

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055184.D
 Acq On : 22 Apr 2019 16:27
 Operator : JC/SP
 Sample : K2510-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-PILE-B

Quant Time: Apr 23 06:01:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	366184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	635051	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	565365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	166055	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	254520	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
35) Dibromofluoromethane	7.59	113	208519	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
50) Toluene-d8	10.09	98	769679	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
62) 4-Bromofluorobenzene	12.40	95	236725	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.57	59	66	0.228	ug/l #	71
13) Acrolein	3.64	56	29	9.573	ug/l #	14
14) Allyl chloride	4.55	41	112920	15.162	ug/l #	27
16) Acetone	3.83	43	6920	4.223	ug/l	96
17) Carbon Disulfide	4.06	76	7314	0.694	ug/l #	91
18) Methyl Acetate	4.34	43	4981	0.294	ug/l #	71
20) Methylene Chloride	4.55	84	2471438	524.677	ug/l	99
25) 2-Butanone	6.86	43	938	0.443	ug/l #	53
29) Tetrahydrofuran	7.22	42	306	0.235	ug/l #	87
30) Chloroform	7.37	83	7151	0.941	ug/l #	78
31) Cyclohexane	7.67	56	7352	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	27163	4.608	ug/l #	51
38) Carbon Tetrachloride	7.66	117	33436	6.058	ug/l #	16
43) Isopropyl Acetate	8.17	43	13145	1.706	ug/l	96
47) Bromodichloromethane	9.40	83	1506	0.256	ug/l #	87
48) Methyl methacrylate	9.18	41	8224	2.201	ug/l #	15
51) 4-Methyl-2-Pentanone	9.99	43	4523	1.020	ug/l	98
54) cis-1,3-Dichloropropene	9.90	75	52737	7.868	ug/l #	68
56) Ethyl methacrylate	10.55	69	983	0.201	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	9879	1.444	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.90	63	165	11.365	ug/l #	51
59) 2-Hexanone	10.76	43	157298	56.182	ug/l #	55
68) m/p-Xylenes	11.62	106	1483	0.201	ug/l	96
71) Bromoform	12.39	173	538	0.211	ug/l #	29
73) Isopropylbenzene	12.24	105	646	Below Cal	#	58
74) N-amyl acetate	11.88	43	13830	3.230	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	12.38	83	197	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	122012	36.218	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4557	0.367	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	122012	137.297	ug/l #	5
83) tert-Butylbenzene	12.99	119	68	Below Cal	#	25
84) 1,2,4-Trimethylbenzene	13.04	105	5965	0.508	ug/l	85
93) 1,2,4-Trichlorobenzene	14.92	180	253	2.836	ug/l #	86
95) Naphthalene	15.13	128	8811	4.929	ug/l	99

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Response via : Initial Calibration

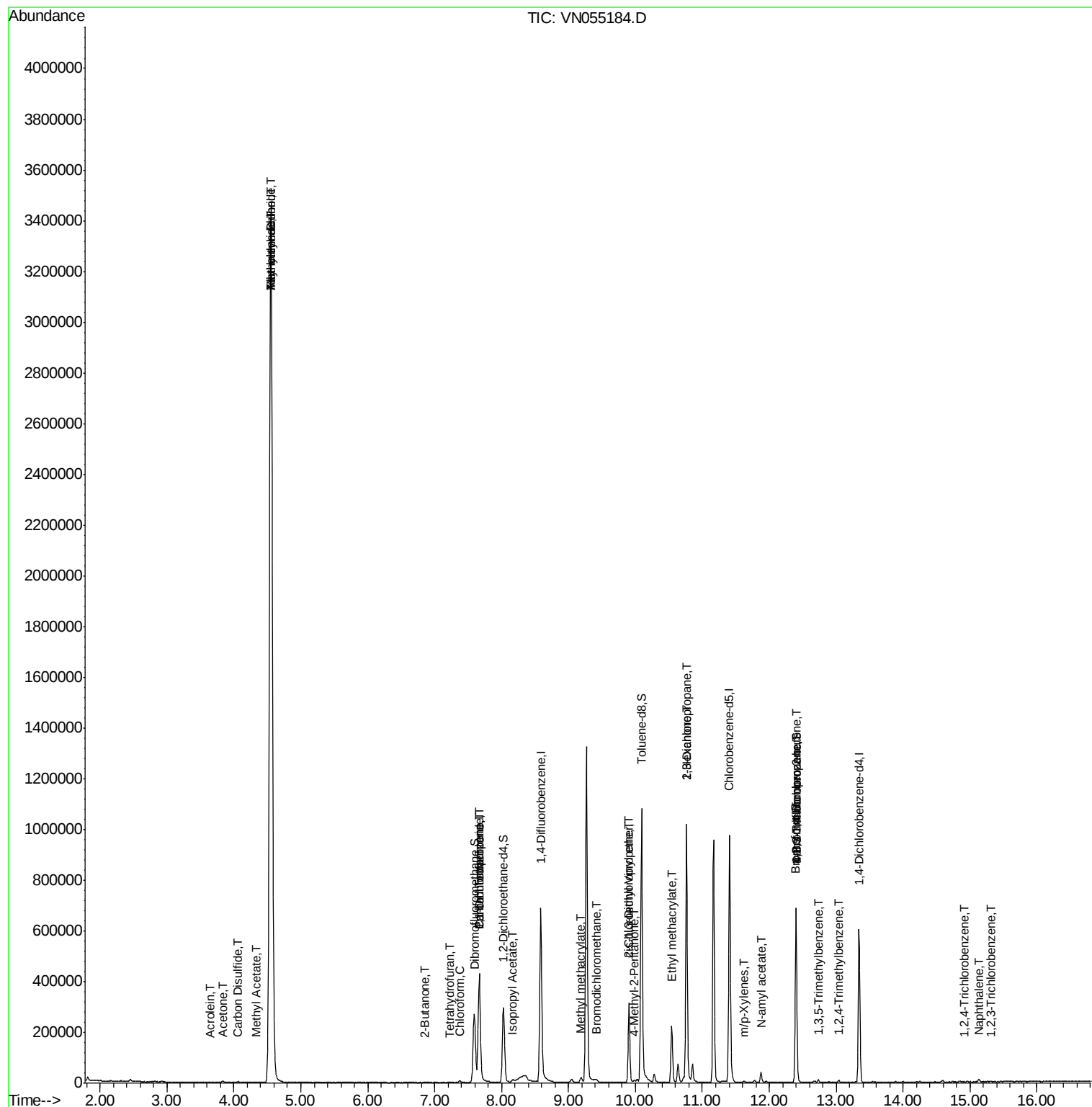
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	64	2.149	ug/l #	81

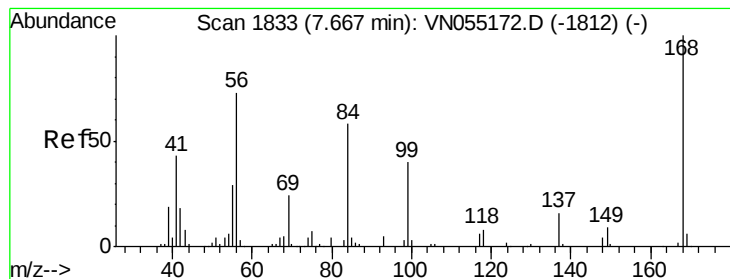
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN042219\
Data File : VN055184.D
Acq On : 22 Apr 2019 16:27
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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: VN055184.D

Acq: 22 Apr 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

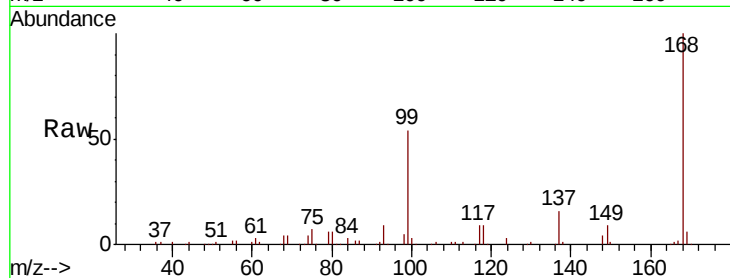
SOIL-PILE-B

Tot Ion:168 Resp: 366184

Ion Ratio Lower Upper

168 100

99 53.7 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VN055184.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055184.D (-1740) (-)

7.67

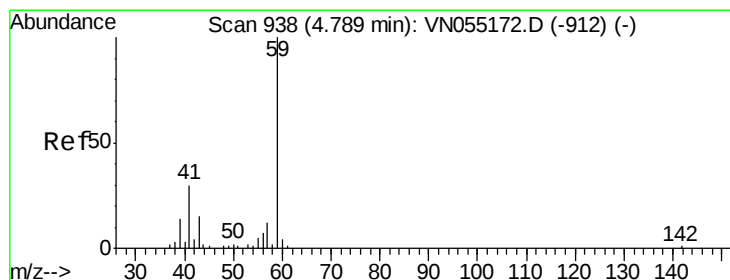
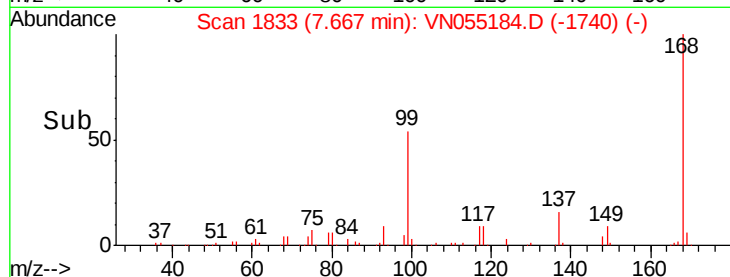
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.228 ug/l

RT: 4.57 min Scan# 869

Delta R.T. -0.22 min

Lab File: VN055184.D

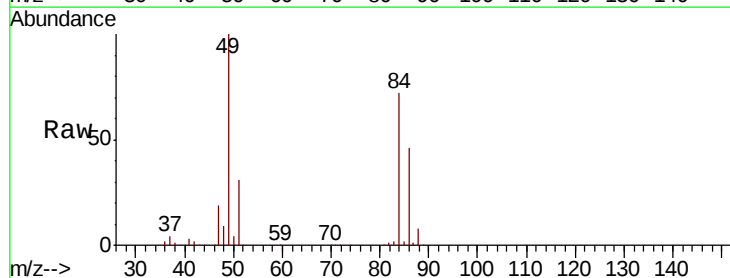
Acq: 22 Apr 2019 16:27

Tgt Ion: 59 Resp: 66

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VN055184.D (-845) (-)

Ion 57.00 (56.70 to 57.70): VN055184.D (-845) (-)

4.57

200

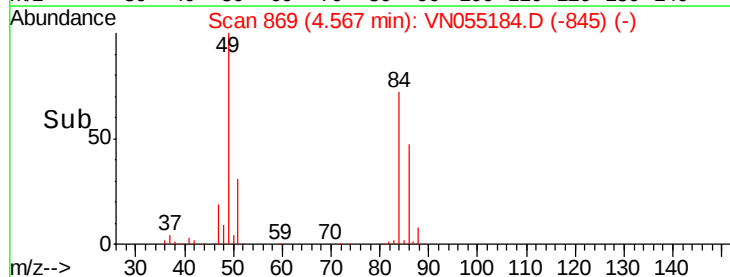
150

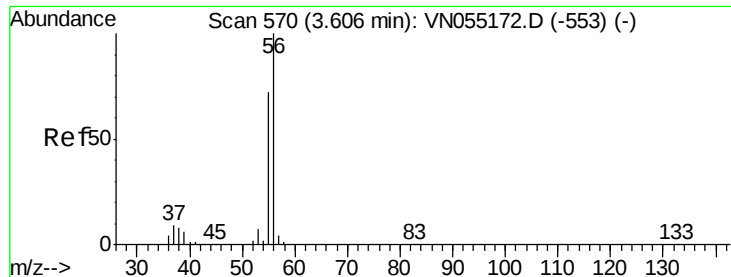
100

50

0

Time-->





#13

Acrolein

Concen: 9.573 ug/l

RT: 3.64 min Scan# 580

Delta R.T. 0.03 min

Lab File: VN055184.D

Acq: 22 Apr 2019 16:27

Instrument :

MSVOA_N

ClientSampled :

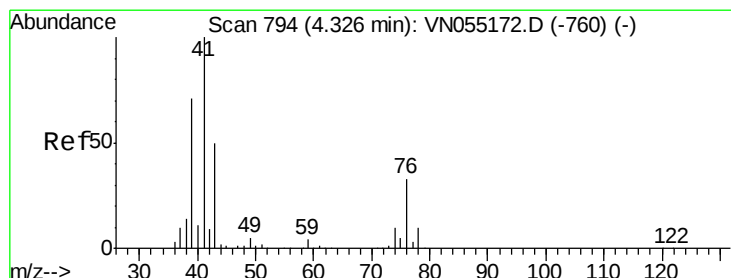
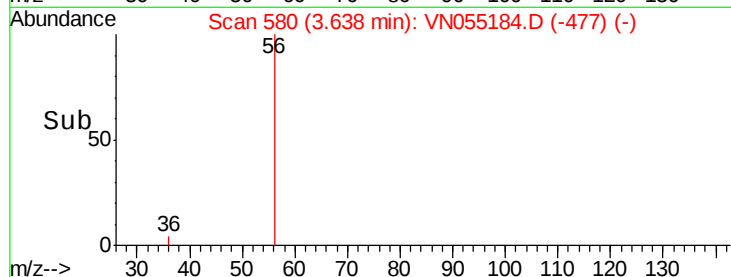
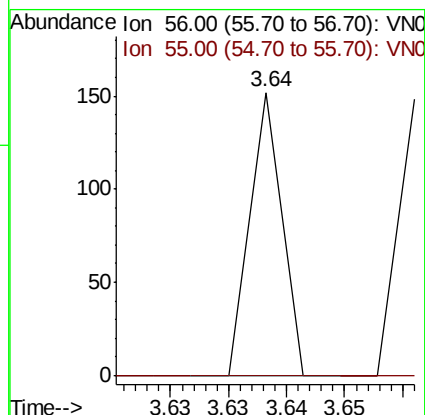
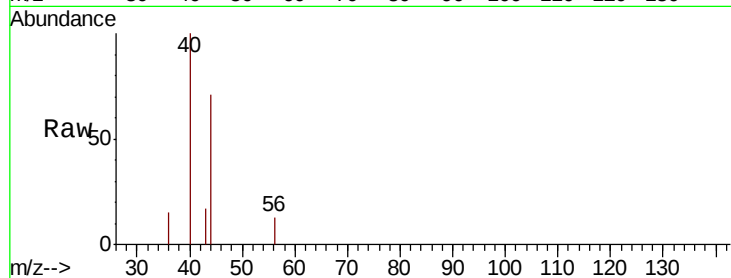
SOIL-PILE-B

