

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056750.D
 Acq On : 16 Jul 2019 6:46
 Operator : JC/SP
 Sample : K3761-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-DRUM

Quant Time: Jul 16 08:54:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	266272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	473119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	514590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	231165	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	154564	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
35) Dibromofluoromethane	7.59	113	142311	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
50) Toluene-d8	10.09	98	606846	53.36	ug/l	0.00
Spiked Amount			Recovery	=	106.72%	
62) 4-Bromofluorobenzene	12.40	95	235871	61.51	ug/l	0.00
Spiked Amount			Recovery	=	123.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.79	59	262	0.534	ug/l #	73
14) Allyl chloride	4.55	41	1579	0.365	ug/l #	29
16) Acetone	3.82	43	25402	18.715	ug/l	97
17) Carbon Disulfide	4.06	76	1476	0.223	ug/l #	75
18) Methyl Acetate	4.34	43	1244	Below Cal	#	52
20) Methylene Chloride	4.55	84	59435	20.038	ug/l	98
25) 2-Butanone	6.85	43	5721	2.883	ug/l	93
29) Tetrahydrofuran	7.22	42	1030	0.796	ug/l #	84
30) Chloroform	7.37	83	3899	0.787	ug/l	86
31) Cyclohexane	7.66	56	8002	1.699	ug/l #	14
36) 1,1-Dichloropropene	7.67	75	17367	3.967	ug/l #	48
37) Ethyl Acetate	6.85	43	5721	1.326	ug/l #	68
38) Carbon Tetrachloride	7.66	117	22607	5.506	ug/l #	15
39) Methylcyclohexane	9.08	83	27216	5.035	ug/l	97
41) Methacrylonitrile	7.23	41	874	0.461	ug/l #	100
43) Isopropyl Acetate	8.17	43	18966	2.796	ug/l #	89
47) Bromodichloromethane	9.40	83	843	0.201	ug/l #	95
48) Methyl methacrylate	9.18	41	8819	2.688	ug/l #	13
49) 1,4-Dioxane	9.26	88	70	1.040	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	4551	1.036	ug/l	89
52) Toluene	10.16	92	1940	0.244	ug/l	90
54) cis-1,3-Dichloropropene	9.90	75	46132	9.078	ug/l #	62
55) 1,1,2-Trichloroethane	10.53	97	4949	1.481	ug/l #	19
56) Ethyl methacrylate	10.43	69	2236	0.465	ug/l #	10
57) 1,3-Dichloropropane	10.76	76	10088	1.848	ug/l #	42
59) 2-Hexanone	10.76	43	139285	44.182	ug/l #	51
67) Ethyl Benzene	11.51	91	21890	1.184	ug/l	100
68) m/p-Xylenes	11.62	106	67363	9.748	ug/l	98
69) o-Xylene	11.95	106	14083	2.073	ug/l	98
71) Bromoform	12.40	173	1633	0.554	ug/l #	1
73) Isopropylbenzene	12.25	105	14062	0.754	ug/l	98
74) N-amyl acetate	11.88	43	12856	1.852	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	109425	21.643	ug/l #	100
78) n-propylbenzene	12.59	91	23438	1.133	ug/l	100

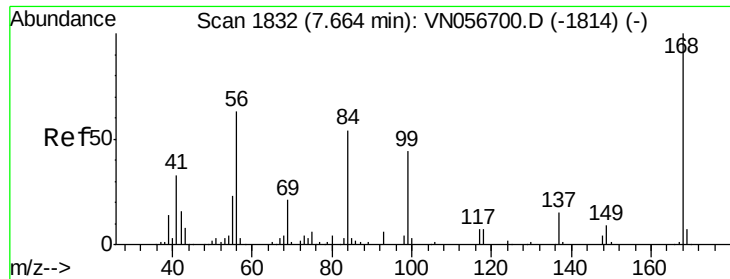
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
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 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.65	91	7797	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	84683	5.361	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	109425	66.840	ug/l #	13
82) 4-Chlorotoluene	12.73	91	9243	0.761	ug/l #	40
83) tert-Butylbenzene	12.99	119	2098	Below Cal		93
84) 1,2,4-Trimethylbenzene	13.04	105	220021	14.257	ug/l	100
85) sec-Butylbenzene	13.04	105	220021	12.534	ug/l #	56
86) p-Isopropyltoluene	13.29	119	4147	0.261	ug/l	90
89) n-Butylbenzene	13.58	91	6021	0.470	ug/l #	1
90) Hexachloroethane	13.89	117	2066	0.803	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	177	3.728	ug/l #	1
95) Naphthalene	15.13	128	46178	7.917	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	59	3.335	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056750.D

Acq: 16 Jul 2019 6:46

Instrument :

MSVOA_N

ClientSampleId :

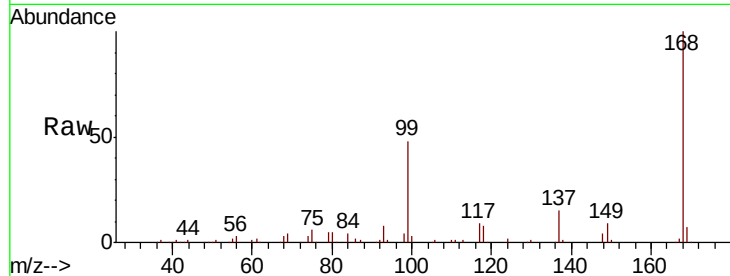
SOIL-DRUM

Tot Ion:168 Resp: 266272

Ion Ratio Lower Upper

168 100

99 48.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

120000

100000

80000

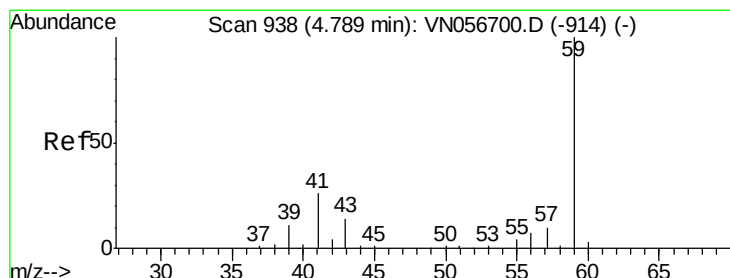
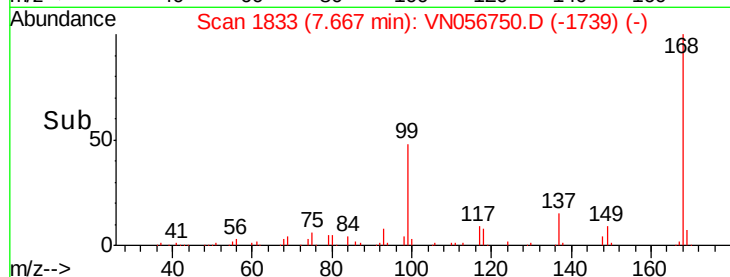
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.534 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.00 min

Lab File: VN056750.D

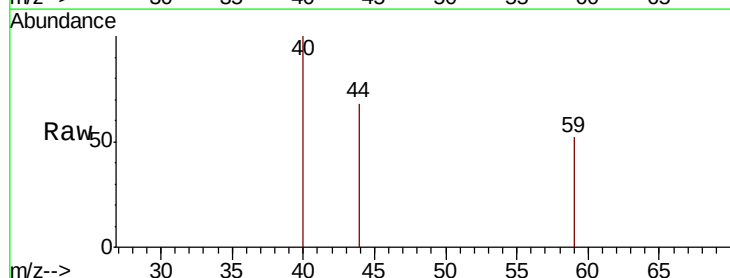
Acq: 16 Jul 2019 6:46

Tgt Ion: 59 Resp: 262

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.79

200

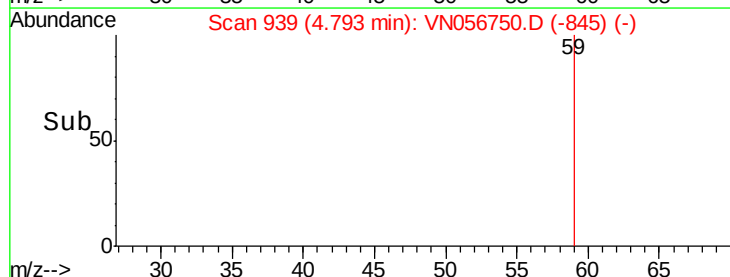
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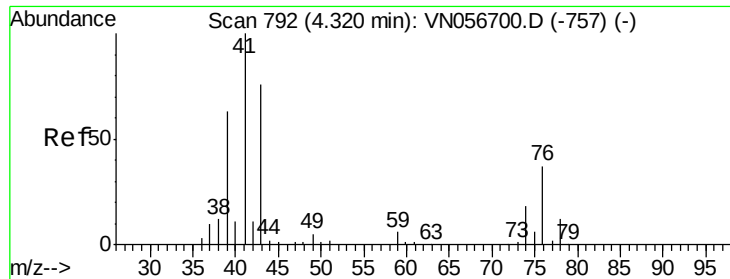
100

50

0

Time-->

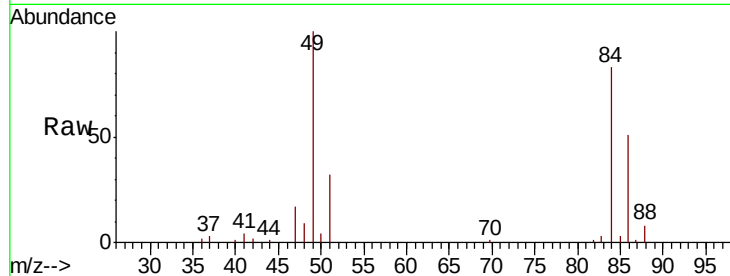




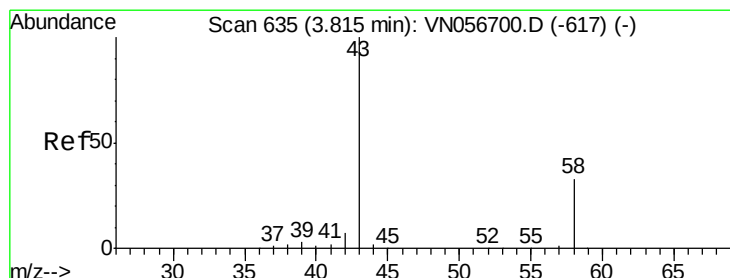
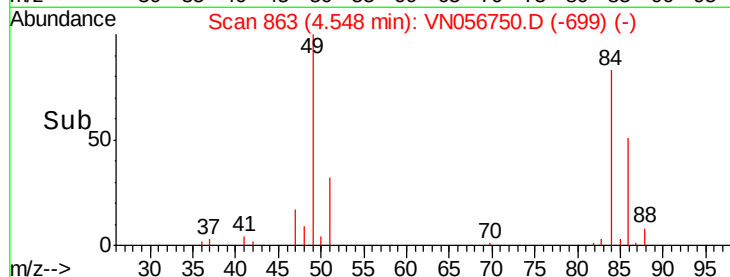
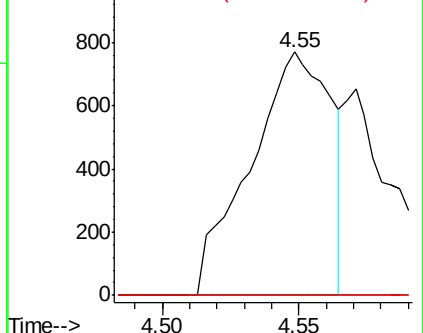
#14
Allvl chloride
Concen: 0.365 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.23 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Instrument :
MSVOA_N
ClientSampled :
SOIL-DRUM

Tot Ion: 41 Resp: 1579
Ion Ratio Lower Upper
41 100
39 0.0 46.9 70.3#
76 0.0 26.5 39.7#

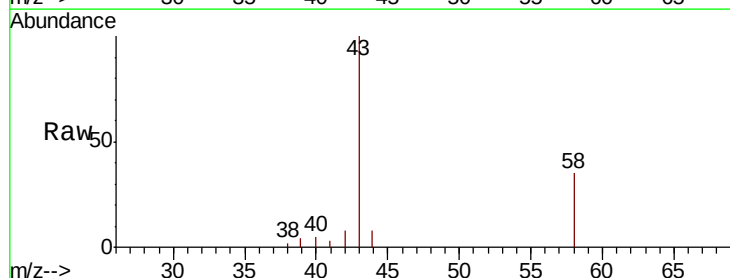


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 75.90 (75.60 to 76.60): VN0

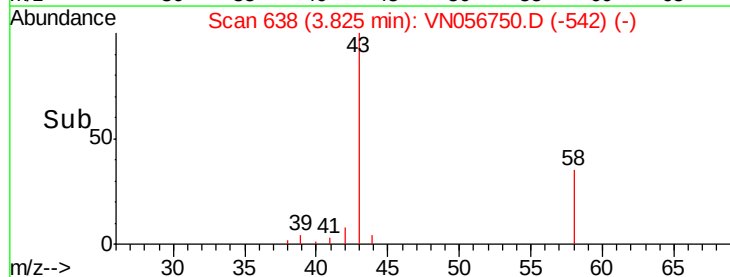
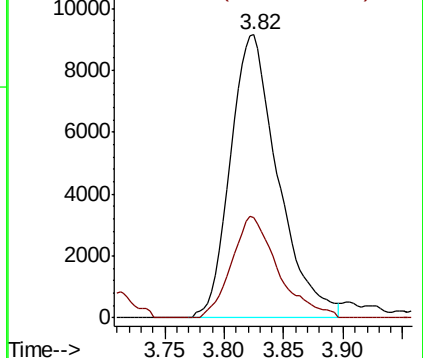


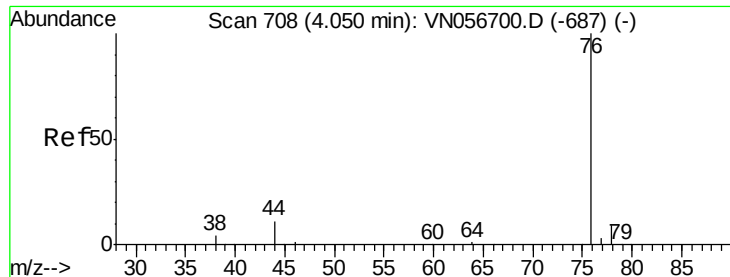
#16
Acetone
Concen: 18.715 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Tgt Ion: 43 Resp: 25402
Ion Ratio Lower Upper
43 100
58 35.3 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.223 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.01 min

Lab File: VN056750.D

Acq: 16 Jul 2019 6:46

Instrument :

MSVOA_N

ClientSampleId :

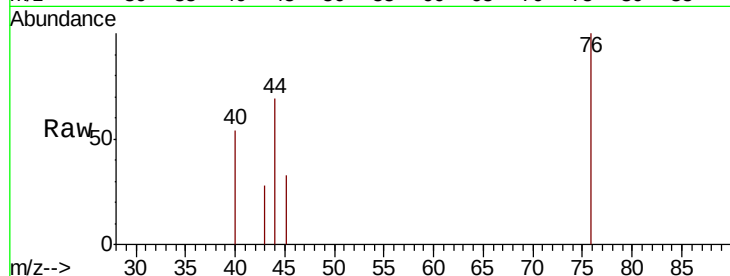
SOIL-DRUM

Tot Ion: 76 Resp: 1476

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

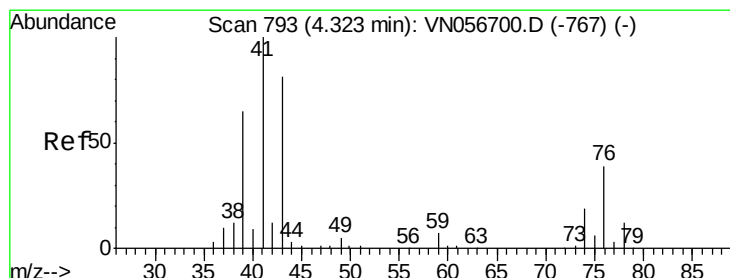
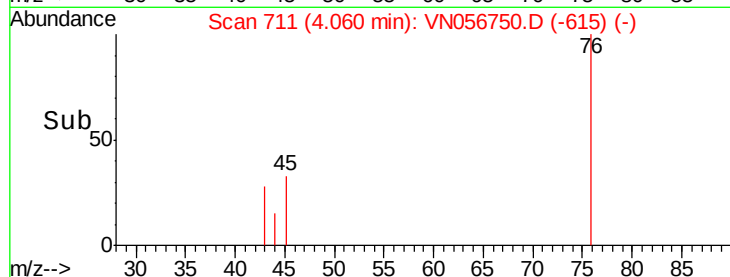
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 799

