

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011019\
 Data File : VN053345.D
 Acq On : 10 Jan 2019 16:48
 Operator : MD\SY
 Sample : K1100-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-DRUM-C

Quant Time: Jan 11 05:47:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1033150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1607852	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1538813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	654214	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	514360	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
35) Dibromofluoromethane	7.59	113	457444	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
50) Toluene-d8	10.09	98	2022557	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
62) 4-Bromofluorobenzene	12.40	95	707386	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	

Target Compounds						Qvalue
13) Acrolein	3.62	56	192	0.236	ug/l #	14
14) Allyl chloride	4.55	41	14171	0.912	ug/l #	25
16) Acetone	3.82	43	16733	4.271	ug/l	98
18) Methyl Acetate	4.34	43	4984	0.512	ug/l #	60
20) Methylene Chloride	4.55	84	372733	32.287	ug/l	97
25) 2-Butanone	6.85	43	3831	0.869	ug/l	96
29) Tetrahydrofuran	7.21	42	930	0.320	ug/l #	85
30) Chloroform	7.37	83	7480	0.394	ug/l	94
31) Cyclohexane	7.67	56	16949	0.732	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	68103	4.537	ug/l #	48
38) Carbon Tetrachloride	7.66	117	90721	6.548	ug/l #	16
43) Isopropyl Acetate	8.17	43	49401	2.568	ug/l #	79
45) 1,2-Dichloropropane	9.27	63	2913	0.242	ug/l #	43
48) Methyl methacrylate	9.18	41	12785	1.463	ug/l #	12
49) 1,4-Dioxane	9.27	88	180	1.933	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	6186	0.640	ug/l	95
52) Toluene	10.16	92	7776	0.276	ug/l	92
54) cis-1,3-Dichloropropene	9.90	75	97904	5.668	ug/l #	63
57) 1,3-Dichloropropane	10.76	76	21375	1.236	ug/l #	42
59) 2-Hexanone	10.76	43	285138	43.025	ug/l #	51
67) Ethyl Benzene	11.51	91	43550	0.767	ug/l	99
68) m/p-Xylenes	11.62	106	81798	3.830	ug/l	98
69) o-Xylene	11.95	106	41741	1.996	ug/l	99
71) Bromoform	12.40	173	4394	0.532	ug/l #	1
74) N-amyl acetate	11.88	43	33589	2.309	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	333115	34.910	ug/l #	100
78) n-propylbenzene	12.59	91	13444	0.244	ug/l	100
79) 2-Chlorotoluene	12.65	91	8323	0.250	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	40362	1.029	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	333115	102.712	ug/l #	14
83) tert-Butylbenzene	13.04	119	20654	0.600	ug/l #	68
84) 1,2,4-Trimethylbenzene	13.04	105	167484	4.190	ug/l	100
85) sec-Butylbenzene	13.04	105	167484	3.689	ug/l #	56
95) Naphthalene	15.13	128	38788	3.372	ug/l	100

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Response via : Initial Calibration

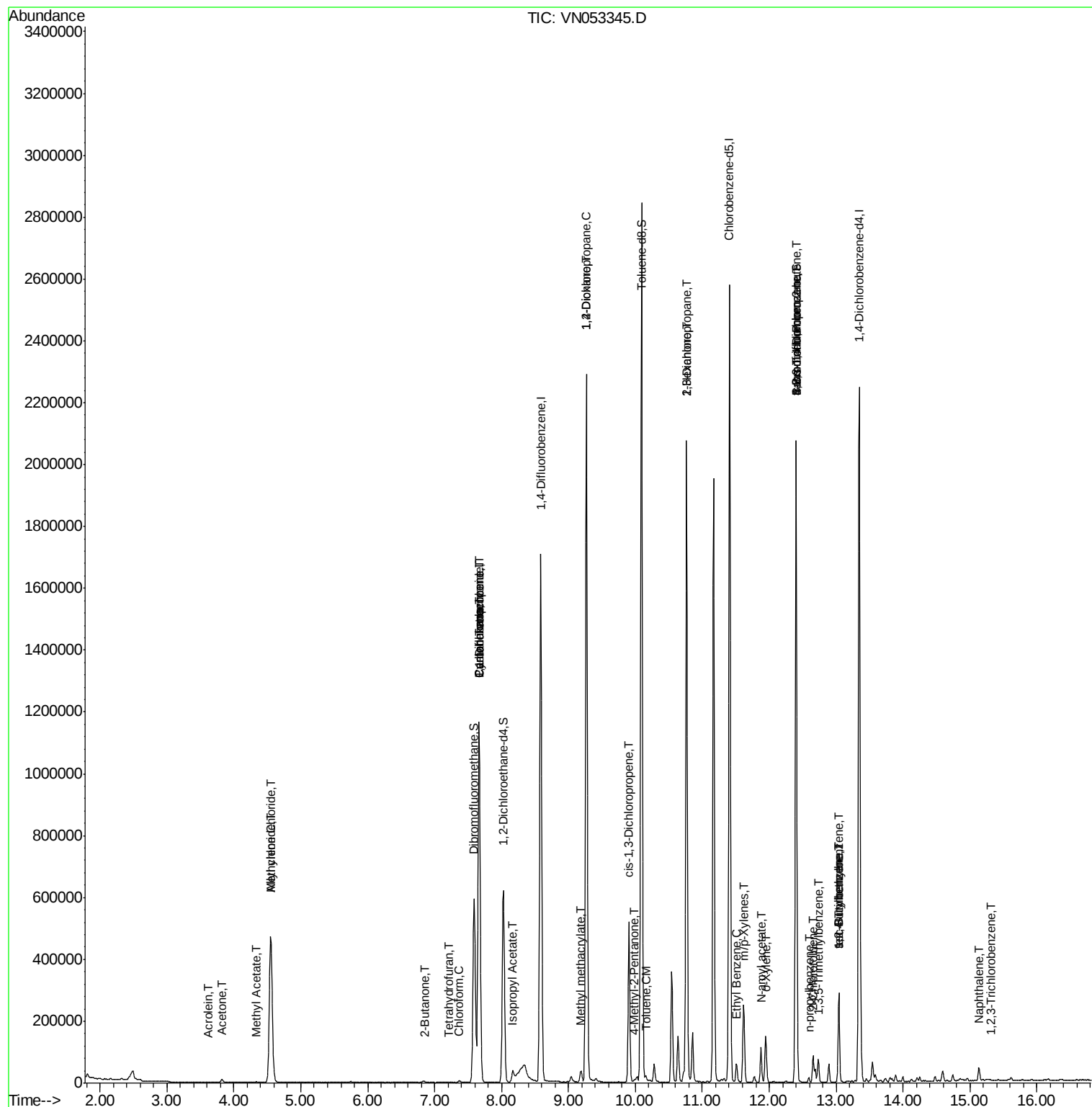
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	890	0.202	ug/l #	72

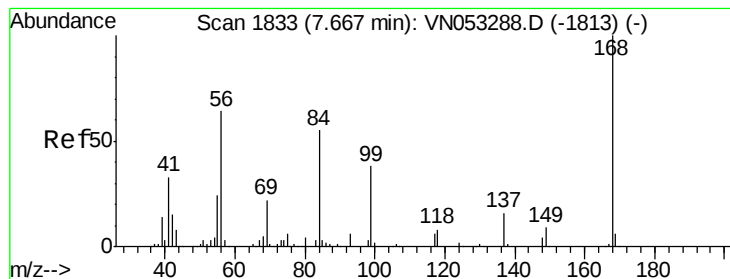
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053345.D

Acq: 10 Jan 2019 16:48

Instrument :

MSVOA_N

ClientSampleId :

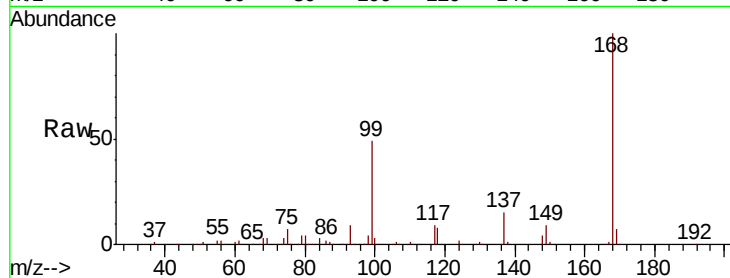
SOIL-DRUM-C

Tgt Ion:168 Resp: 1033150

Ion Ratio Lower Upper

168 100

99 49.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053288.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN053288.D (-1813) (-)

7.67

400000

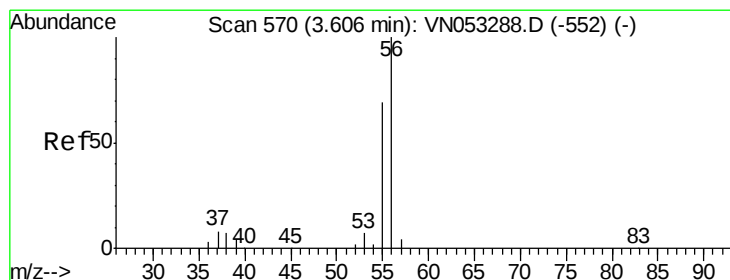
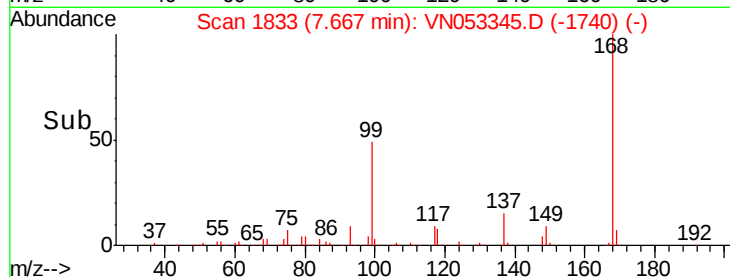
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.236 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN053345.D

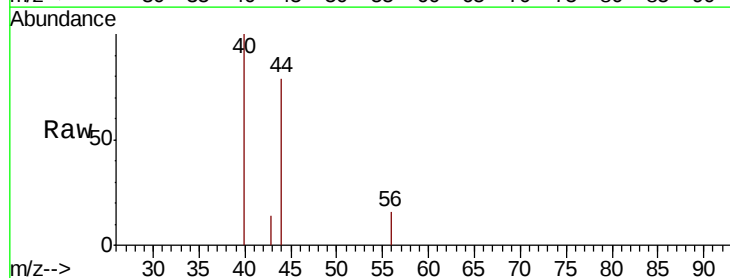
Acq: 10 Jan 2019 16:48

Tgt Ion: 56 Resp: 192

Ion Ratio Lower Upper

56 100

55 0.0 56.3 84.5#



Abundance Ion 56.00 (55.70 to 56.70): VN053288.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN053288.D (-552) (-)

3.62

200

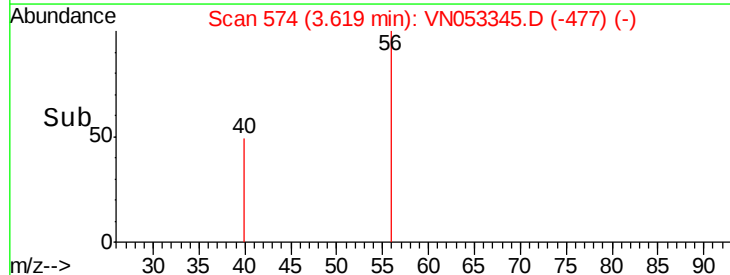
150

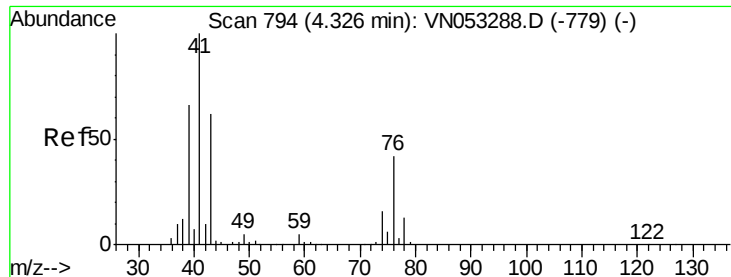
100

50

0

Time-->

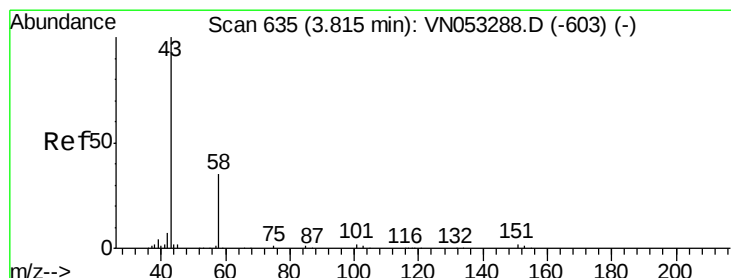
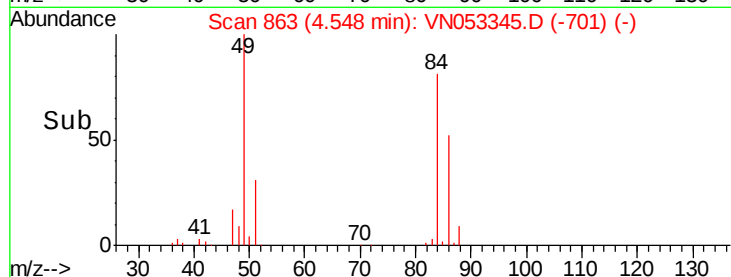
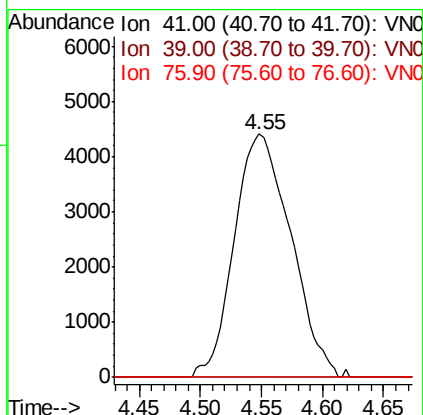
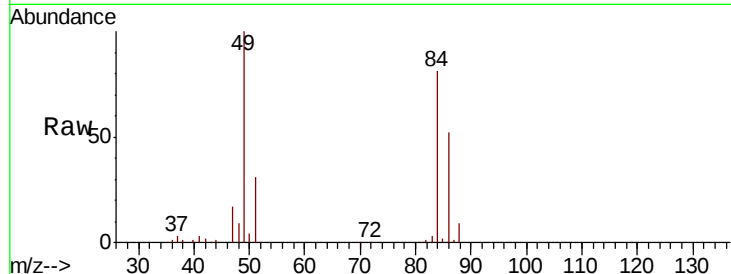




#14
 Allyl chloride
 Concen: 0.912 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. 0.22 min
 Lab File: VN053345.D
 Acq: 10 Jan 2019 16:48