Tot Ion: 56 Resp: 29

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.0#



#14

Allyl chloride

Concen: 15.162 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.23 min

Lab File: VN055184.D

Acq: 22 Apr 2019 16:27

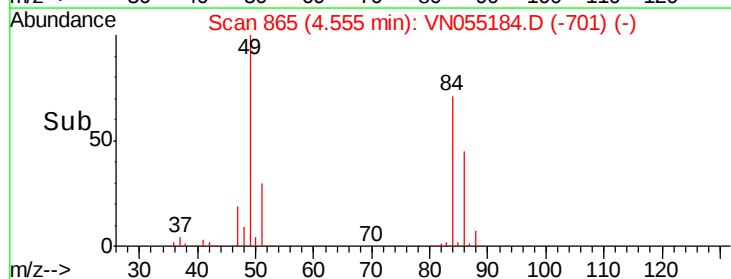
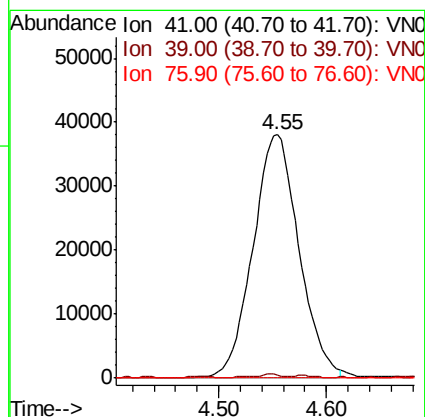
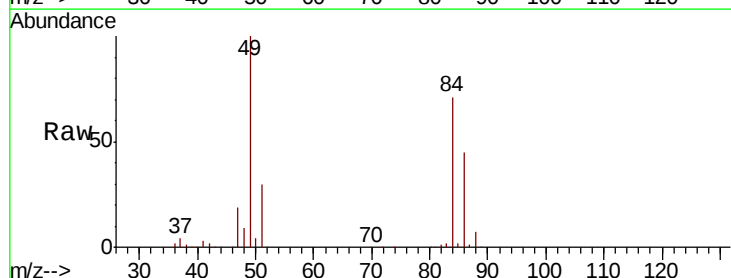
Tgt Ion: 41 Resp: 112920

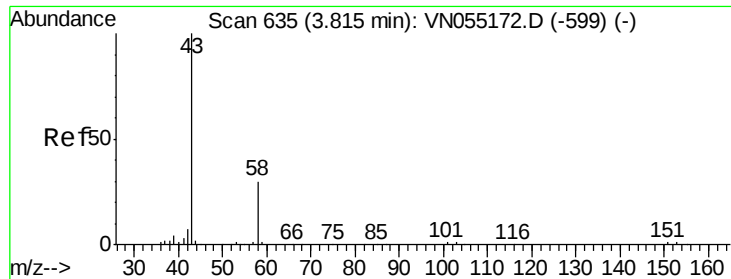
Ion Ratio Lower Upper

41 100

39 1.0 52.9 79.3#

76 0.0 23.6 35.4#





#16

Acetone

Concen: 4.223 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN055184.D

Acq: 22 Apr 2019 16:27

Instrument :

MSVOA_N

ClientSampled :

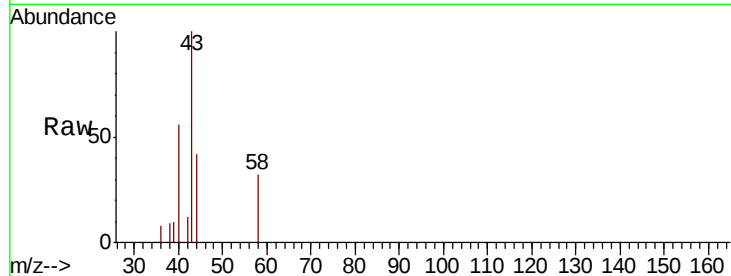
SOIL-PILE-B

Tot Ion: 43 Resp: 6920

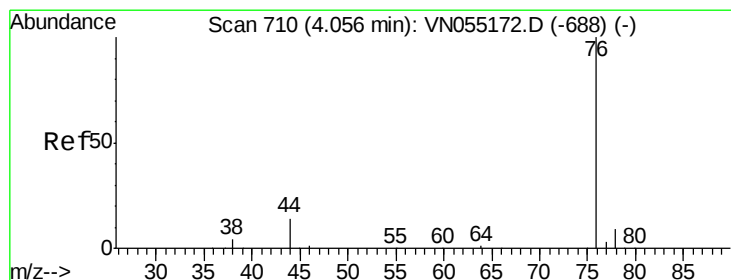
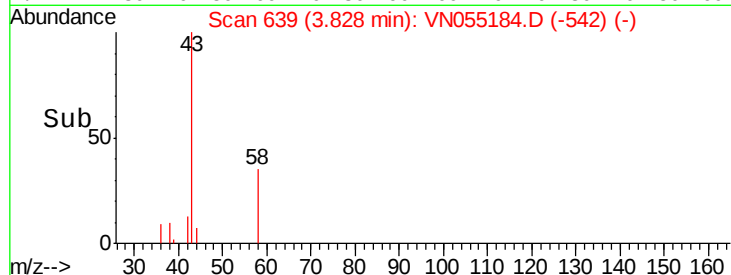
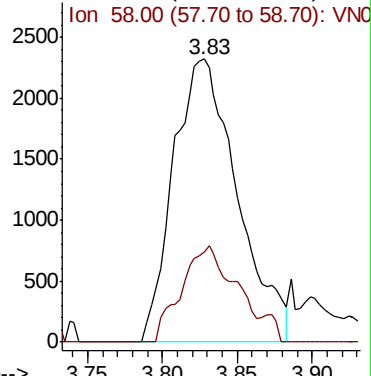
Ion Ratio Lower Upper

43 100

58 31.7 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-599) (-)



#17

Carbon Disulfide

Concen: 0.694 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055184.D

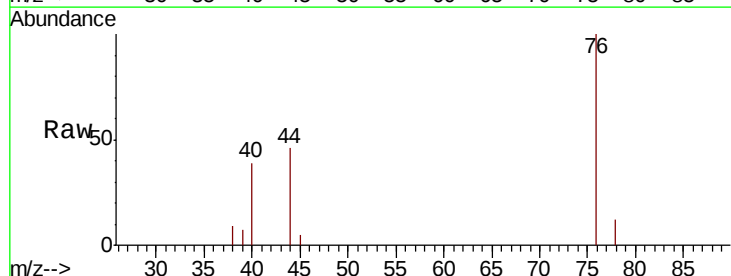
Acq: 22 Apr 2019 16:27

Tgt Ion: 76 Resp: 7314

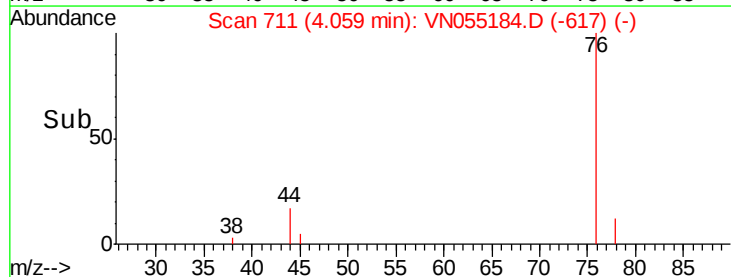
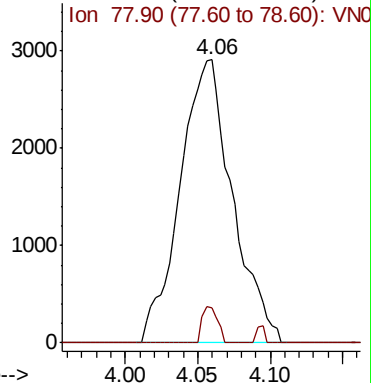
Ion Ratio Lower Upper

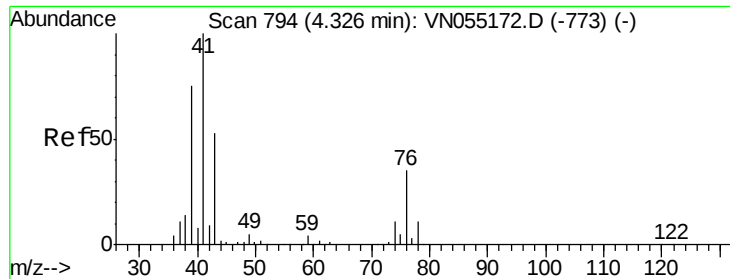
76 100

78 12.4 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN055172.D (-688) (-)

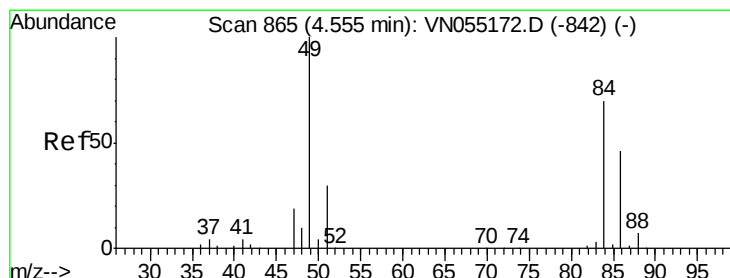
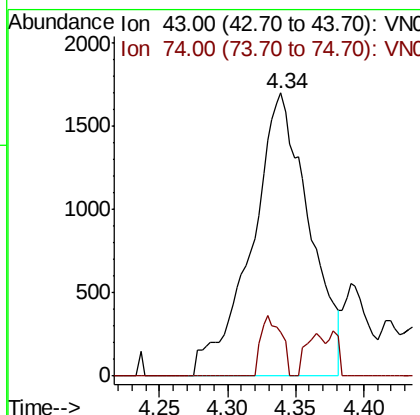
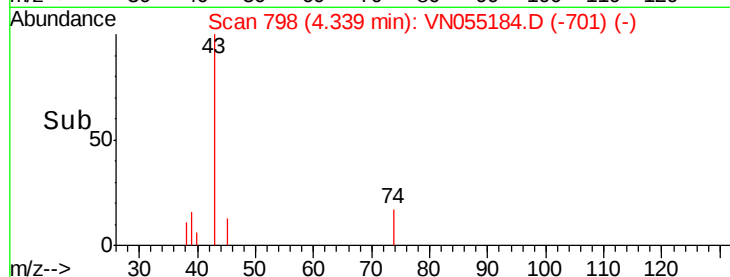
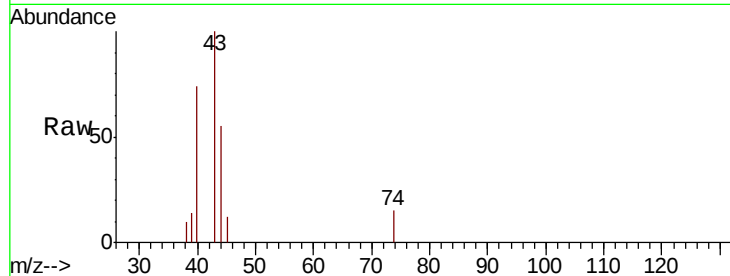




#18
Methyl Acetate
Concen: 0.294 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN055184.D
Acq: 22 Apr 2019 16:27

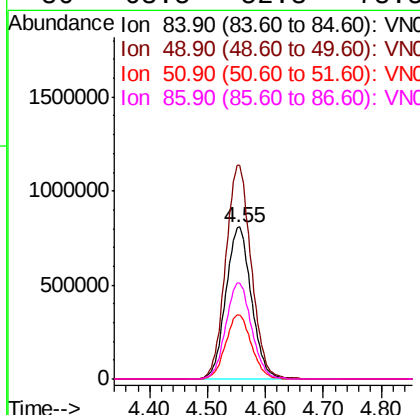
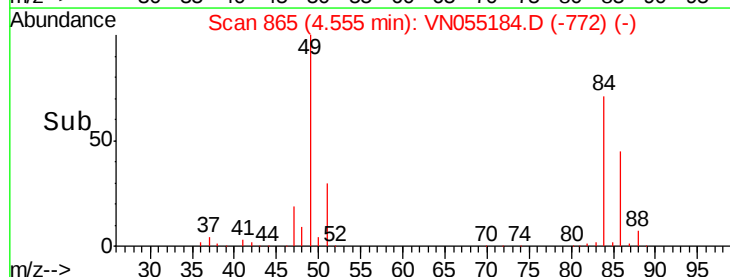
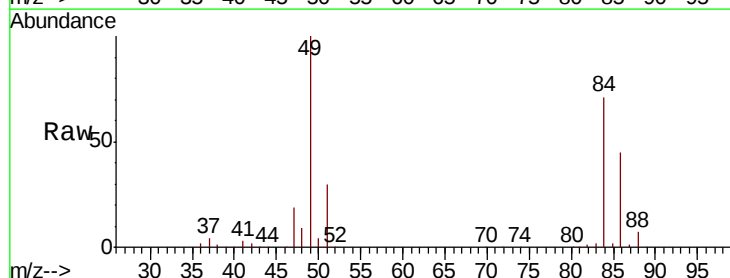
Instrument :
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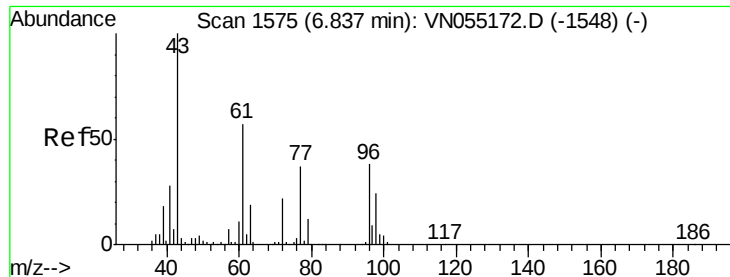
Tot Ion: 43 Resp: 4981
Ion Ratio Lower Upper
43 100
74 7.5 16.7 25.1#



#20
Methylene Chloride
Concen: 524.677 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055184.D
Acq: 22 Apr 2019 16:27

Tgt Ion: 84 Resp: 2471438
Ion Ratio Lower Upper
84 100
49 140.8 113.8 170.6
51 42.3 34.0 51.0
86 63.5 52.3 78.5

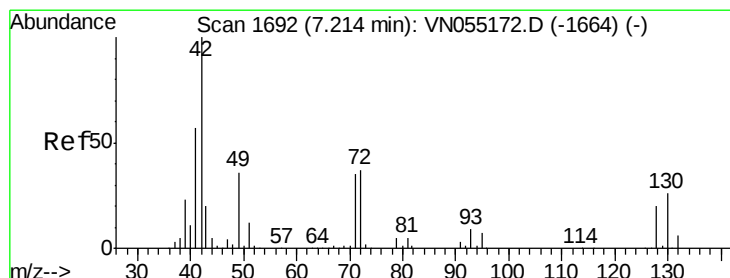
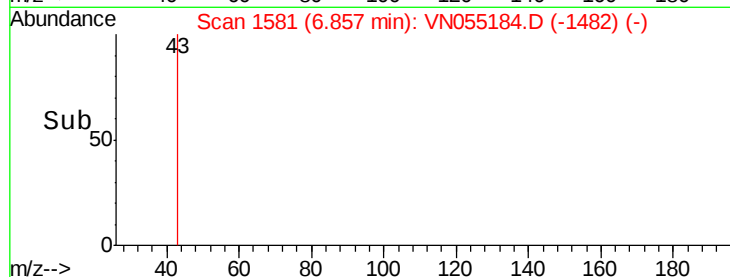
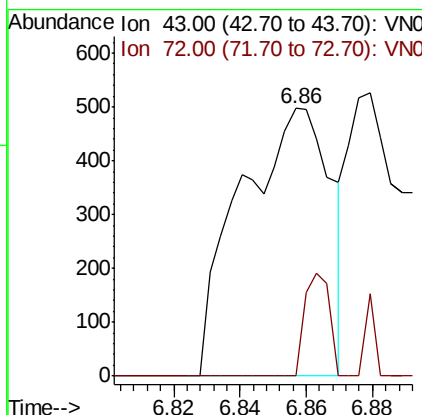
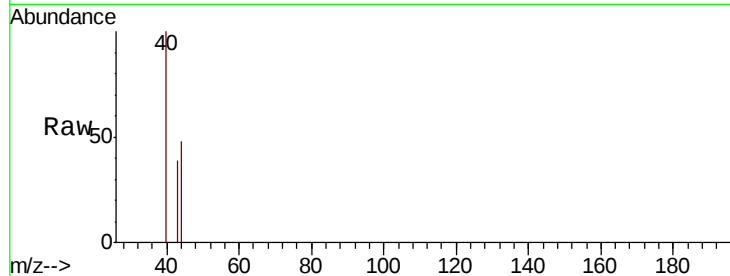