Delta R.T. 0.02 min

Lab File: VN056750.D

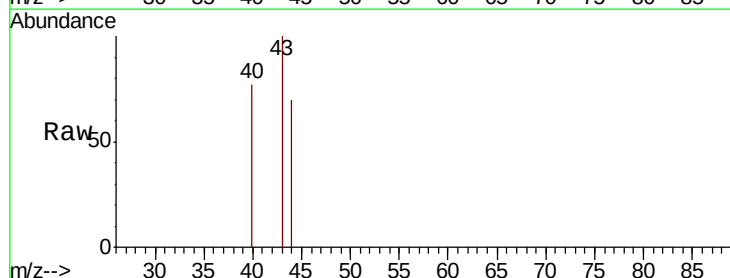
Acq: 16 Jul 2019 6:46

Tgt Ion: 43 Resp: 1244

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

600

500

400

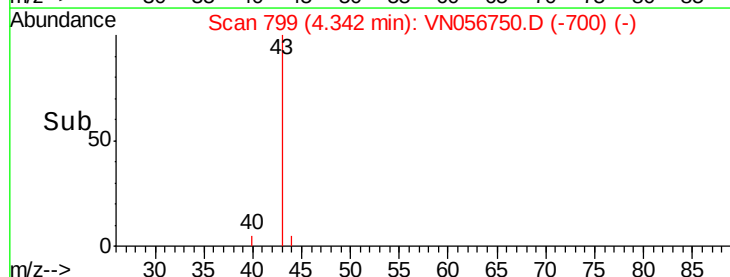
300

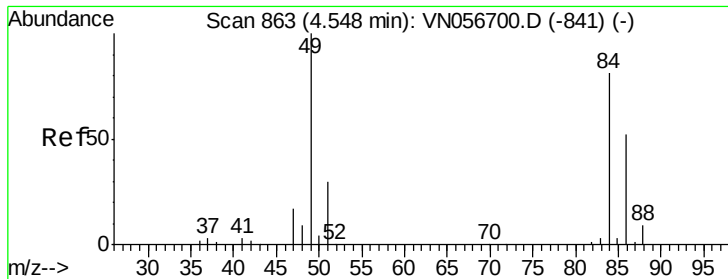
200

100

0

Time-->

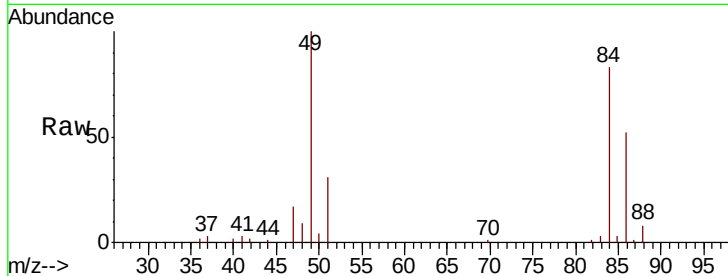




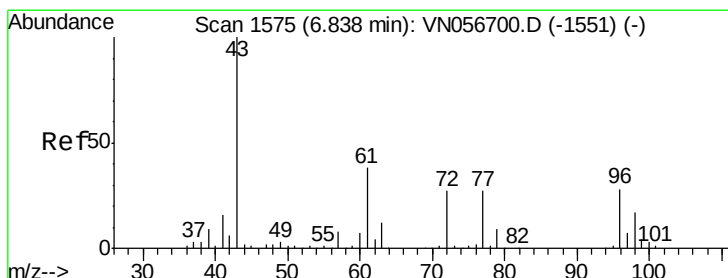
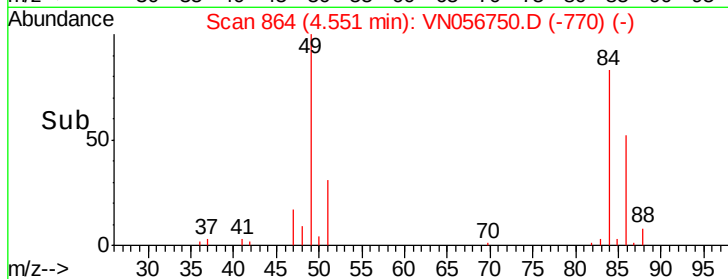
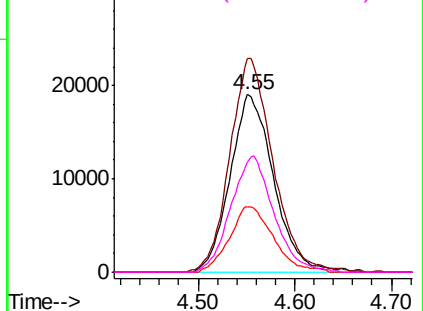
#20
Methvlene Chloride
Concen: 20.038 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Instrument :
MSVOA_N
ClientSampleId :
SOIL-DRUM

Tot Ion:	84	Resp:	59435
Ion	Ratio	Lower	Upper
84	100		
49	119.4	98.2	147.4
51	37.1	29.6	44.4
86	61.9	51.0	76.4

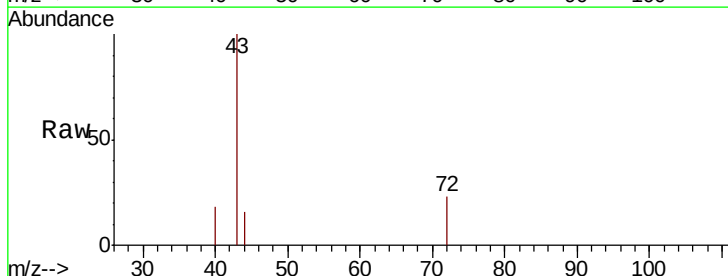


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

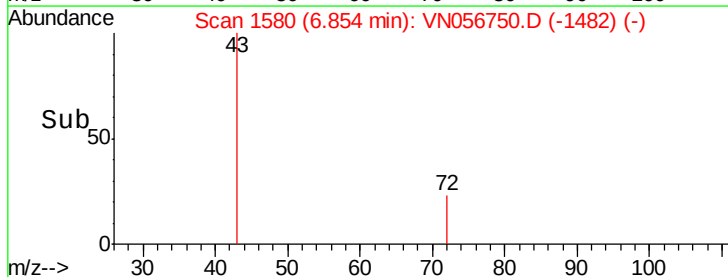
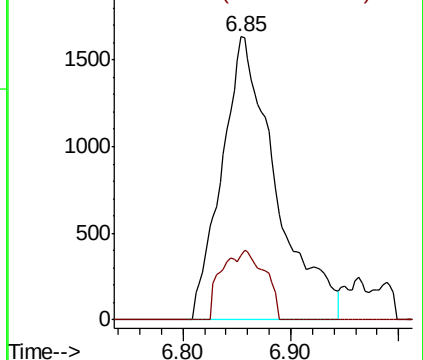


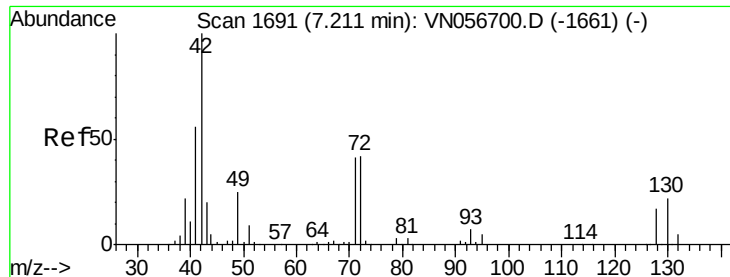
#25
2-Butanone
Concen: 2.883 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Tgt Ion:	43	Resp:	5721
Ion	Ratio	Lower	Upper
43	100		
72	22.8	21.2	31.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

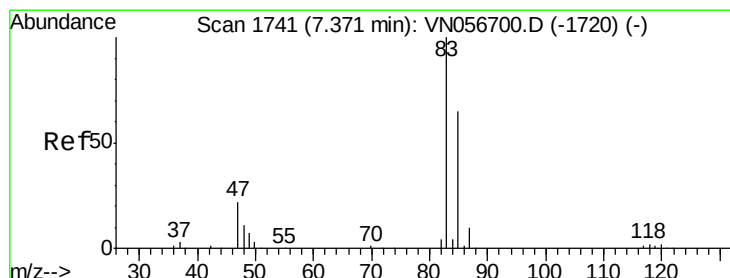
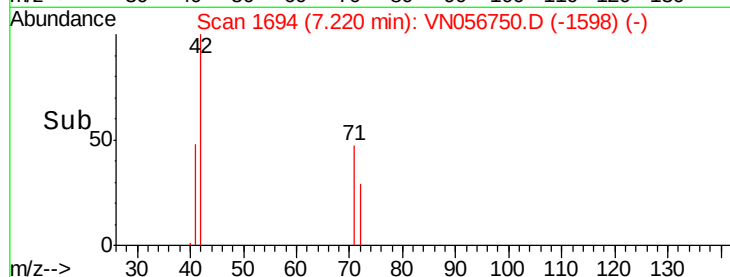
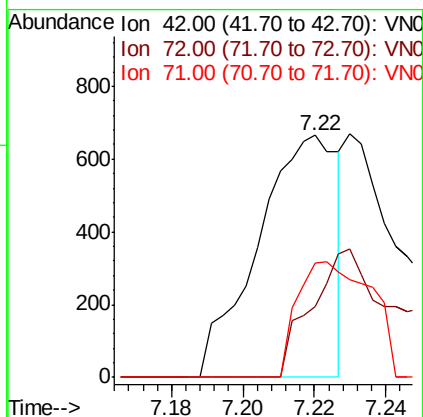
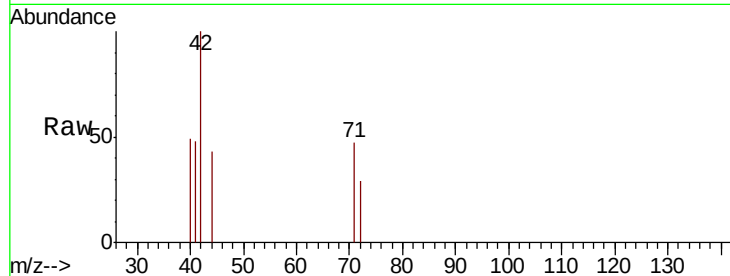




#29
Tetrahydrofuran
Concen: 0.796 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

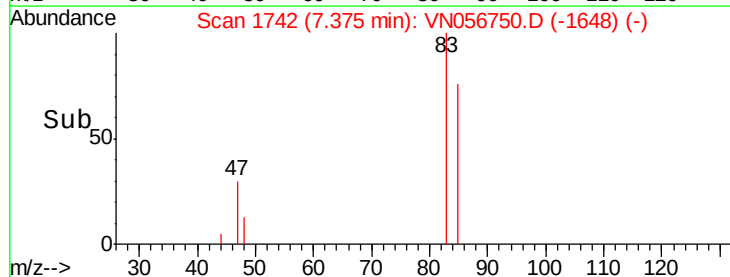
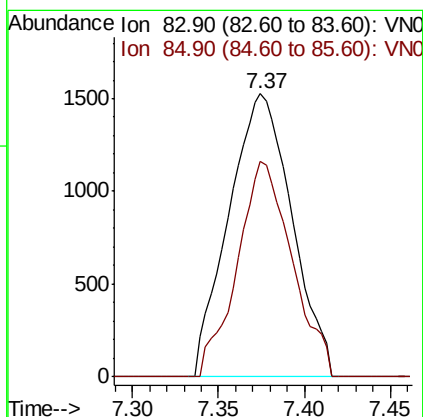
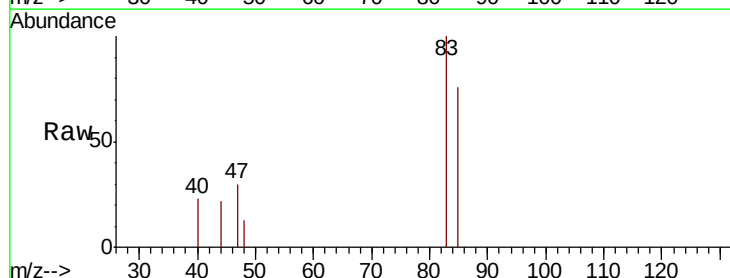
Instrument :
MSVOA_N
ClientSampled :
SOIL-DRUM

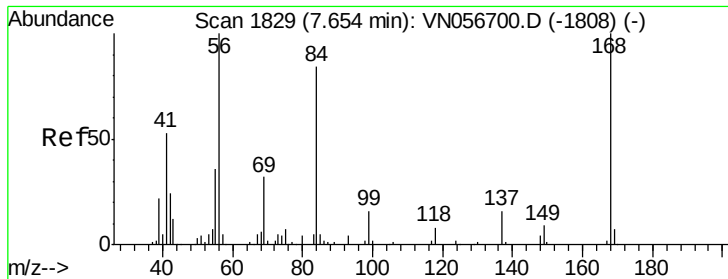
Tot Ion: 42 Resp: 1030
Ion Ratio Lower Upper
42 100
72 57.8 33.5 50.3#
71 44.0 31.8 47.8



#30
Chloroform
Concen: 0.787 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Tgt Ion: 83 Resp: 3899
Ion Ratio Lower Upper
83 100
85 76.0 51.9 77.9

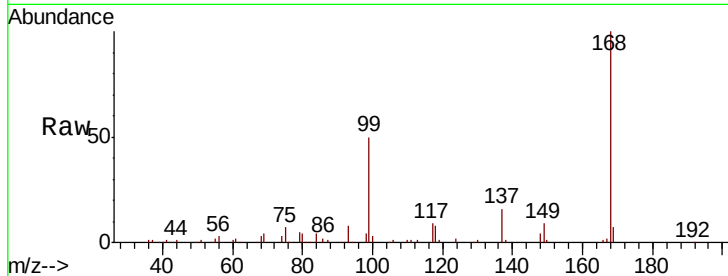




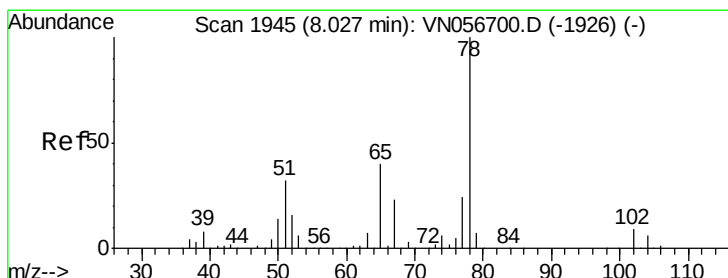
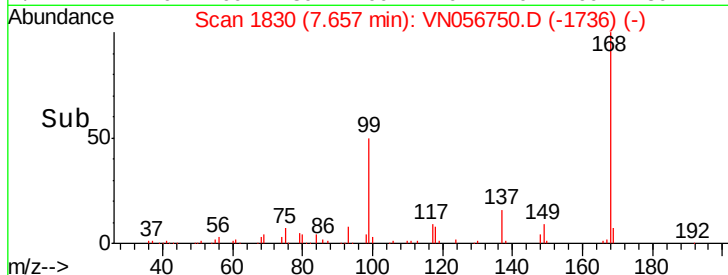
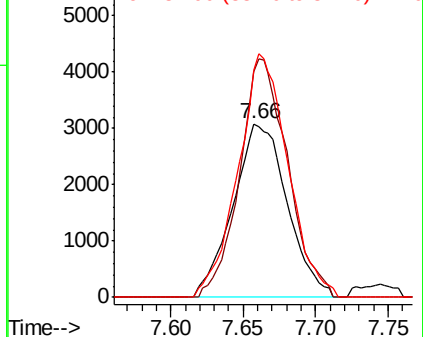
#31
Cyclohexane
Concen: 1.699 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Instrument :
MSVOA_N
ClientSampled :
SOIL-DRUM

Tot Ion: 56 Resp: 8002
Ion Ratio Lower Upper
56 100
69 129.8 25.8 38.8#
84 131.2 67.4 101.0#

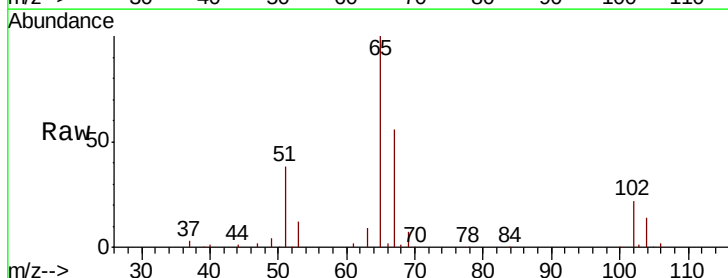


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

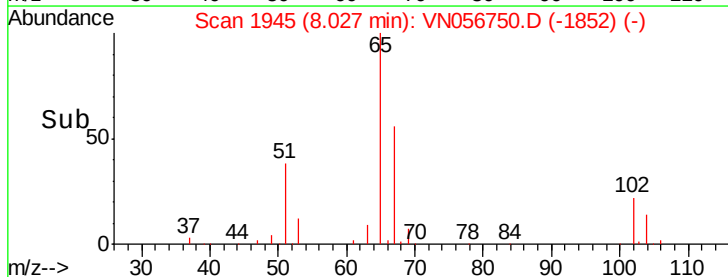
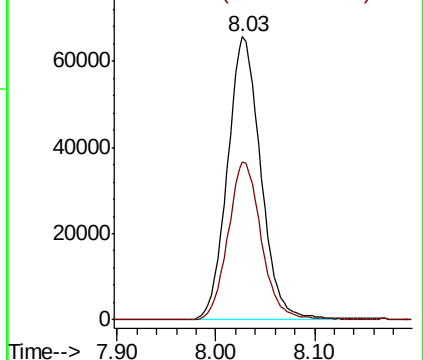


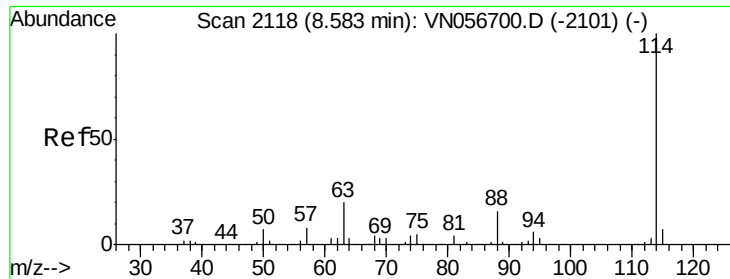
#33
1,2-Dichloroethane-d4
Concen: 52.478 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Tgt Ion: 65 Resp: 154564
Ion Ratio Lower Upper
65 100
67 55.9 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

