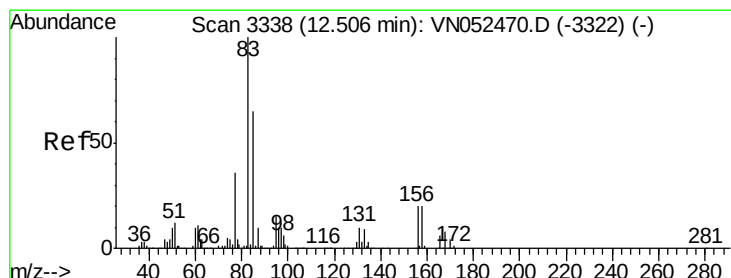
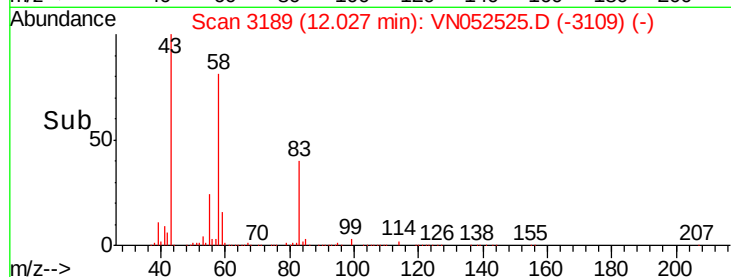
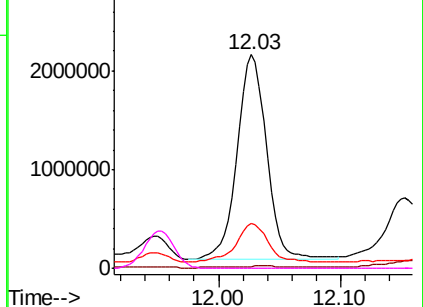


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 13.776 ug/l

RT: 12.52 min Scan# 3341

Delta R.T. 0.01 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

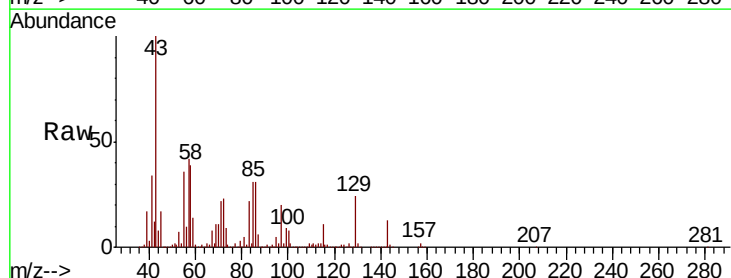
Tgt Ion: 83 Resp: 212304

Ion Ratio Lower Upper

83 100

131 1.4 5.0 15.0#

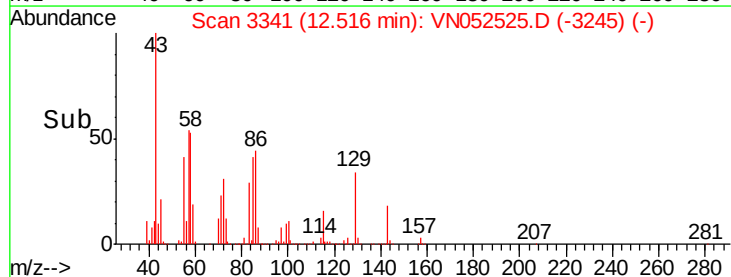
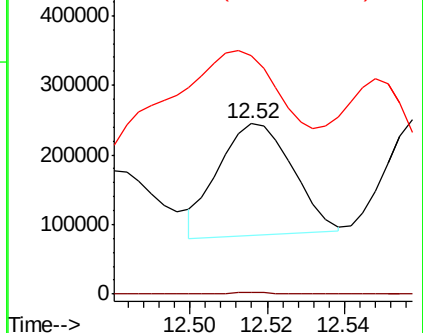
85 428.7 31.9 95.9#

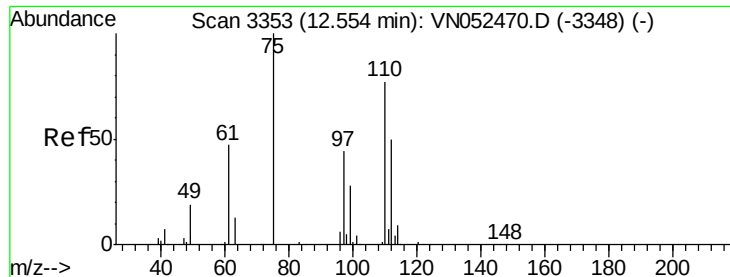


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 1.103 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.04 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

Instrument :

MSVOA_N

ClientSampled :