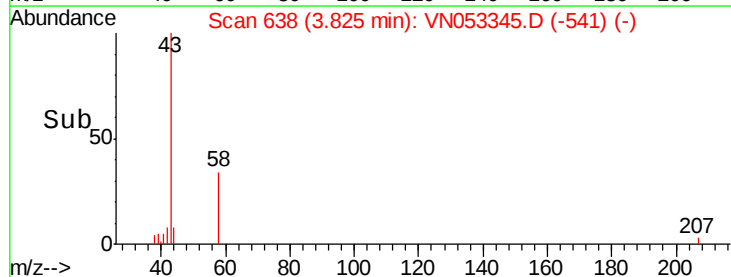
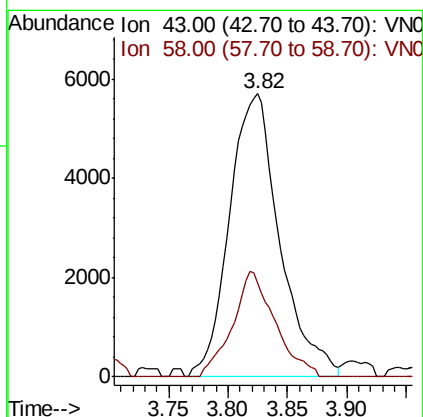
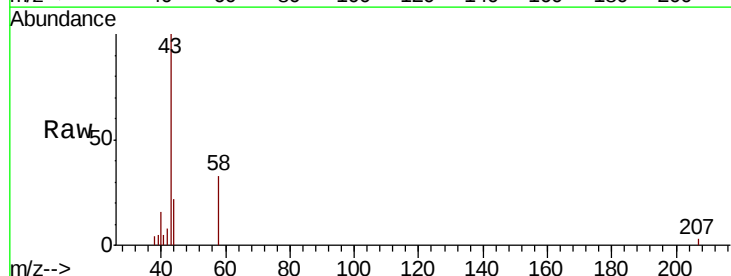
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 SOIL-DRUM-C

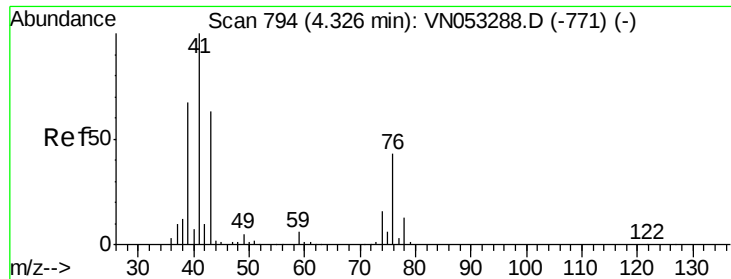
Tgt Ion: 41 Resp: 14171
 Ion Ratio Lower Upper
 41 100
 39 0.0 51.9 77.9#
 76 0.0 31.2 46.8#



#16
 Acetone
 Concen: 4.271 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN053345.D
 Acq: 10 Jan 2019 16:48

Tgt Ion: 43 Resp: 16733
 Ion Ratio Lower Upper
 43 100
 58 33.4 27.8 41.6

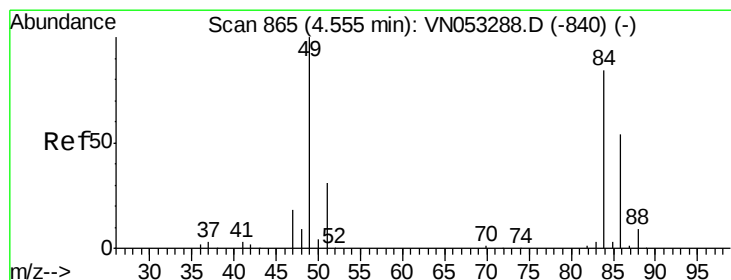
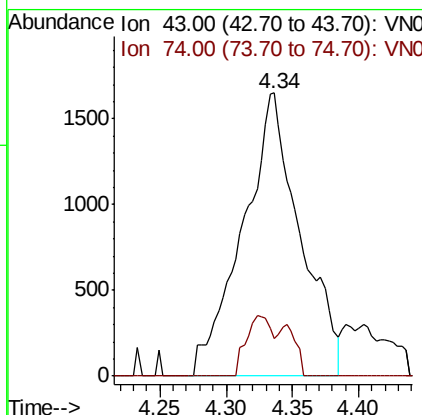
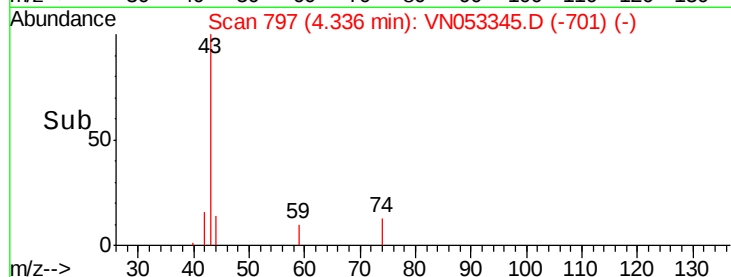
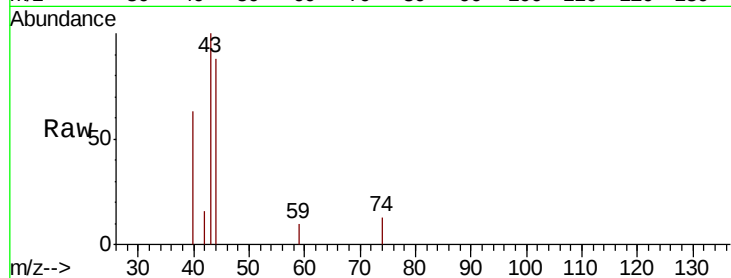




#18
Methyl Acetate
Concen: 0.512 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN053345.D
Acq: 10 Jan 2019 16:48

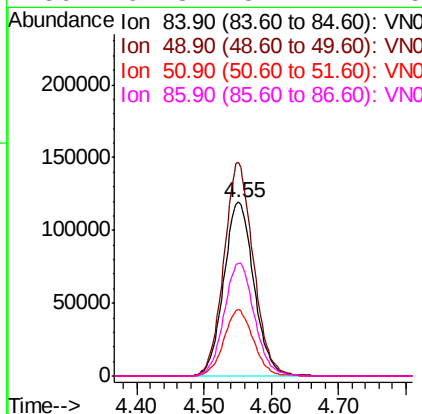
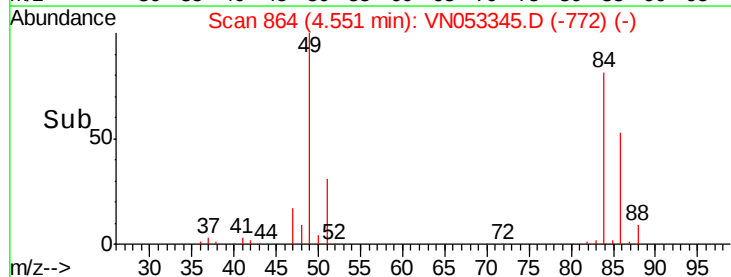
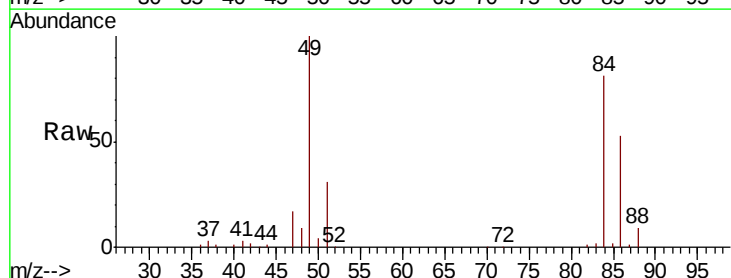
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ClientSampleId :
SOIL-DRUM-C

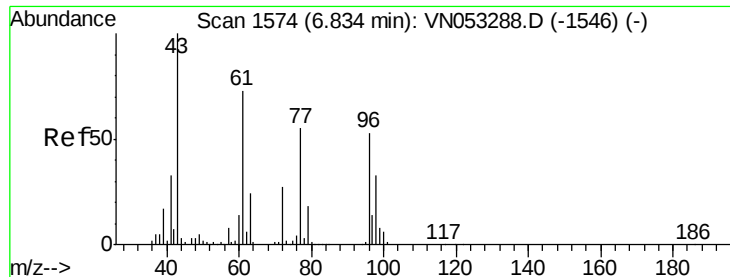
Tgt Ion: 43 Resp: 4984
Ion Ratio Lower Upper
43 100
74 4.7 19.8 29.8#



#20
Methylene Chloride
Concen: 32.287 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053345.D
Acq: 10 Jan 2019 16:48

Tgt Ion: 84 Resp: 372733
Ion Ratio Lower Upper
84 100
49 123.0 95.3 142.9
51 38.4 29.0 43.6
86 64.8 51.7 77.5

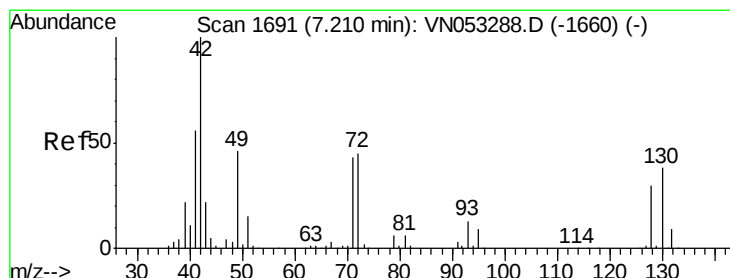
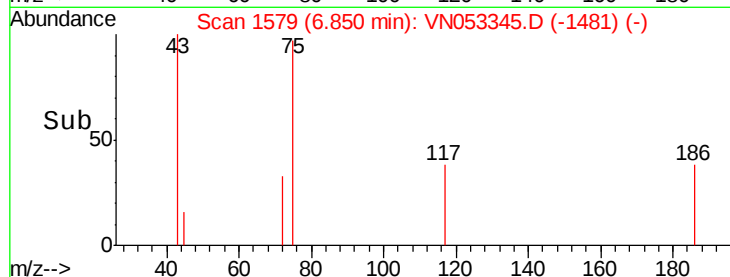
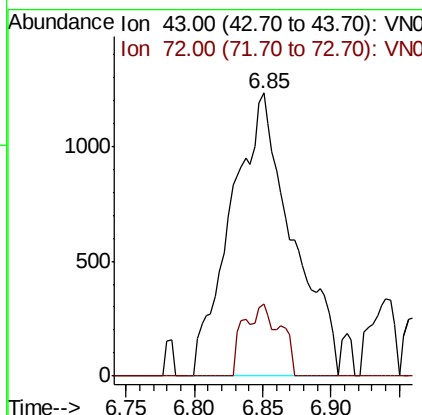
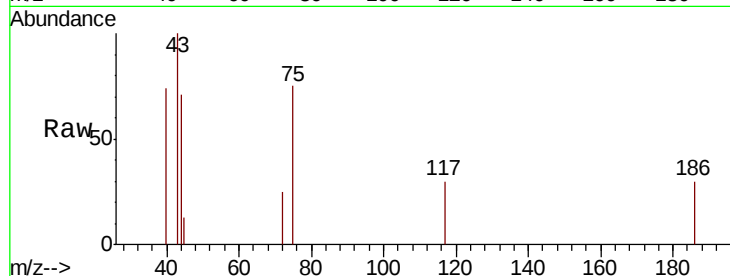




#25
 2-Butanone
 Concen: 0.869 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. 0.02 min
 Lab File: VN053345.D
 Acq: 10 Jan 2019 16:48

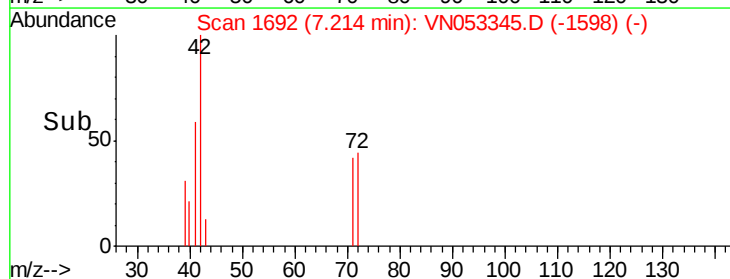
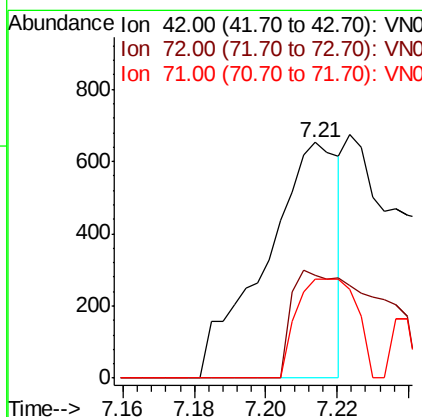
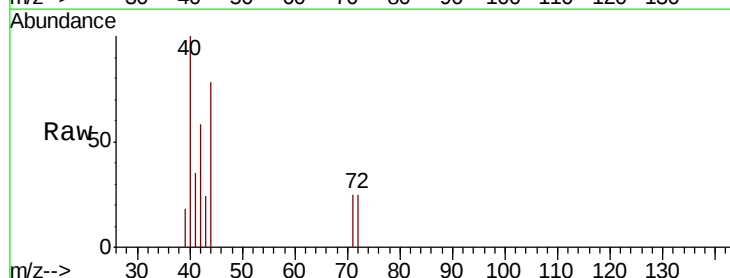
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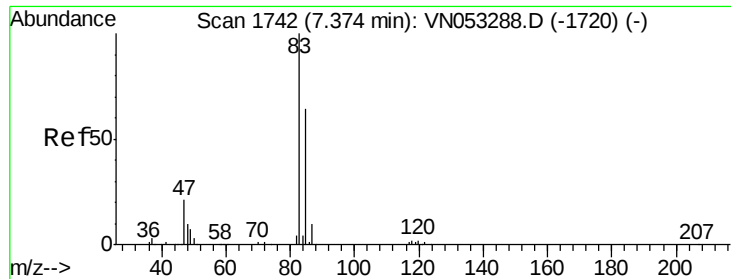
Tgt Ion: 43 Resp: 3831
 Ion Ratio Lower Upper
 43 100
 72 25.3 22.0 33.0



#29
 Tetrahydrofuran
 Concen: 0.320 ug/l
 RT: 7.21 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VN053345.D
 Acq: 10 Jan 2019 16:48

Tgt Ion: 42 Resp: 930
 Ion Ratio Lower Upper
 42 100
 72 55.7 35.6 53.4#
 71 33.9 33.8 50.8

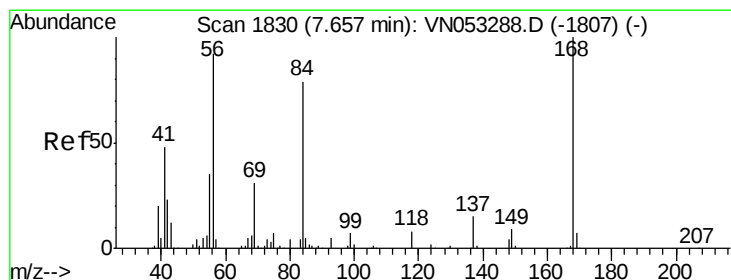
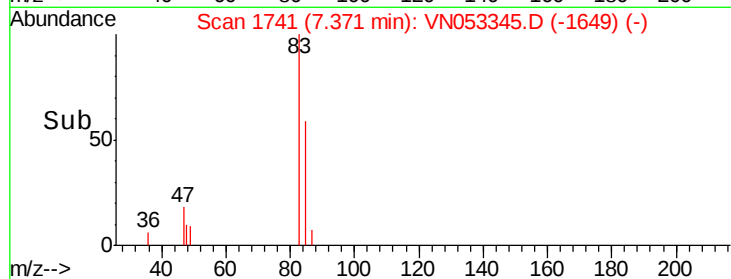
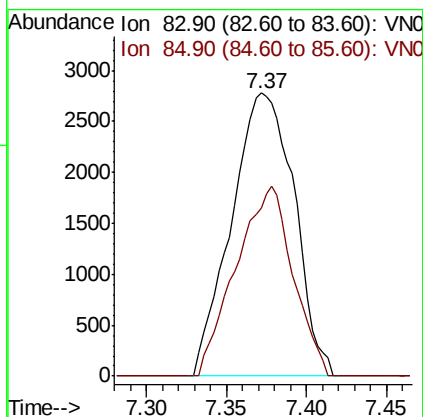
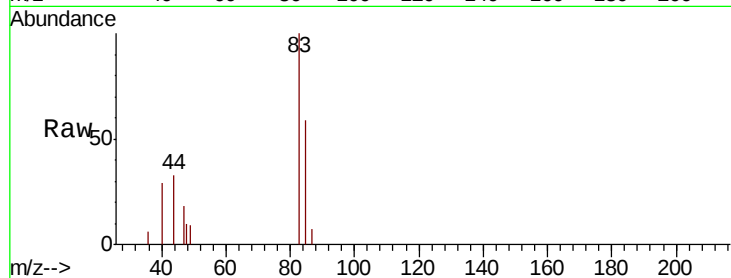