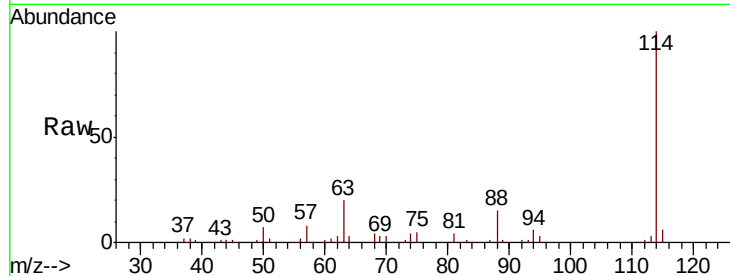




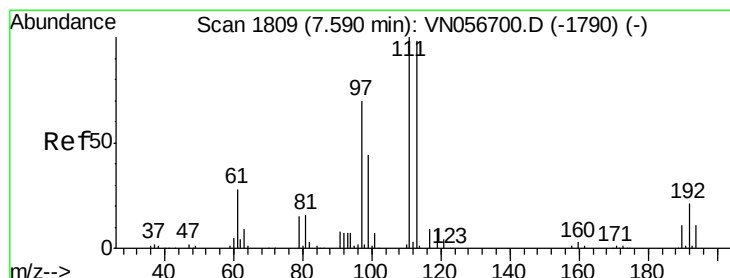
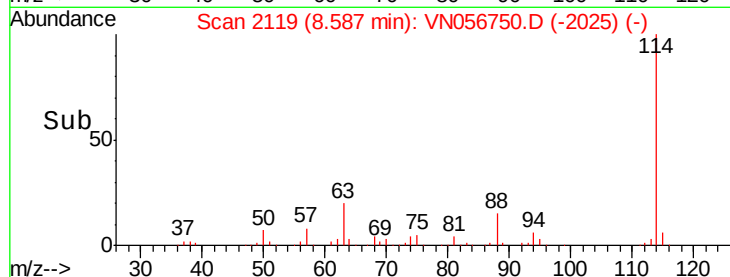
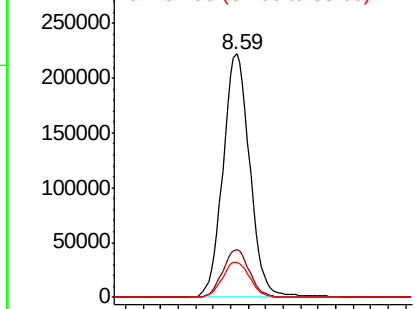
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056750.D
 Acq: 16 Jul 2019 6:46

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-DRUM

Tot Ion:114 Resp: 473119
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.4
 88 14.6 0.0 31.2

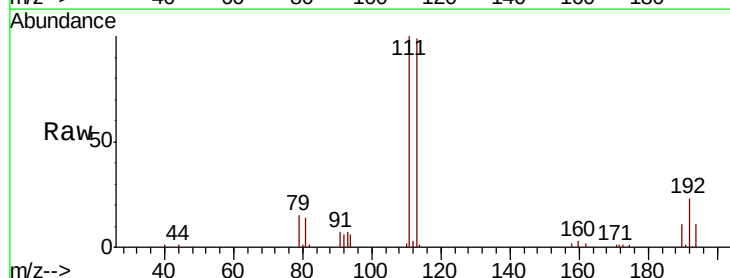


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

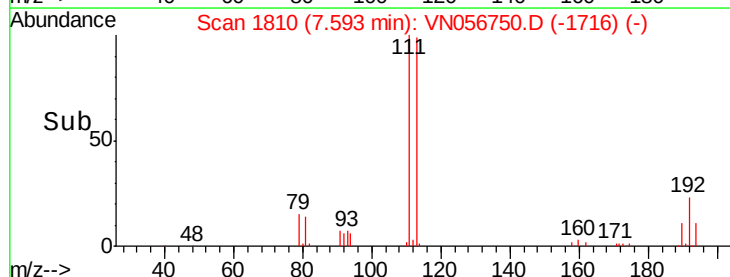
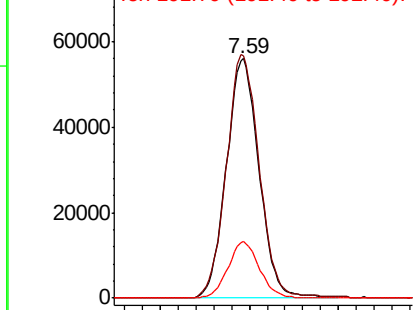


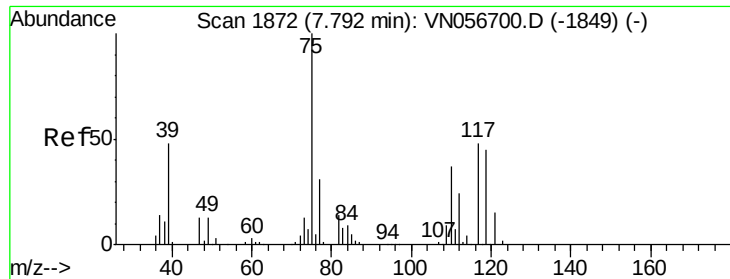
#35
 Dibromofluoromethane
 Concen: 48.334 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056750.D
 Acq: 16 Jul 2019 6:46

Tgt Ion:113 Resp: 142311
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.8 122.6
 192 22.7 17.5 26.3



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

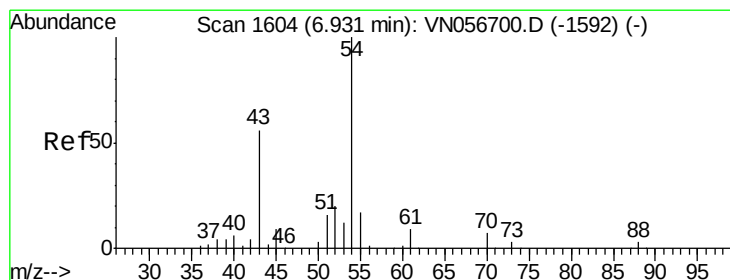
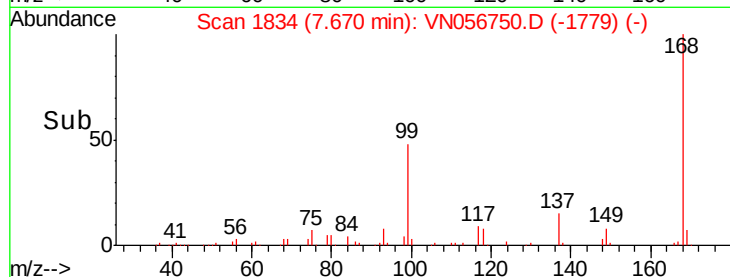
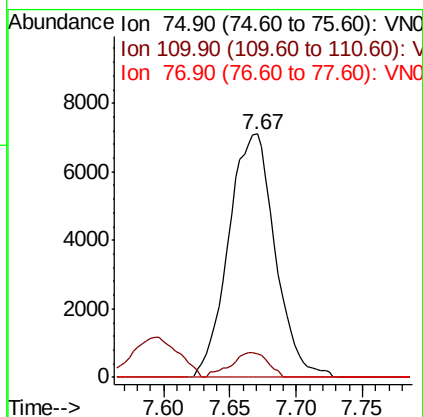
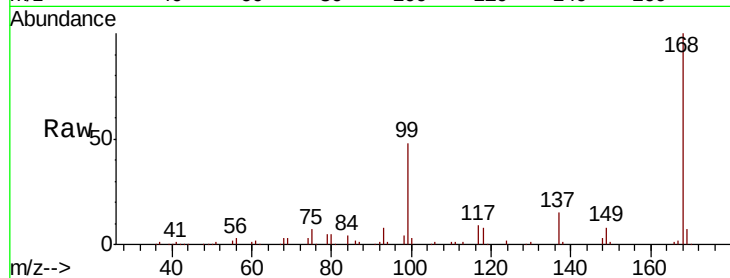




#36
 1,1-Dichloropropene
 Concen: 3.967 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN056750.D
 Acq: 16 Jul 2019 6:46

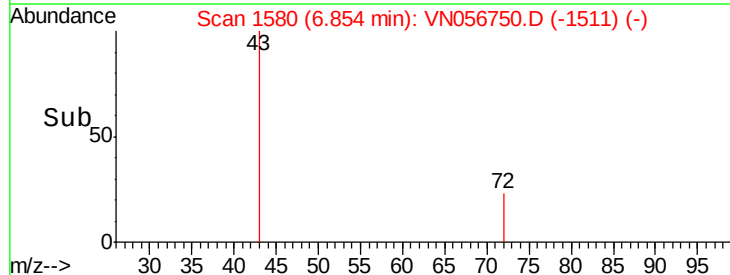
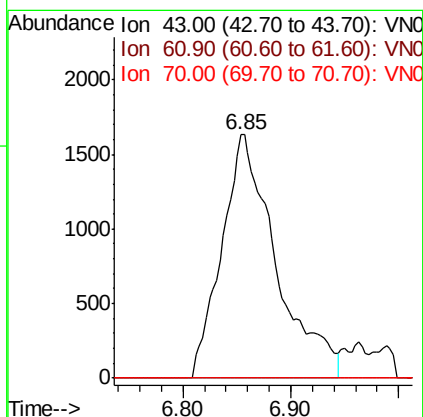
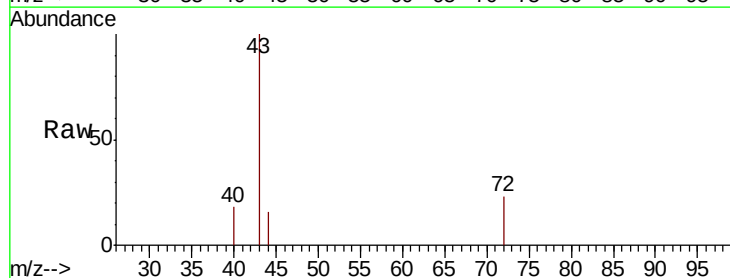
Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-DRUM

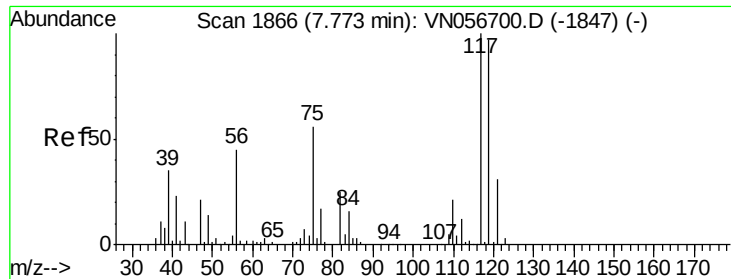
Tot Ion: 75 Resp: 17367
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.4 55.4#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 1.326 ug/l
 RT: 6.85 min Scan# 1580
 Delta R.T. -0.08 min
 Lab File: VN056750.D
 Acq: 16 Jul 2019 6:46

Tgt Ion: 43 Resp: 5721
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.3 16.9#
 70 0.0 8.5 12.7#

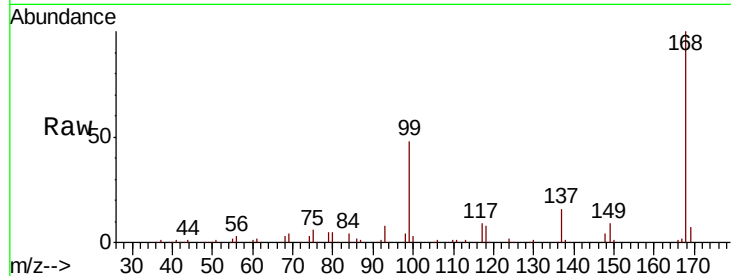




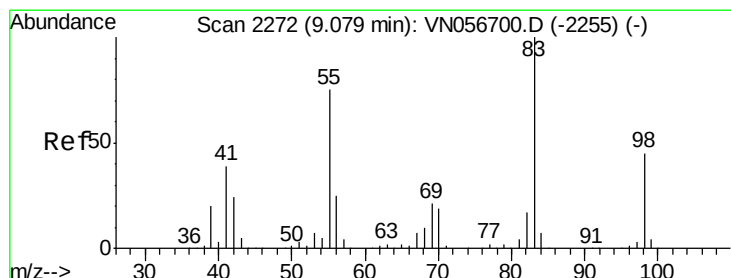
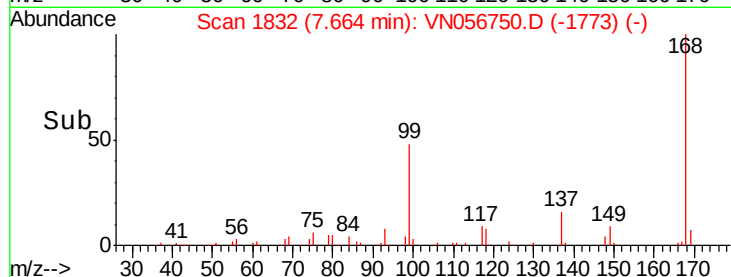
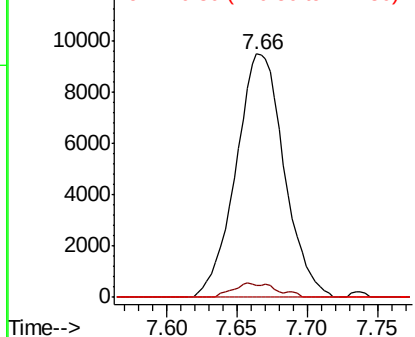
#38
Carbon Tetrachloride
Concen: 5.506 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Instrument :
MSVOA_N
ClientSampled :
SOIL-DRUM

Tot Ion:117 Resp: 22607
Ion Ratio Lower Upper
117 100
119 4.8 77.5 116.3#
121 0.0 24.7 37.1#

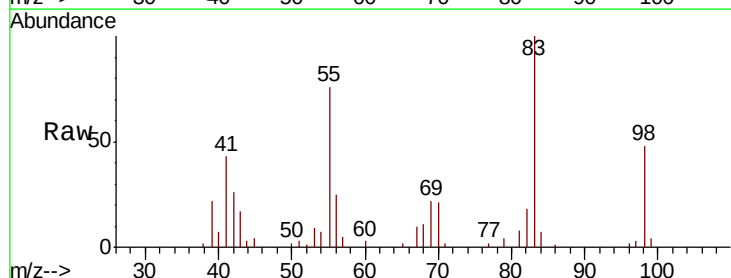


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

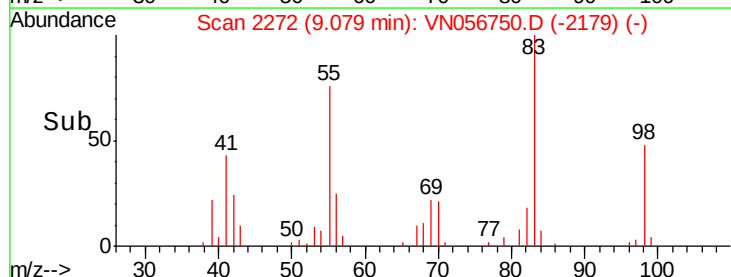
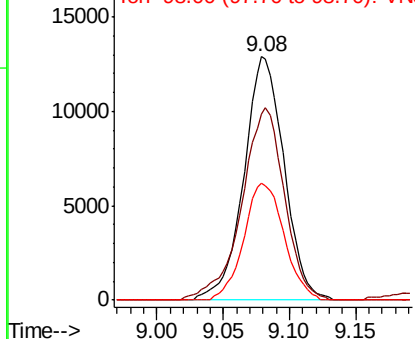


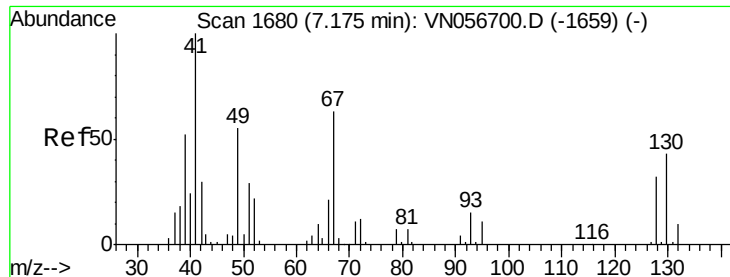
#39
Methylcyclohexane
Concen: 5.035 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Tgt Ion: 83 Resp: 27216
Ion Ratio Lower Upper
83 100
55 76.4 60.4 90.6
98 48.1 35.8 53.8



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

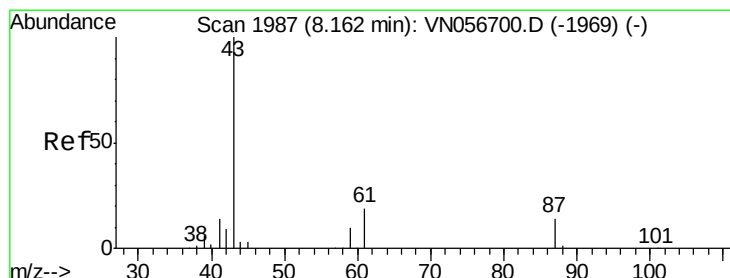
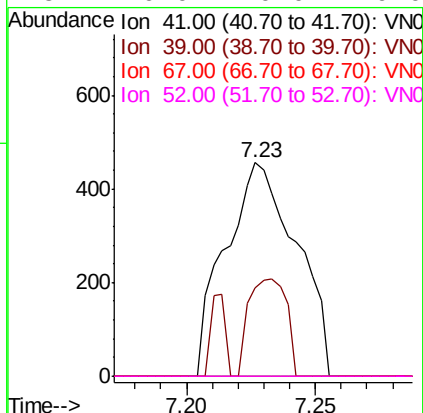
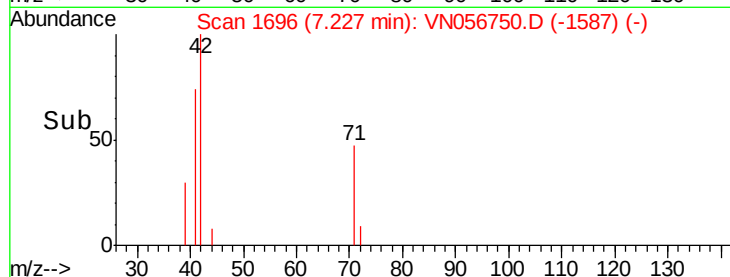
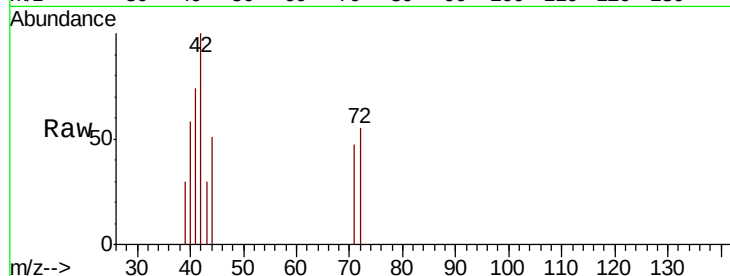