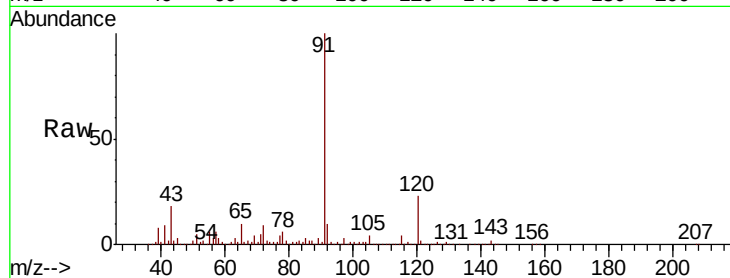
OILY-SOIL

Tot Ion: 75 Resp: 14682

Ion Ratio Lower Upper

75 100

77 639.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

1500000

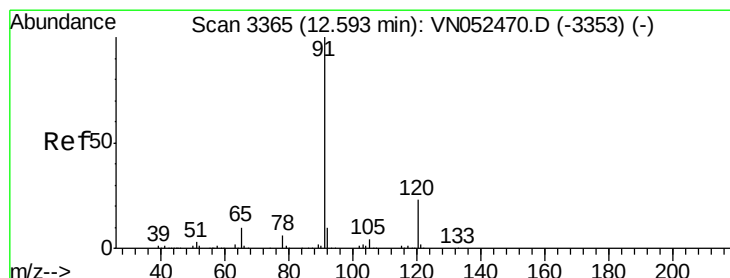
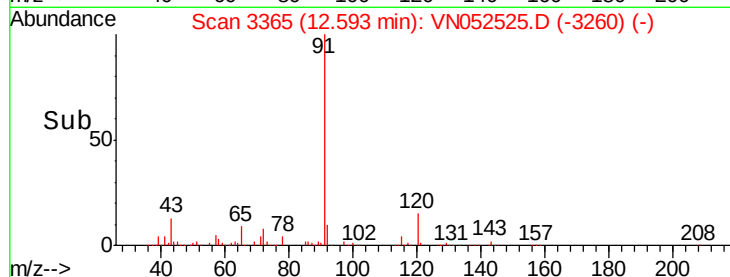
1000000

500000

0

12.55 12.60

Time-->



#78

n-propylbenzene

Concen: 38.439 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052525.D

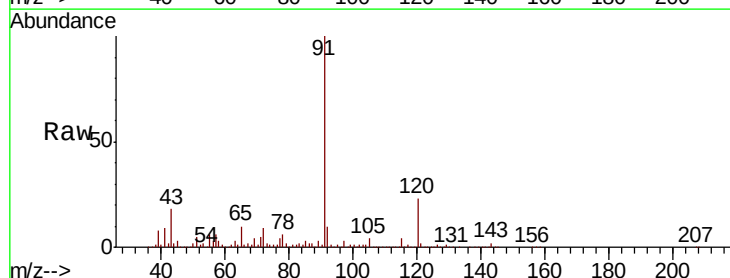
Acq: 28 Nov 2018 17:41

Tgt Ion: 91 Resp: 2958450

Ion Ratio Lower Upper

91 100

120 23.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

4000000

3000000

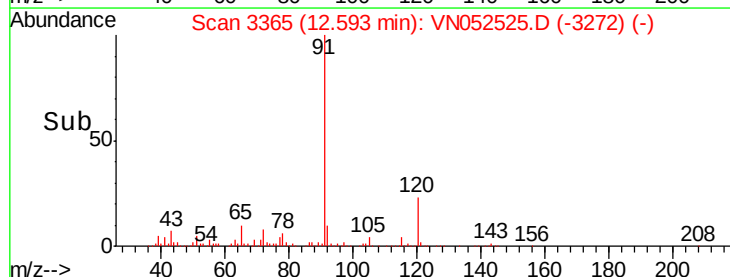
2000000

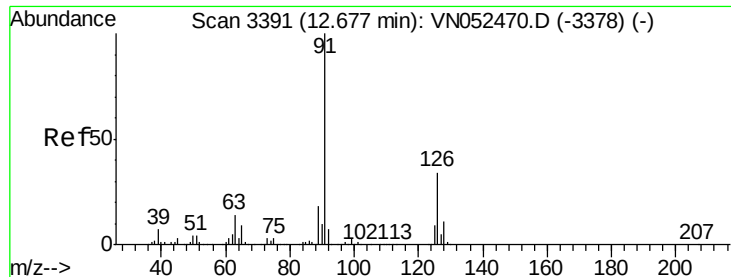
1000000

0

12.55 12.60 12.65

Time-->

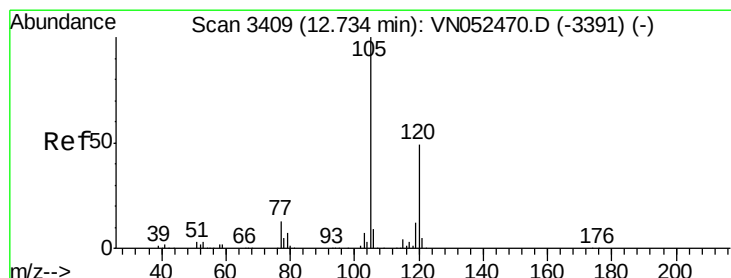
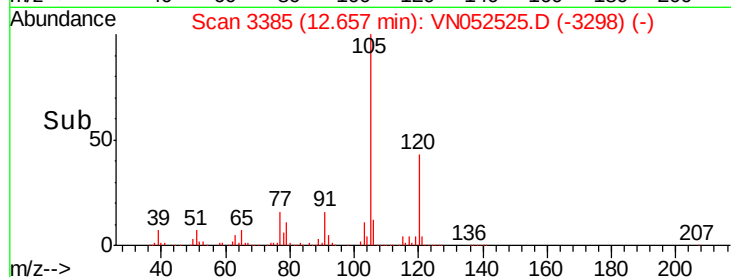
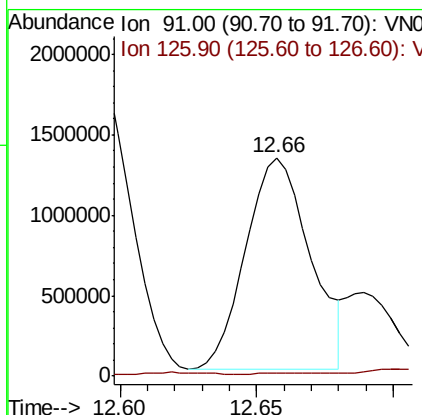
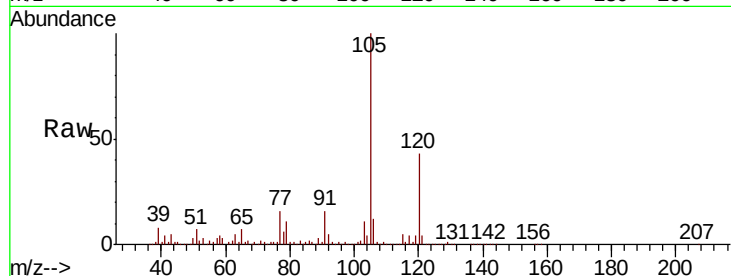