#30
Chloroform
Concen: 0.394 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053345.D
Acq: 10 Jan 2019 16:48

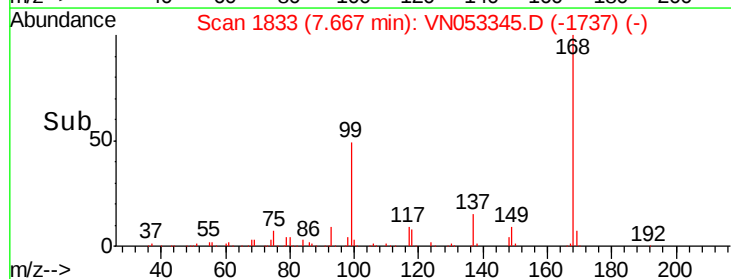
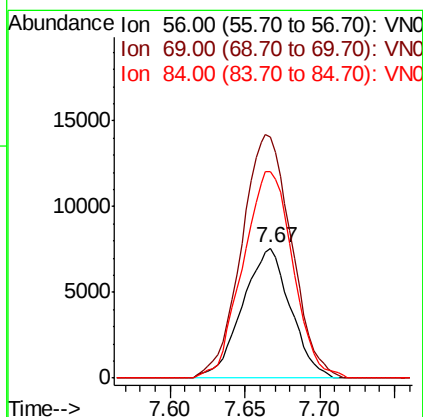
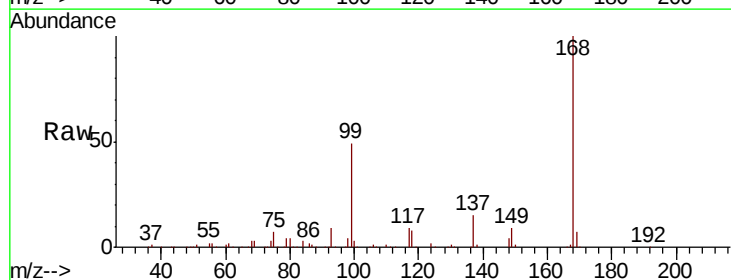
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SOIL-DRUM-C

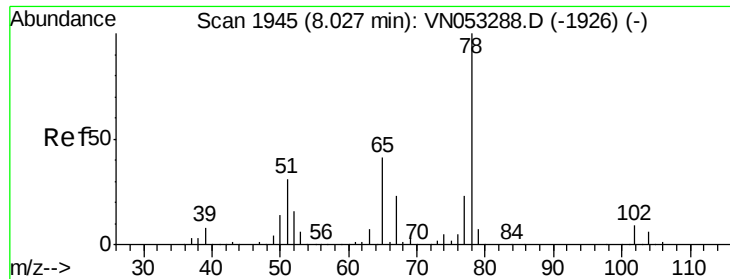
Tgt Ion: 83 Resp: 7480
Ion Ratio Lower Upper
83 100
85 59.5 51.3 76.9



#31
Cyclohexane
Concen: 0.732 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN053345.D
Acq: 10 Jan 2019 16:48

Tgt Ion: 56 Resp: 16949
Ion Ratio Lower Upper
56 100
69 185.4 26.7 40.1#
84 158.4 68.2 102.4#

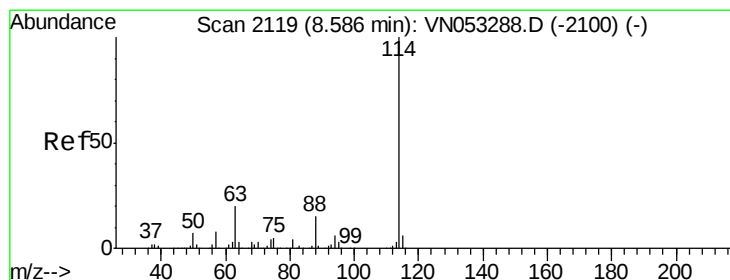
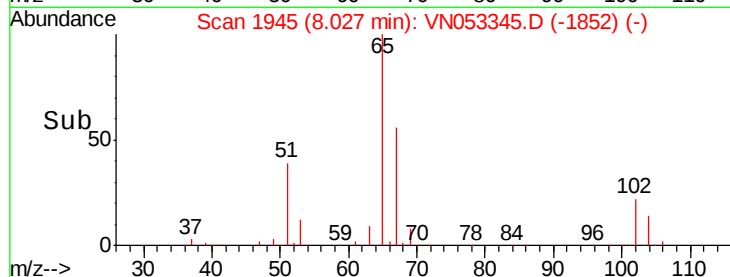
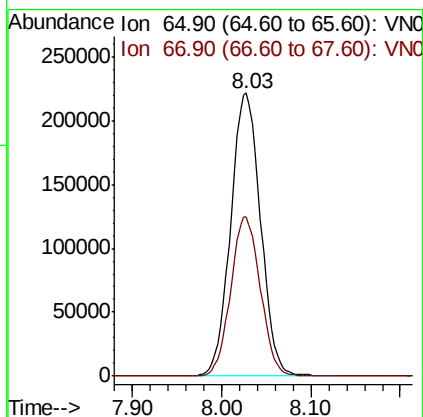
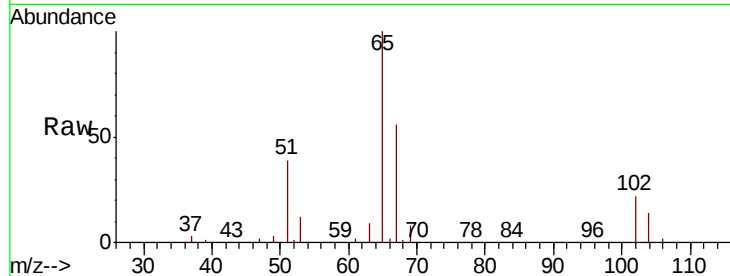




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053345.D
 Acq: 10 Jan 2019 16:48

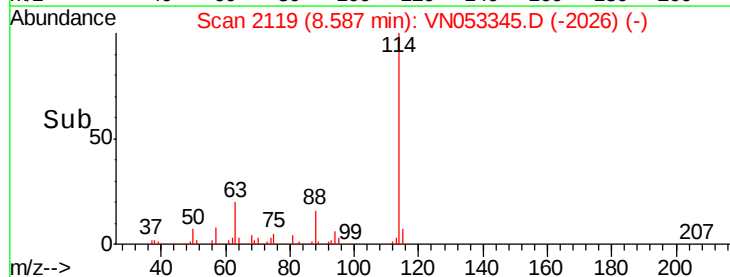
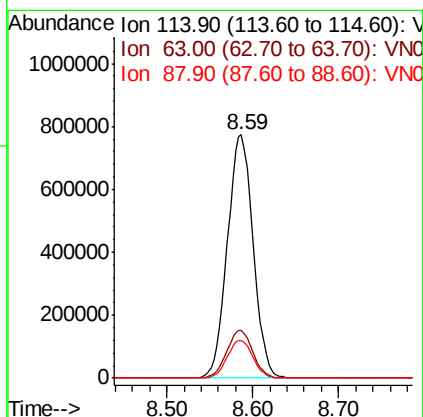
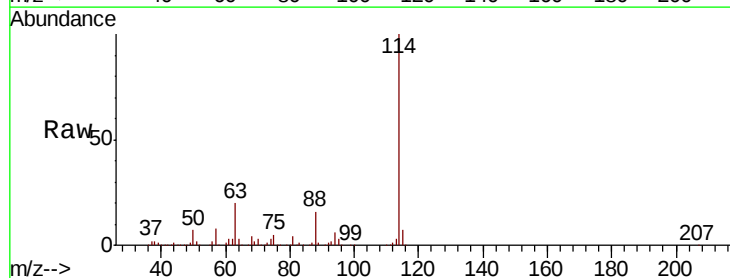
Instrument :
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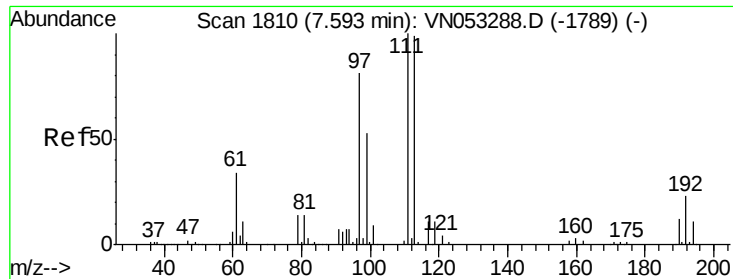
Tgt Ion: 65 Resp: 514360
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053345.D
 Acq: 10 Jan 2019 16:48

Tgt Ion: 114 Resp: 1607852
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.6 0.0 30.8

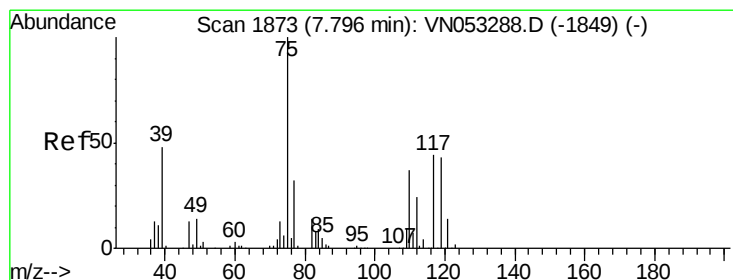
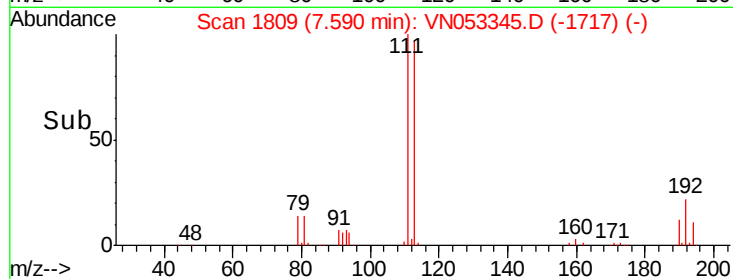
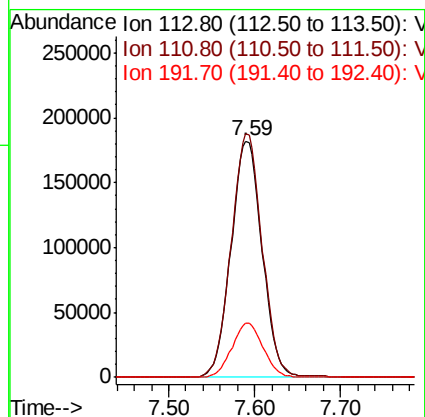
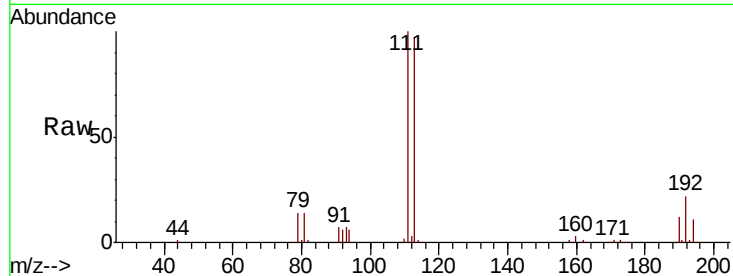




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053345.D
 Acq: 10 Jan 2019 16:48

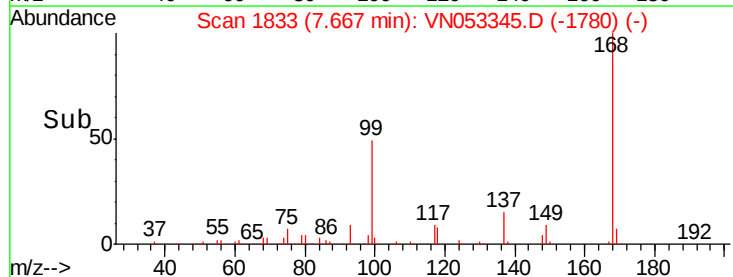
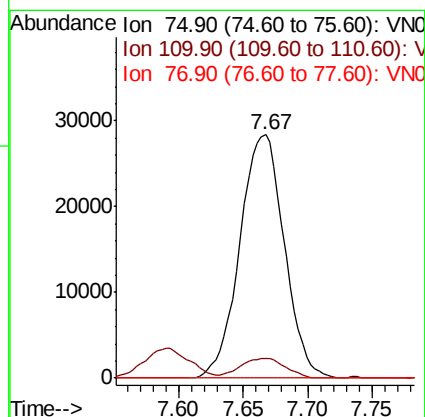
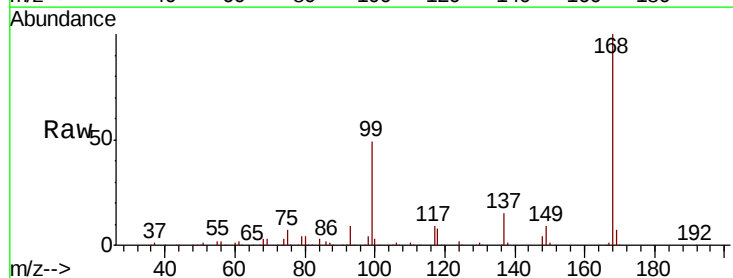
Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-DRUM-C

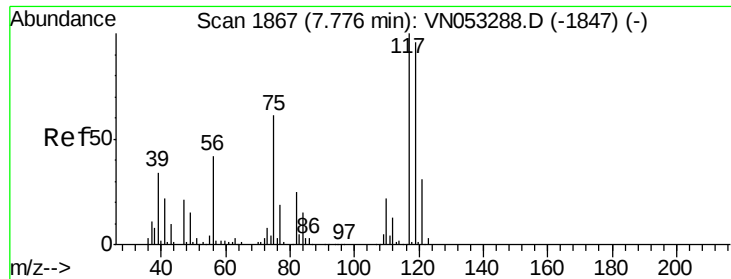
Tgt Ion:113 Resp: 457444
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.4 122.2
 192 23.0 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.537 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053345.D
 Acq: 10 Jan 2019 16:48

Tgt Ion: 75 Resp: 68103
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.4 55.0#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.548 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053345.D

Acq: 10 Jan 2019 16:48

Instrument :

MSVOA_N

ClientSampled :