#41
Methacrylonitrile
Concen: 0.461 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.05 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

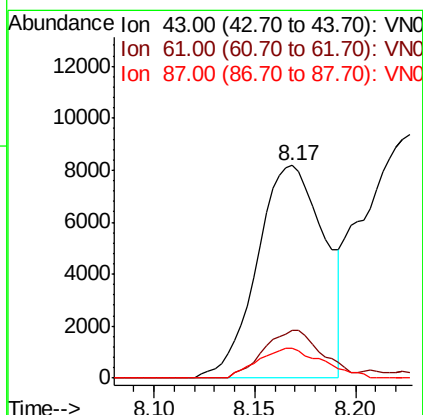
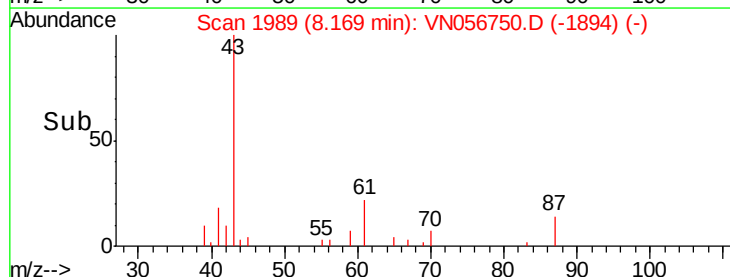
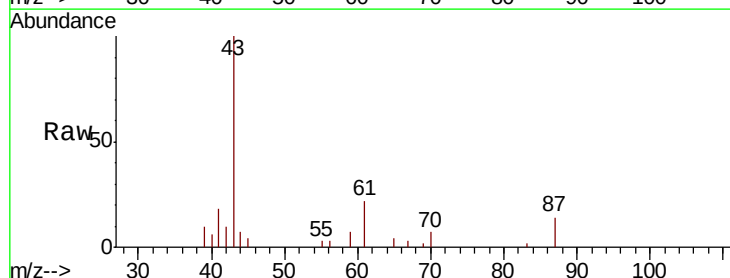
Instrument :
MSVOA_N
ClientSampled :
SOIL-DRUM

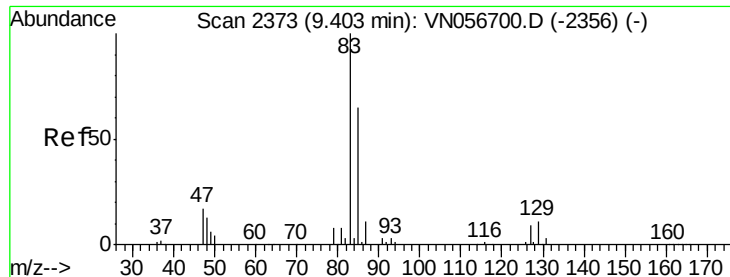
Tot Ion: 41 Resp: 874
Ion Ratio Lower Upper
41 100
39 24.3 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#43
Isopropyl Acetate
Concen: 2.796 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Tgt Ion: 43 Resp: 18966
Ion Ratio Lower Upper
43 100
61 19.4 22.3 33.5#
87 13.5 11.1 16.7





#47

Bromodichloromethane

Concen: 0.201 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056750.D

Acq: 16 Jul 2019 6:46

Instrument :

MSVOA_N

ClientSampleId :

SOIL-DRUM

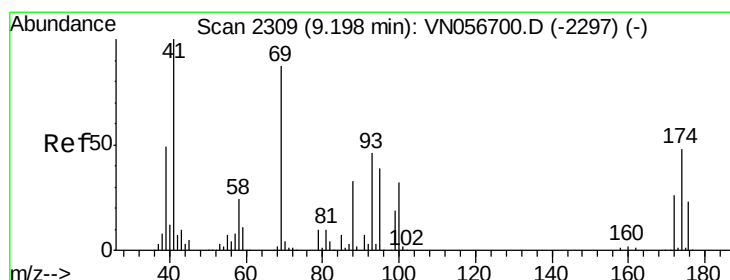
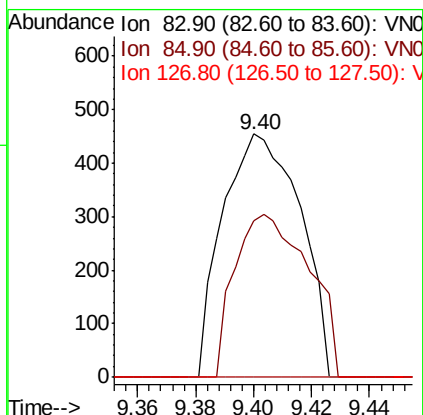
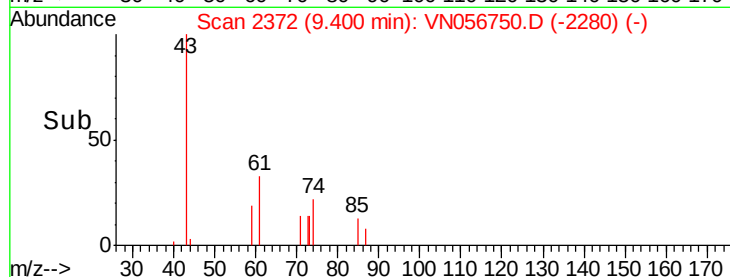
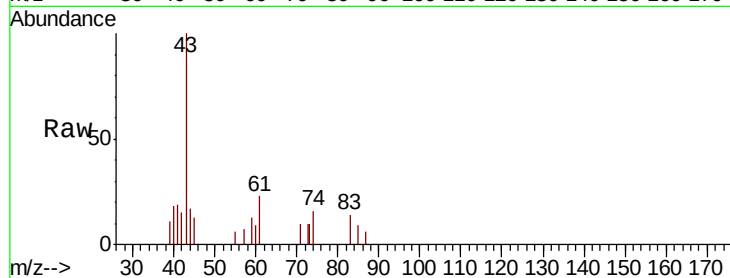
Tot Ion: 83 Resp: 843

Ion Ratio Lower Upper

83 100

85 64.2 52.3 78.5

127 0.0 7.6 11.4#



#48

Methyl methacrylate

Concen: 2.688 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.01 min

Lab File: VN056750.D

Acq: 16 Jul 2019 6:46

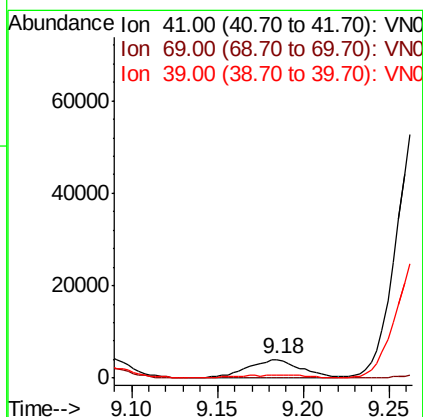
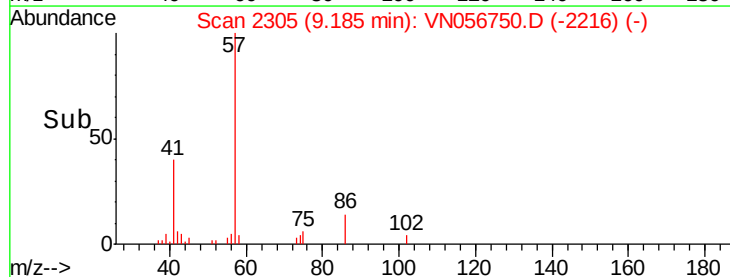
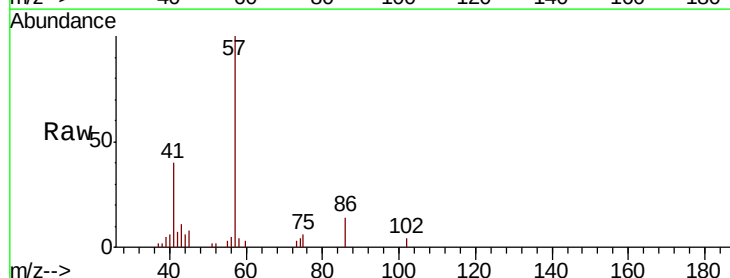
Tgt Ion: 41 Resp: 8819

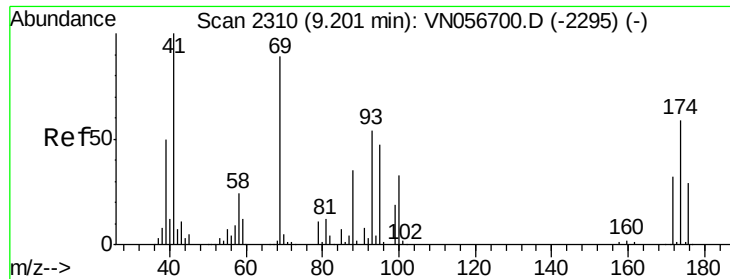
Ion Ratio Lower Upper

41 100

69 0.0 71.4 107.0#

39 0.0 41.2 61.8#





#49

1,4-Dioxane

Concen: 1.040 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.06 min

Lab File: VN056750.D

Acq: 16 Jul 2019 6:46

Instrument :

MSVOA_N

ClientSampleId :

SOIL-DRUM

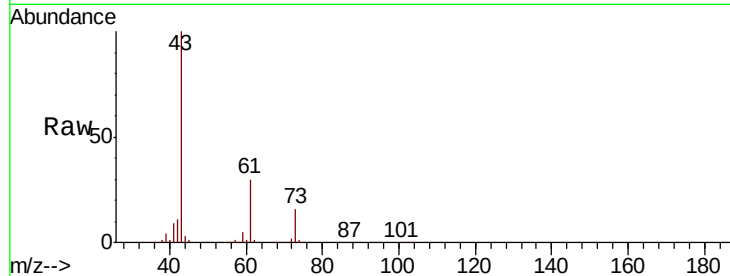
Tot Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

43 1821594.3 23.7 35.5#

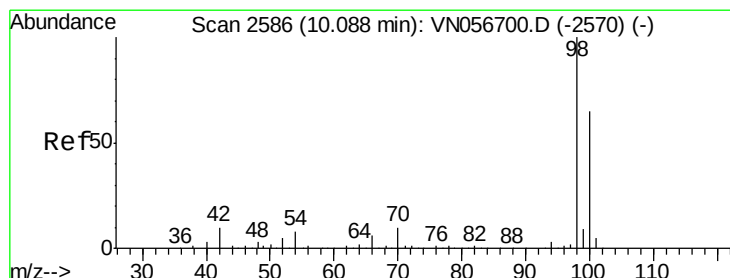
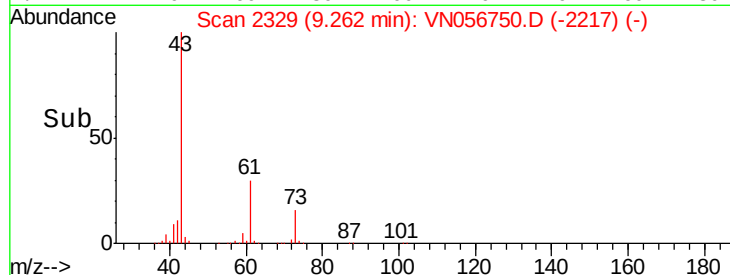
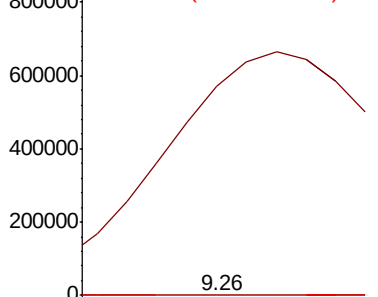
58 7461.4 55.6 83.4#



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: 53.365 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056750.D

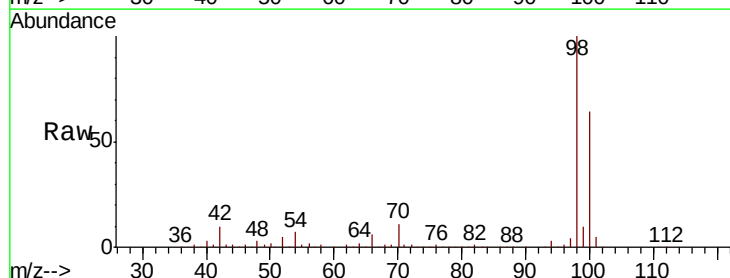
Acq: 16 Jul 2019 6:46

Tgt Ion: 98 Resp: 606846

Ion Ratio Lower Upper

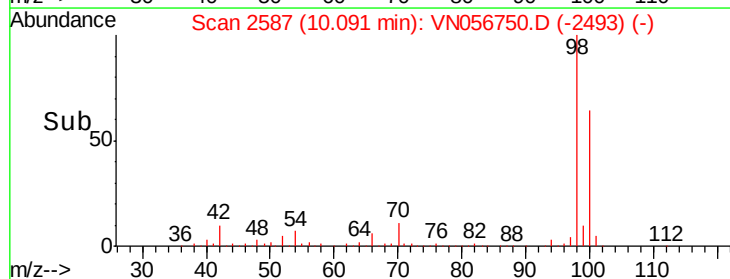
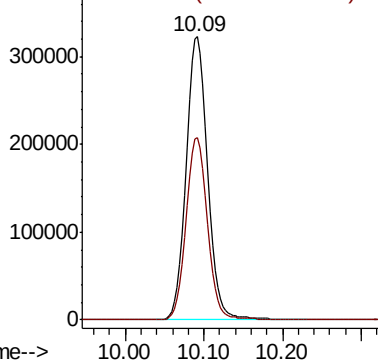
98 100

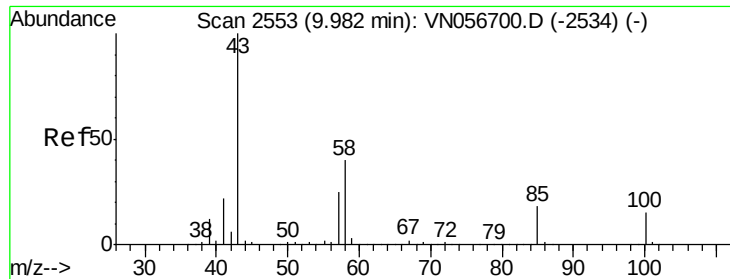
100 64.4 52.0 78.0



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: 1.036 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN056750.D

Acq: 16 Jul 2019 6:46

Instrument :

MSVOA_N

ClientSampleId :

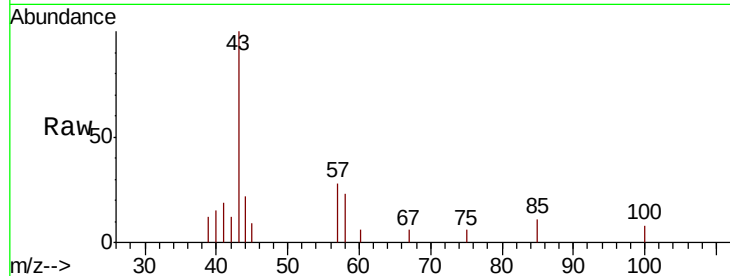
SOIL-DRUM

Tot Ion: 43 Resp: 4551

Ion Ratio Lower Upper

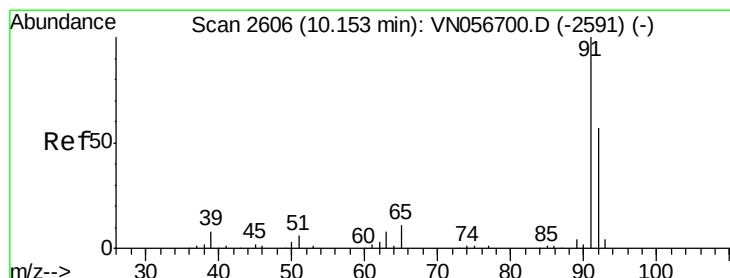
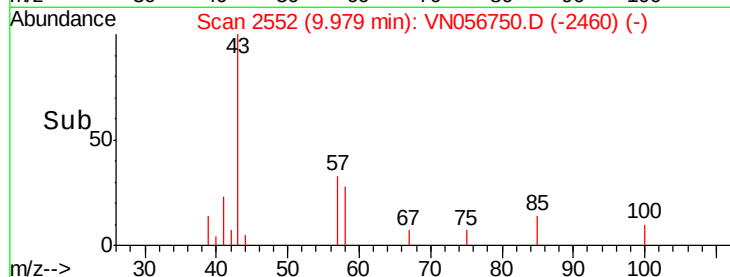
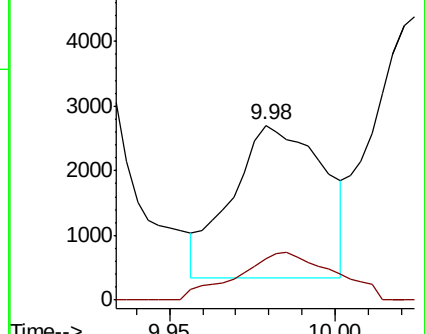
43 100

58 33.1 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.244 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056750.D

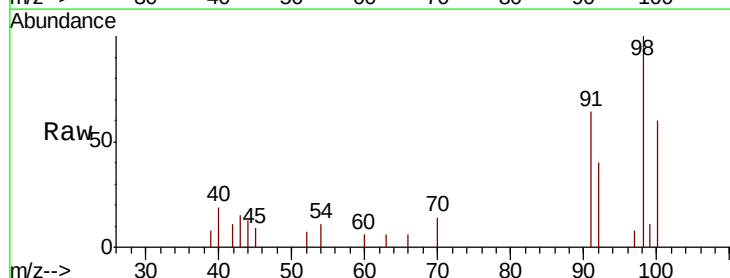
Acq: 16 Jul 2019 6:46

Tgt Ion: 92 Resp: 1940

Ion Ratio Lower Upper

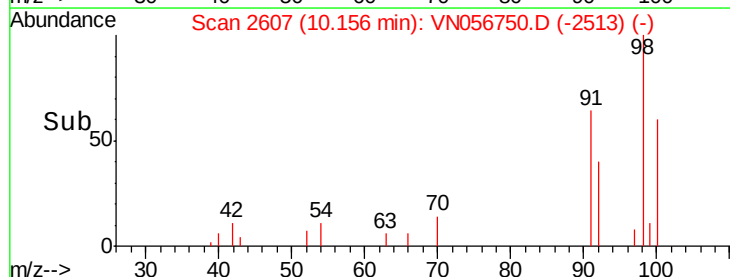
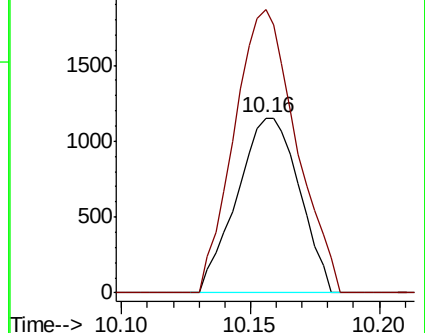
92 100