#79
 2-Chlorotoluene
 Concen: 47.330 ug/l
 RT: 12.66 min Scan# 3385
 Delta R.T. -0.02 min
 Lab File: VN052525.D
 Acq: 28 Nov 2018 17:41

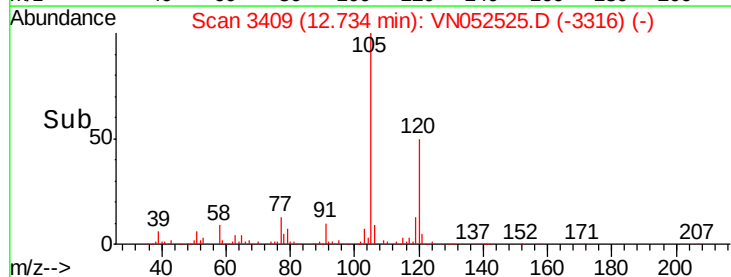
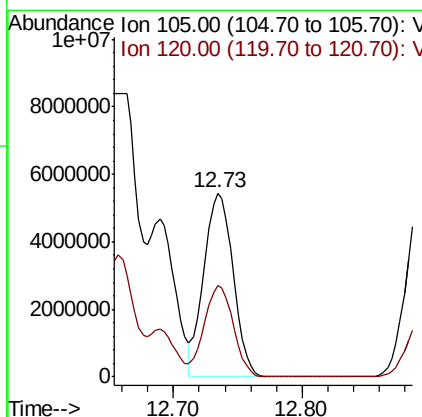
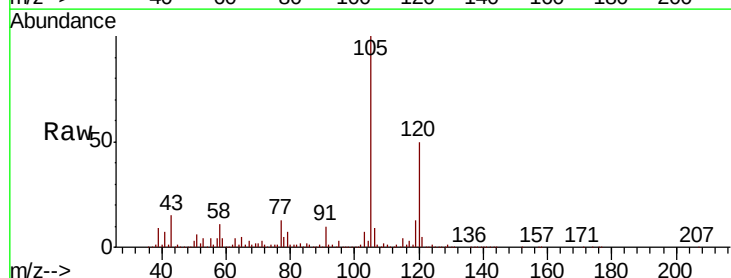
Instrument :
 MSVOA_N
 ClientSampled :
 OILY-SOIL

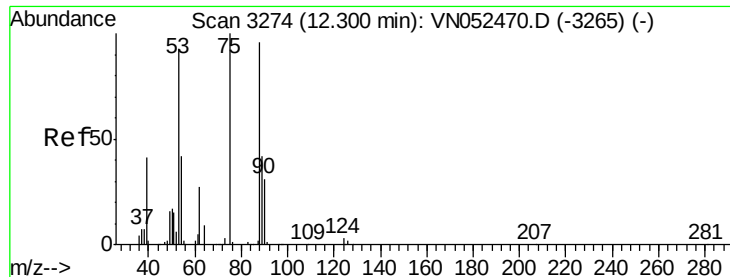
Tot Ion: 91 Resp: 2169292
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.2 51.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 159.036 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052525.D
 Acq: 28 Nov 2018 17:41

Tgt Ion: 105 Resp: 8593086
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.3 73.0

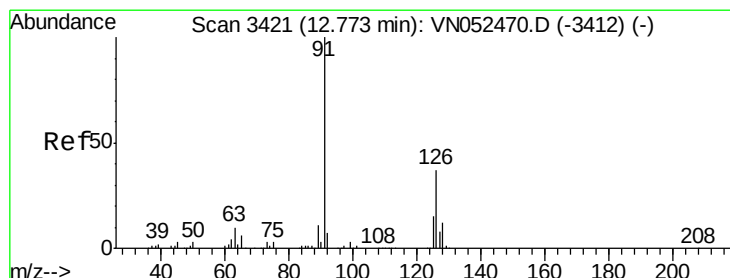
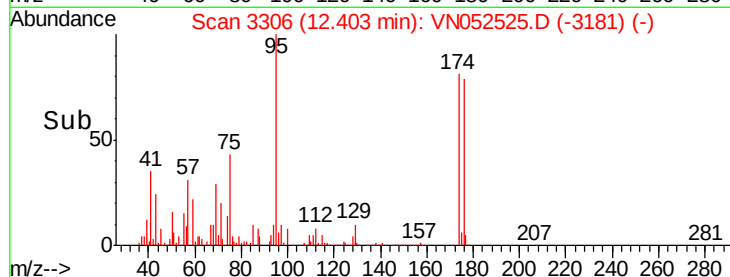
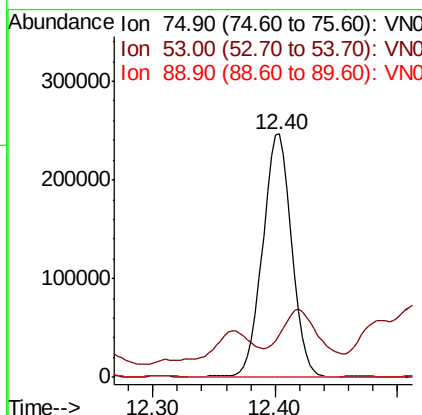
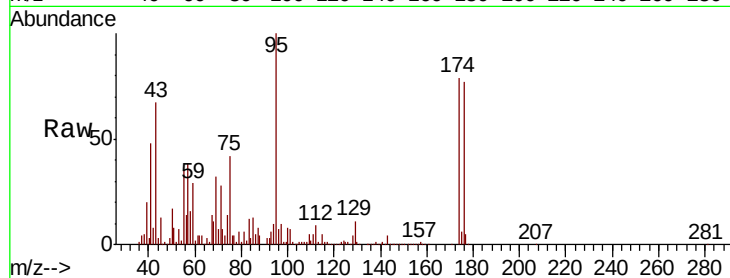