#25
2-Butanone
Concen: 0.443 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.02 min
Lab File: VN055184.D
Acq: 22 Apr 2019 16:27

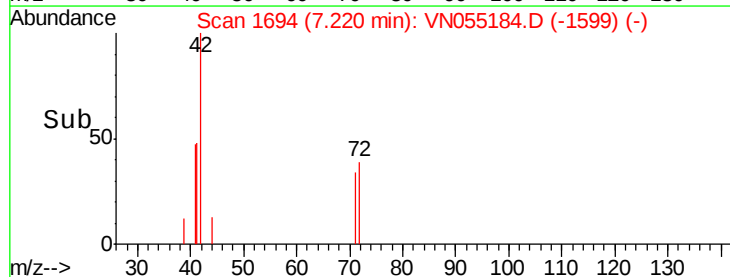
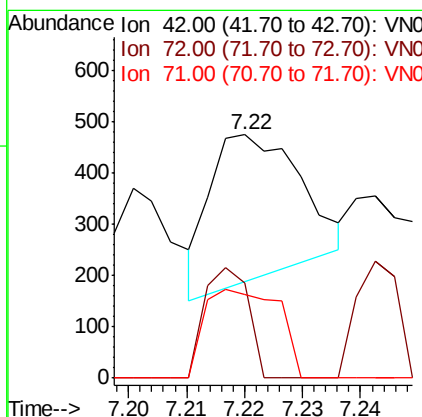
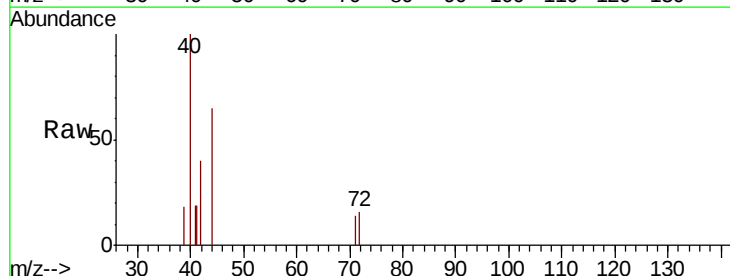
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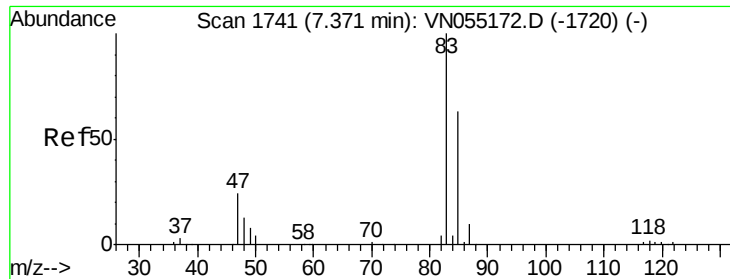
Tot Ion: 43 Resp: 938
Ion Ratio Lower Upper
43 100
72 0.0 17.8 26.8#



#29
Tetrahydrofuran
Concen: 0.235 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN055184.D
Acq: 22 Apr 2019 16:27

Tgt Ion: 42 Resp: 306
Ion Ratio Lower Upper
42 100
72 36.6 29.4 44.2
71 50.0 27.8 41.8#

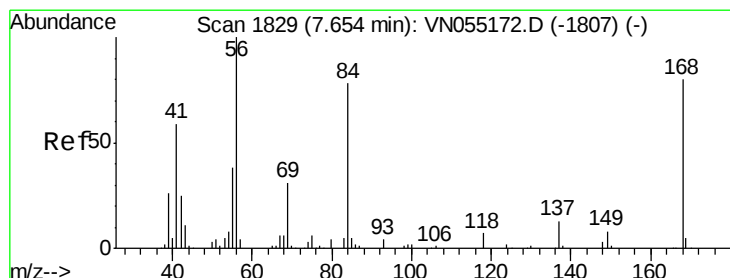
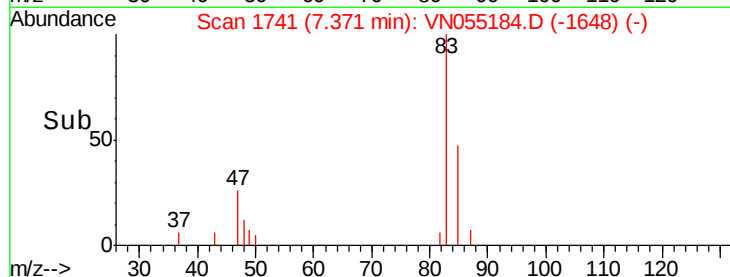
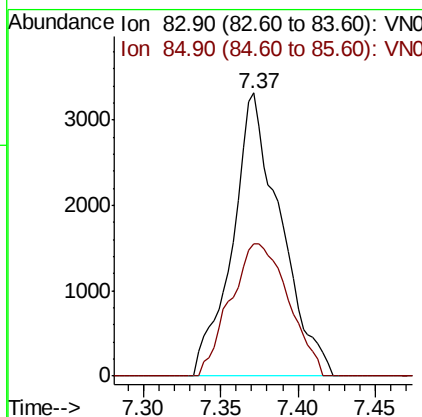
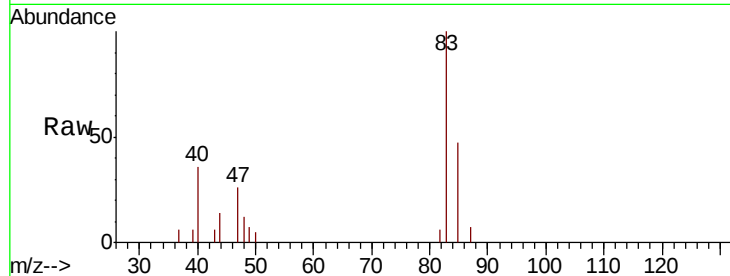




#30
Chloroform
Concen: 0.941 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055184.D
Acq: 22 Apr 2019 16:27

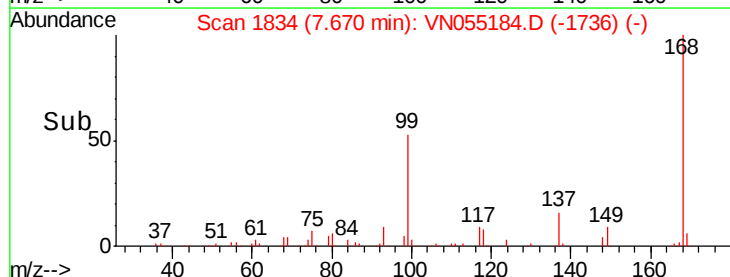
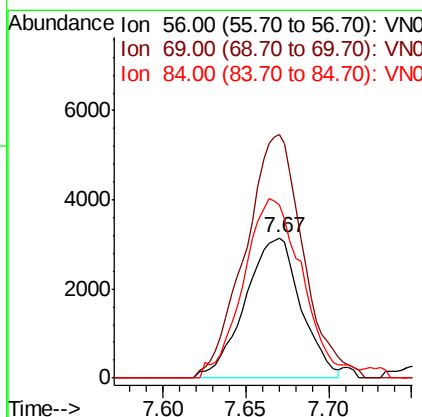
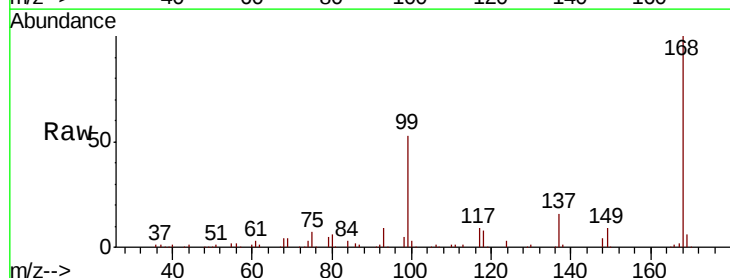
Instrument :
MSVOA_N
ClientSampled :
SOIL-PILE-B

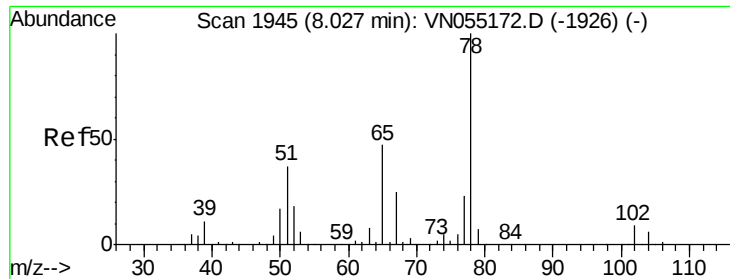
Tot Ion: 83 Resp: 7151
Ion Ratio Lower Upper
83 100
85 46.5 50.6 76.0#



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN055184.D
Acq: 22 Apr 2019 16:27

Tgt Ion: 56 Resp: 7352
Ion Ratio Lower Upper
56 100
69 173.9 24.6 37.0#
84 124.0 61.4 92.2#

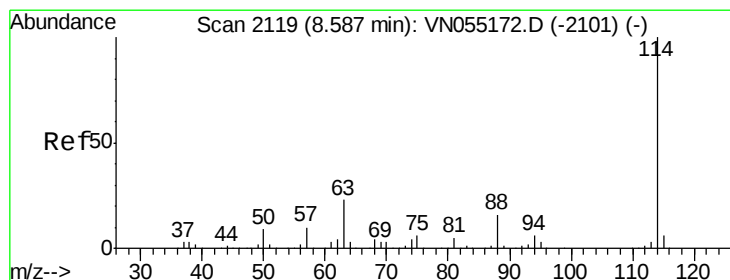
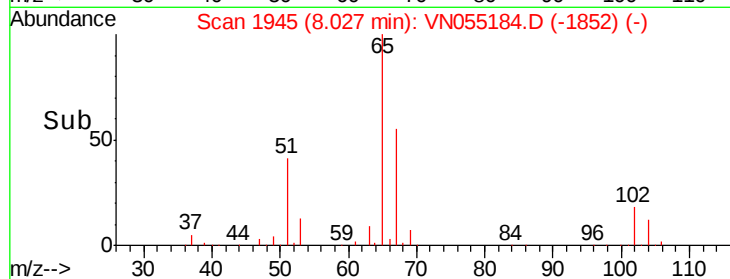
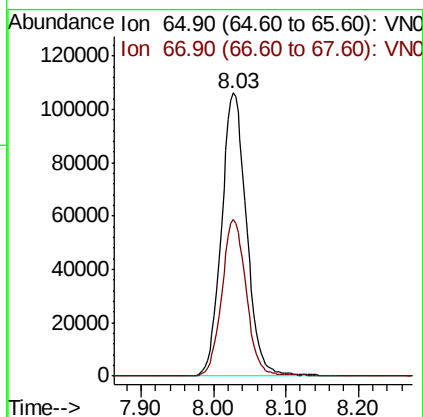
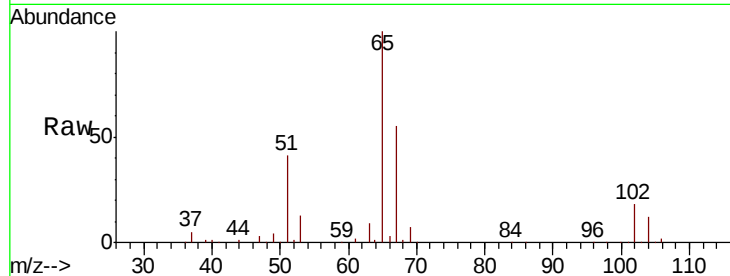




#33
 1,2-Dichloroethane-d4
 Concen: 51.352 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055184.D
 Acq: 22 Apr 2019 16:27

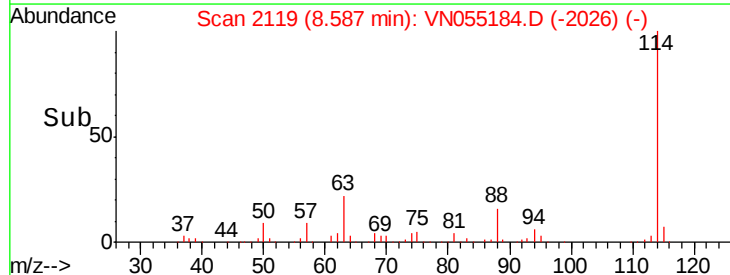
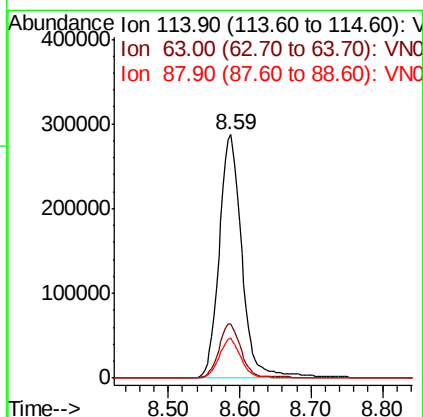
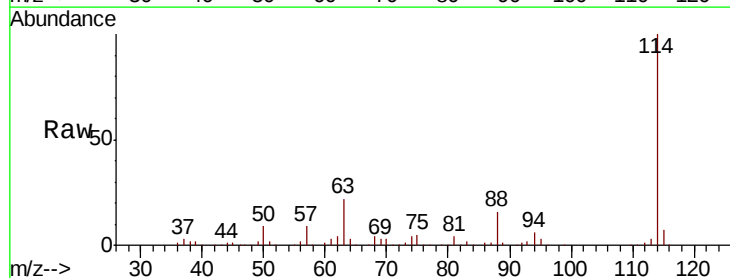
Instrument :
 MSVOA_N
 ClientSampled :
 SOIL-PILE-B

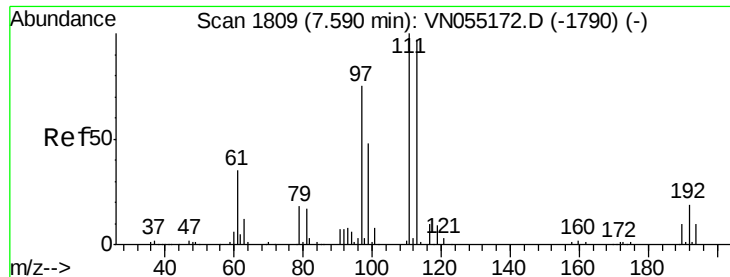
Tot Ion: 65 Resp: 254520
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055184.D
 Acq: 22 Apr 2019 16:27

Tgt Ion: 114 Resp: 635051
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.2
 88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.333 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055184.D

Acq: 22 Apr 2019 16:27

Instrument :

MSVOA_N

ClientSampled :