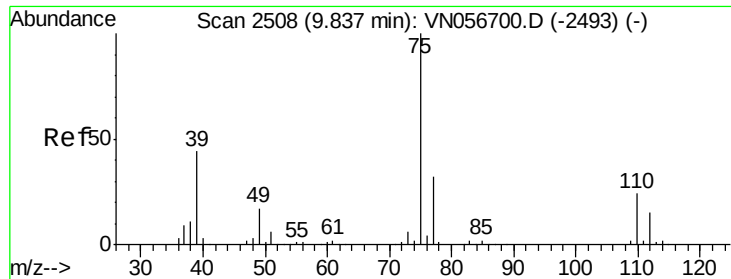
91 161.2 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#54

cis-1,3-Dichloropropene

Concen: 9.078 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN056750.D

Acq: 16 Jul 2019 6:46

Instrument :

MSVOA_N

ClientSampleId :

SOIL-DRUM

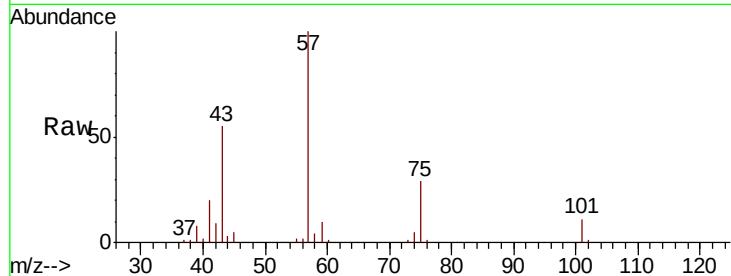
Tot Ion: 75 Resp: 46132

Ion Ratio Lower Upper

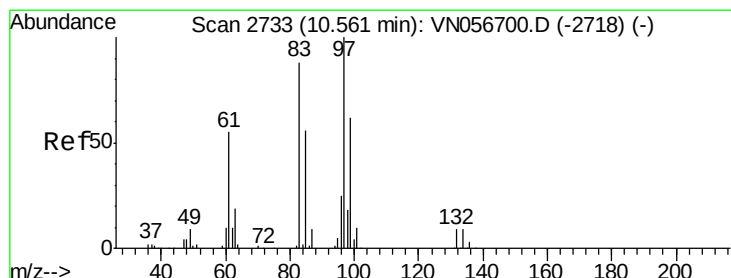
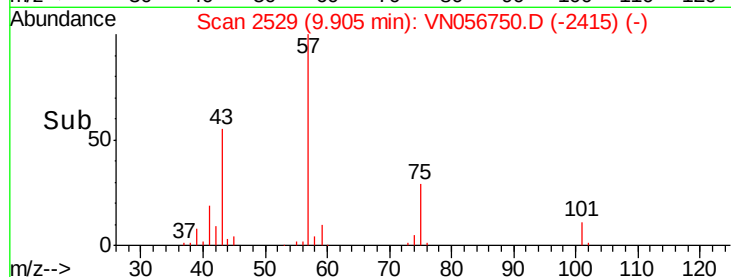
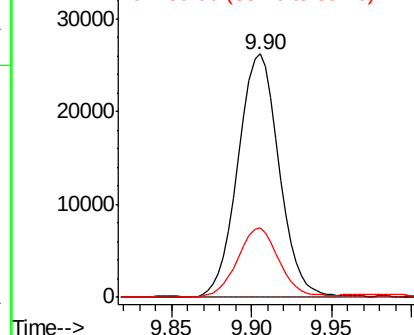
75 100

77 0.0 26.0 39.0#

39 28.4 35.1 52.7#



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



#55

1,1,2-Trichloroethane

Concen: 1.481 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN056750.D

Acq: 16 Jul 2019 6:46

Tgt Ion: 97 Resp: 4949

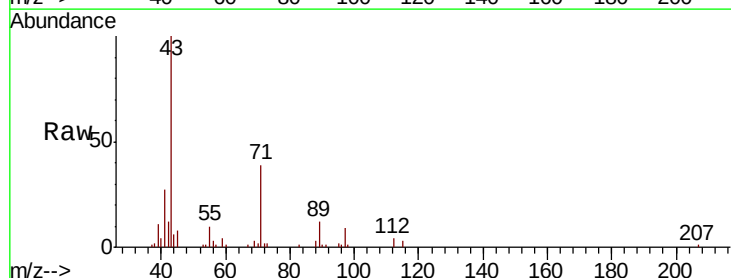
Ion Ratio Lower Upper

97 100

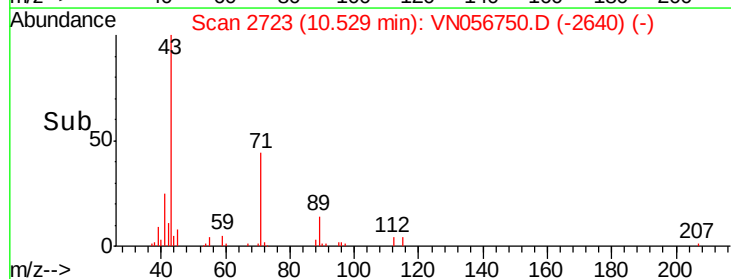
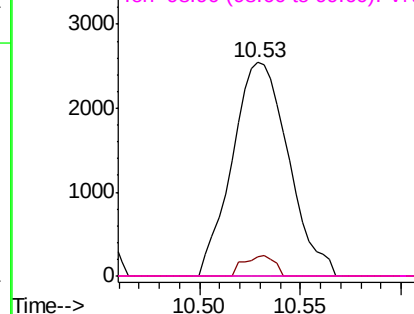
83 9.0 70.3 105.5#

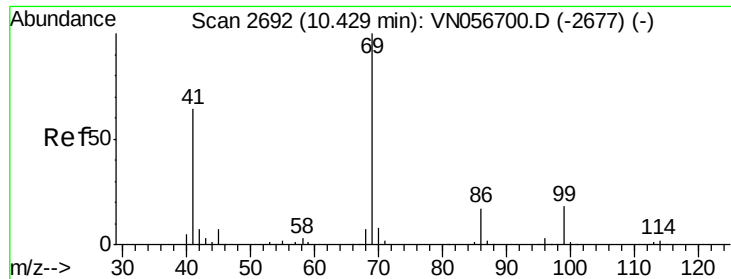
85 0.0 44.8 67.2#

99 0.0 49.6 74.4#



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 98.90 (98.60 to 99.60): VNO





#56

Ethyl methacrylate

Concen: 0.465 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN056750.D

Acq: 16 Jul 2019 6:46

Instrument :

MSVOA_N

ClientSampled :

SOIL-DRUM

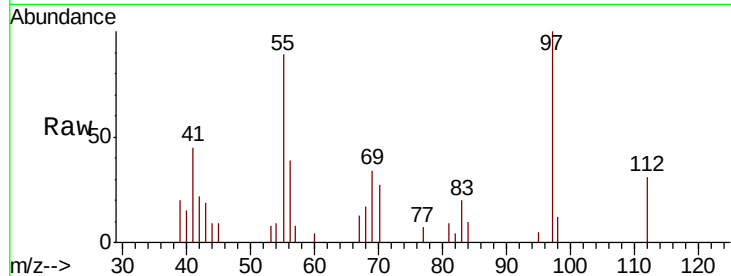
Tot Ion: 69 Resp: 2236

Ion Ratio Lower Upper

69 100

41 144.0 51.0 76.4#

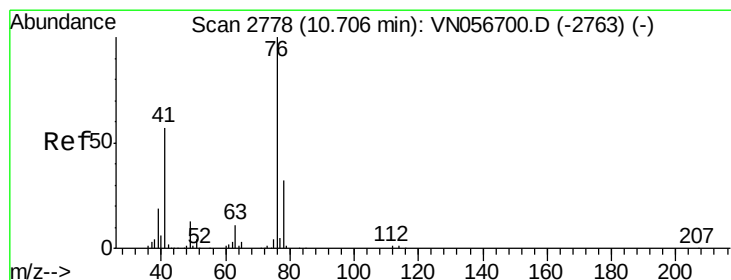
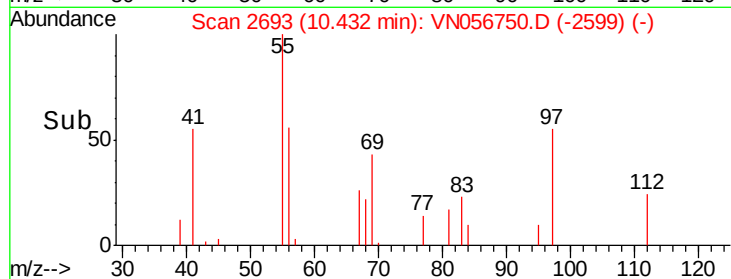
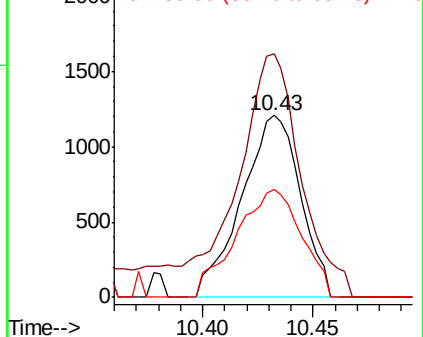
39 66.1 24.6 36.8#



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: 1.848 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN056750.D

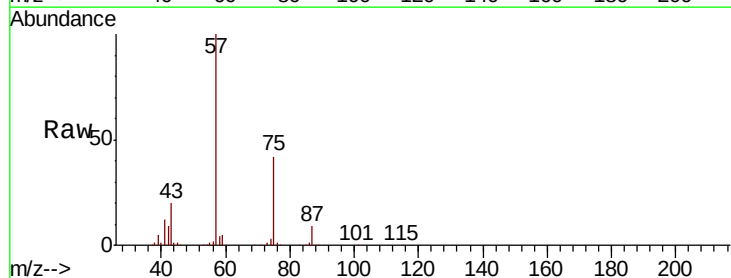
Acq: 16 Jul 2019 6:46

Tgt Ion: 76 Resp: 10088

Ion Ratio Lower Upper

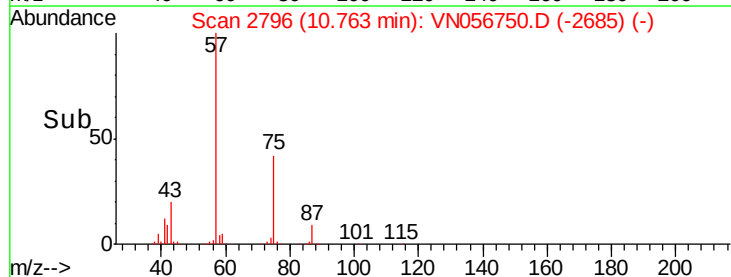
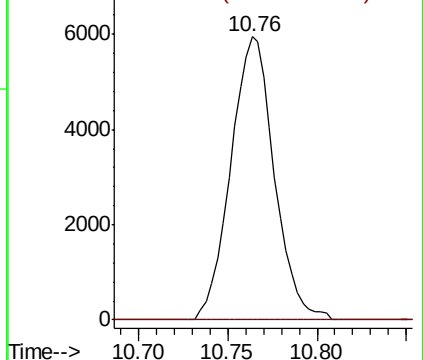
76 100

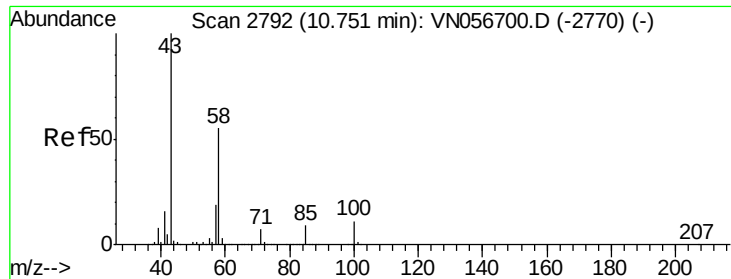
78 0.0 26.0 39.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

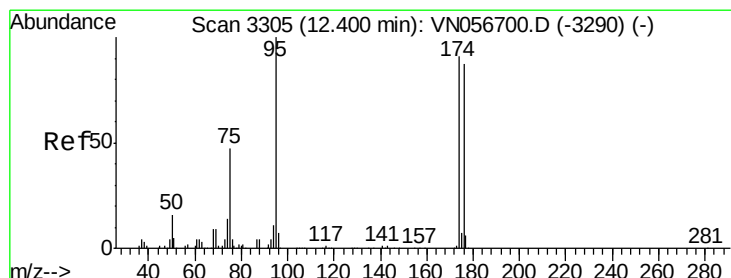
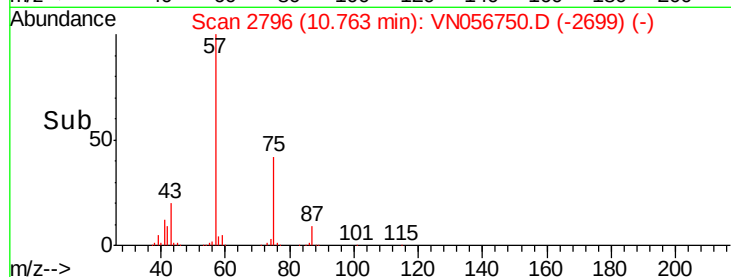
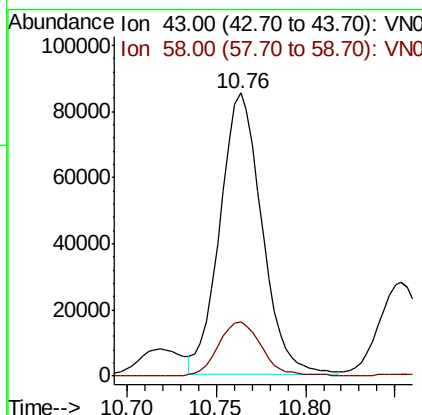
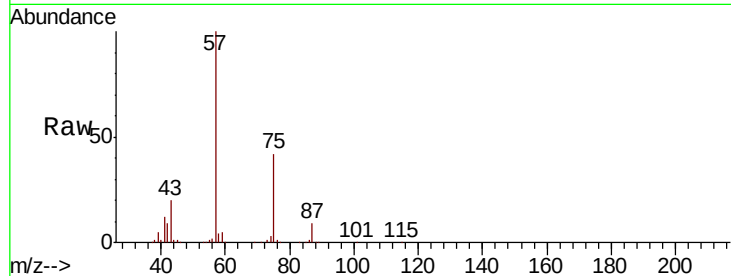




#59
2-Hexanone
Concen: 44.182 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

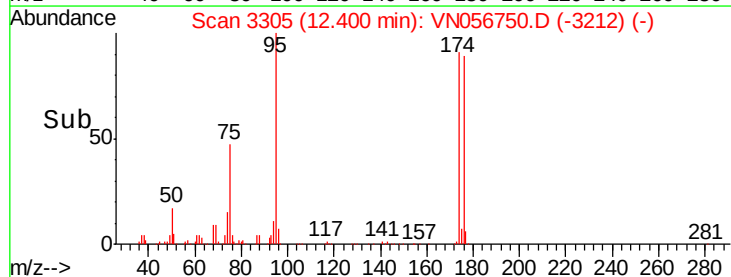
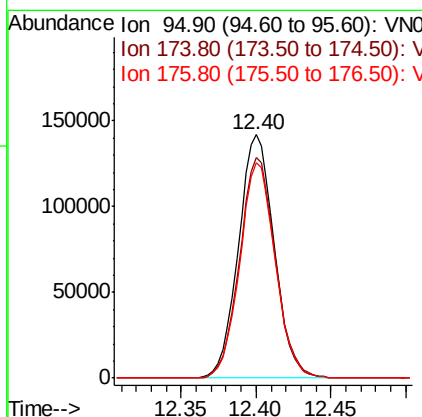
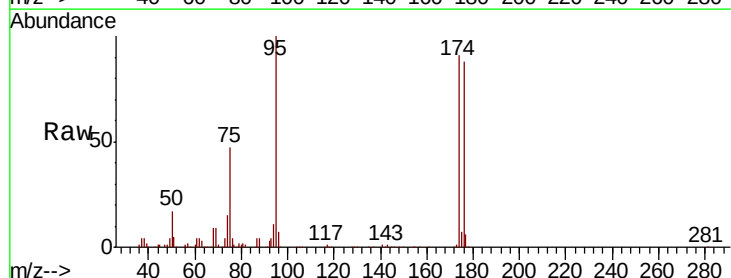
Instrument :
MSVOA_N
ClientSampleId :
SOIL-DRUM

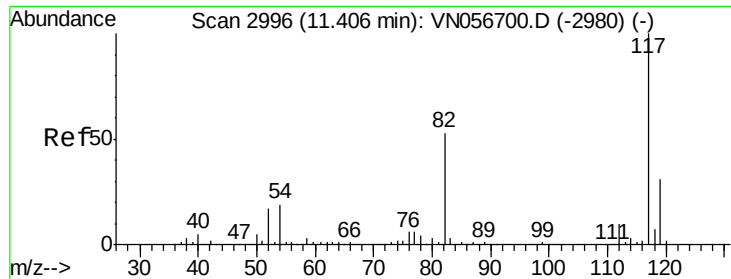
Tot Ion: 43 Resp: 139285
Ion Ratio Lower Upper
43 100
58 20.1 27.9 83.6#