#81
trans-1,4-Dichloro-2-butene
Concen: 102.134 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN052525.D
Acq: 28 Nov 2018 17:41

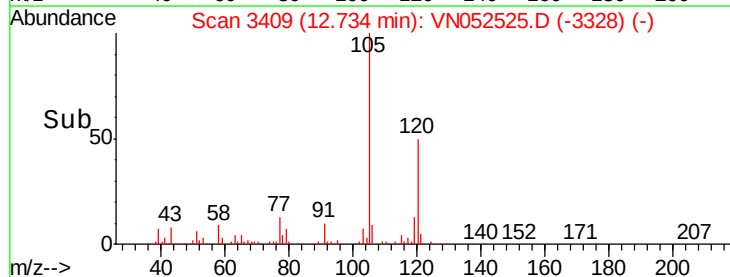
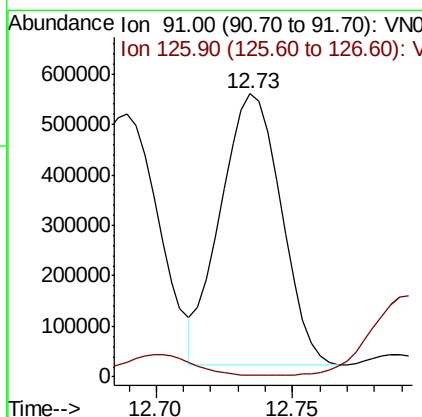
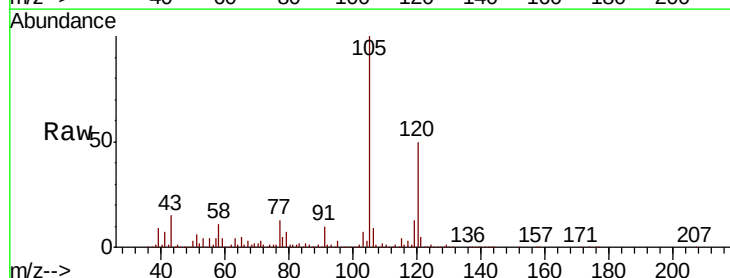
Instrument :
MSVOA_N
ClientSampleId :
OILY-SOIL

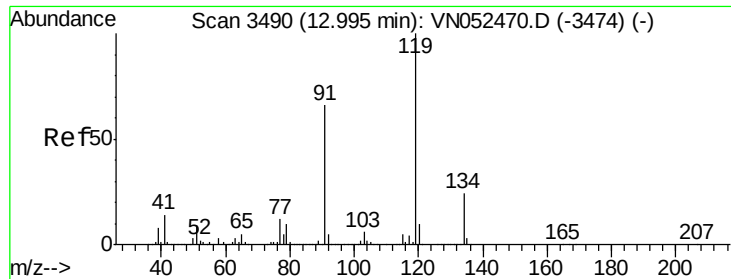
Tot Ion: 75 Resp: 407248
Ion Ratio Lower Upper
75 100
53 19.8 77.4 116.0#
89 0.0 35.4 53.2#



#82
4-Chlorotoluene
Concen: 17.983 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. -0.04 min
Lab File: VN052525.D
Acq: 28 Nov 2018 17:41

Tgt Ion: 91 Resp: 830696
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#

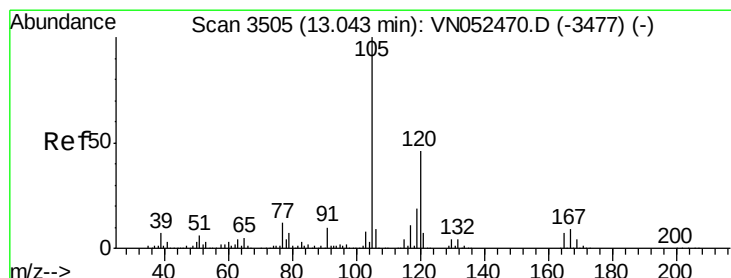
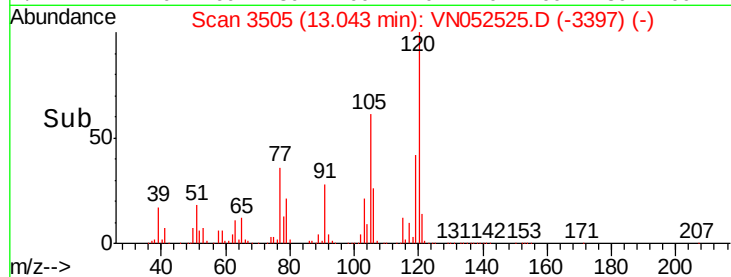
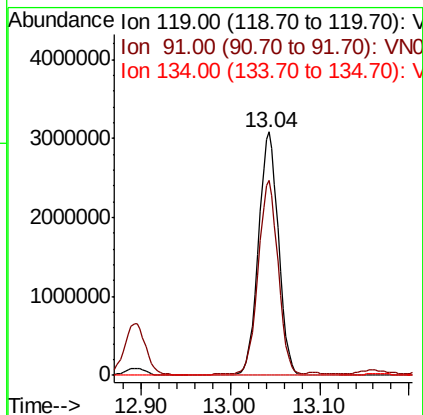
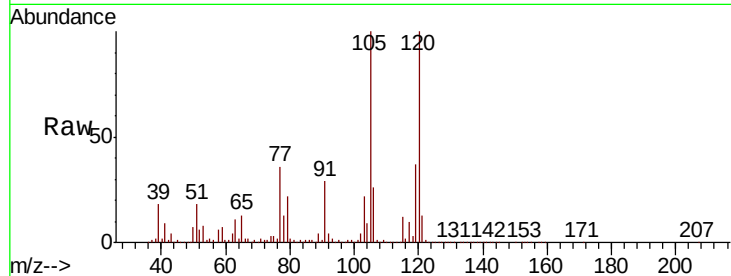