SOIL-DRUM-C

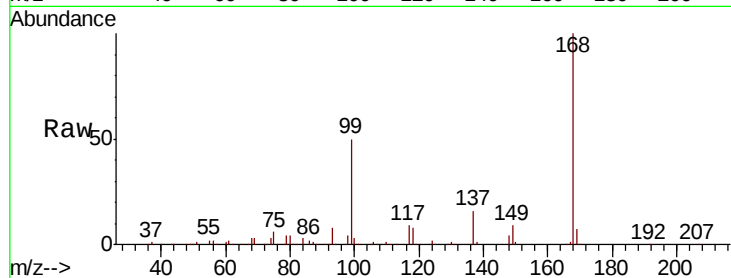
Tgt Ion:117 Resp: 90721

Ion Ratio Lower Upper

117 100

119 4.9 76.6 115.0#

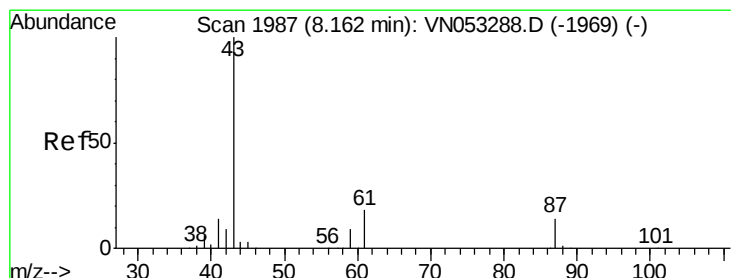
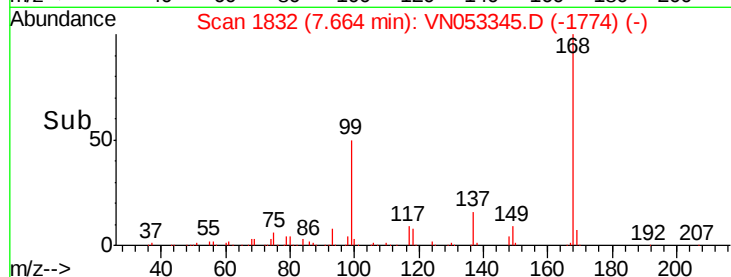
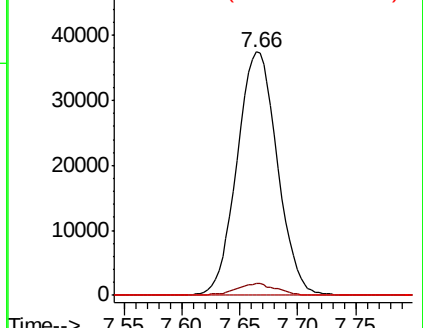
121 0.0 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 2.568 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN053345.D

Acq: 10 Jan 2019 16:48

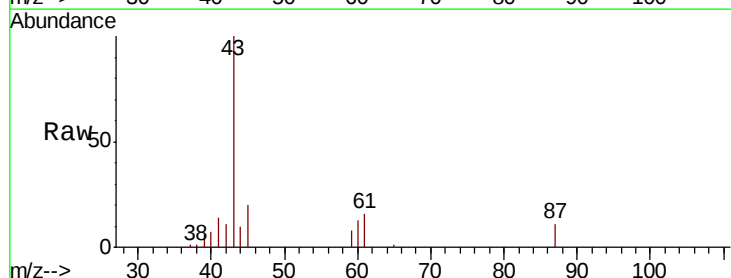
Tgt Ion: 43 Resp: 49401

Ion Ratio Lower Upper

43 100

61 15.1 23.3 34.9#

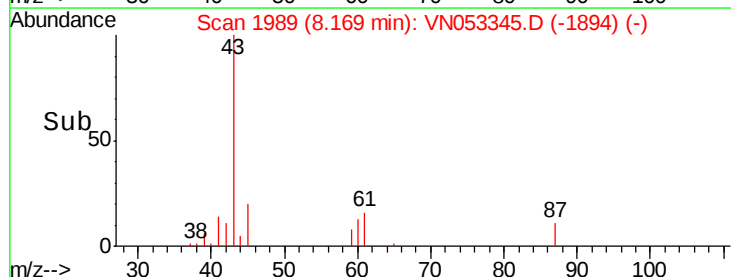
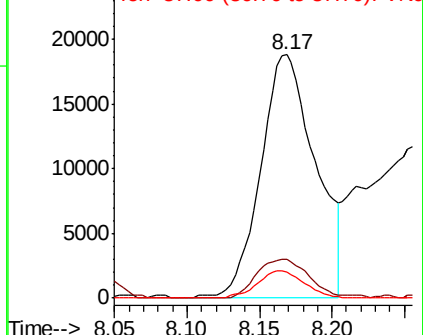
87 9.6 10.8 16.2#

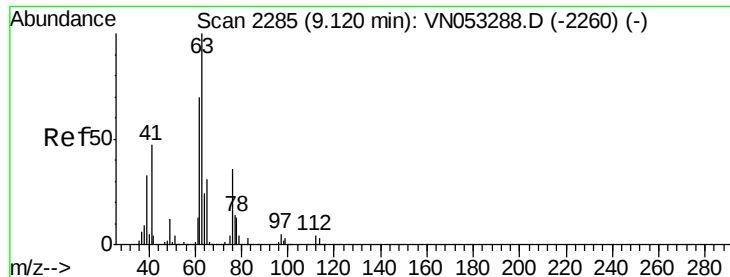


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#45

1,2-Dichloropropane

Concen: 0.242 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.14 min

Lab File: VN053345.D

Acq: 10 Jan 2019 16:48

Instrument :

MSVOA_N

ClientSampleId :

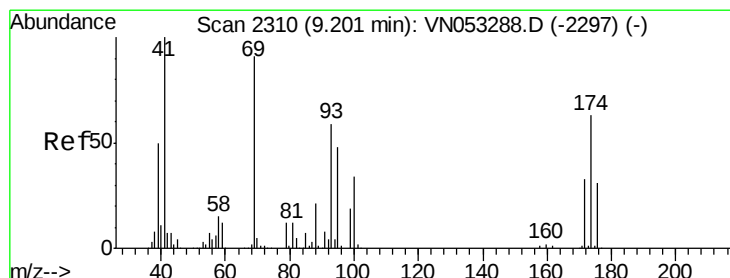
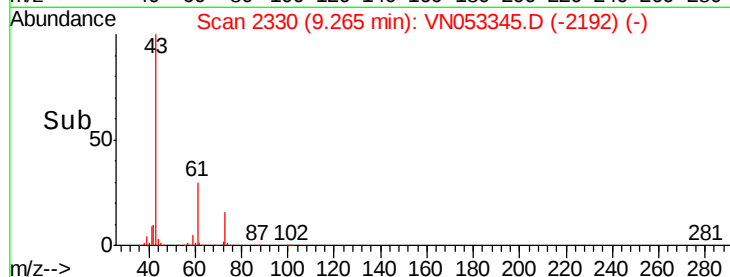
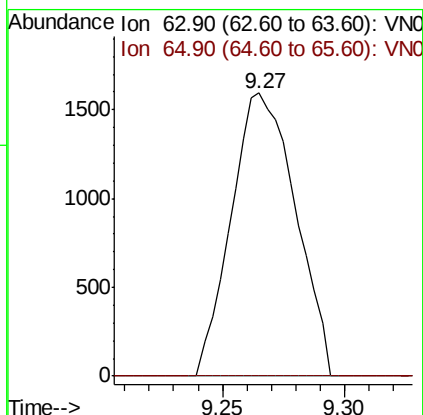
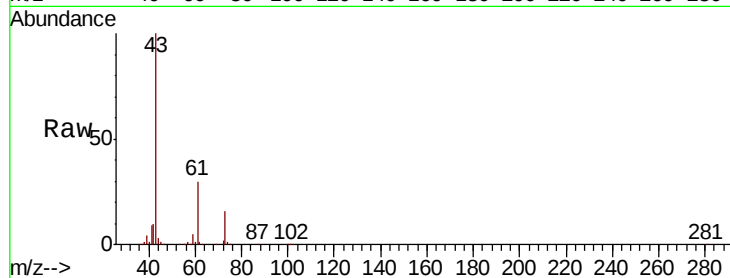
SOIL-DRUM-C

Tgt Ion: 63 Resp: 2913

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.6#



#48

Methyl methacrylate

Concen: 1.463 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN053345.D

Acq: 10 Jan 2019 16:48

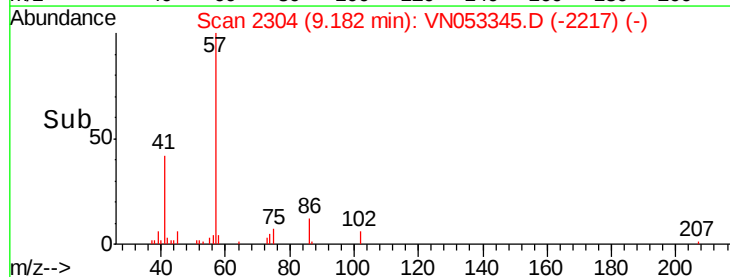
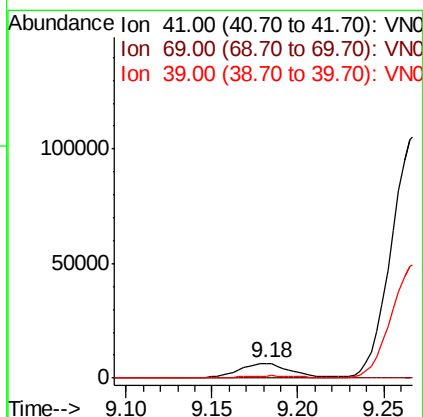
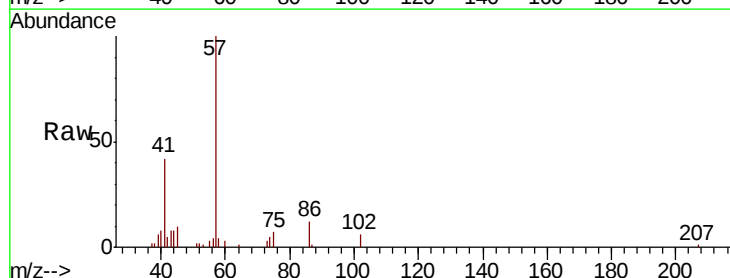
Tgt Ion: 41 Resp: 12785

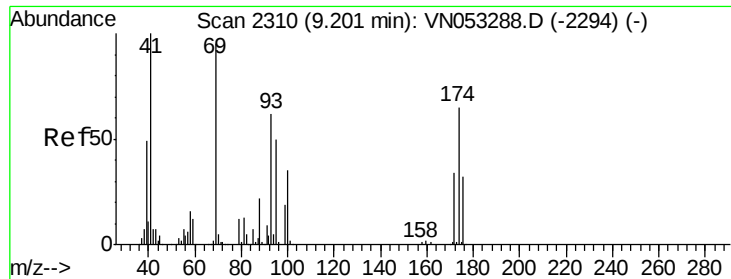
Ion Ratio Lower Upper

41 100

69 0.0 73.5 110.3#

39 0.0 41.6 62.4#





#49

1,4-Dioxane

Concen: 1.933 ug/l

RT: 9.27 min Scan# 2333

Delta R.T. 0.07 min

Lab File: VN053345.D

Acq: 10 Jan 2019 16:48

Instrument :

MSVOA_N

ClientSampleId :

SOIL-DRUM-C

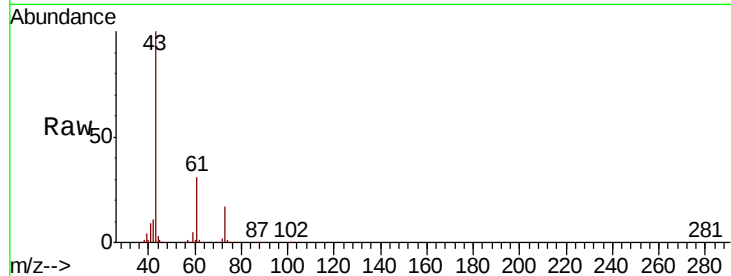
Tgt Ion: 88 Resp: 180

Ion Ratio Lower Upper

88 100

43 1254117.2 26.2 39.4#

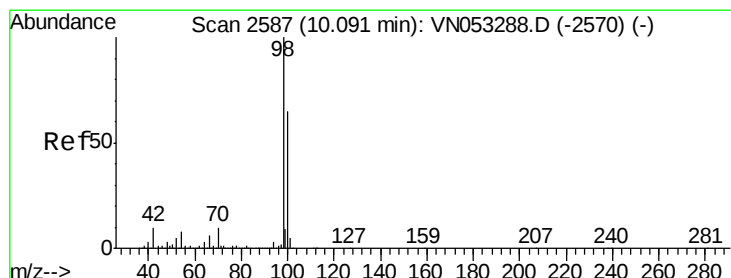
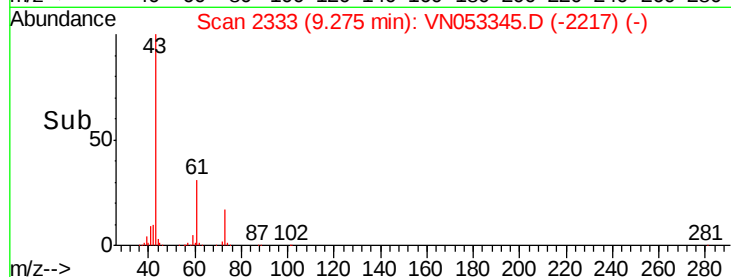
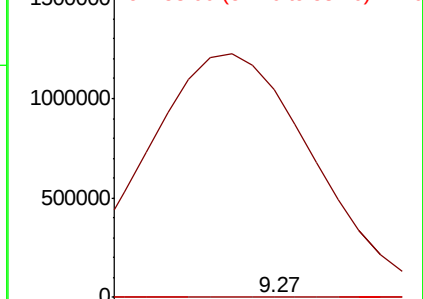
58 5506.1 55.5 83.3#



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: 1.933 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053345.D

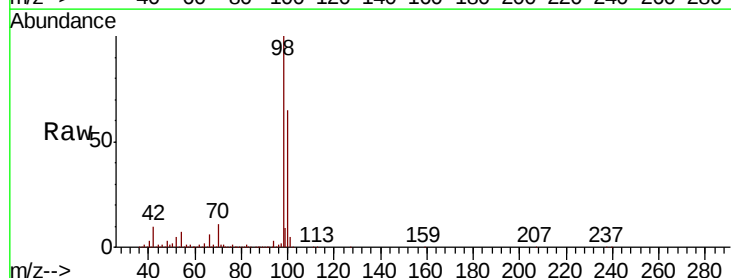
Acq: 10 Jan 2019 16:48

Tgt Ion: 98 Resp: 2022557

Ion Ratio Lower Upper

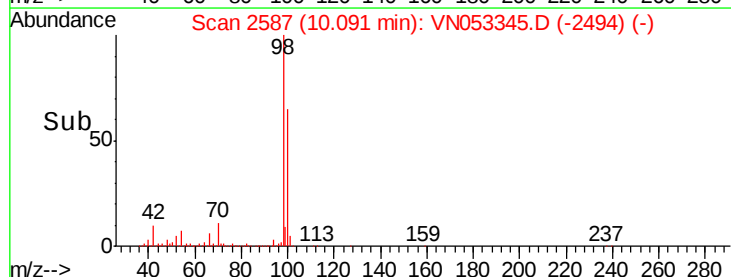
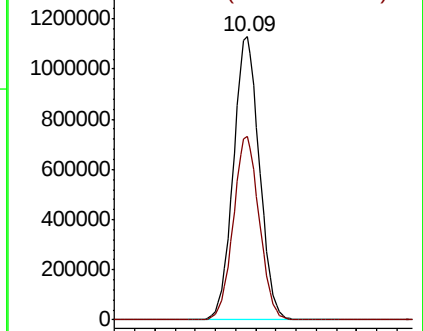
98 100