#62
4-Bromofluorobenzene
Concen: 61.506 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Tgt Ion: 95 Resp: 235871
Ion Ratio Lower Upper
95 100
174 90.6 0.0 180.0
176 87.8 0.0 173.2

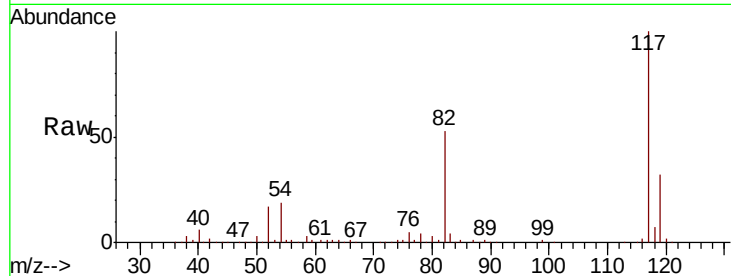




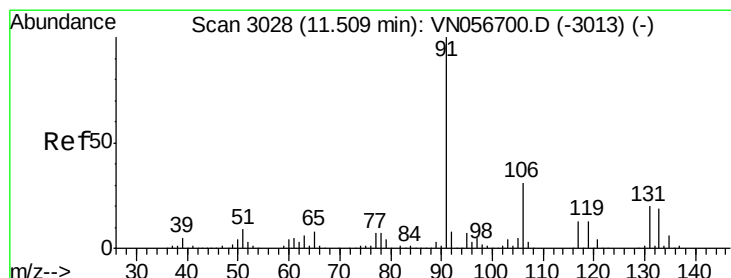
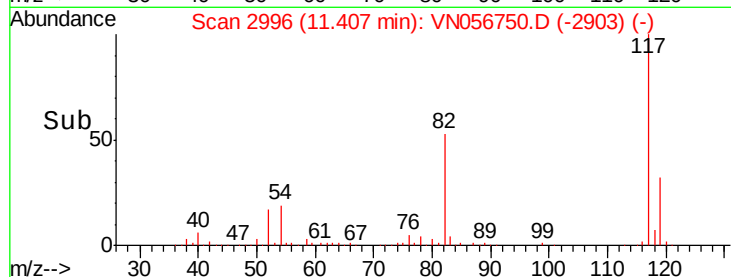
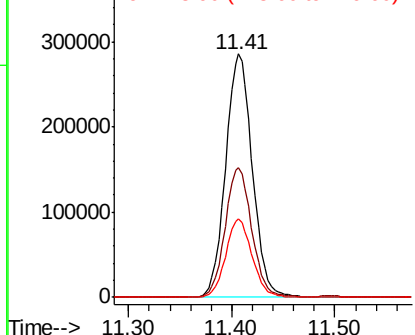
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Instrument :
MSVOA_N
ClientSampleId :
SOIL-DRUM

Tot Ion:117 Resp: 514590
Ion Ratio Lower Upper
117 100
82 53.2 42.2 63.2
119 32.2 25.2 37.8

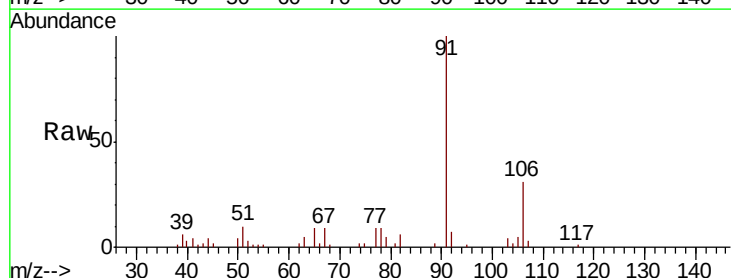


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

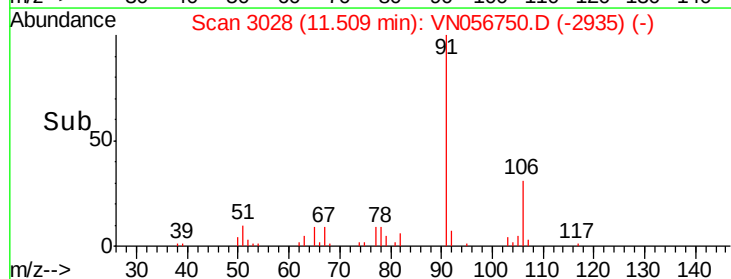
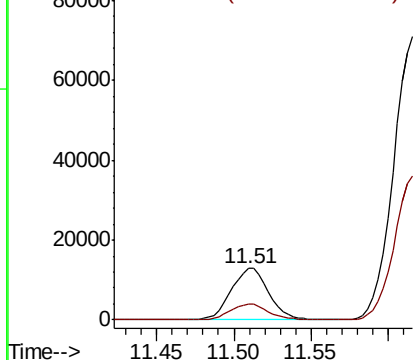


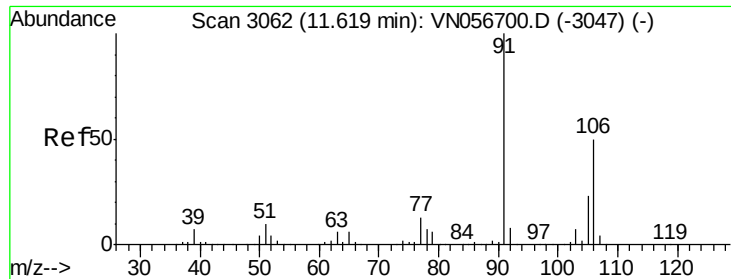
#67
Ethyl Benzene
Concen: 1.184 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Tgt Ion: 91 Resp: 21890
Ion Ratio Lower Upper
91 100
106 31.1 24.8 37.2



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

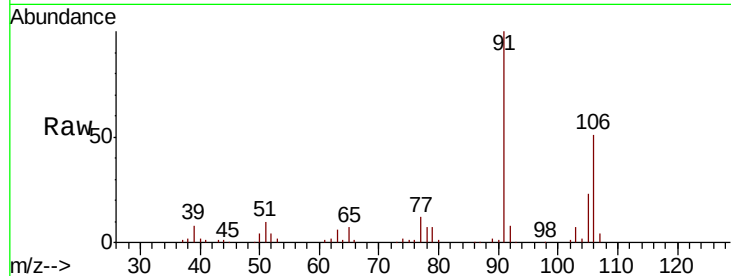




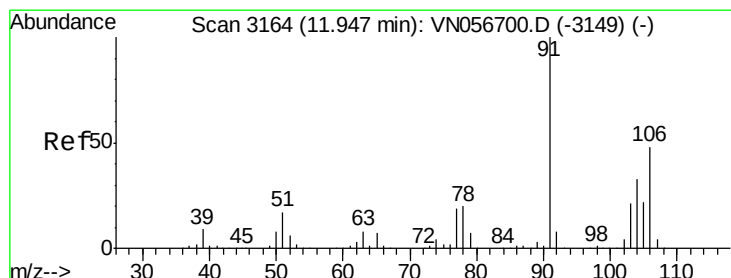
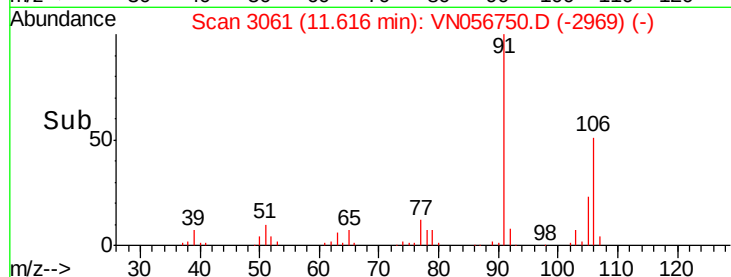
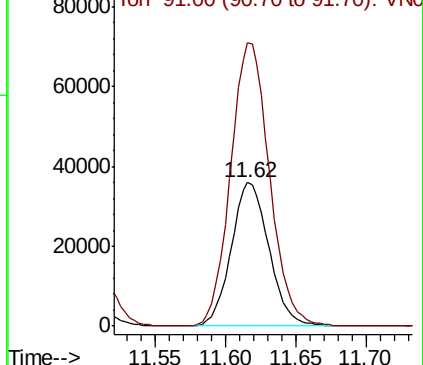
#68
m/p-Xylenes
Concen: 9.748 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Instrument :
MSVOA_N
ClientSampled :
SOIL-DRUM

Tot Ion:106 Resp: 67363
Ion Ratio Lower Upper
106 100
91 203.5 160.5 240.7

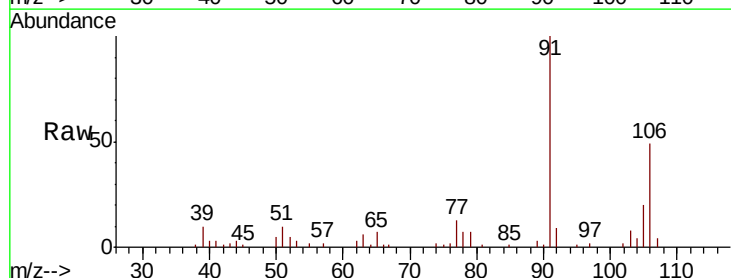


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

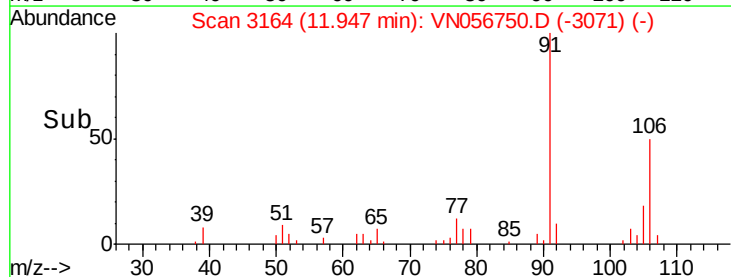
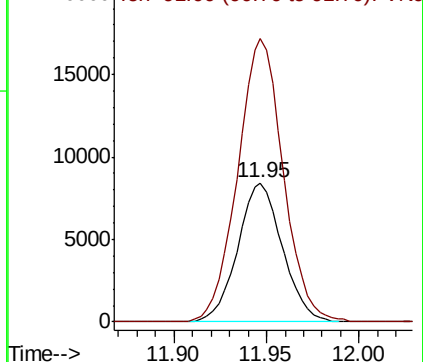


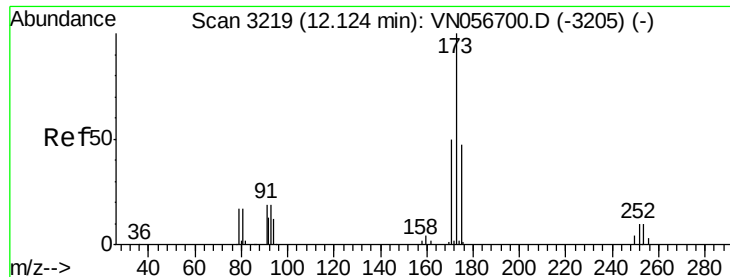
#69
o-Xylene
Concen: 2.073 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Tgt Ion:106 Resp: 14083
Ion Ratio Lower Upper
106 100
91 208.2 105.6 316.8



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





#71

Bromoform

Concen: 0.554 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN056750.D

Acq: 16 Jul 2019 6:46

Instrument :

MSVOA_N

ClientSampleId :

SOIL-DRUM

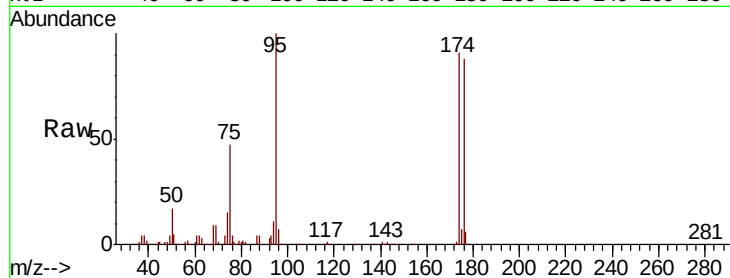
Tot Ion:173 Resp: 1633

Ion Ratio Lower Upper

173 100

175 826.3 23.8 71.4#

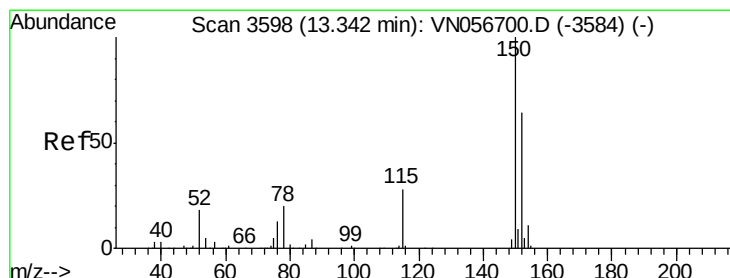
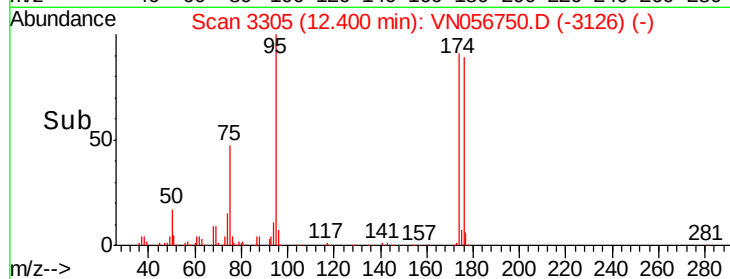
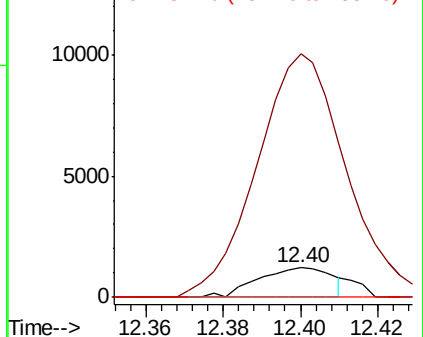
254 0.0 0.0 0.0



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: VN056750.D

Acq: 16 Jul 2019 6:46

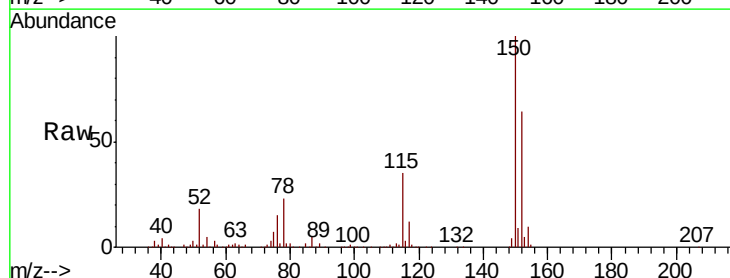
Tgt Ion:152 Resp: 231165

Ion Ratio Lower Upper

152 100

115 56.7 28.2 84.7

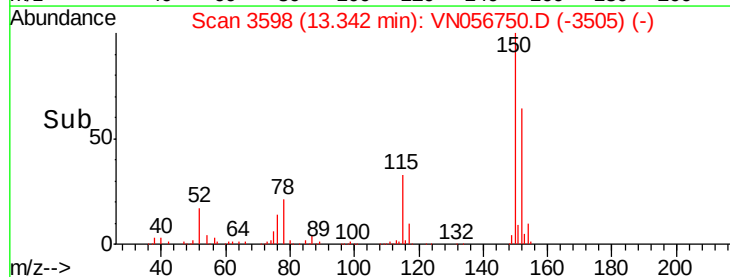
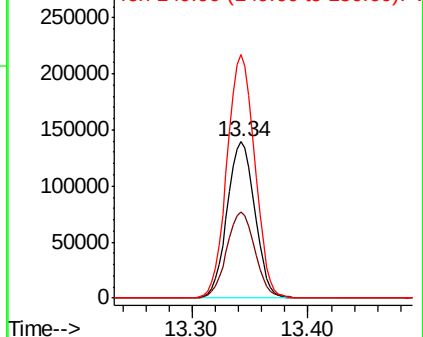
150 155.6 0.0 345.8

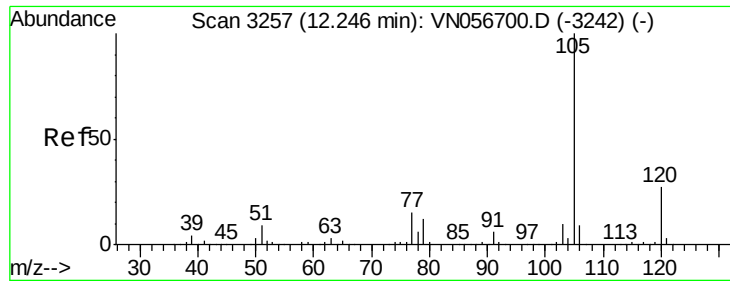


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.754 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056750.D

Acq: 16 Jul 2019 6:46

Instrument :

MSVOA_N

ClientSampleId :