#83
 tert-Butylbenzene
 Concen: 99.925 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.05 min
 Lab File: VN052525.D
 Acq: 28 Nov 2018 17:41

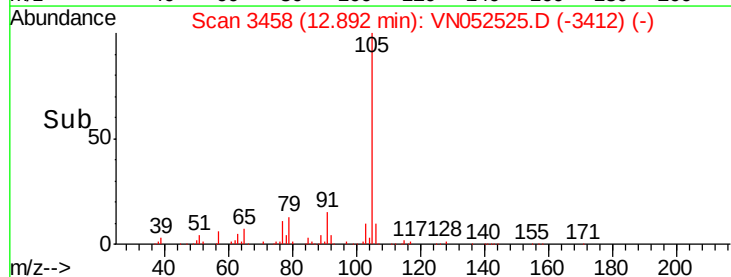
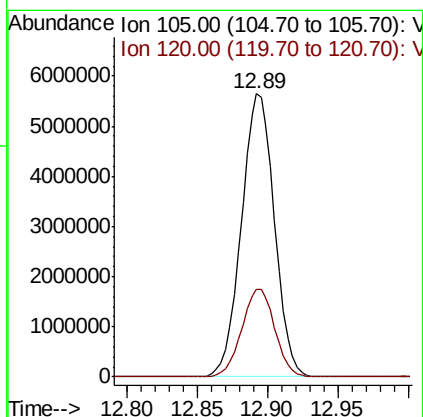
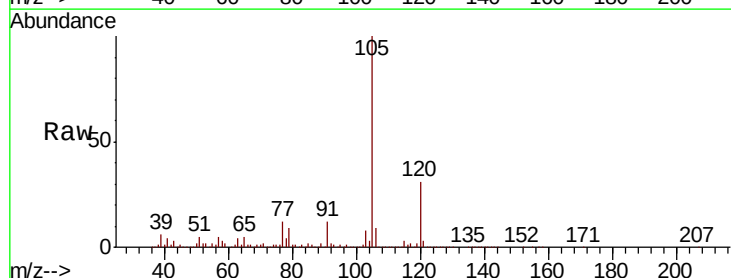
Instrument :
 MSVOA_N
 ClientSampled :
 OILY-SOIL

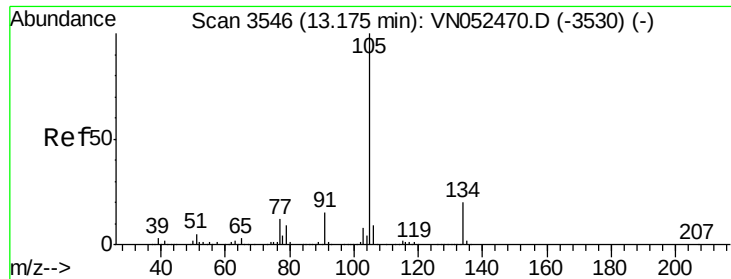
Tot Ion:119 Resp: 4813344
 Ion Ratio Lower Upper
 119 100
 91 79.9 32.3 96.9
 134 0.0 13.0 38.9#



#84
 1,2,4-Trimethylbenzene
 Concen: 170.576 ug/l
 RT: 12.89 min Scan# 3458
 Delta R.T. -0.15 min
 Lab File: VN052525.D
 Acq: 28 Nov 2018 17:41

Tgt Ion:105 Resp: 9236589
 Ion Ratio Lower Upper
 105 100
 120 31.0 22.8 68.4





#85

sec-Butylbenzene

Concen: 210.615 ug/l

RT: 13.37 min Scan# 3608

Delta R.T. 0.20 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

Instrument :

MSVOA_N

ClientSampled :