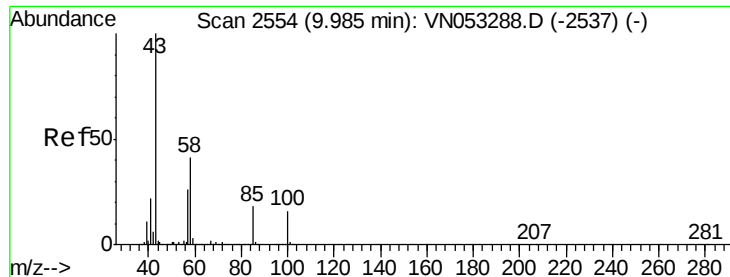
100 64.5 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

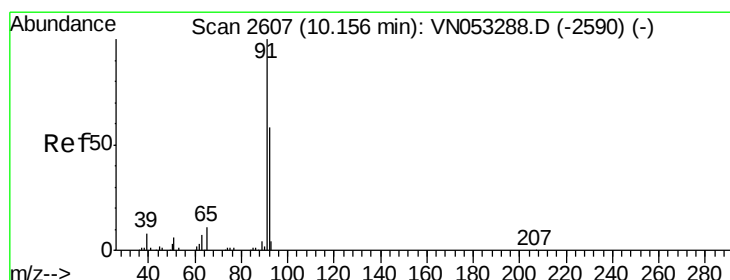
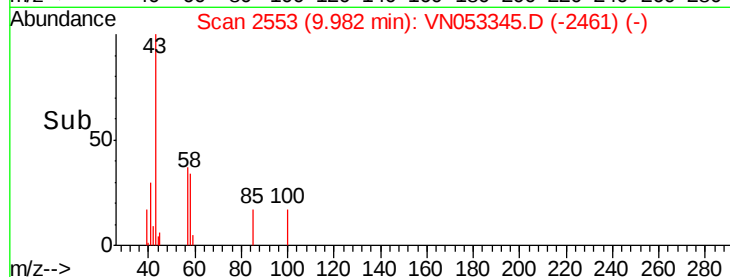
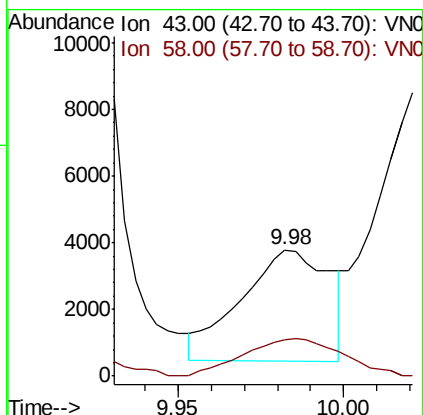
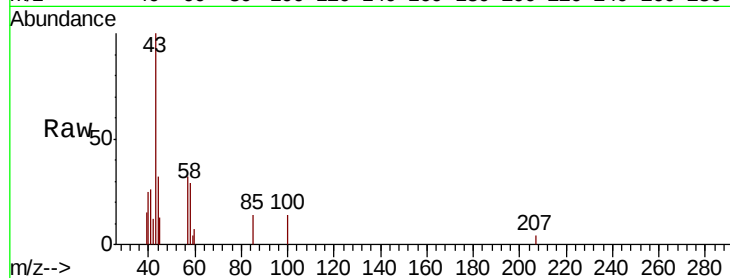




#51
 4-Methyl-2-Pentanone
 Concen: 0.640 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053345.D
 Acq: 10 Jan 2019 16:48

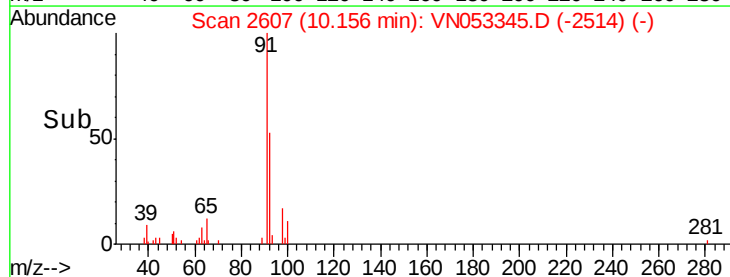
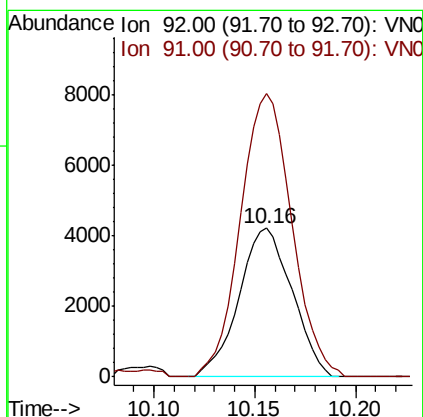
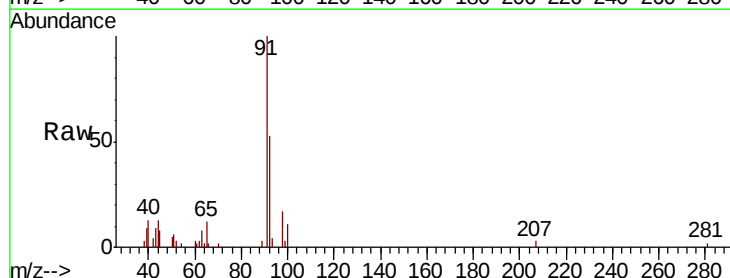
Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-DRUM-C

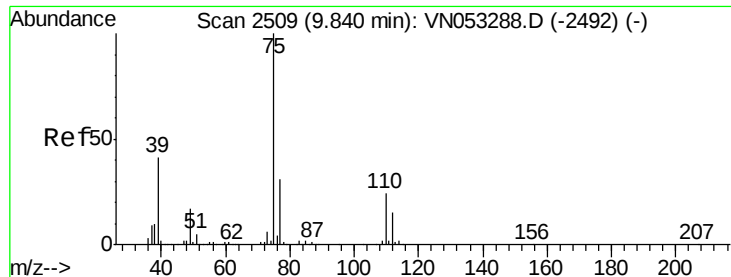
Tgt Ion: 43 Resp: 6186
 Ion Ratio Lower Upper
 43 100
 58 37.6 32.7 49.1



#52
 Toluene
 Concen: 0.276 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053345.D
 Acq: 10 Jan 2019 16:48

Tgt Ion: 92 Resp: 7776
 Ion Ratio Lower Upper
 92 100
 91 184.7 138.6 208.0

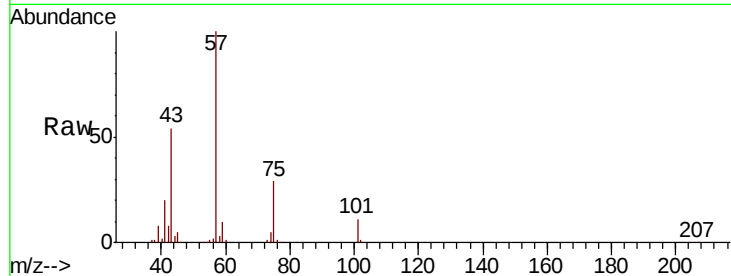




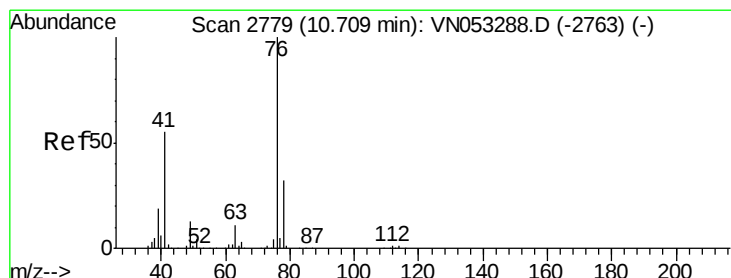
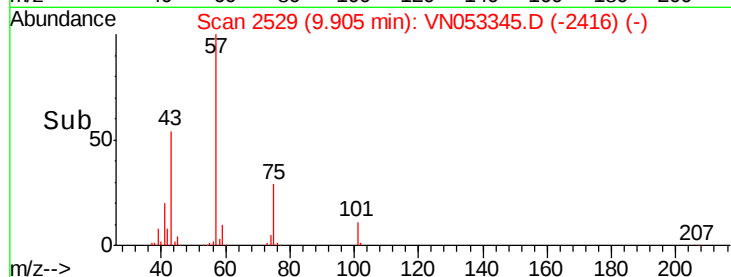
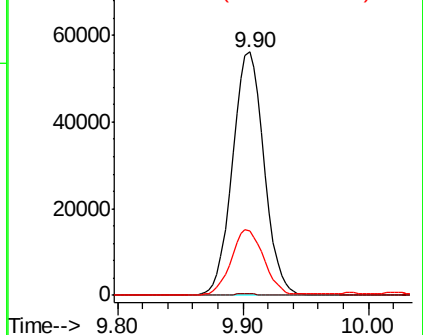
#54
 cis-1,3-Dichloropropene
 Concen: 5.668 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.06 min
 Lab File: VN053345.D
 Acq: 10 Jan 2019 16:48

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-DRUM-C

Tgt Ion: 75 Resp: 97904
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.1 37.7#
 39 26.5 33.1 49.7#

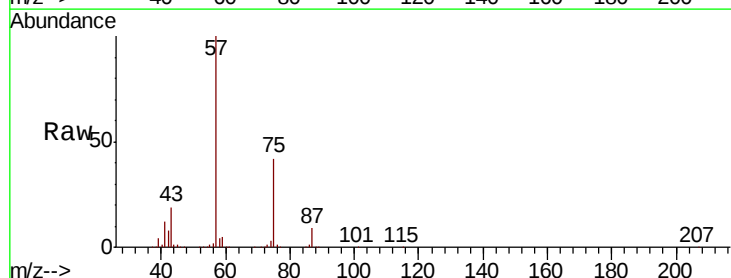


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0

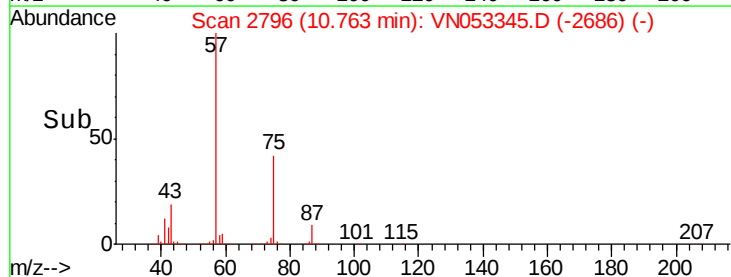
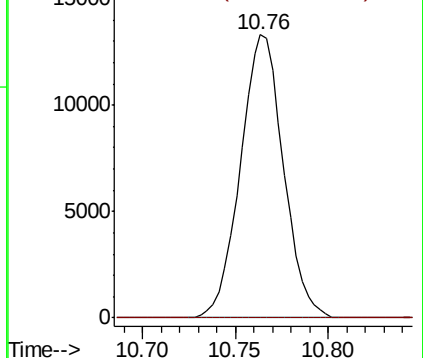


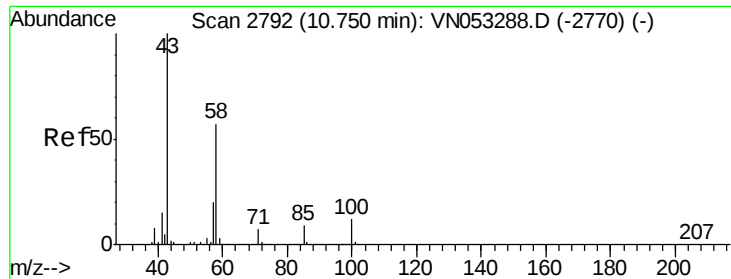
#57
 1,3-Dichloropropane
 Concen: 1.236 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN053345.D
 Acq: 10 Jan 2019 16:48

Tgt Ion: 76 Resp: 21375
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



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

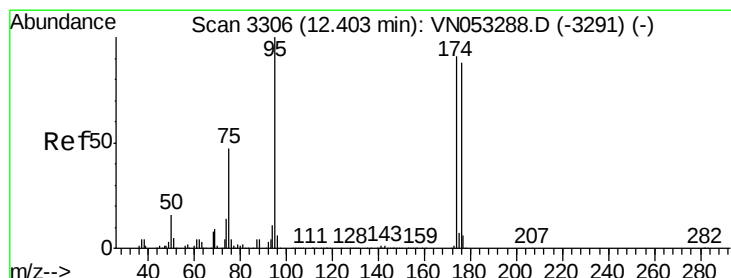
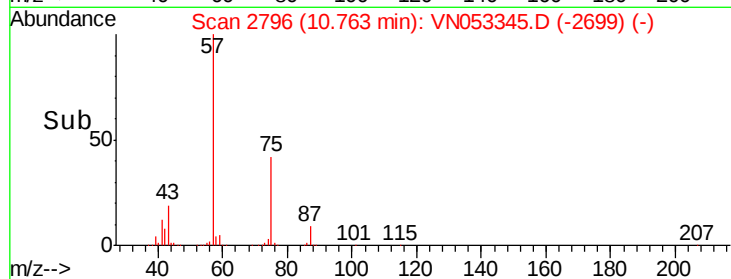
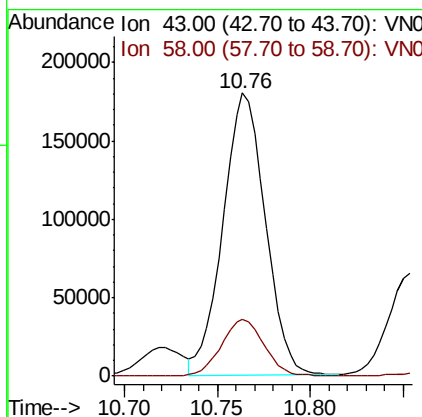
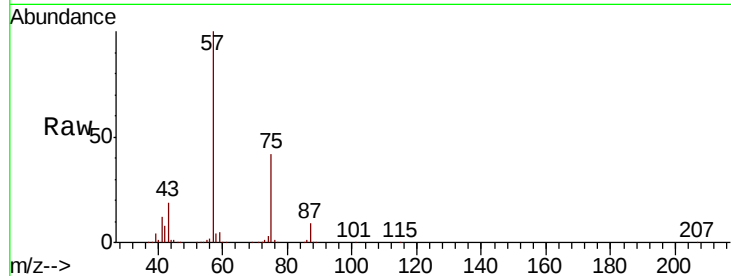




#59
2-Hexanone
Concen: 43.025 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053345.D
Acq: 10 Jan 2019 16:48