SOIL-PILE-B

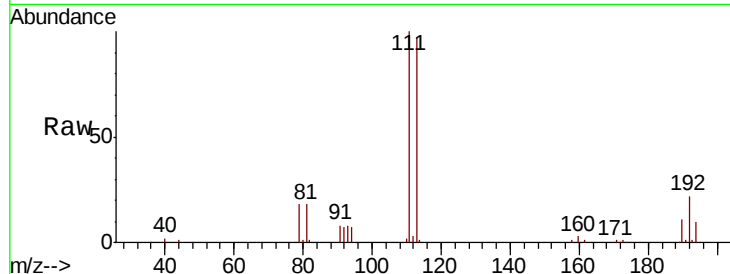
Tot Ion:113 Resp: 208519

Ion Ratio Lower Upper

113 100

111 102.7 81.0 121.4

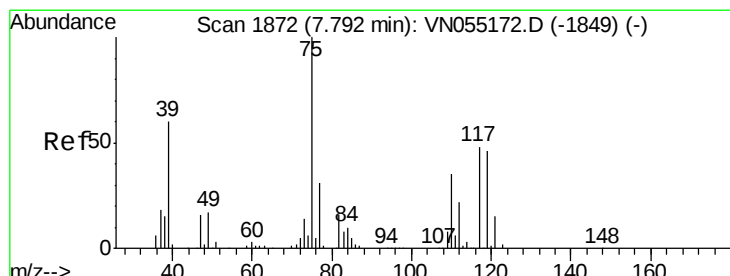
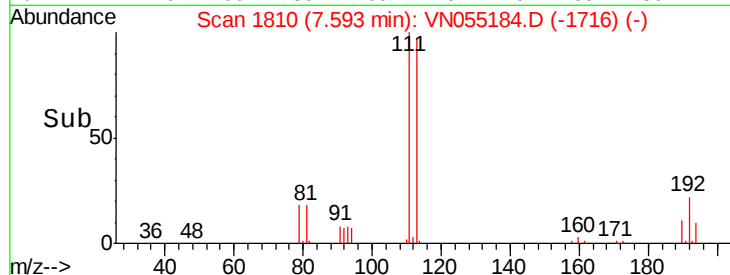
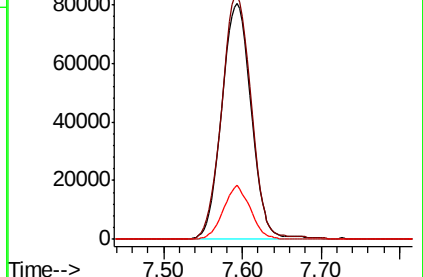
192 21.0 16.2 24.4



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: 4.608 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN055184.D

Acq: 22 Apr 2019 16:27

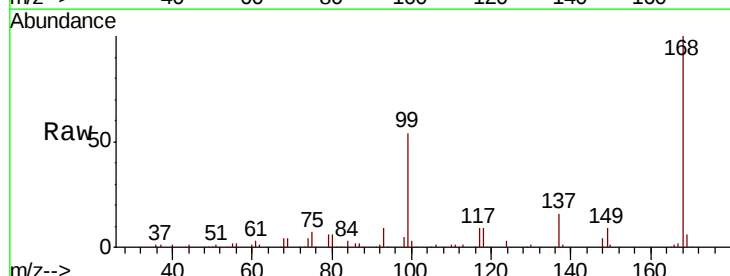
Tgt Ion: 75 Resp: 27163

Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.2#

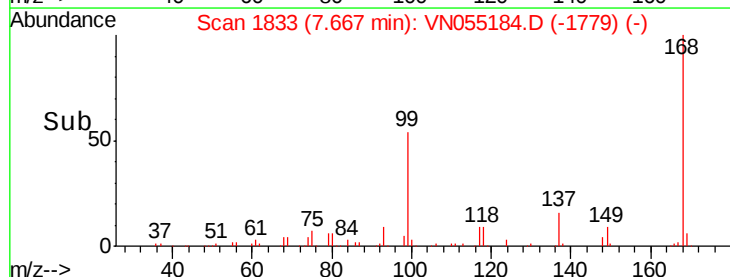
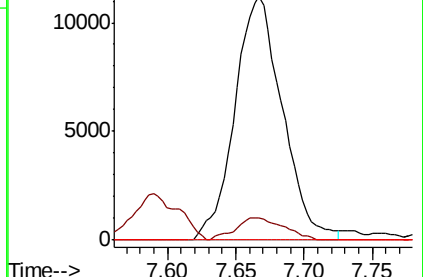
77 0.0 24.6 36.8#

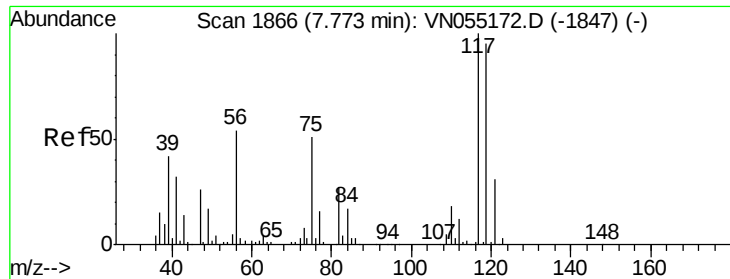


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

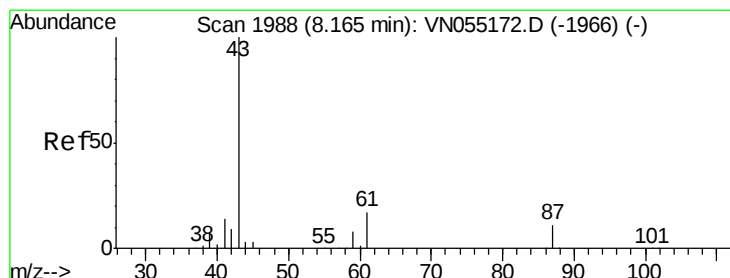
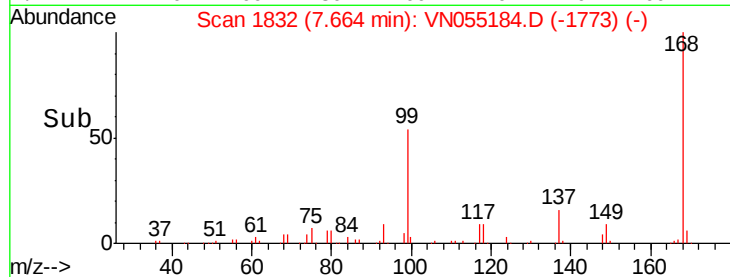
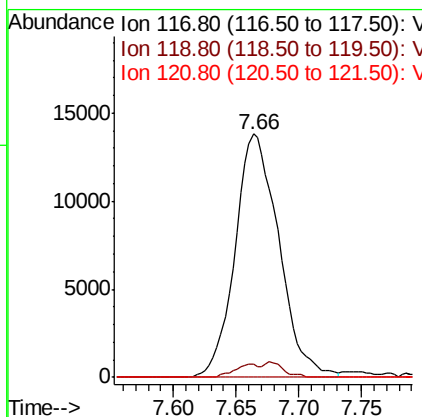
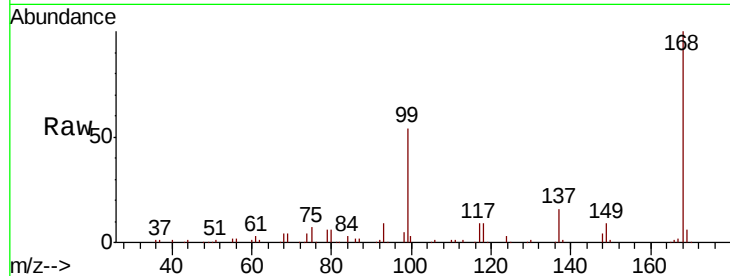




#38
Carbon Tetrachloride
Concen: 6.058 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN055184.D
Acq: 22 Apr 2019 16:27

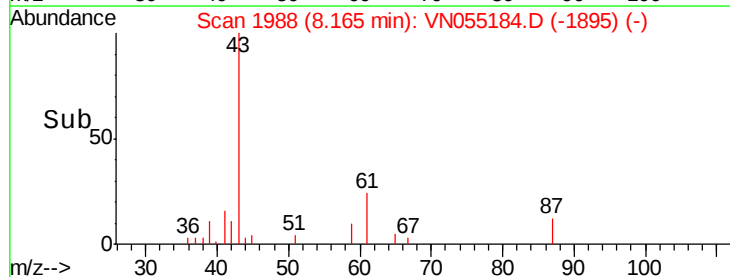
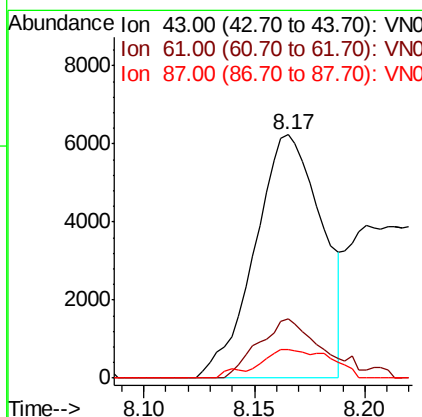
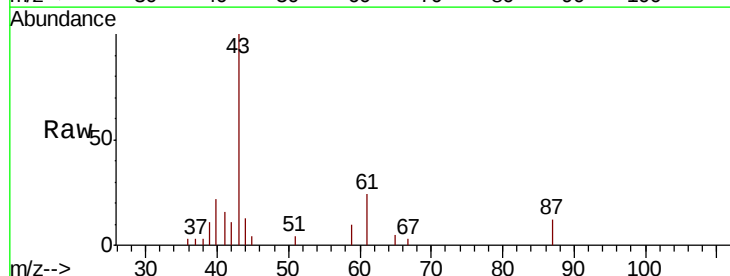
Instrument :
MSVOA_N
ClientSampled :
SOIL-PILE-B

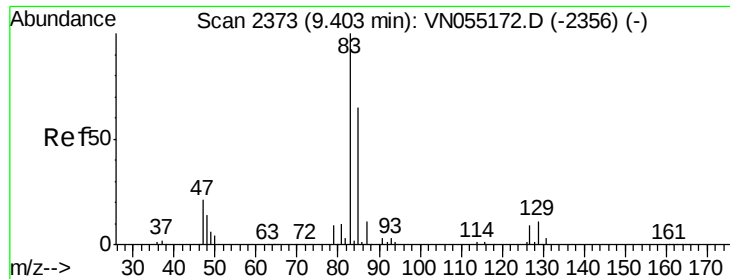
Tot Ion:117 Resp: 33436
Ion Ratio Lower Upper
117 100
119 5.2 76.0 114.0#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 1.706 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055184.D
Acq: 22 Apr 2019 16:27

Tgt Ion: 43 Resp: 13145
Ion Ratio Lower Upper
43 100
61 23.1 20.6 30.8
87 11.6 8.8 13.2





#47

Bromodichloromethane

Concen: 0.256 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055184.D

Acq: 22 Apr 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

SOIL-PILE-B

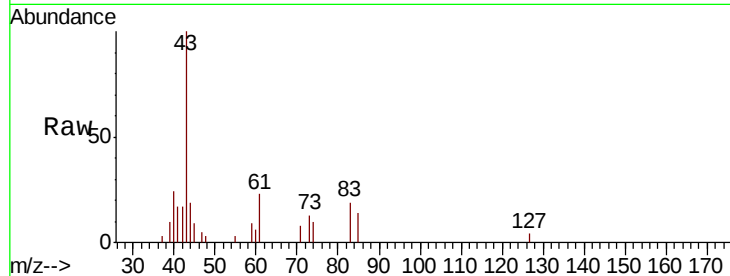
Tot Ion: 83 Resp: 1506

Ion Ratio Lower Upper

83 100

85 74.1 52.1 78.1

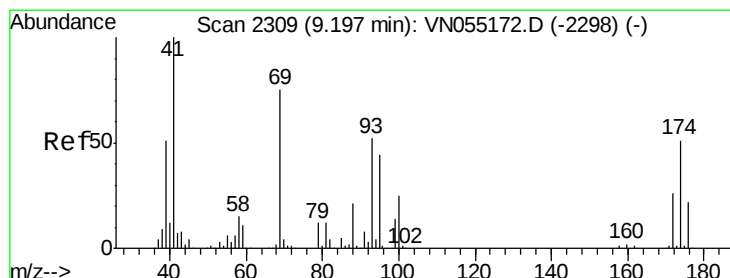
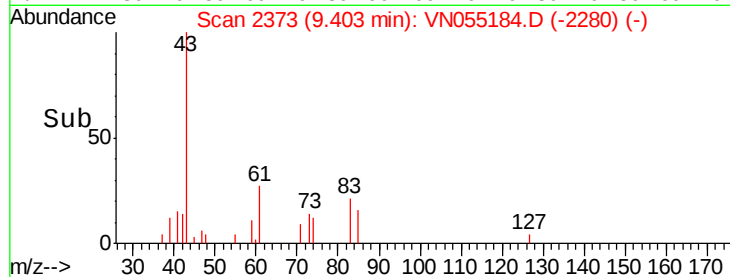
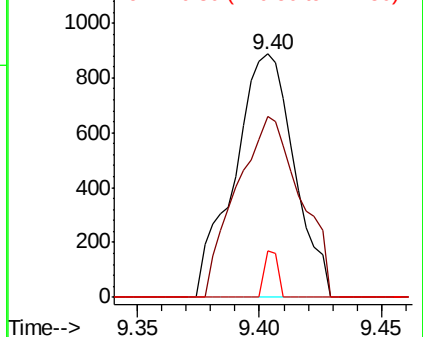
127 18.9 6.9 10.3#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 2.201 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.01 min

Lab File: VN055184.D

Acq: 22 Apr 2019 16:27

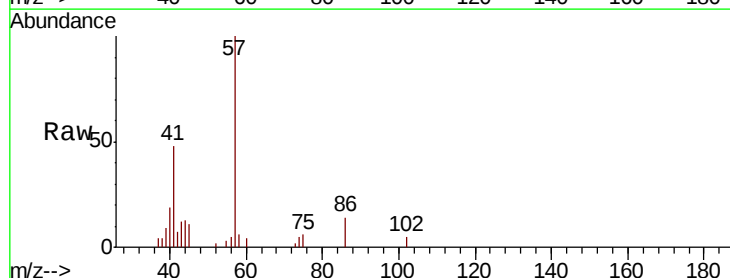
Tgt Ion: 41 Resp: 8224

Ion Ratio Lower Upper

41 100

69 0.0 63.6 95.4#

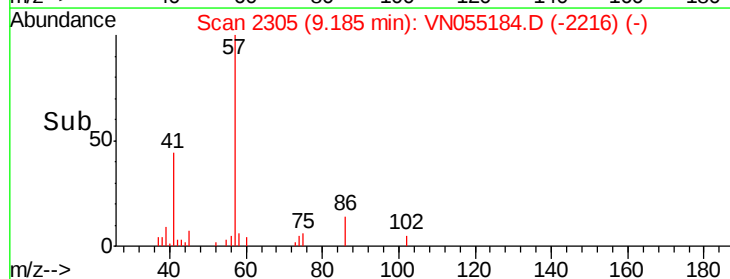
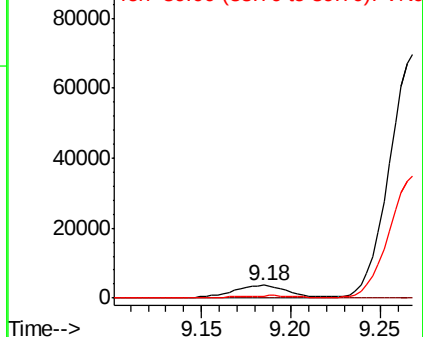
39 0.0 43.8 65.8#