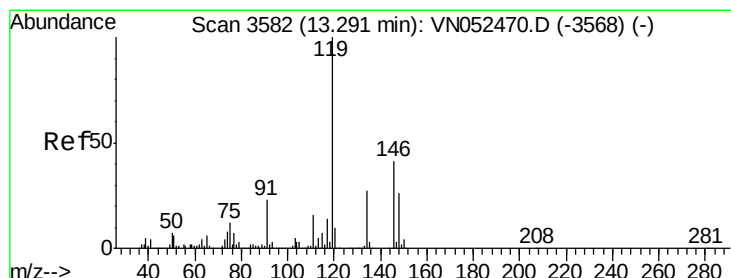
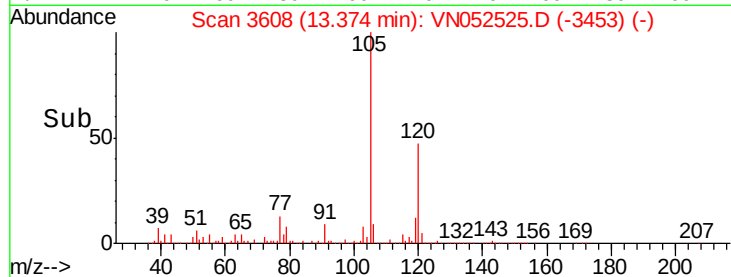
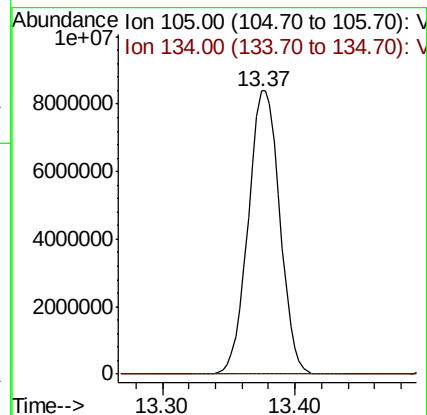
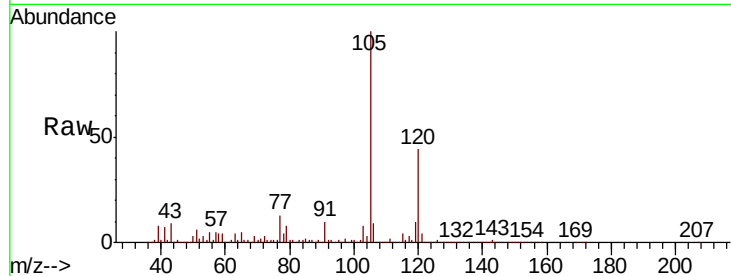
OILY-SOIL

Tot Ion:105 Resp:13818187

Ion Ratio Lower Upper

105 100

134 0.0 9.9 29.7#



#86

p-Isopropyltoluene

Concen: 5.608 ug/l

RT: 13.24 min Scan# 3565

Delta R.T. -0.05 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

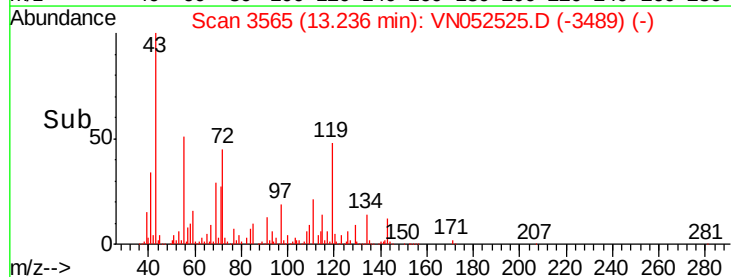
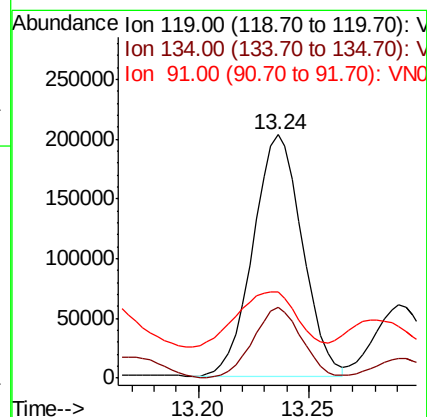
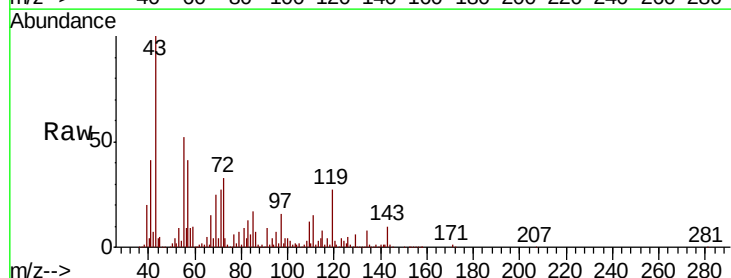
Tgt Ion:119 Resp: 313391