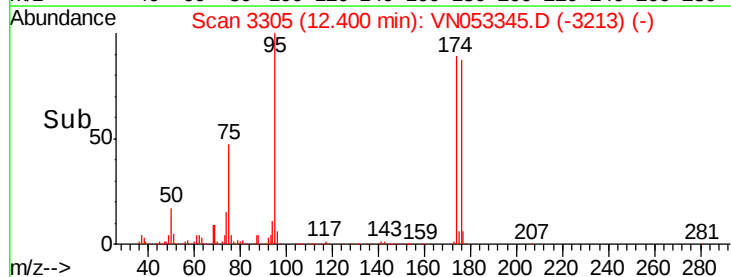
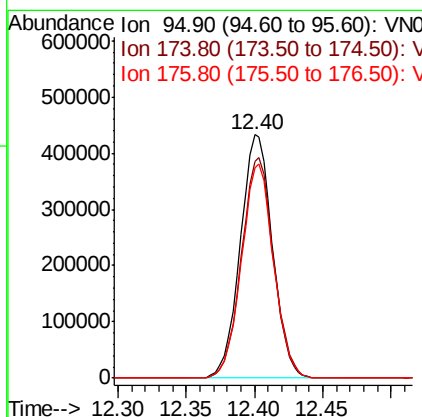
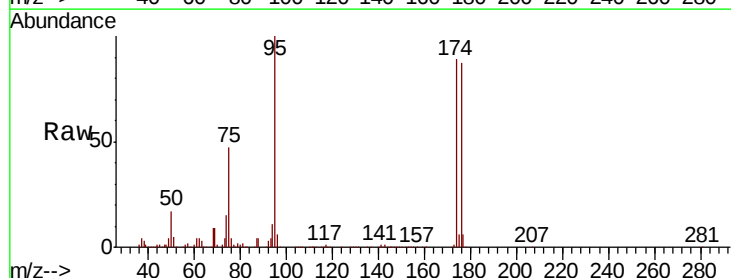
Instrument :
MSVOA_N
ClientSampleId :
SOIL-DRUM-C

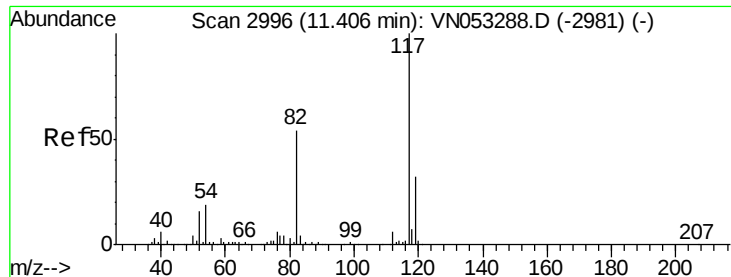
Tgt Ion: 43 Resp: 285138
Ion Ratio Lower Upper
43 100
58 20.5 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053345.D
Acq: 10 Jan 2019 16:48

Tgt Ion: 95 Resp: 707386
Ion Ratio Lower Upper
95 100
174 90.7 0.0 180.4
176 87.9 0.0 175.6

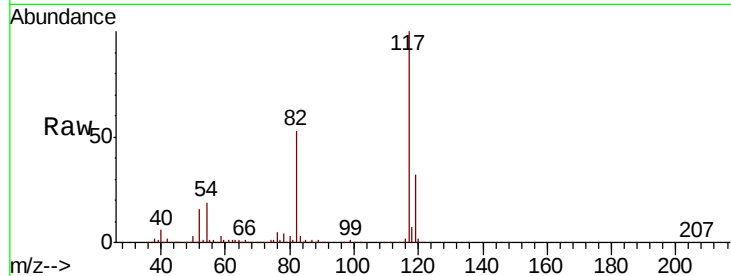




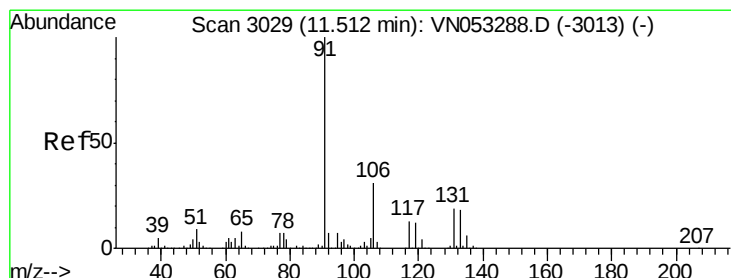
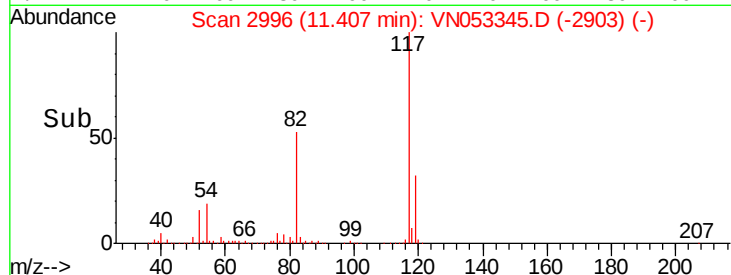
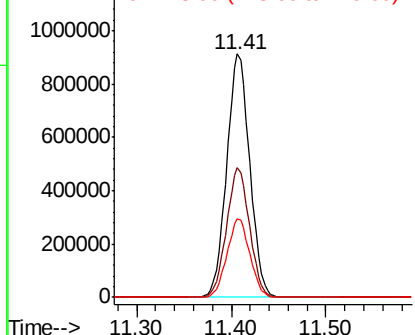
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053345.D
Acq: 10 Jan 2019 16:48

Instrument :
MSVOA_N
ClientSampleId :
SOIL-DRUM-C

Tgt Ion:117 Resp: 1538813
Ion Ratio Lower Upper
117 100
82 53.1 42.9 64.3
119 32.1 25.6 38.4

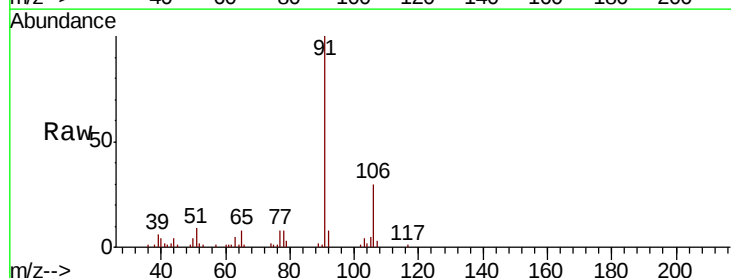


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VNO
Ion 118.90 (118.60 to 119.60): V

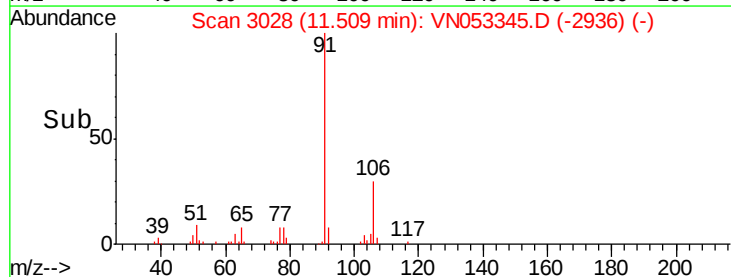
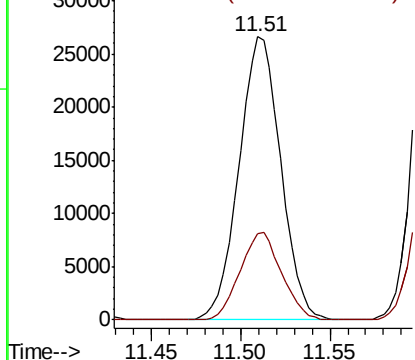


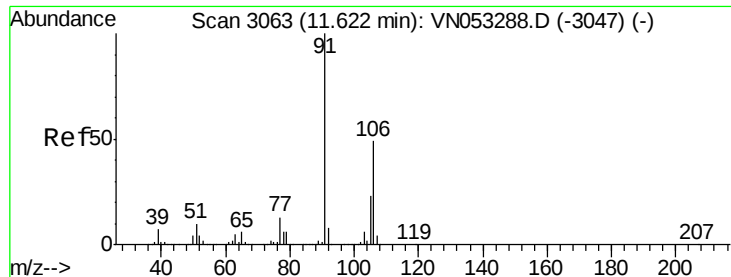
#67
Ethyl Benzene
Concen: 0.767 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053345.D
Acq: 10 Jan 2019 16:48

Tgt Ion: 91 Resp: 43550
Ion Ratio Lower Upper
91 100
106 30.5 25.0 37.4



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

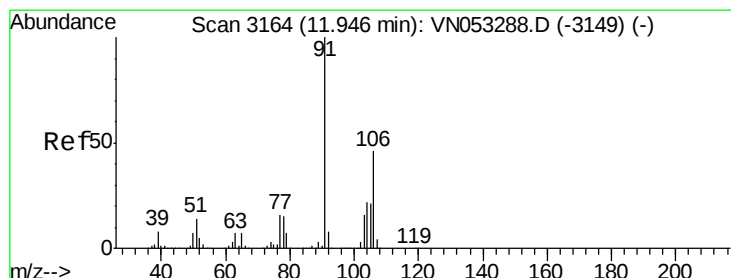
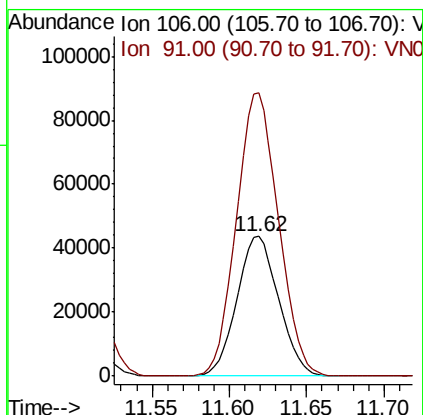
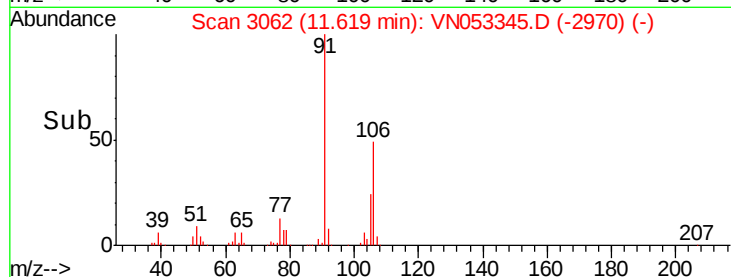
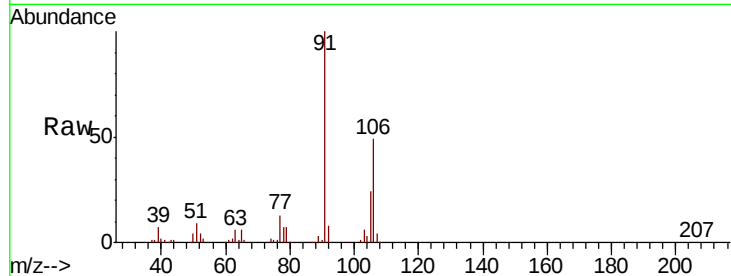




#68
m/p-Xylenes
Concen: 3.830 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053345.D
Acq: 10 Jan 2019 16:48

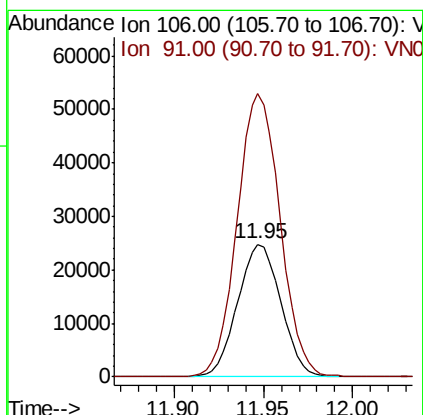
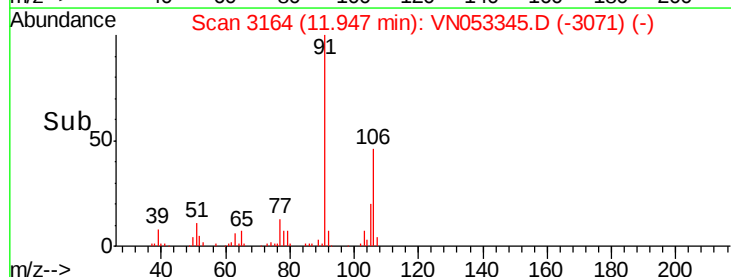
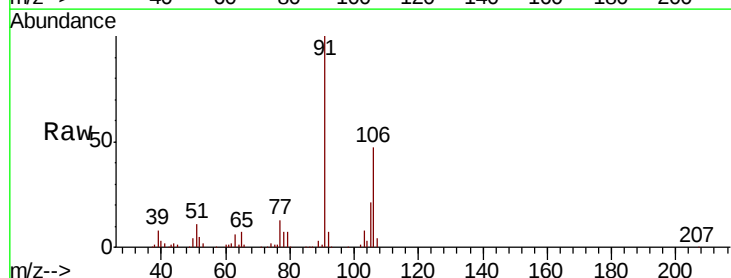
Instrument :
MSVOA_N
ClientSampleId :
SOIL-DRUM-C

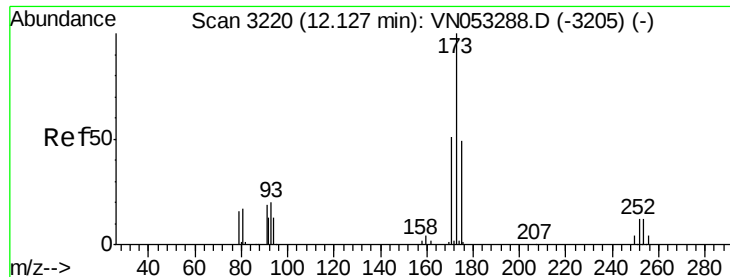
Tgt Ion:106 Resp: 81798
Ion Ratio Lower Upper
106 100
91 204.6 161.4 242.2



#69
o-Xylene
Concen: 1.996 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053345.D
Acq: 10 Jan 2019 16:48

Tgt Ion:106 Resp: 41741
Ion Ratio Lower Upper
106 100
91 212.6 106.8 320.4

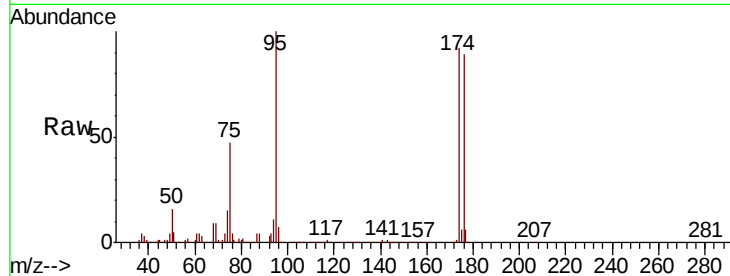




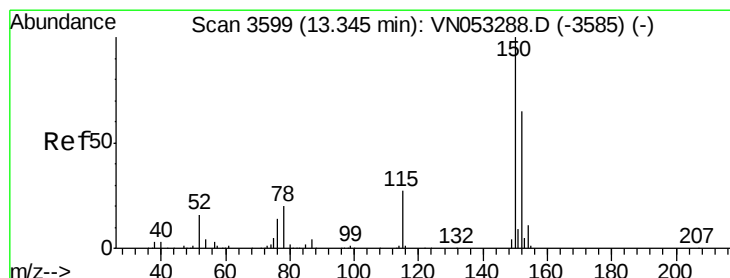
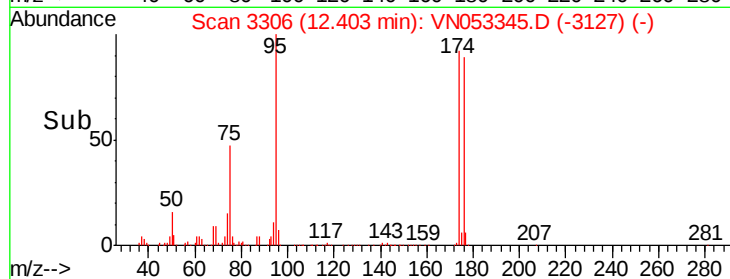
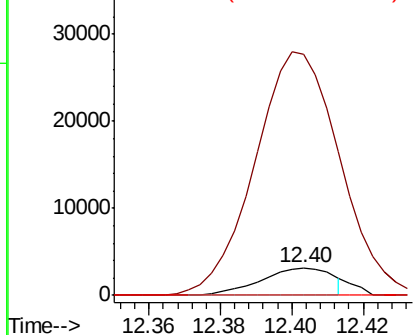
#71
Bromoform
Concen: 0.532 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053345.D
Acq: 10 Jan 2019 16:48