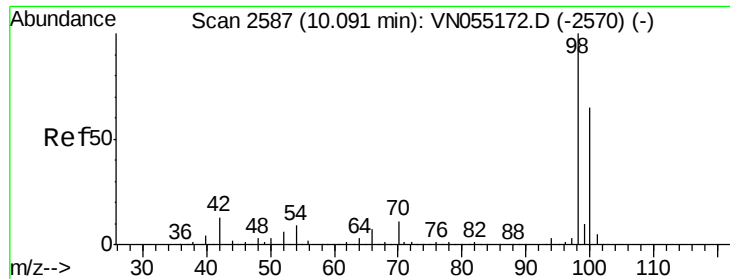


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 48.151 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055184.D

Acq: 22 Apr 2019 16:27

Instrument :

MSVOA_N

ClientSampled :

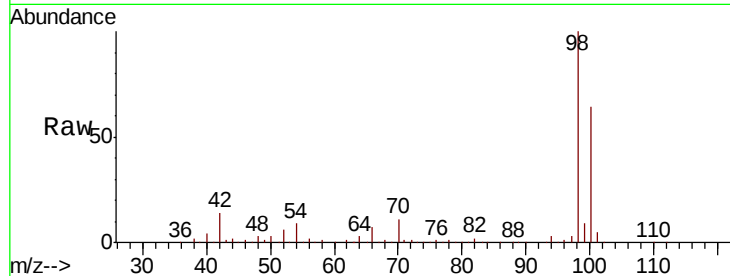
SOIL-PILE-B

Tot Ion: 98 Resp: 769679

Ion Ratio Lower Upper

98 100

100 64.7 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN055172.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055172.D (-2570) (-)

10.09

400000

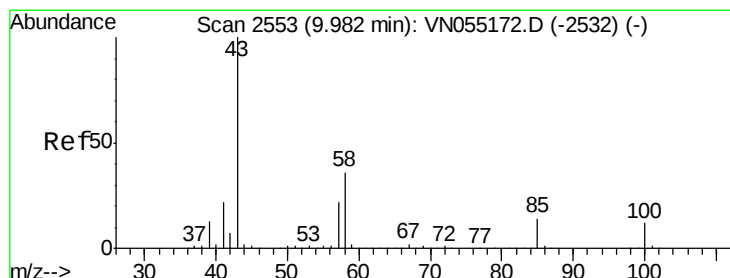
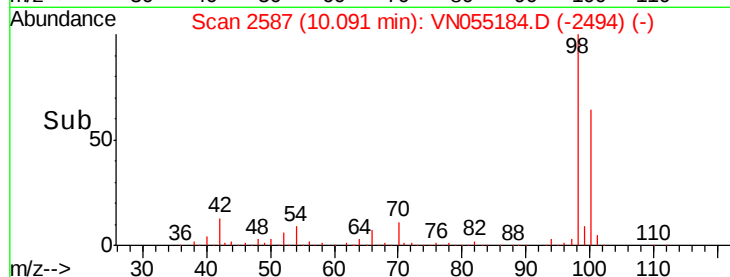
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.020 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.01 min

Lab File: VN055184.D

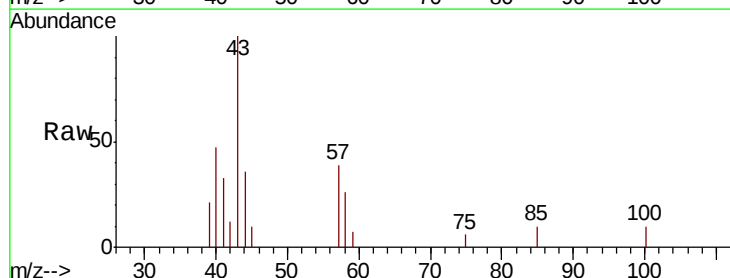
Acq: 22 Apr 2019 16:27

Tgt Ion: 43 Resp: 4523

Ion Ratio Lower Upper

43 100

58 36.4 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-2532) (-)

Ion 58.00 (57.70 to 58.70): VN055172.D (-2532) (-)

6000

5000

4000

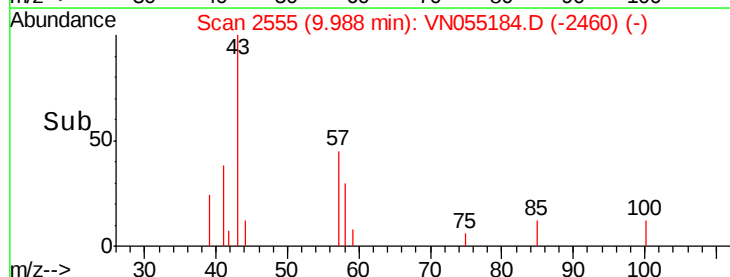
3000

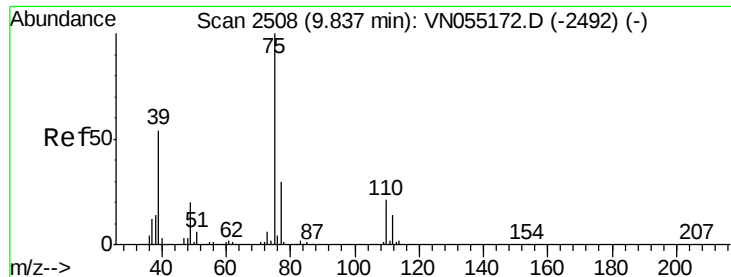
2000

1000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 7.868 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN055184.D

Acq: 22 Apr 2019 16:27

Instrument :

MSVOA_N

ClientSampled :

SOIL-PILE-B

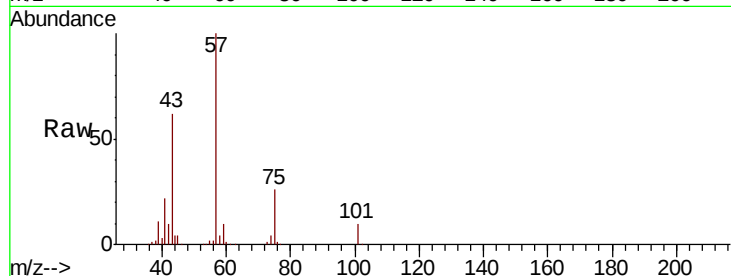
Tot Ion: 75 Resp: 52737

Ion Ratio Lower Upper

75 100

77 1.0 24.3 36.5#

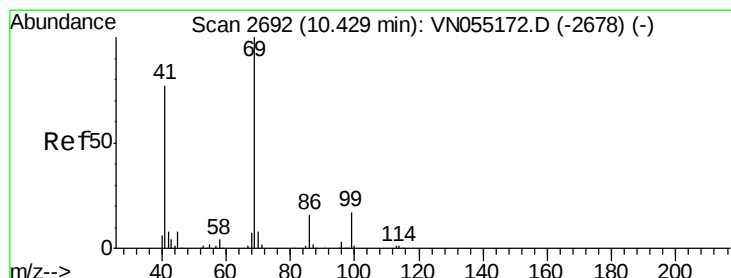
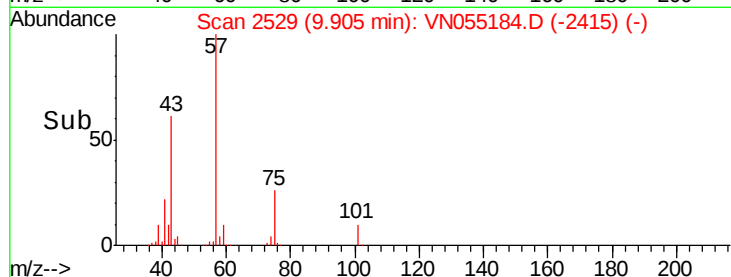
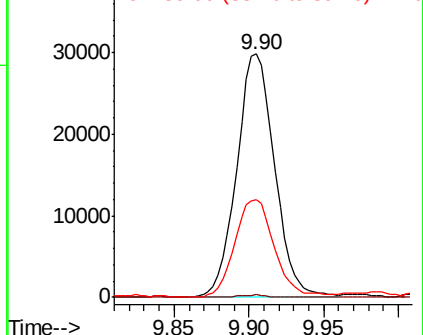
39 40.0 43.0 64.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

Ethyl methacrylate

Concen: 0.201 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN055184.D

Acq: 22 Apr 2019 16:27

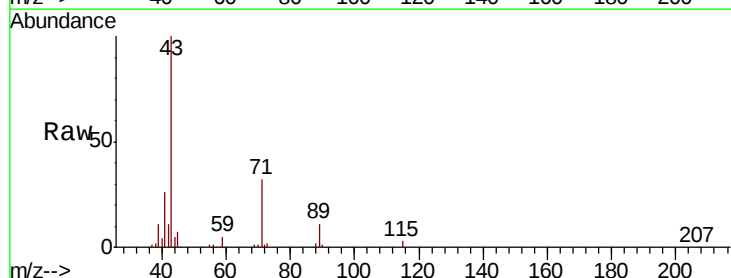
Tgt Ion: 69 Resp: 983

Ion Ratio Lower Upper

69 100

41 4556.4 60.6 90.8#

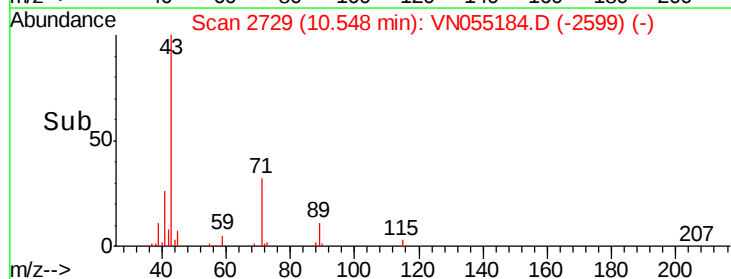
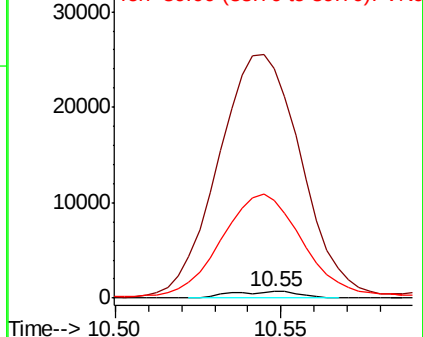
39 1956.0 31.7 47.5#

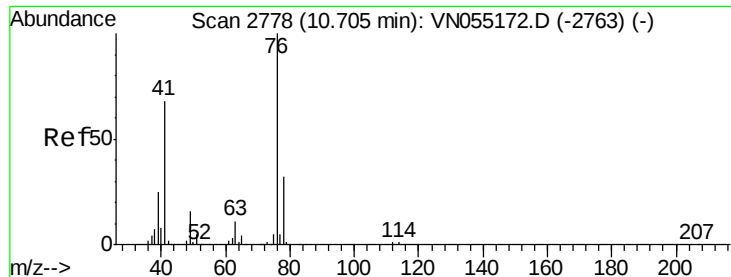


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.444 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.05 min

Lab File: VN055184.D

Acq: 22 Apr 2019 16:27

Instrument :

MSVOA_N

ClientSampled :

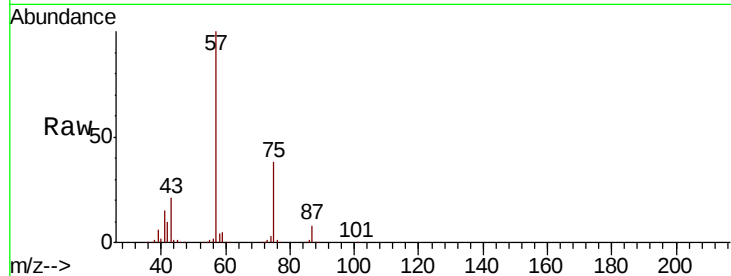
SOIL-PILE-B

Tot Ion: 76 Resp: 9879

Ion Ratio Lower Upper

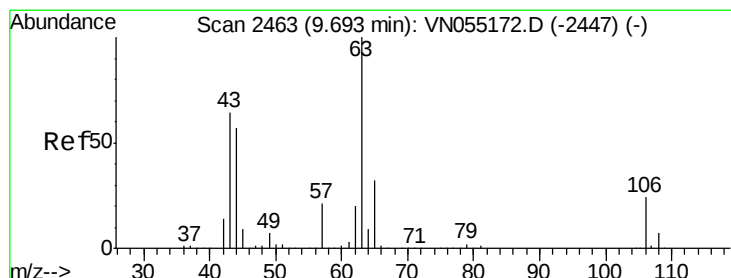
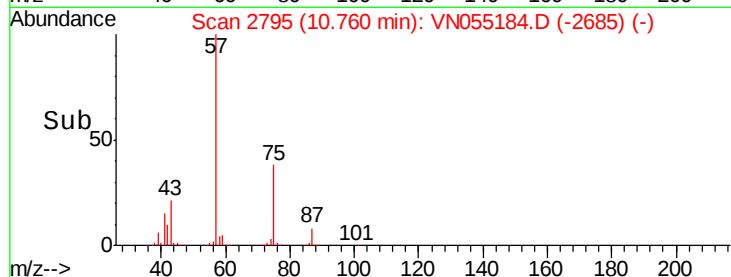
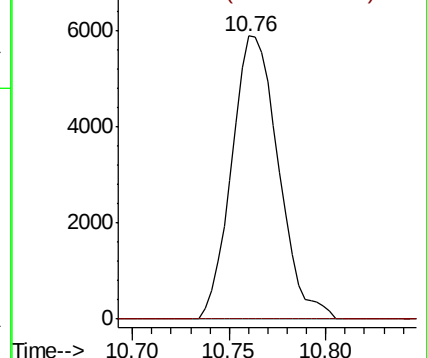
76 100

78 0.0 25.3 37.9#



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: 11.365 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.21 min

Lab File: VN055184.D

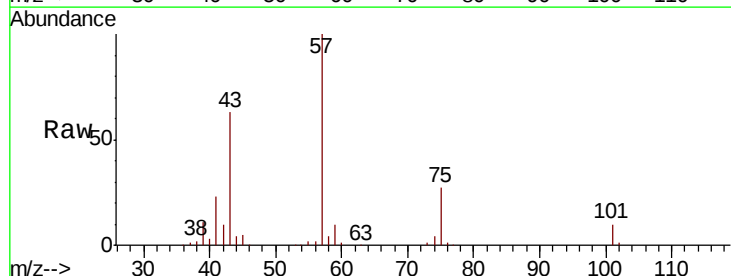
Acq: 22 Apr 2019 16:27

Tgt Ion: 63 Resp: 165

Ion Ratio Lower Upper

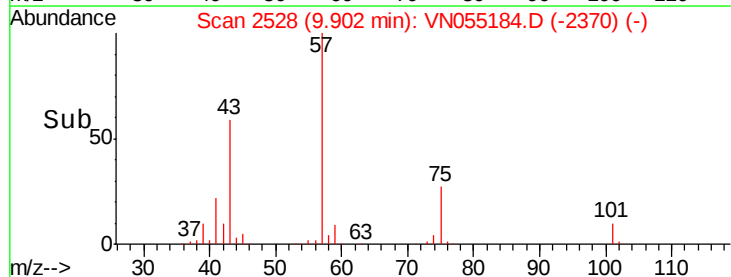
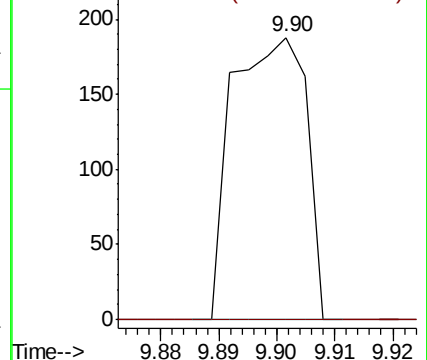
63 100