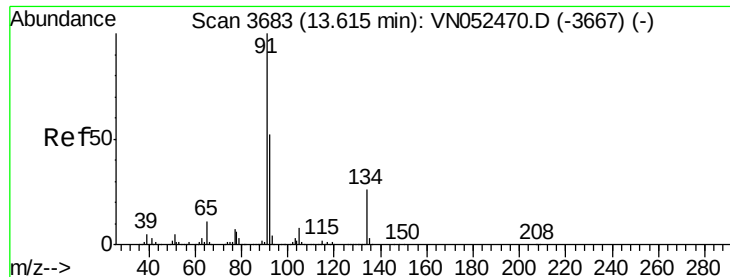
Ion Ratio Lower Upper

119 100

134 28.6 13.4 40.2

91 0.0 11.4 34.2#





#89

n-Butylbenzene

Concen: 3.521 ug/l

RT: 13.58 min Scan# 3673

Delta R.T. -0.03 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOIL

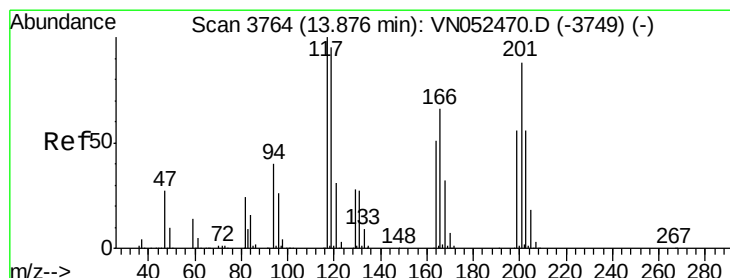
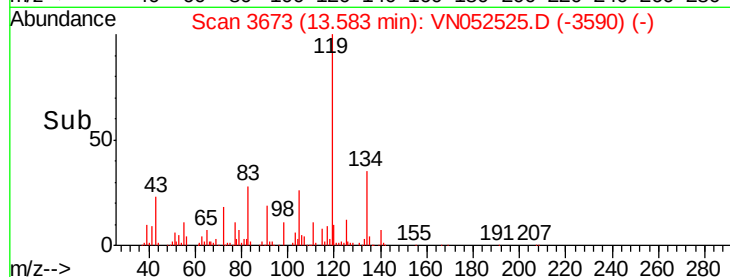
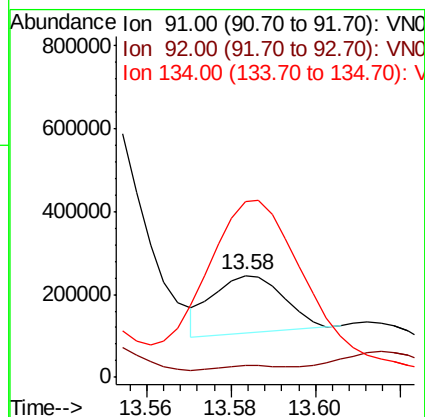
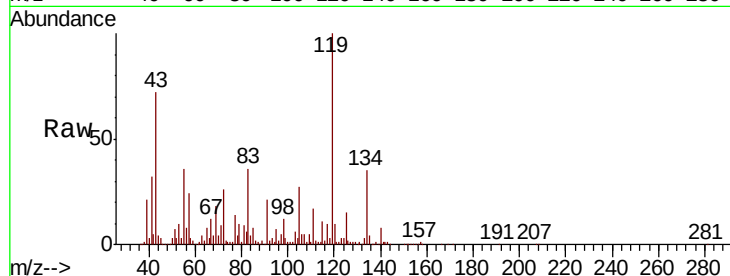
Tot Ion: 91 Resp: 163626

Ion Ratio Lower Upper

91 100

92 18.0 26.1 78.3#

134 457.9 13.0 38.9#



#90

Hexachloroethane

Concen: 20.133 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN052525.D

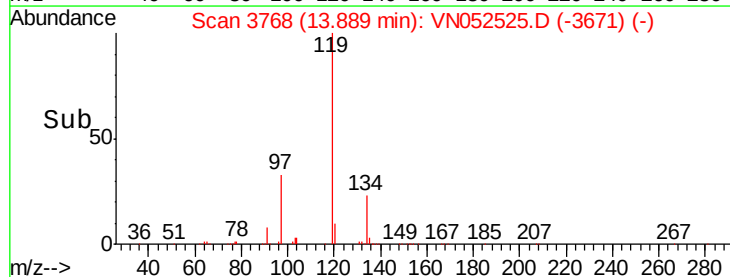
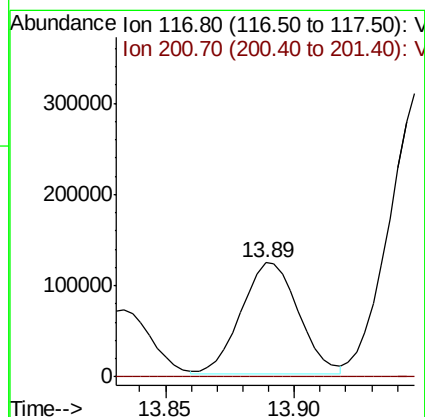
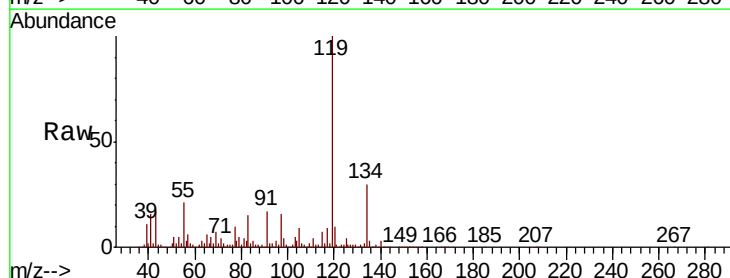
Acq: 28 Nov 2018 17:41

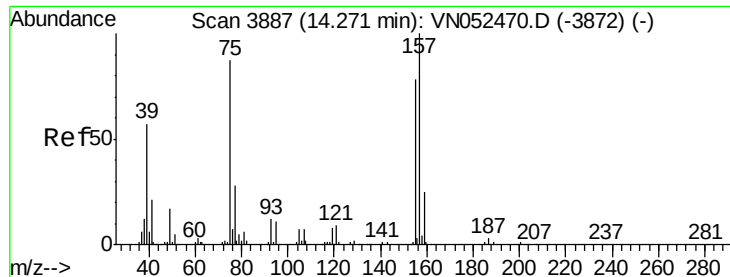
Tgt Ion: 117 Resp: 190499

Ion Ratio Lower Upper

117 100

201 0.0 43.6 130.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 6.912 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOIL