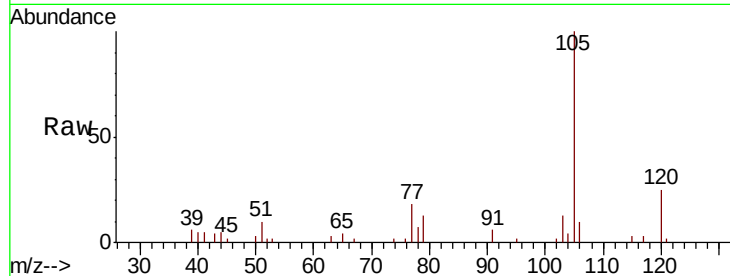
SOIL-DRUM

Tot Ion:105 Resp: 14062

Ion Ratio Lower Upper

105 100

120 27.6 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

8000

6000

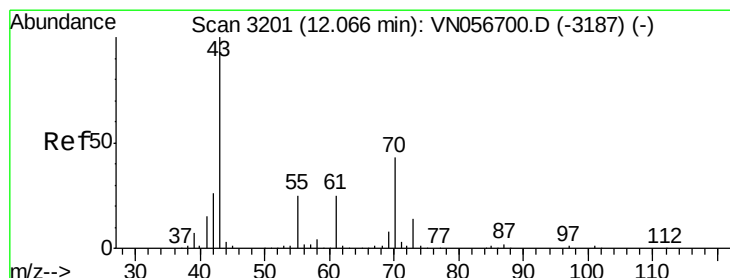
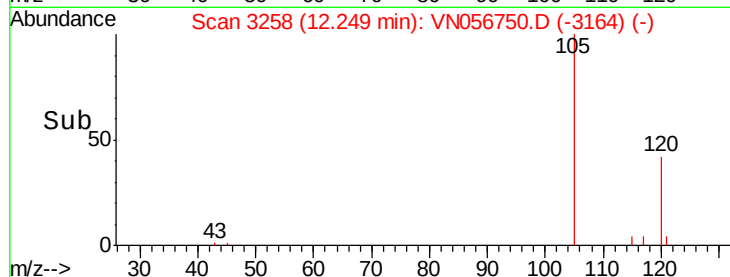
4000

2000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 1.852 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN056750.D

Acq: 16 Jul 2019 6:46

Tgt Ion: 43 Resp: 12856

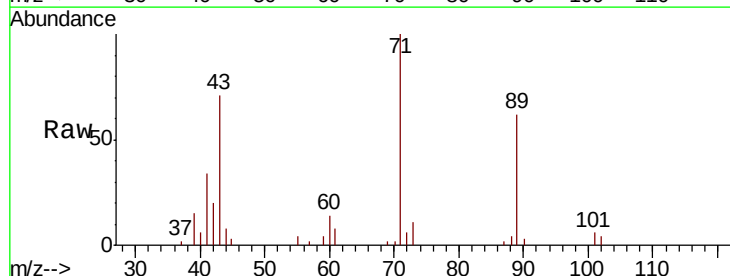
Ion Ratio Lower Upper

43 100

70 1.6 34.5 51.7#

55 4.6 20.2 30.2#

61 9.3 19.9 29.9#



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

8000

6000

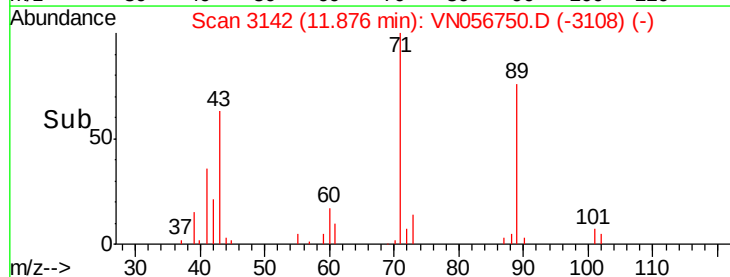
4000

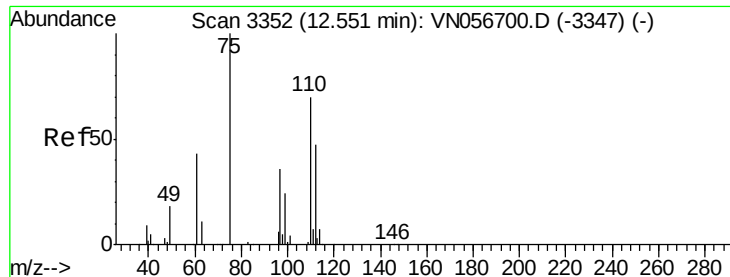
2000

0

Time-->

11.80 11.85 11.90





#76

1,2,3-Trichloropropane

Concen: 21.643 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056750.D

Acq: 16 Jul 2019 6:46

Instrument :

MSVOA_N

ClientSampleId :

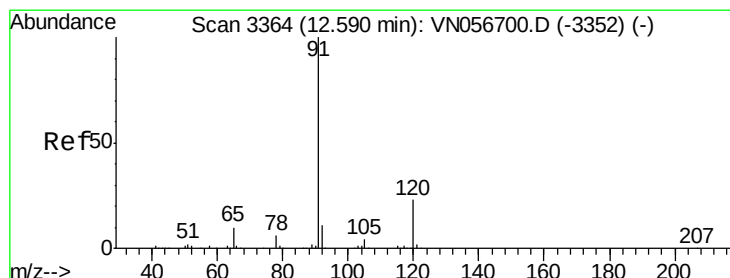
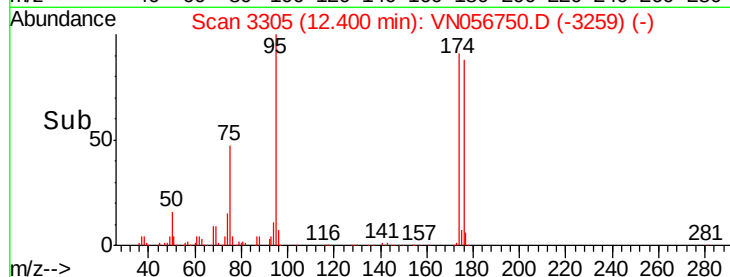
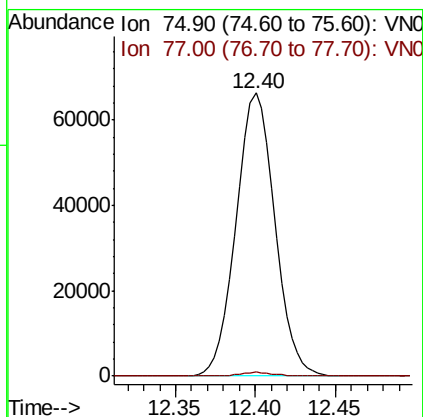
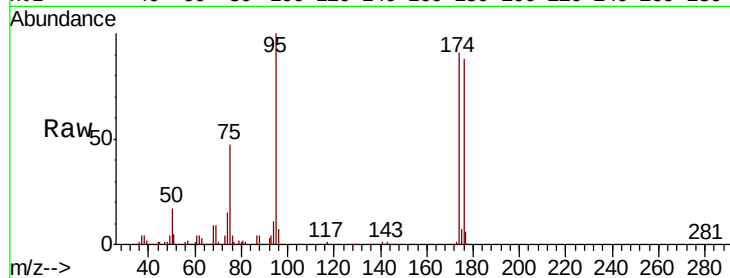
SOIL-DRUM

Tot Ion: 75 Resp: 109425

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#78

n-propylbenzene

Concen: 1.133 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056750.D

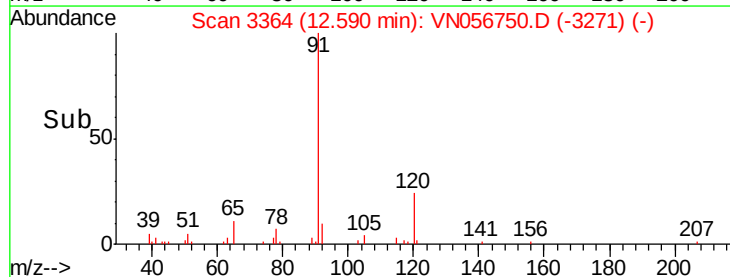
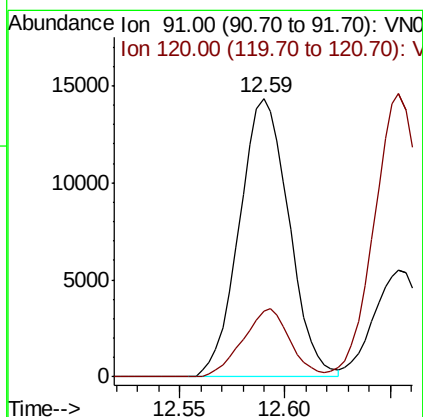
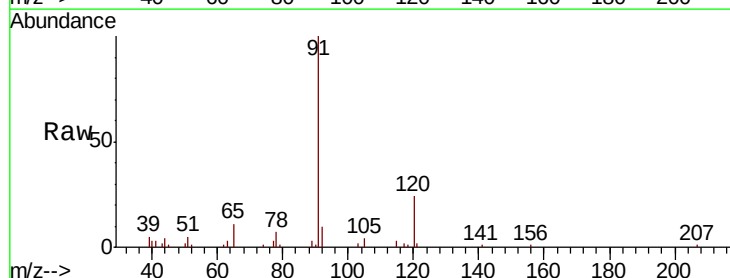
Acq: 16 Jul 2019 6:46

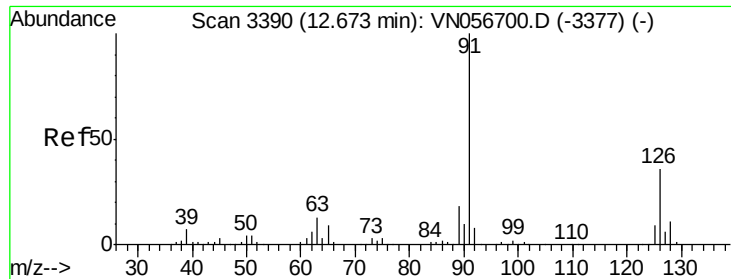
Tgt Ion: 91 Resp: 23438

Ion Ratio Lower Upper

91 100

120 23.4 11.8 35.3

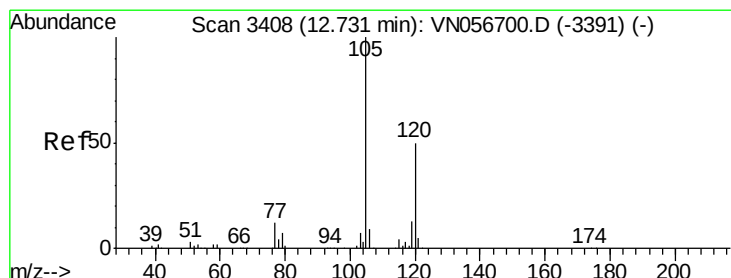
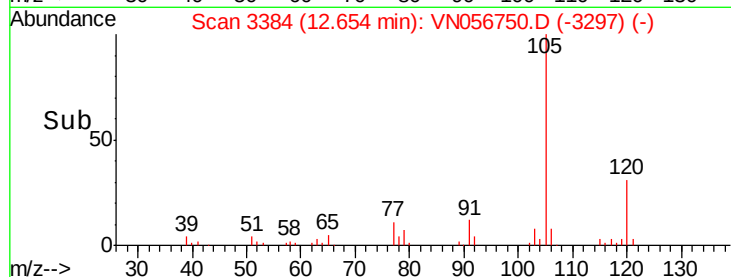
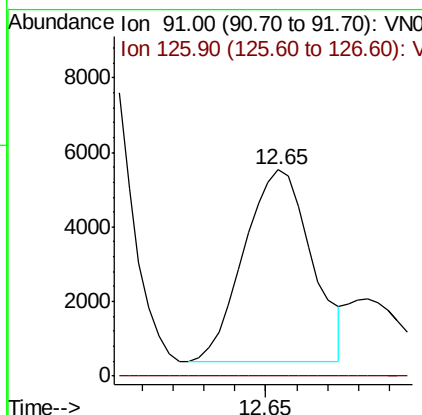
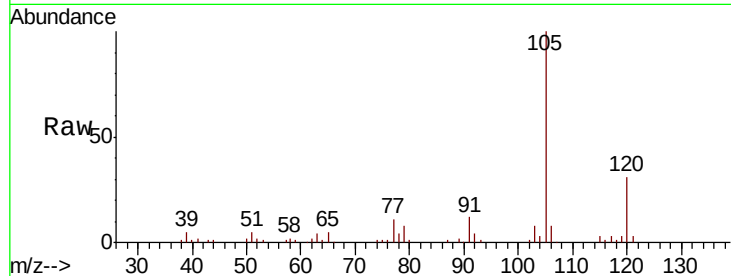




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.65 min Scan# 3384
 Delta R.T. -0.02 min
 Lab File: VN056750.D
 Acq: 16 Jul 2019 6:46

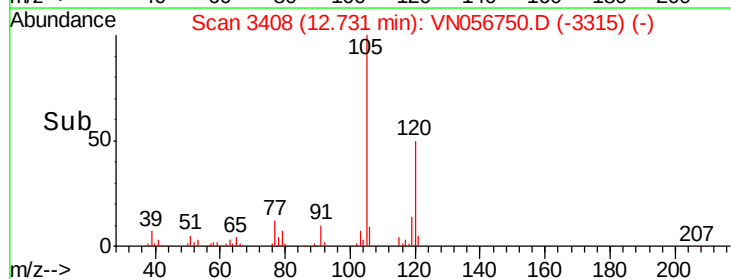
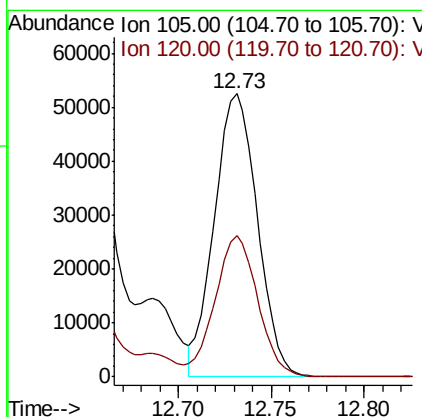
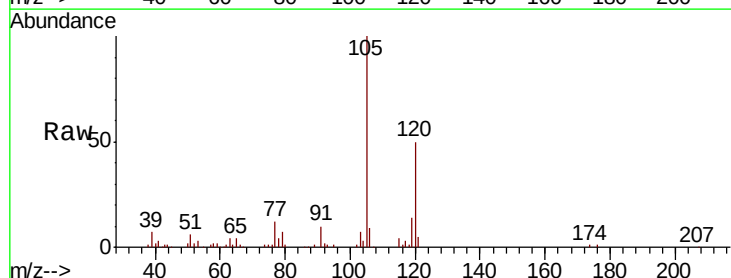
Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-DRUM

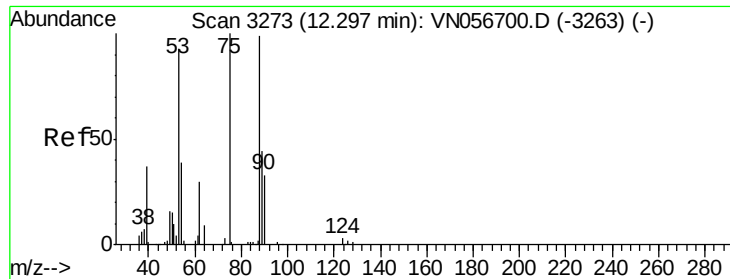
Tot Ion: 91 Resp: 7797
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.9 53.7#



#80
 1,3,5-Trimethylbenzene
 Concen: 5.361 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056750.D
 Acq: 16 Jul 2019 6:46

Tgt Ion: 105 Resp: 84683
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 66.840 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056750.D

Acq: 16 Jul 2019 6:46

Instrument :

MSVOA_N

ClientSampleId :

SOIL-DRUM

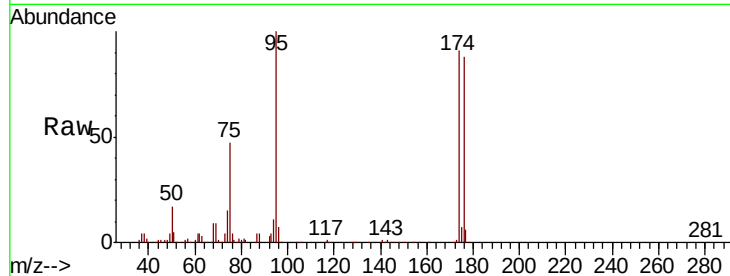
Tot Ion: 75 Resp: 109425

Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

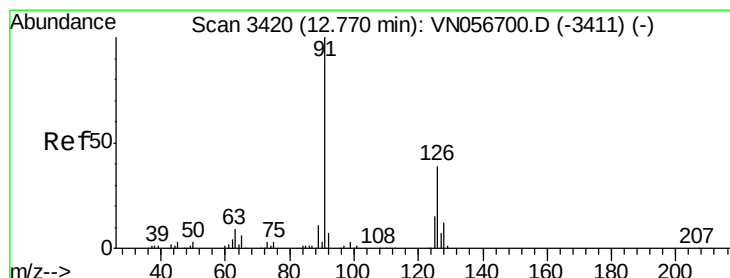
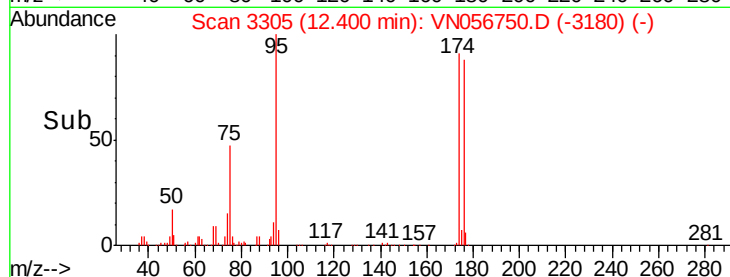
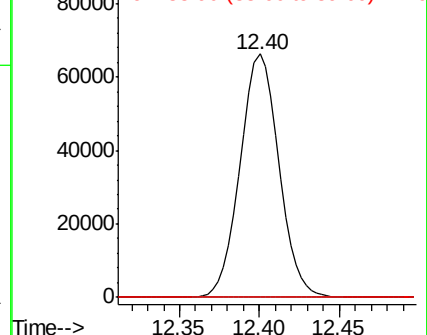
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.761 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN056750.D