Instrument :
MSVOA_N
ClientSampleId :
SOIL-DRUM-C

Tgt Ion:173 Resp: 4394
Ion Ratio Lower Upper
173 100
175 927.2 24.3 72.8#
254 0.0 0.2 0.2#

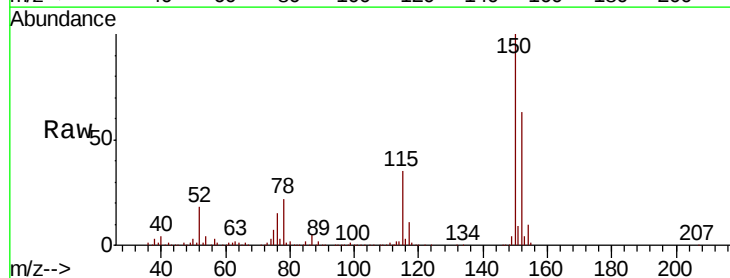


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

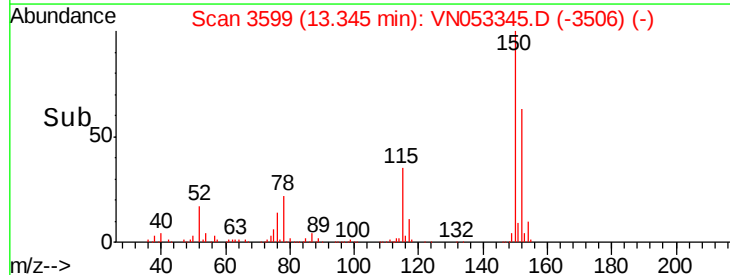
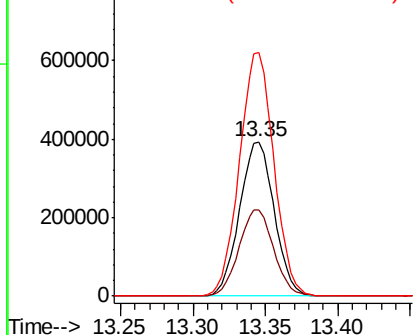


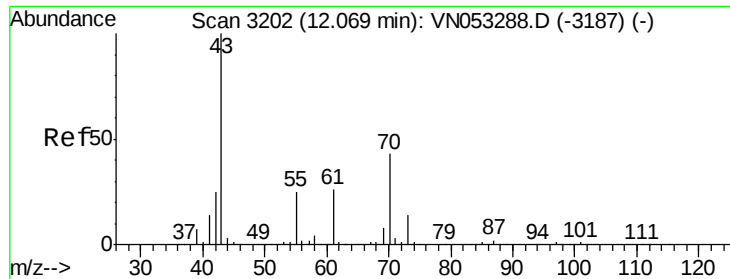
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053345.D
Acq: 10 Jan 2019 16:48

Tgt Ion:152 Resp: 654214
Ion Ratio Lower Upper
152 100
115 56.2 28.0 84.0
150 156.7 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





#74

N-ethyl acetate

Concen: 2.309 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053345.D

Acq: 10 Jan 2019 16:48

Instrument :

MSVOA_N

ClientSampleId :

SOIL-DRUM-C

Tgt Ion: 43 Resp: 33589

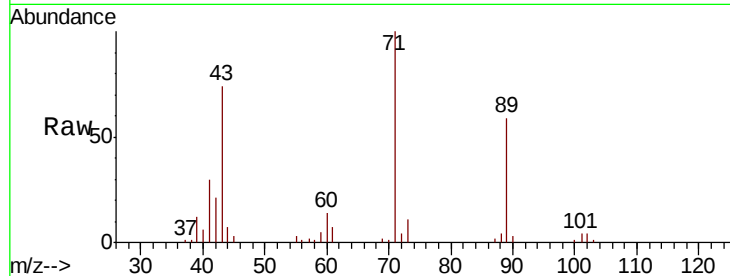
Ion Ratio Lower Upper

43 100

70 1.7 35.0 52.6#

55 4.7 20.0 30.0#

61 10.7 20.3 30.5#

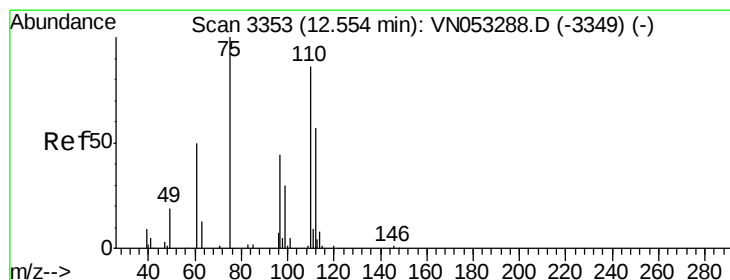
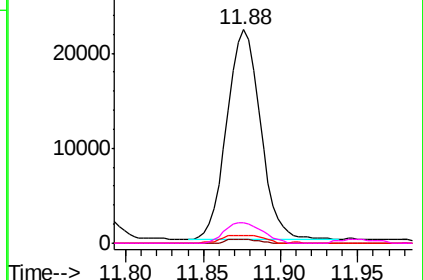
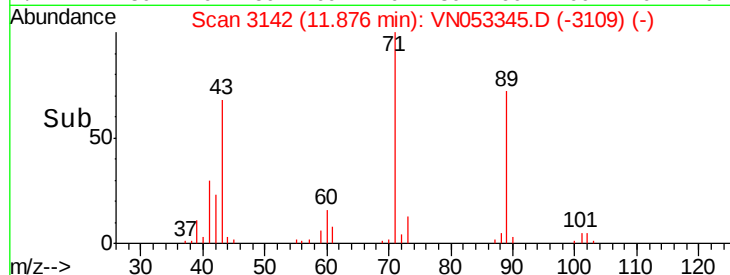


Abundance Ion 43.00 (42.70 to 43.70): VN0

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



#76

1,2,3-Trichloropropane

Concen: 34.910 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053345.D

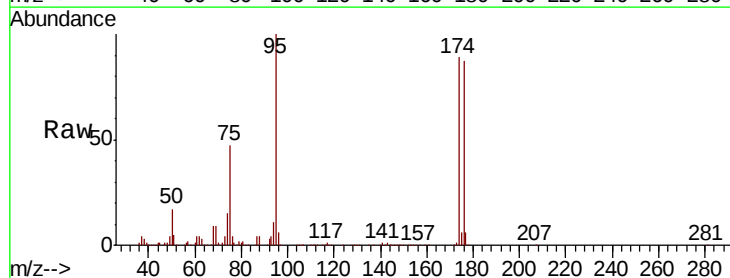
Acq: 10 Jan 2019 16:48

Tgt Ion: 75 Resp: 333115

Ion Ratio Lower Upper

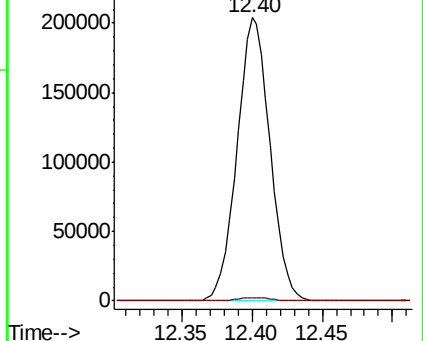
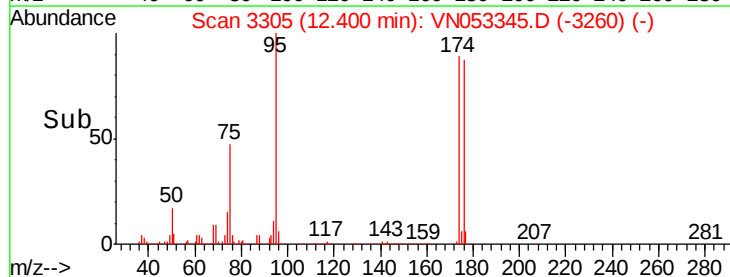
75 100

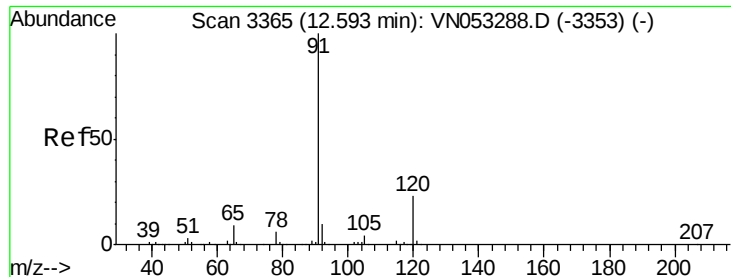
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 0.244 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053345.D

Acq: 10 Jan 2019 16:48

Instrument :

MSVOA_N

ClientSampleId :

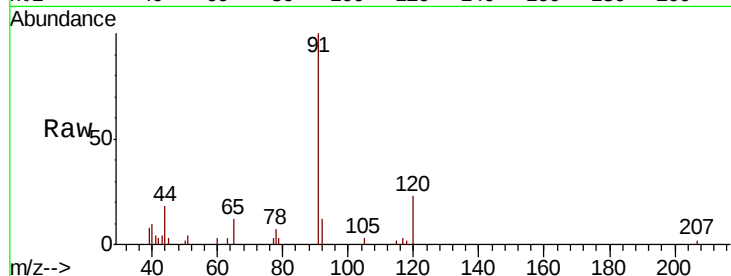
SOIL-DRUM-C

Tgt Ion: 91 Resp: 13444

Ion Ratio Lower Upper

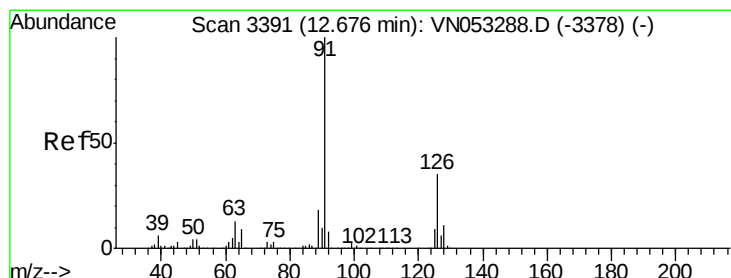
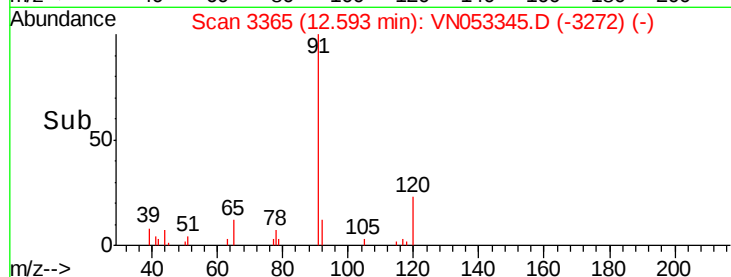
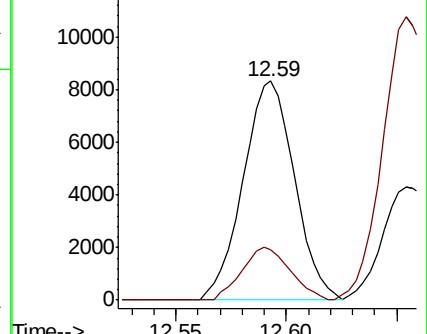
91 100

120 22.8 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.250 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN053345.D

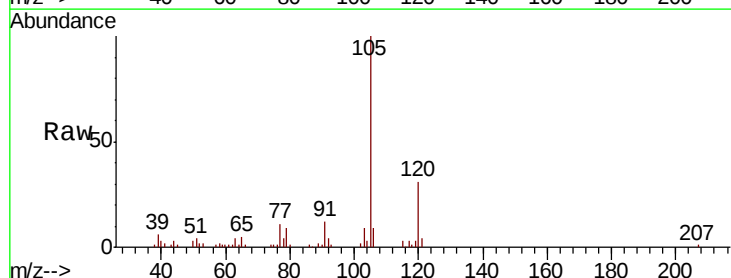
Acq: 10 Jan 2019 16:48

Tgt Ion: 91 Resp: 8323

Ion Ratio Lower Upper

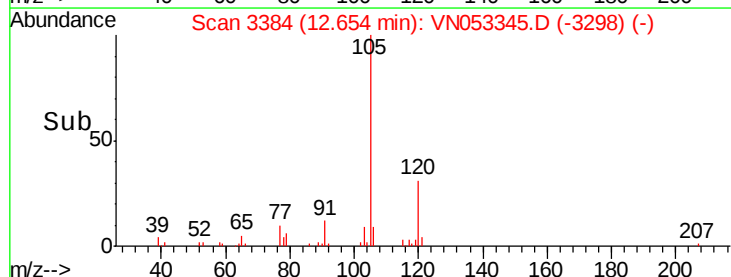
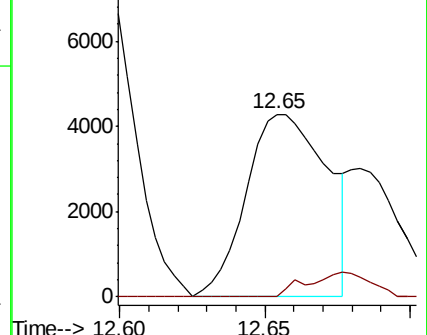
91 100

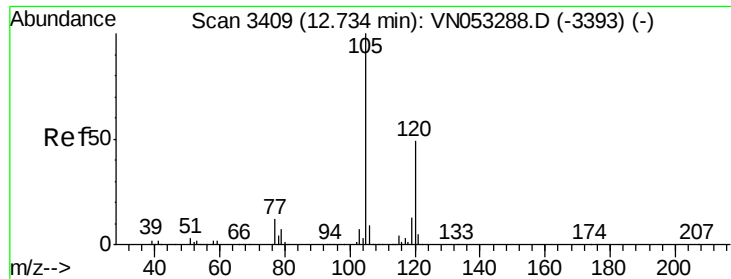
126 0.0 17.5 52.5#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

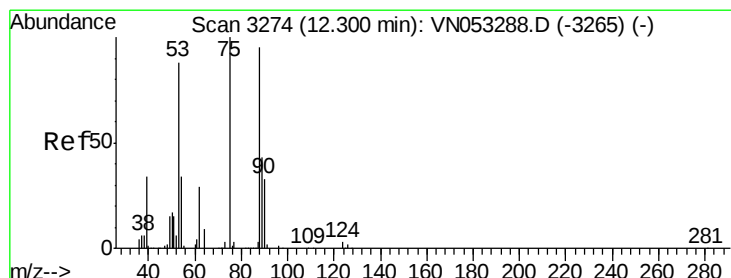
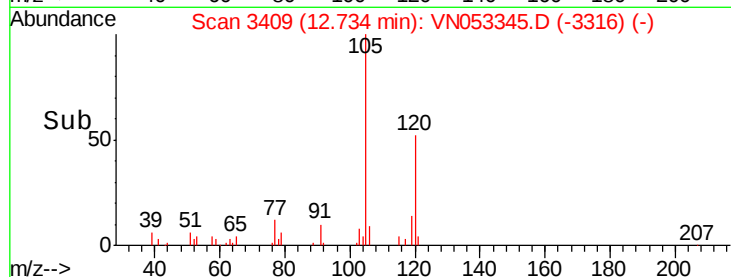
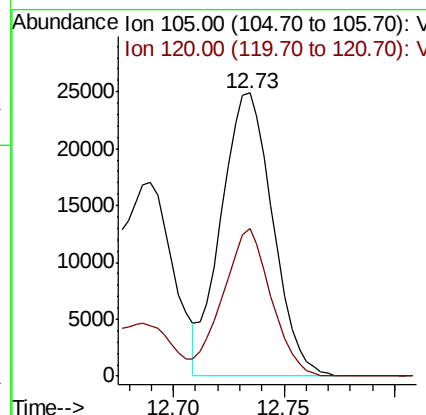
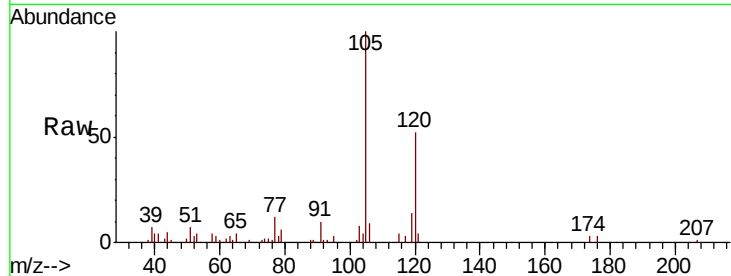