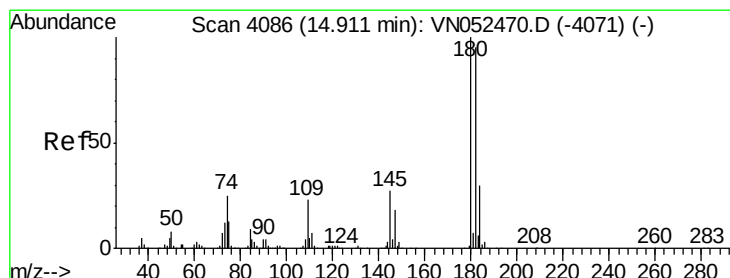
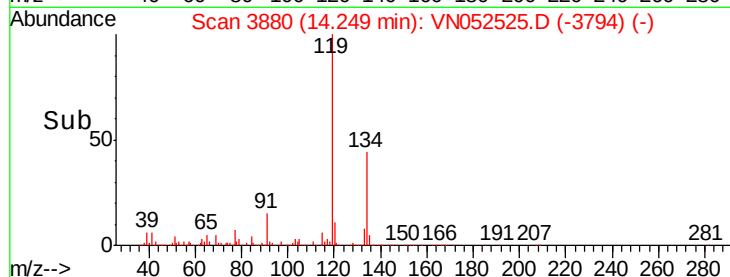
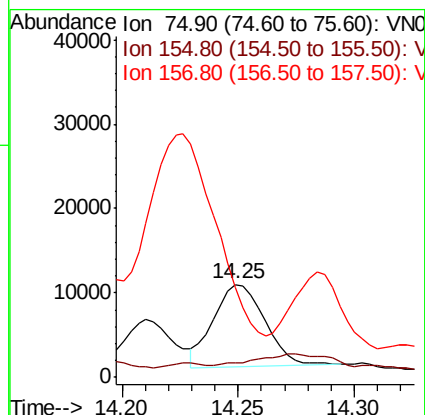
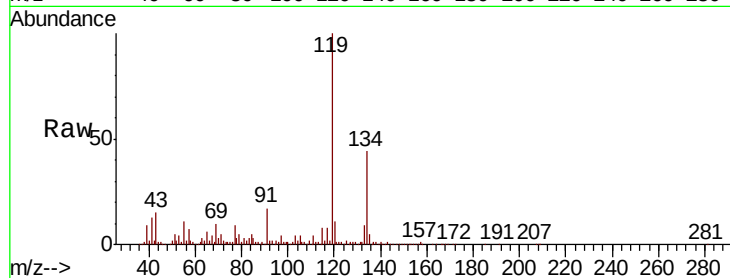
Tot Ion: 75 Resp: 15236

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: 2.899 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.01 min

Lab File: VN052525.D

Acq: 28 Nov 2018 17:41

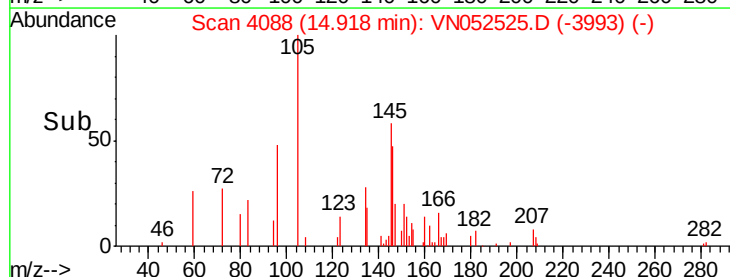
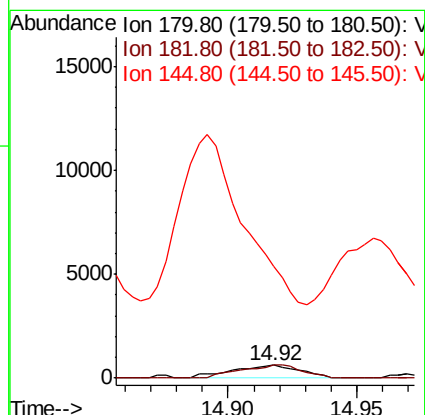
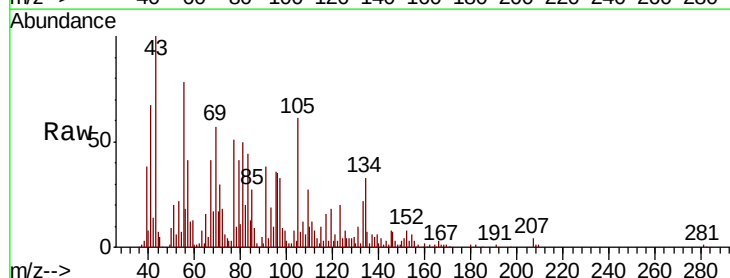
Tgt Ion: 180 Resp: 1131

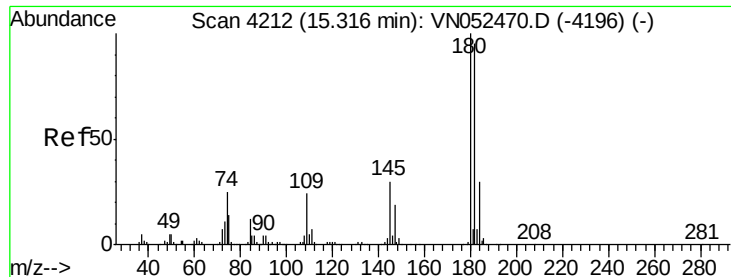
Ion Ratio Lower Upper

180 100

182 92.3 47.8 143.4

145 0.0 14.1 42.3#

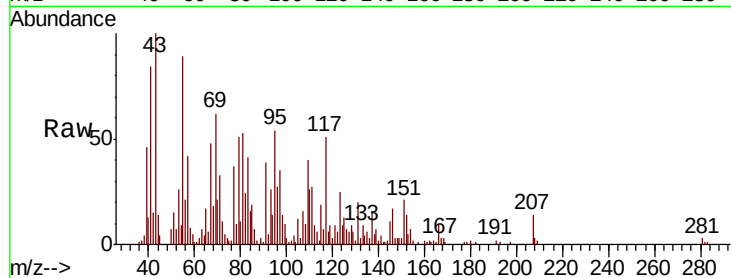




#96
 1,2,3-Trichlorobenzene
 Concen: 2.740 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.01 min
 Lab File: VN052525.D
 Acq: 28 Nov 2018 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-SOIL

Tot Ion	Ratio	Lower	Upper
180	100		
182	157.7	47.8	143.3#
145	0.0	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