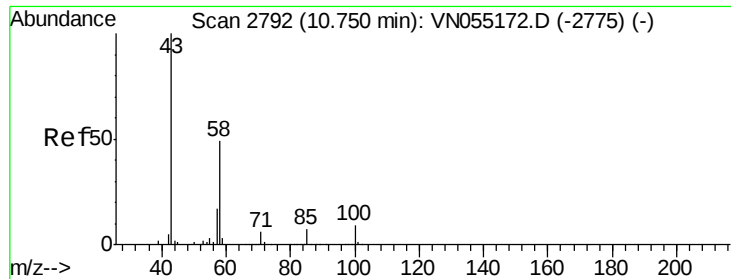
106 0.0 19.4 29.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

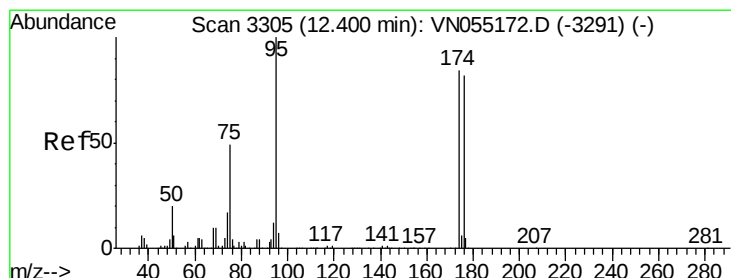
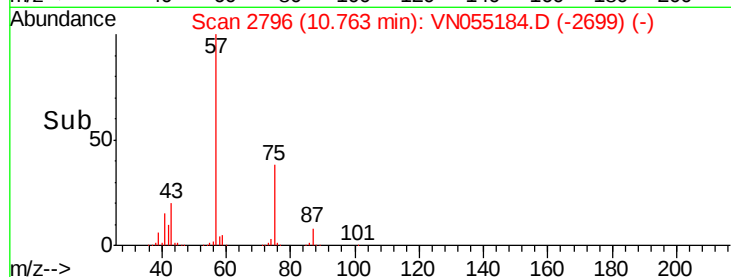
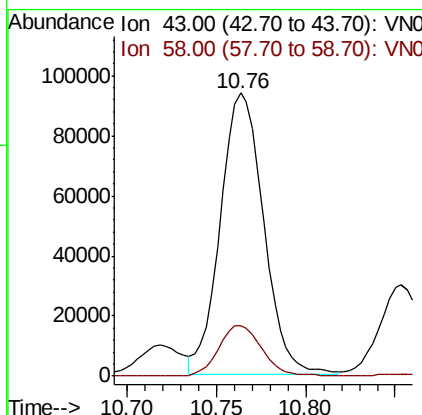
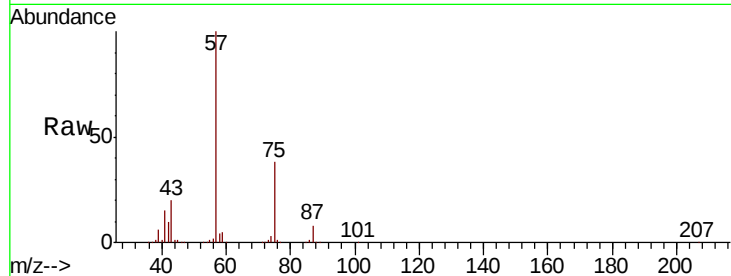




#59
2-Hexanone
Concen: 56.182 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN055184.D
Acq: 22 Apr 2019 16:27

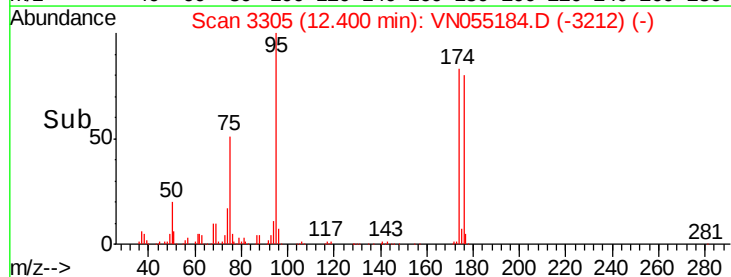
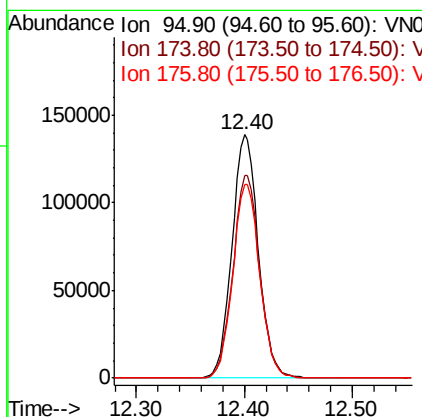
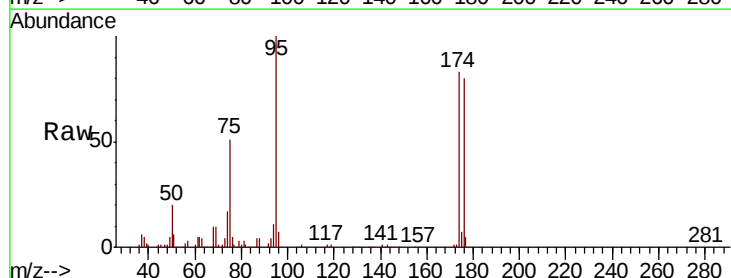
Instrument :
MSVOA_N
ClientSampled :
SOIL-PILE-B

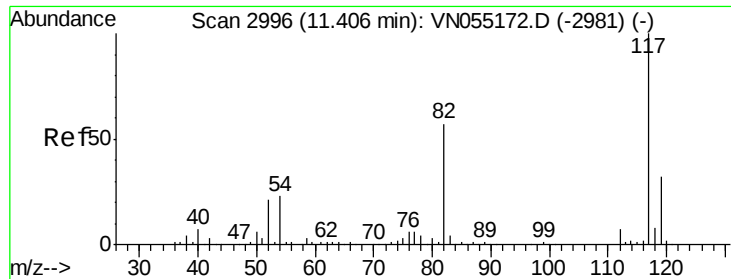
Tot Ion: 43 Resp: 157298
Ion Ratio Lower Upper
43 100
58 18.1 24.5 73.5#



#62
4-Bromofluorobenzene
Concen: 46.766 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055184.D
Acq: 22 Apr 2019 16:27

Tgt Ion: 95 Resp: 236725
Ion Ratio Lower Upper
95 100
174 84.6 0.0 168.4
176 81.3 0.0 164.0

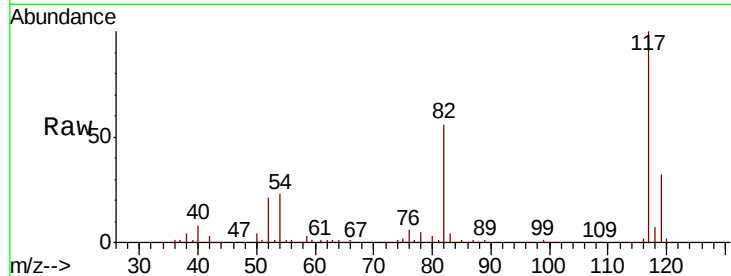




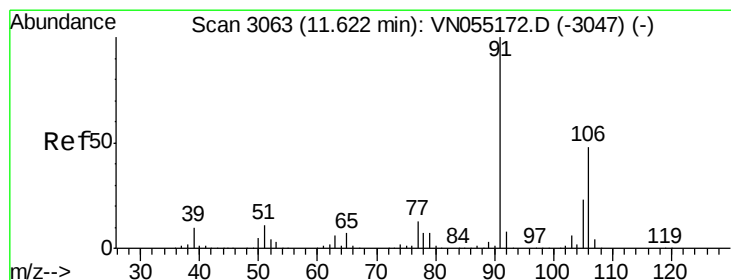
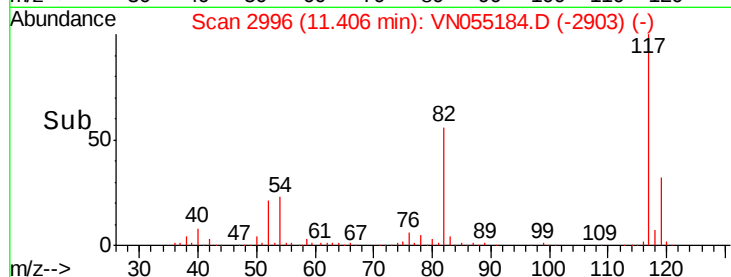
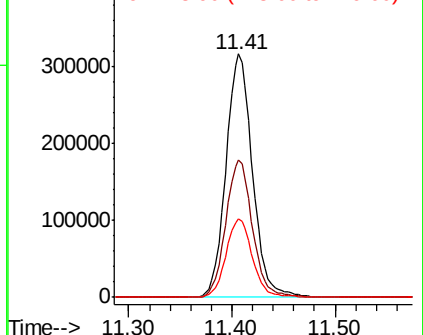
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055184.D
Acq: 22 Apr 2019 16:27

Instrument :
MSVOA_N
ClientSampled :
SOIL-PILE-B

Tot Ion:117 Resp: 565365
Ion Ratio Lower Upper
117 100
82 56.3 45.7 68.5
119 32.0 25.4 38.2

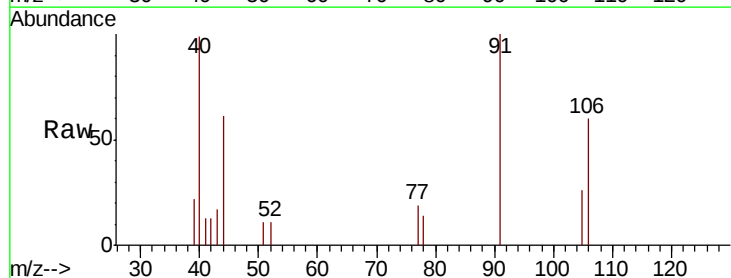


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

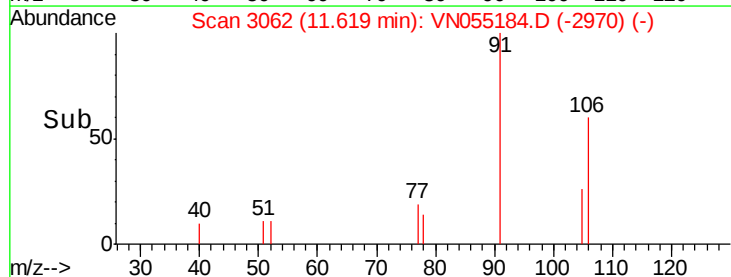
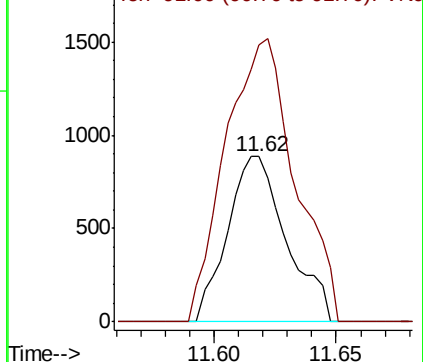


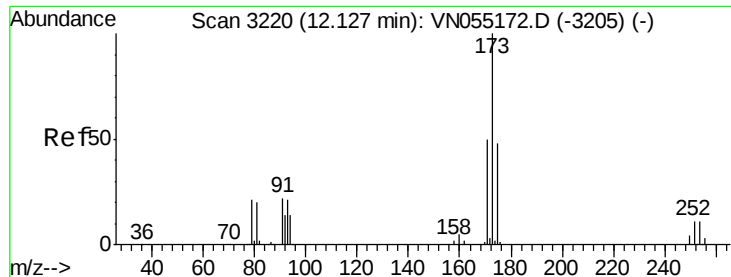
#68
m/p-Xylenes
Concen: 0.201 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055184.D
Acq: 22 Apr 2019 16:27

Tgt Ion:106 Resp: 1483
Ion Ratio Lower Upper
106 100
91 202.0 167.1 250.7



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





#71

Bromoform

Concen: 0.211 ug/l

RT: 12.39 min Scan# 3301

Delta R.T. 0.26 min

Lab File: VN055184.D

Acq: 22 Apr 2019 16:27

Instrument :

MSVOA_N

ClientSampled :

SOIL-PILE-B

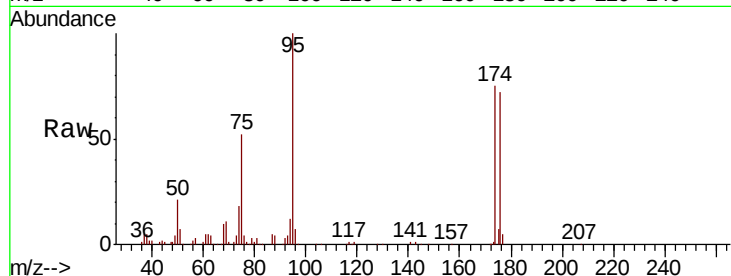
Tot Ion:173 Resp: 538

Ion Ratio Lower Upper

173 100

175 0.0 23.8 71.2#

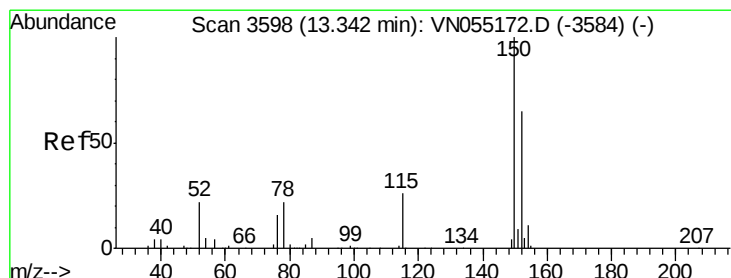
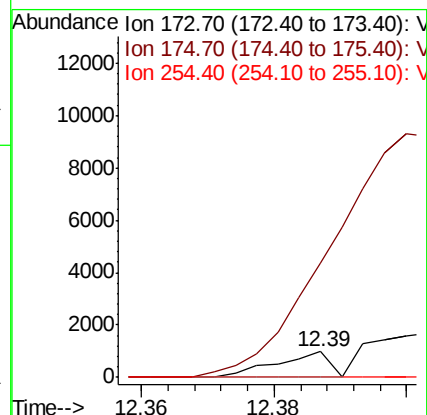
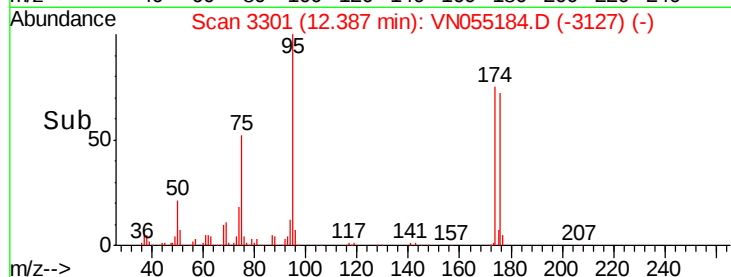
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055184.D