#80
 1,3,5-Trimethylbenzene
 Concen: 1.029 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053345.D
 Acq: 10 Jan 2019 16:48

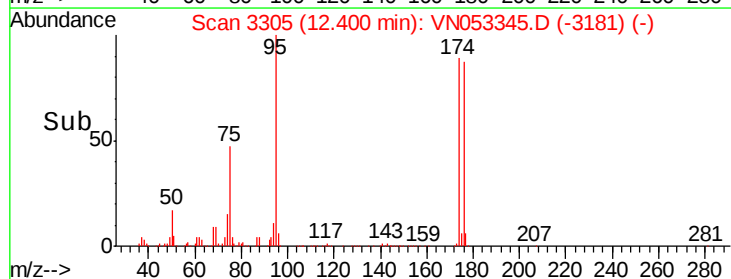
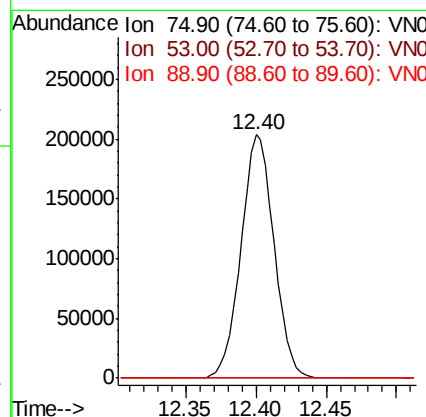
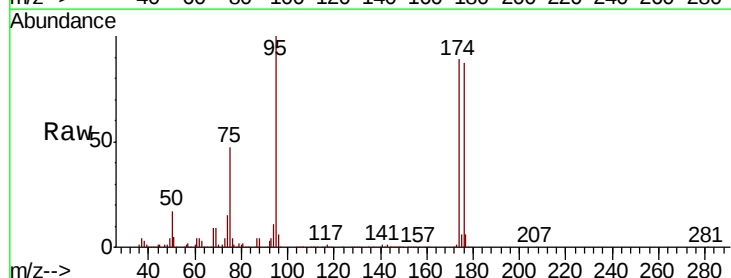
Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-DRUM-C

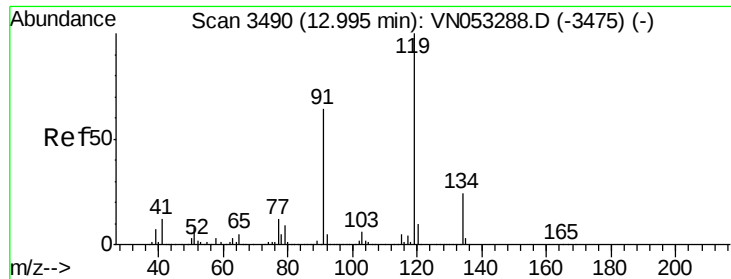
Tgt Ion:105 Resp: 40362
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.7 74.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.712 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN053345.D
 Acq: 10 Jan 2019 16:48

Tgt Ion: 75 Resp: 333115
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.5 105.7#
 89 0.0 35.4 53.0#

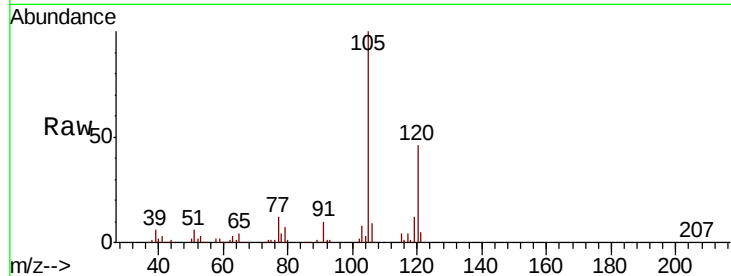




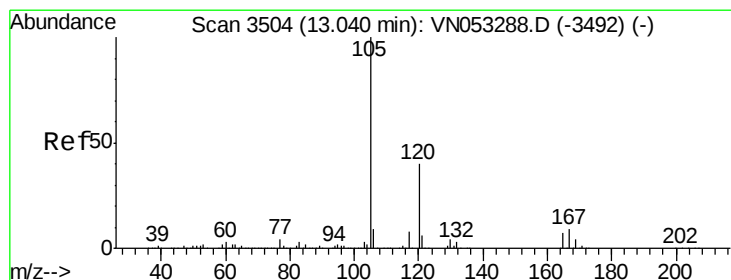
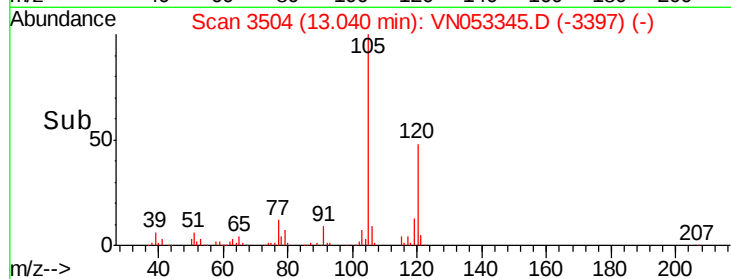
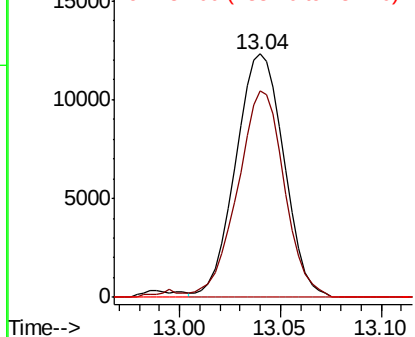
#83
 tert-Butylbenzene
 Concen: 0.600 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.05 min
 Lab File: VN053345.D
 Acq: 10 Jan 2019 16:48

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-DRUM-C

Tgt Ion:119 Resp: 20654
 Ion Ratio Lower Upper
 119 100
 91 82.0 31.6 95.0
 134 0.0 12.9 38.6#

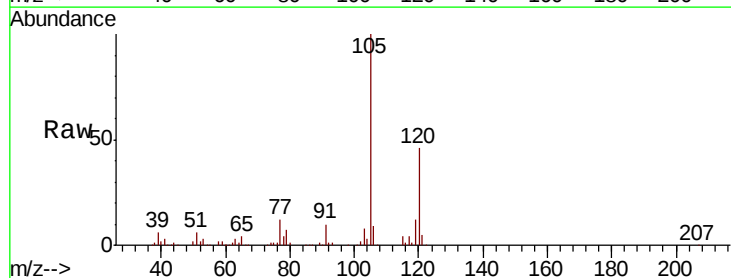


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

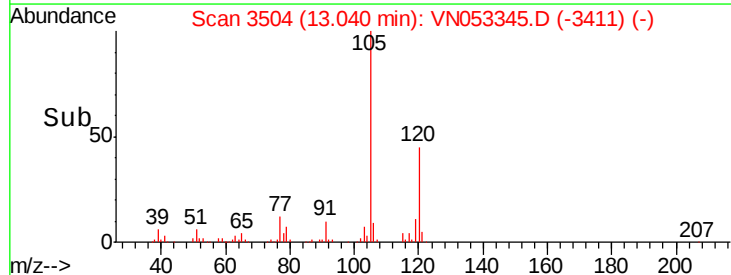
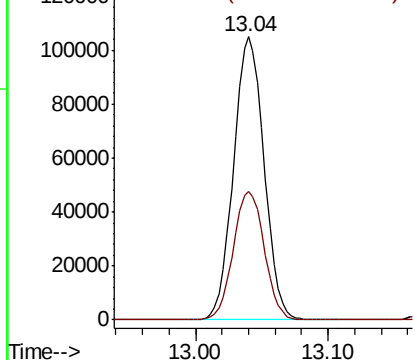


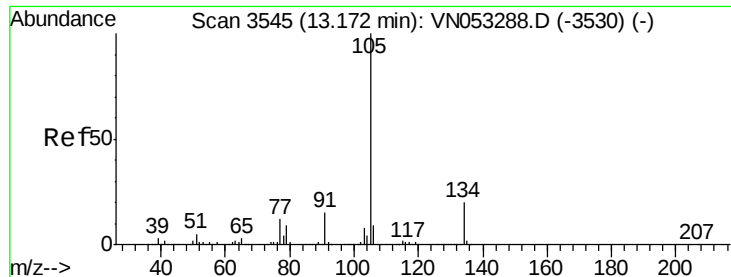
#84
 1,2,4-Trimethylbenzene
 Concen: 4.190 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053345.D
 Acq: 10 Jan 2019 16:48

Tgt Ion:105 Resp: 167484
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 3.689 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN053345.D

Acq: 10 Jan 2019 16:48

Instrument :

MSVOA_N

ClientSampleId :

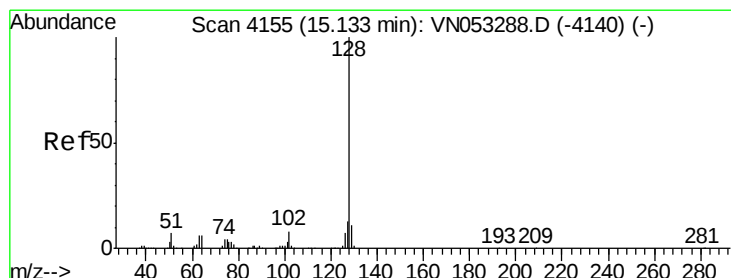
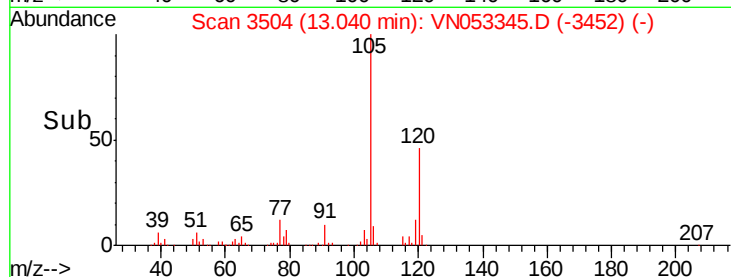
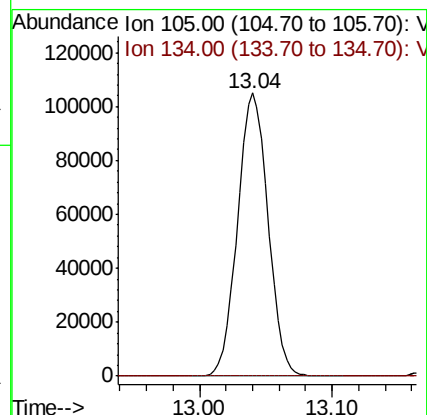
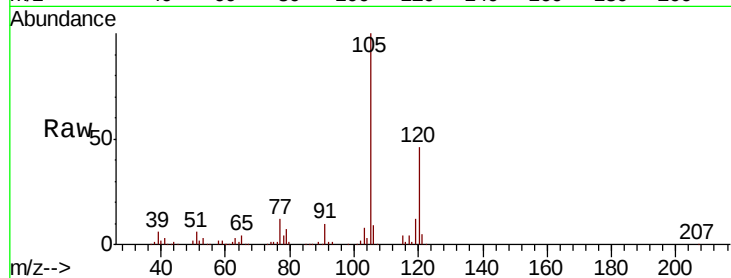
SOIL-DRUM-C

Tgt Ion:105 Resp: 167484

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#



#95

Naphthalene

Concen: 3.372 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053345.D

Acq: 10 Jan 2019 16:48

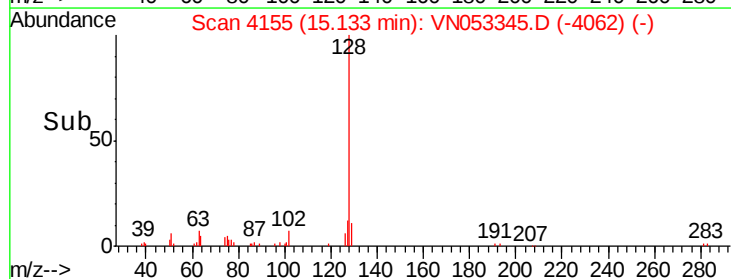
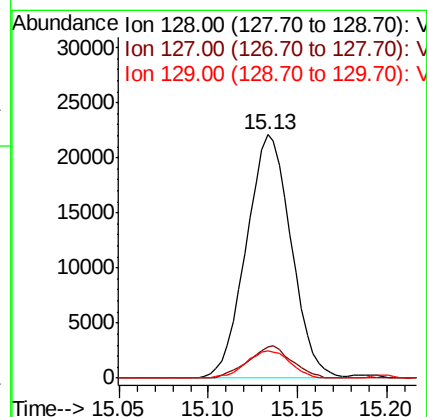
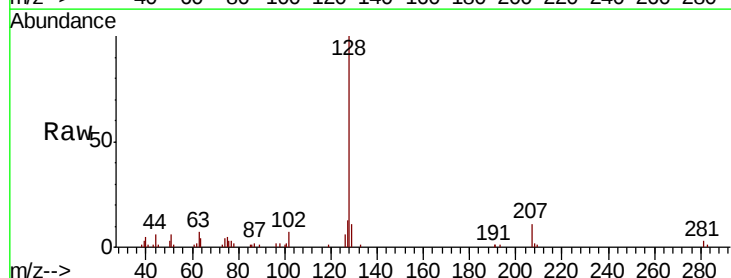
Tgt Ion:128 Resp: 38788

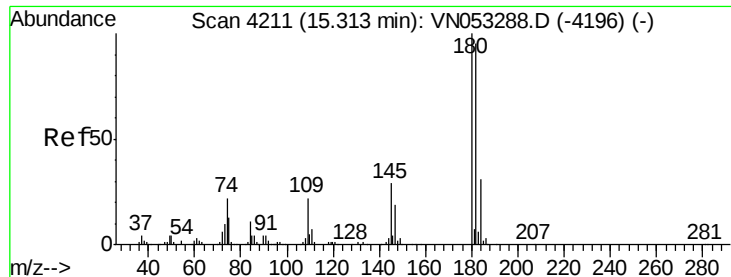
Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 11.0 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.202 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN053345.D
 Acq: 10 Jan 2019 16:48

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-DRUM-C

Tgt Ion	Ratio	Lower	Upper
180	100		
182	77.5	48.4	145.0
145	0.0	14.9	44.5#