Acq: 22 Apr 2019 16:27

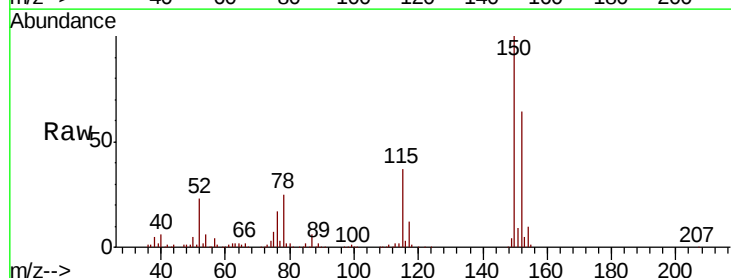
Tgt Ion:152 Resp: 166055

Ion Ratio Lower Upper

152 100

115 56.8 28.9 86.7

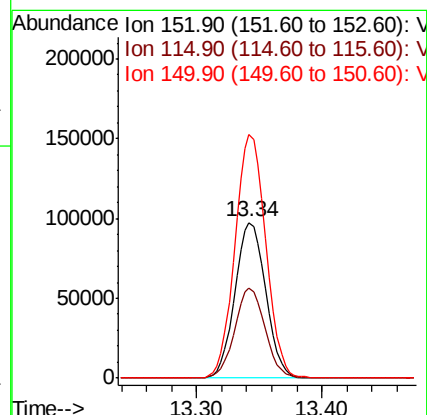
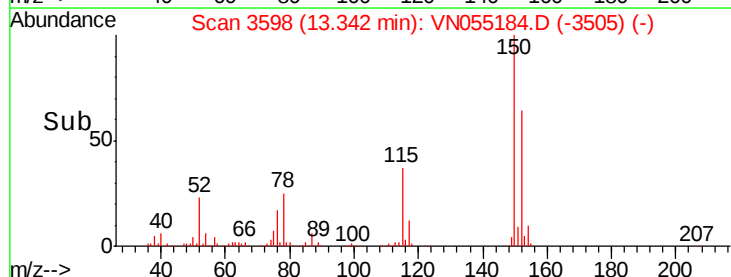
150 156.5 0.0 346.6

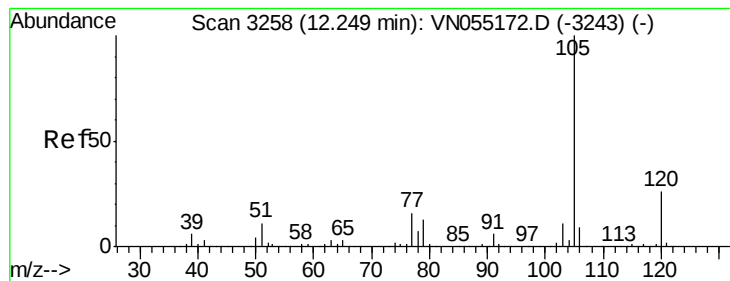


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.24 min Scan# 3256

Delta R.T. -0.01 min

Lab File: VN055184.D

Acq: 22 Apr 2019 16:27

Instrument :

MSVOA_N

ClientSampled :

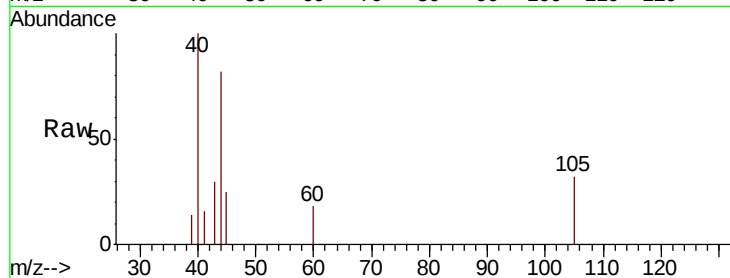
SOIL-PILE-B

Tot Ion:105 Resp: 646

Ion Ratio Lower Upper

105 100

120 4.8 13.1 39.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

400

300

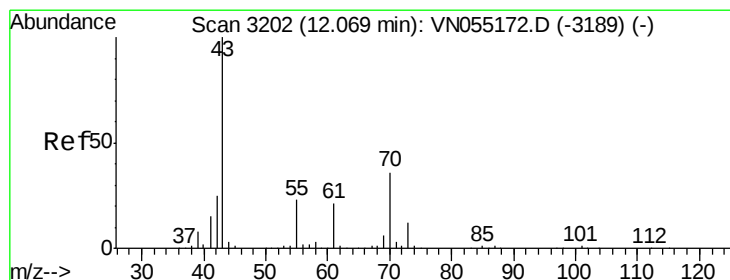
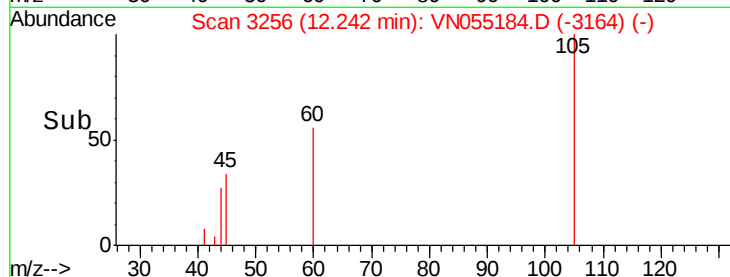
200

100

0

Time--> 12.20

12.25



#74

N-ethyl acetate

Concen: 3.230 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN055184.D

Acq: 22 Apr 2019 16:27

Tgt Ion: 43 Resp: 13830

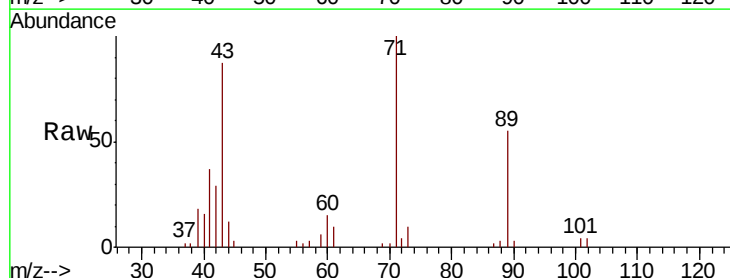
Ion Ratio Lower Upper

43 100

70 1.5 29.0 43.6#

55 3.2 18.5 27.7#

61 9.9 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

11.88

10000

5000

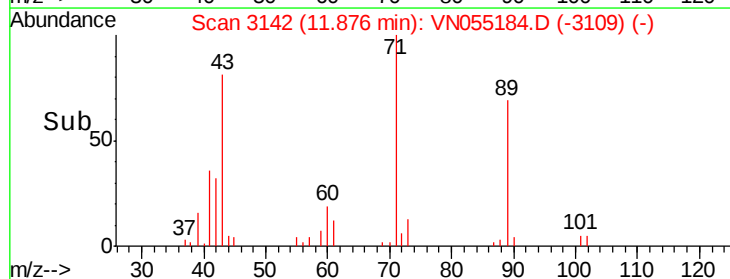
0

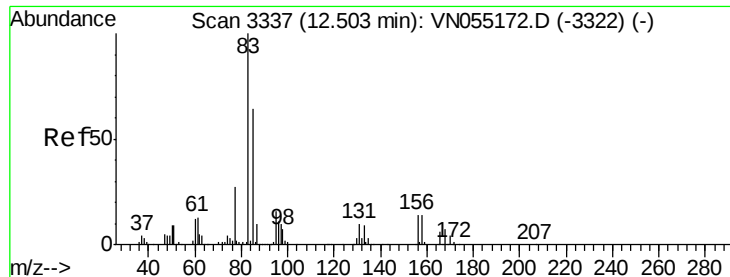
Time--> 11.80

11.85

11.90

11.95





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.38 min Scan# 3300

Delta R.T. -0.12 min

Lab File: VN055184.D

Acq: 22 Apr 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

SOIL-PILE-B

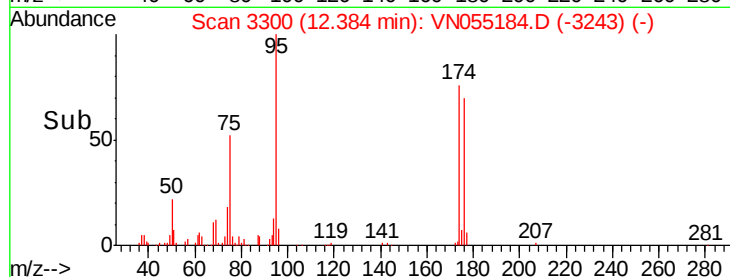
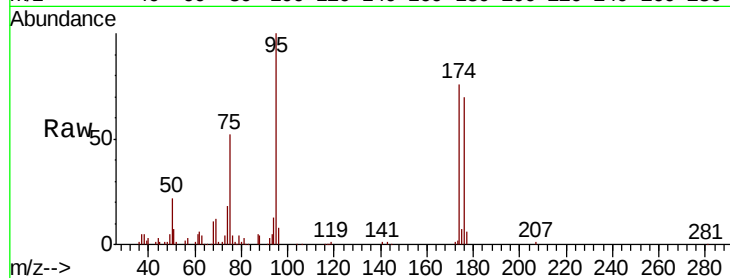
Tot Ion: 83 Resp: 197

Ion Ratio Lower Upper

83 100

131 101.0 5.0 15.0#

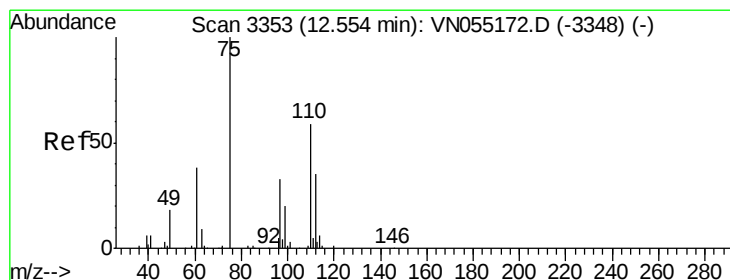
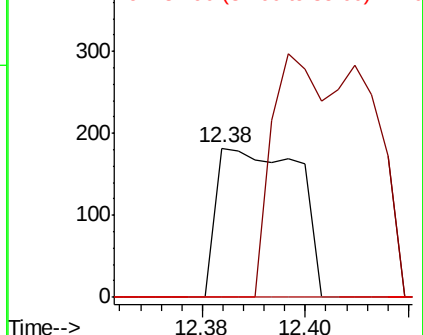
85 0.0 32.1 96.3#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 36.218 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055184.D

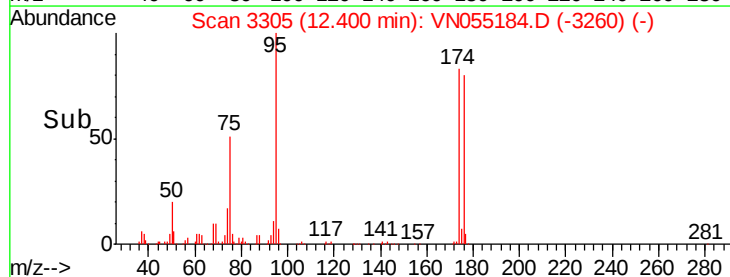
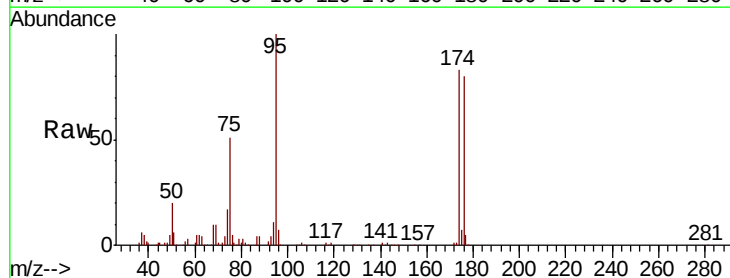
Acq: 22 Apr 2019 16:27

Tgt Ion: 75 Resp: 122012

Ion Ratio Lower Upper

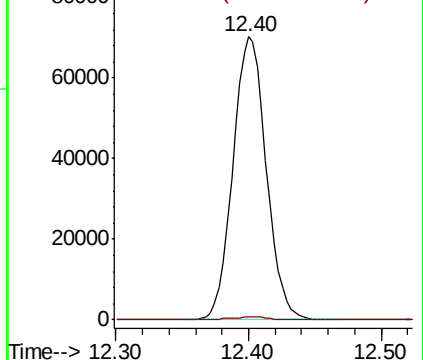
75 100

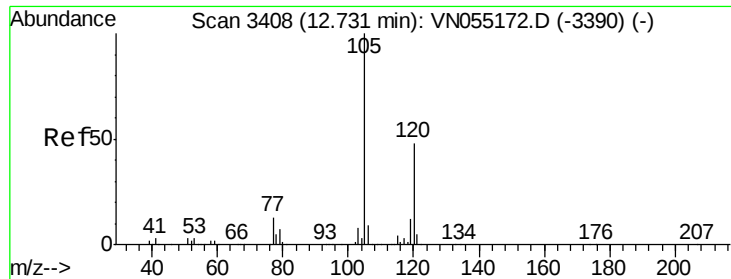
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.367 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055184.D

Acq: 22 Apr 2019 16:27

Instrument :

MSVOA_N

ClientSampled :

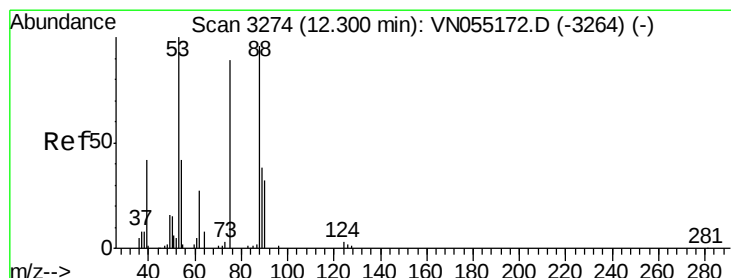
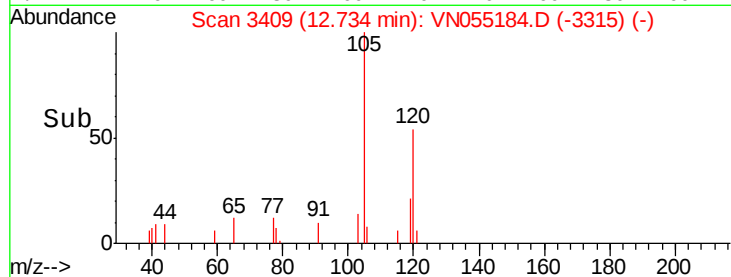
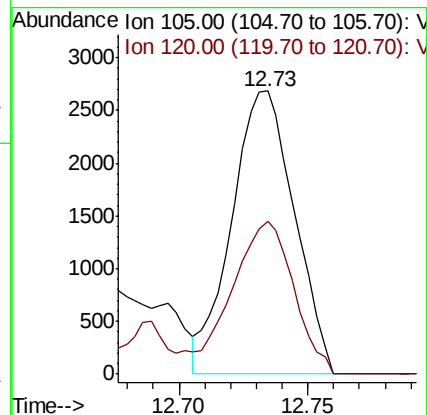
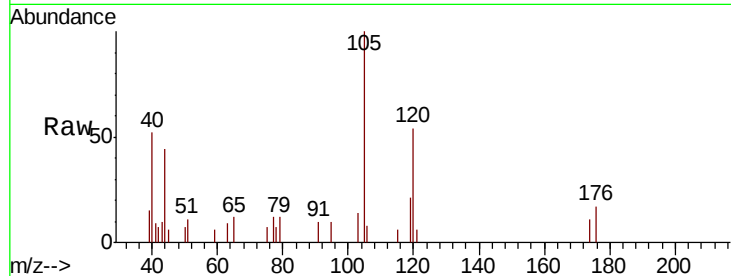
SOIL-PILE-B

Tot Ion:105 Resp: 4557

Ion Ratio Lower Upper

105 100

120 52.8 23.9 71.7



#81

trans-1,4-Dichloro-2-butene

Concen: 137.297 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055184.D

Acq: 22 Apr 2019 16:27

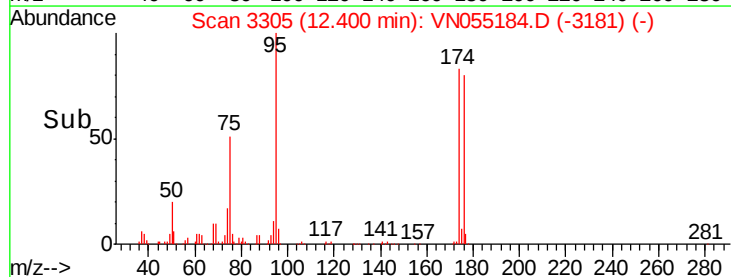
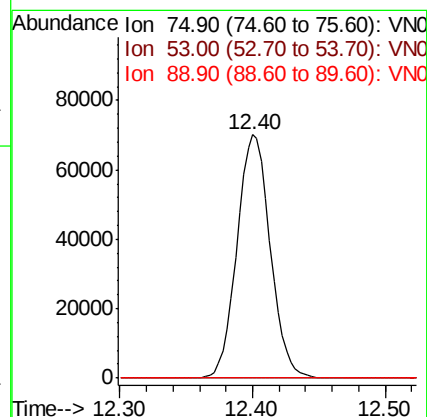
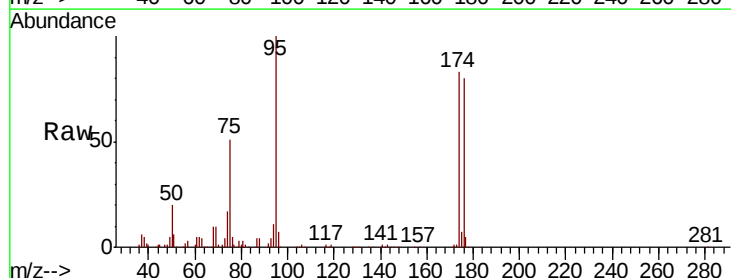
Tgt Ion: 75 Resp: 122012

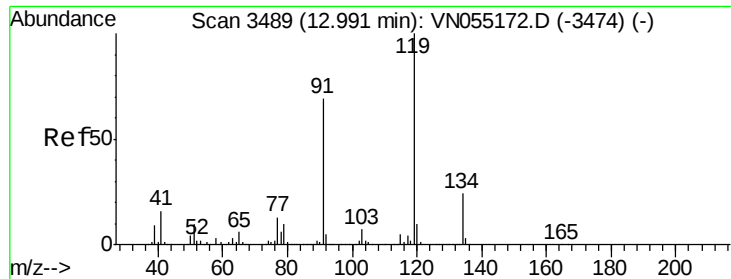
Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.0 36.7 55.1#

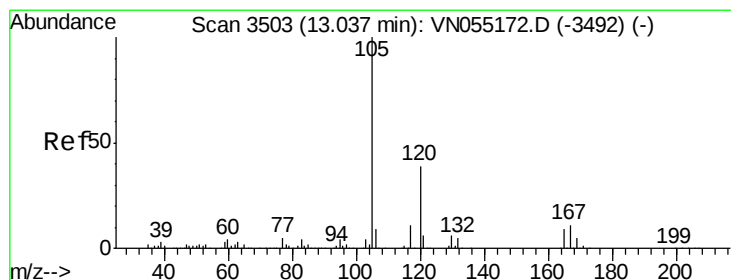
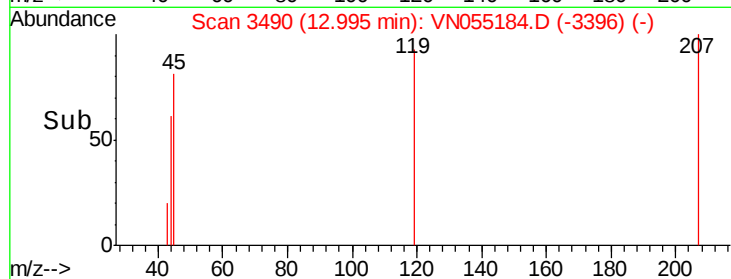
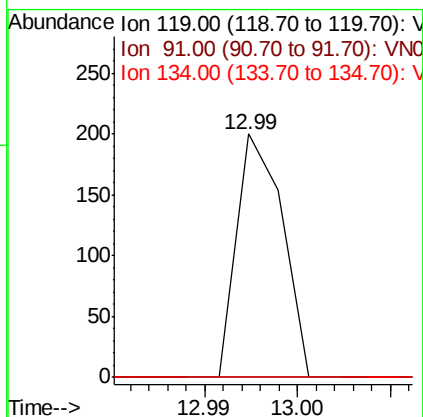
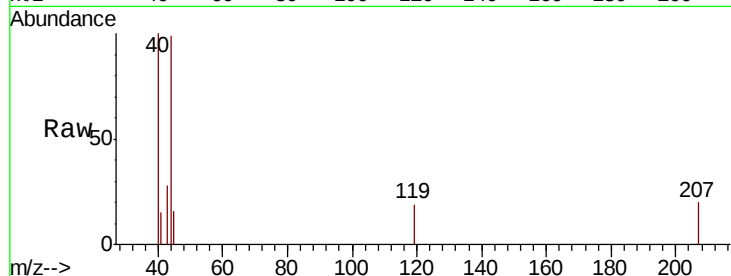




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055184.D
 Acq: 22 Apr 2019 16:27

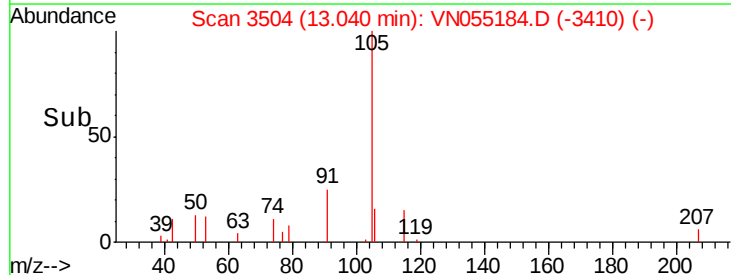
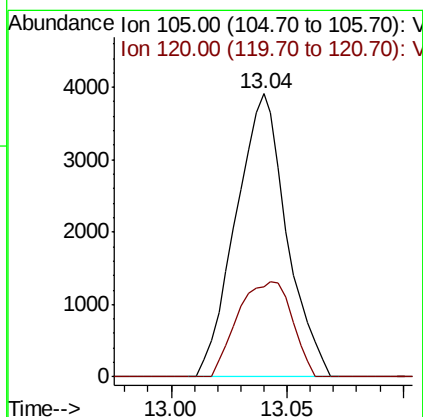
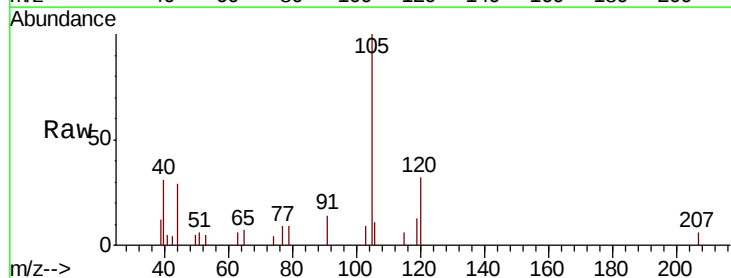
Instrument :
 MSVOA_N
 ClientSampled :
 SOIL-PILE-B

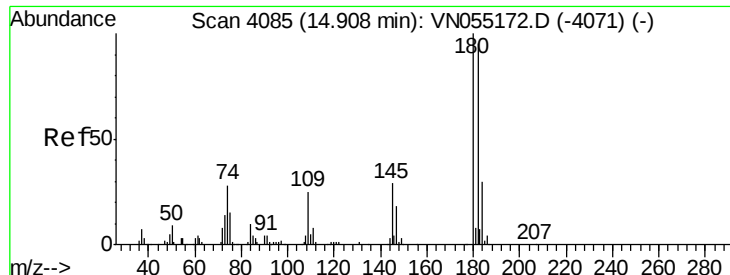
Tot Ion:119 Resp: 68
 Ion Ratio Lower Upper
 119 100
 91 0.0 33.8 101.3#
 134 0.0 13.2 39.5#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.508 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055184.D
 Acq: 22 Apr 2019 16:27

Tgt Ion:105 Resp: 5965
 Ion Ratio Lower Upper
 105 100
 120 35.9 22.7 68.1

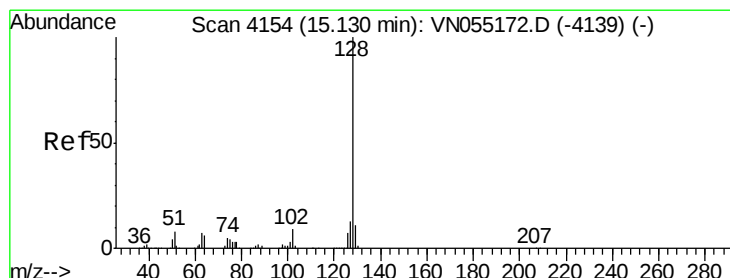
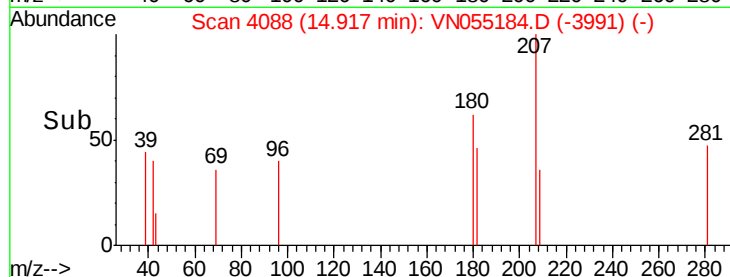
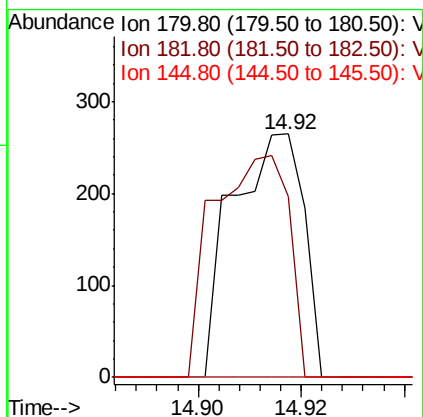
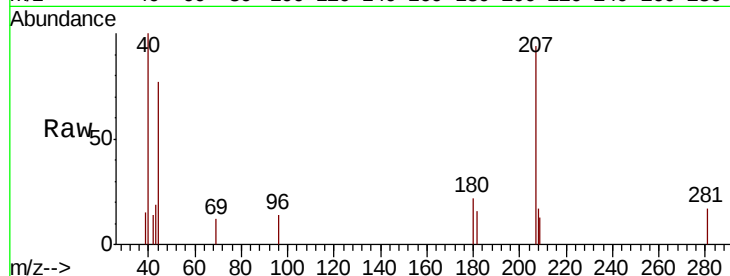




#93
 1,2,4-Trichlorobenzene
 Concen: 2.836 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.01 min
 Lab File: VN055184.D
 Acq: 22 Apr 2019 16:27

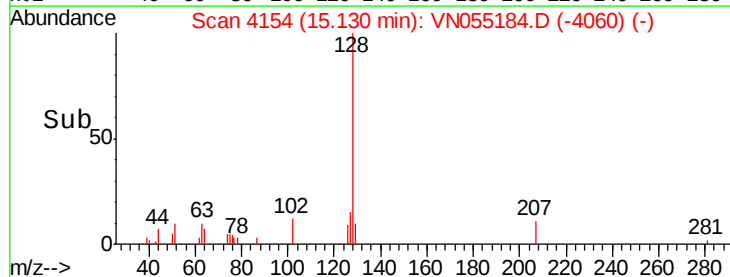
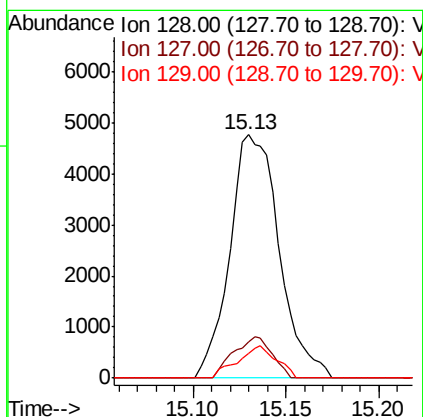
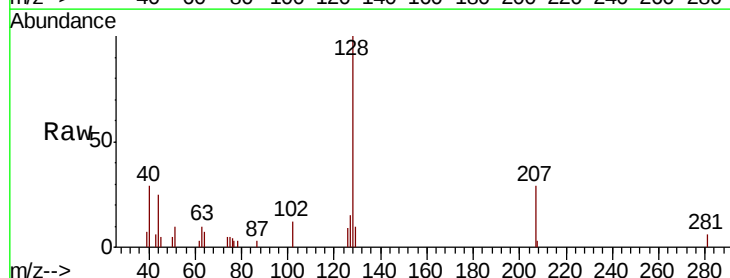
Instrument :
 MSVOA_N
 ClientSampled :
 SOIL-PILE-B

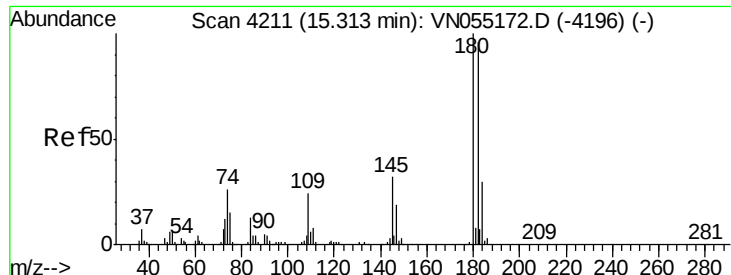
Tot Ion:180 Resp: 253
 Ion Ratio Lower Upper
 180 100
 182 96.8 47.8 143.4
 145 0.0 14.5 43.5#



#95
 Naphthalene
 Concen: 4.929 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN055184.D
 Acq: 22 Apr 2019 16:27

Tgt Ion:128 Resp: 8811
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.3 15.5
 129 10.4 8.8 13.2

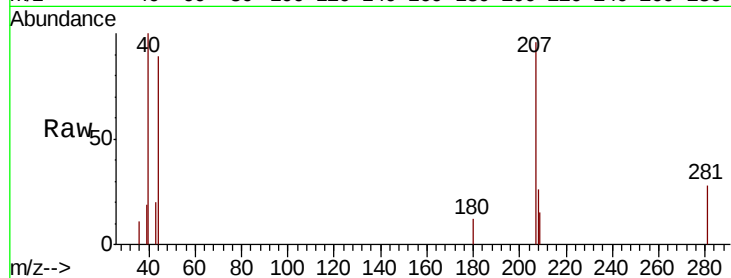




#96
 1,2,3-Trichlorobenzene
 Concen: 2.149 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN055184.D
 Acq: 22 Apr 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-PILE-B

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.6	47.2	141.6
145	0.0	15.4	46.1



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