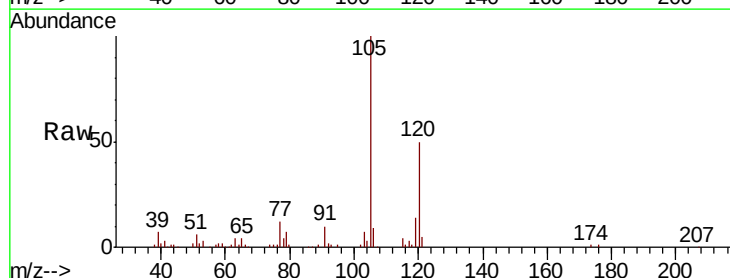
Acq: 16 Jul 2019 6:46

Tgt Ion: 91 Resp: 9243

Ion Ratio Lower Upper

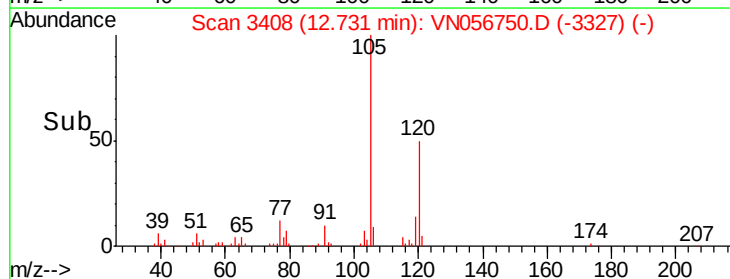
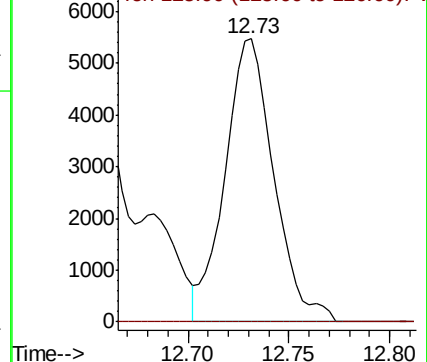
91 100

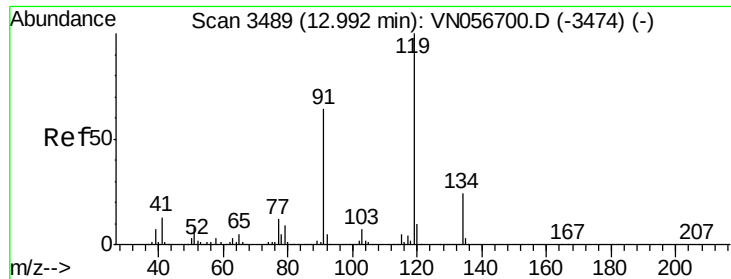
126 0.0 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

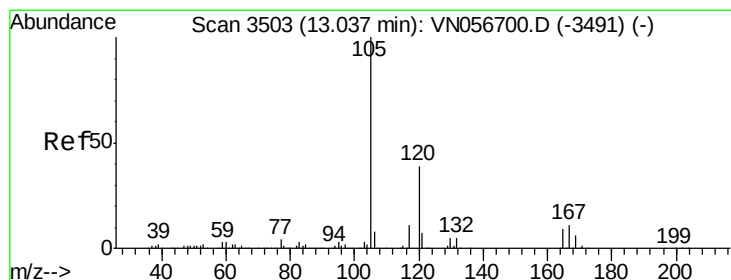
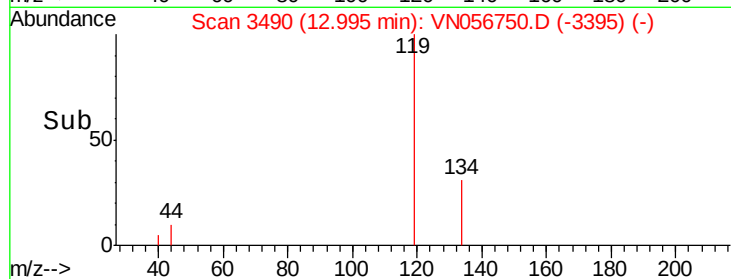
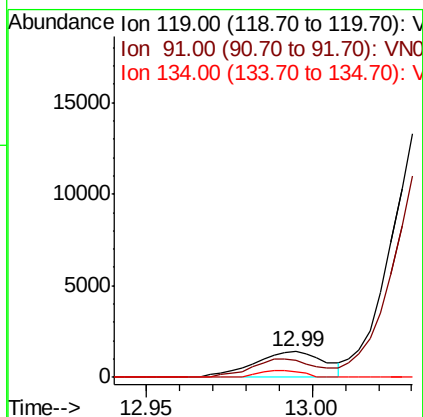
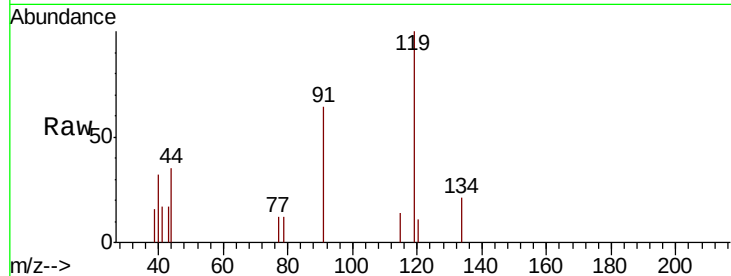




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN056750.D
 Acq: 16 Jul 2019 6:46

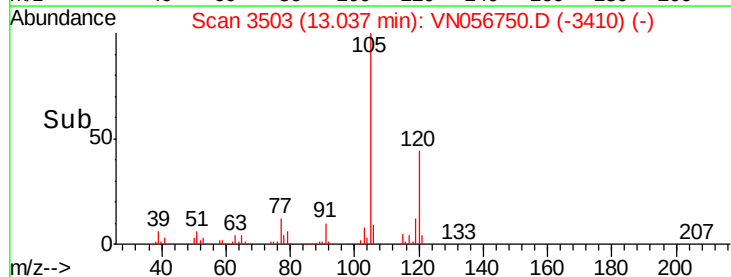
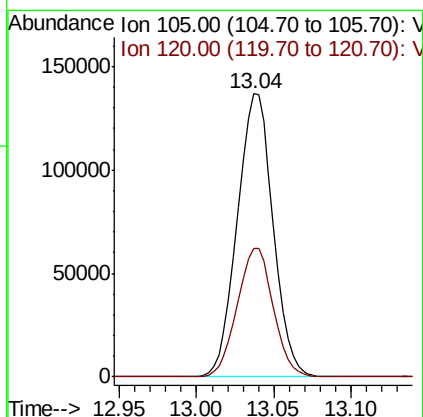
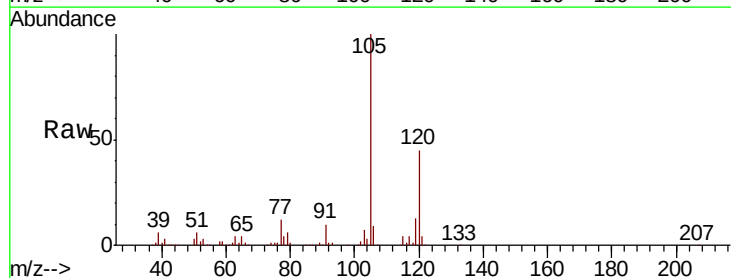
Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-DRUM

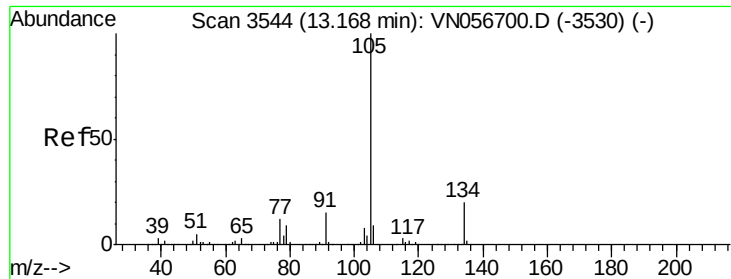
Tot Ion:119 Resp: 2098
 Ion Ratio Lower Upper
 119 100
 91 62.7 31.8 95.4
 134 15.5 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 14.257 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056750.D
 Acq: 16 Jul 2019 6:46

Tgt Ion:105 Resp: 220021
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.9 68.8





#85

sec-Butylbenzene

Concen: 12.534 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.13 min

Lab File: VN056750.D

Acq: 16 Jul 2019 6:46

Instrument :

MSVOA_N

ClientSampleId :

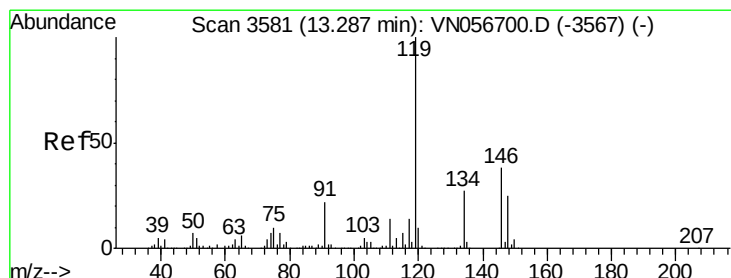
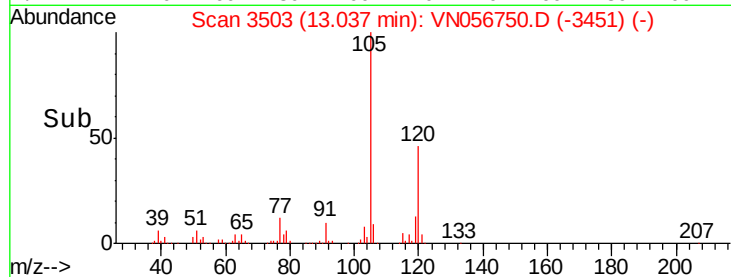
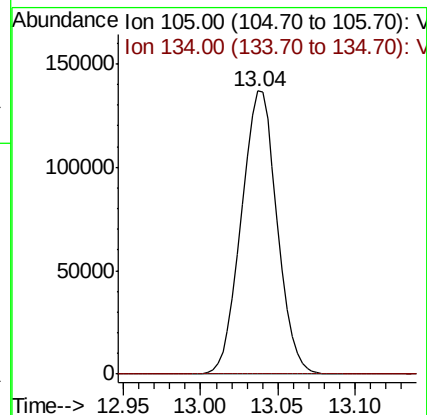
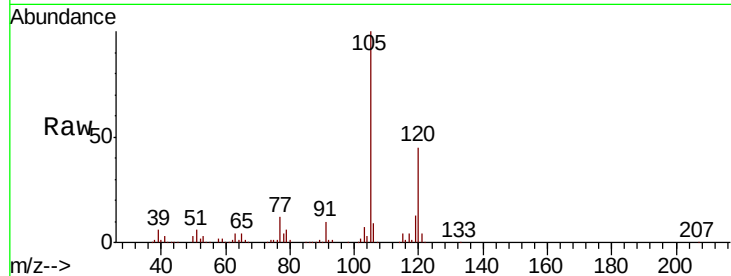
SOIL-DRUM

Tot Ion:105 Resp: 220021

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.1#



#86

p-Isopropyltoluene

Concen: 0.261 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056750.D

Acq: 16 Jul 2019 6:46

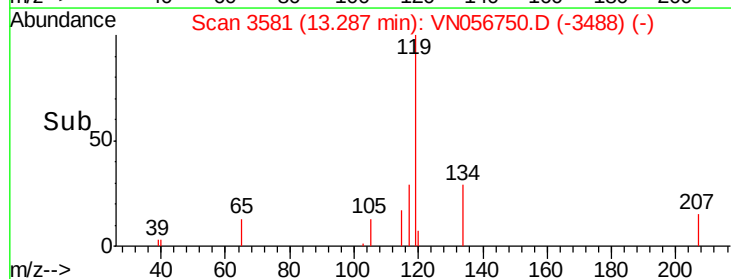
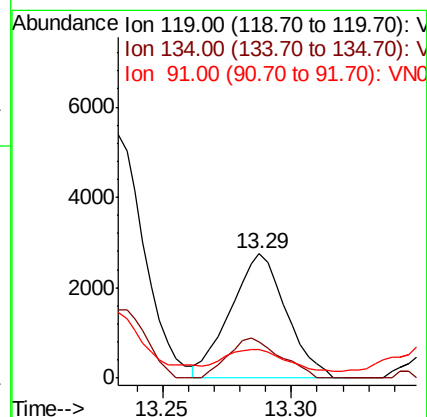
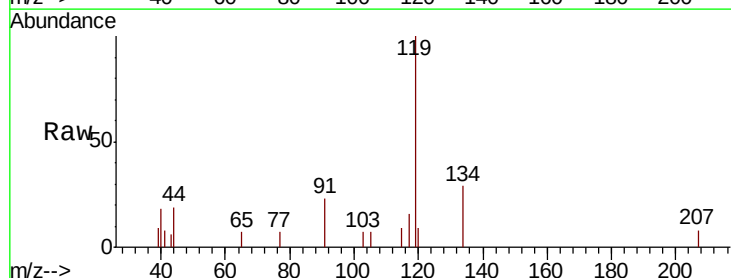
Tgt Ion:119 Resp: 4147

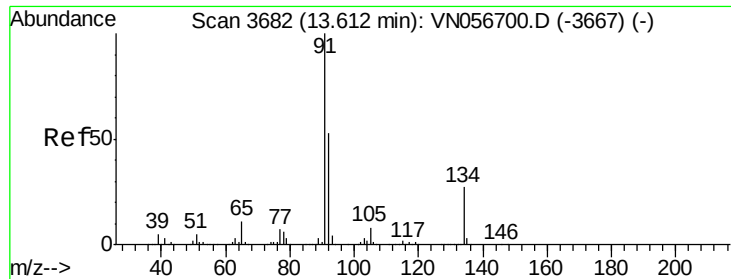
Ion Ratio Lower Upper

119 100

134 30.2 13.6 40.7

91 29.9 11.2 33.5

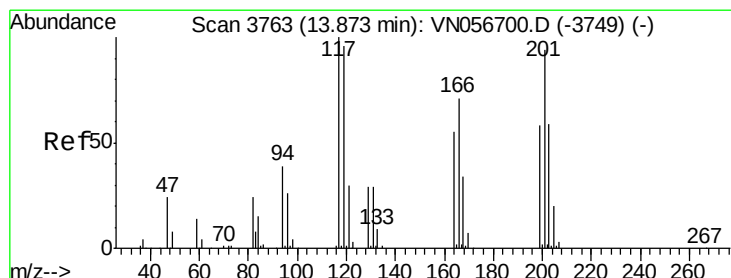
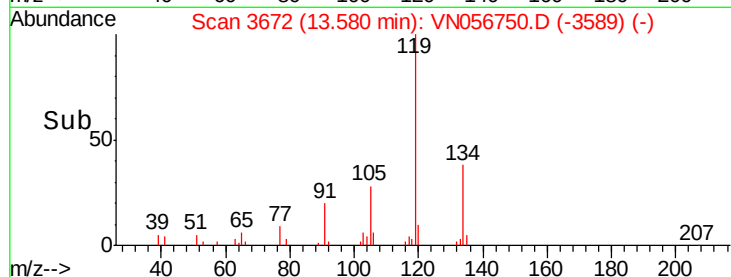
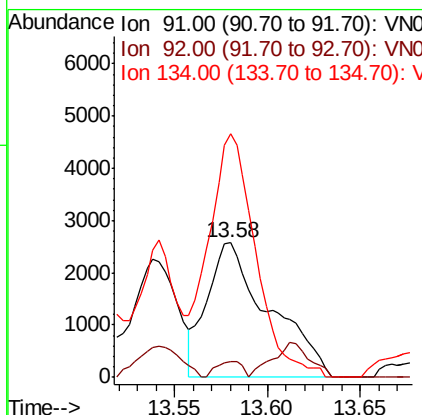
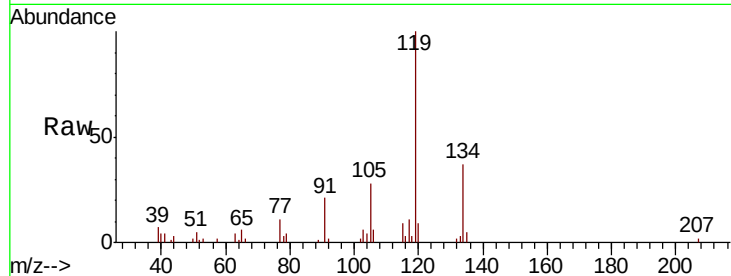




#89
n-Butylbenzene
Concen: 0.470 ug/l
RT: 13.58 min Scan# 3672
Delta R.T. -0.03 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

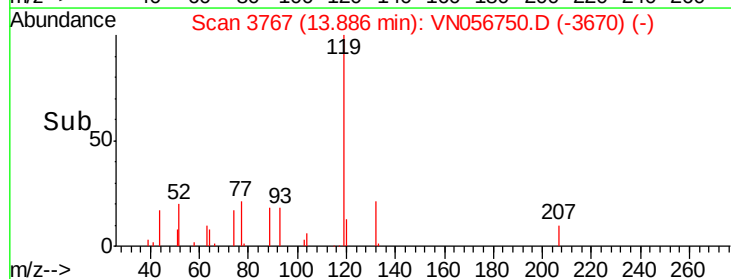
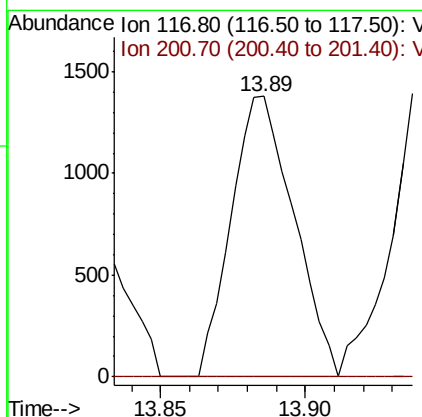
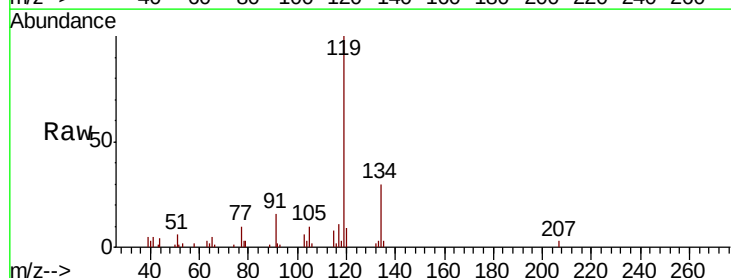
Instrument :
MSVOA_N
ClientSampleId :
SOIL-DRUM

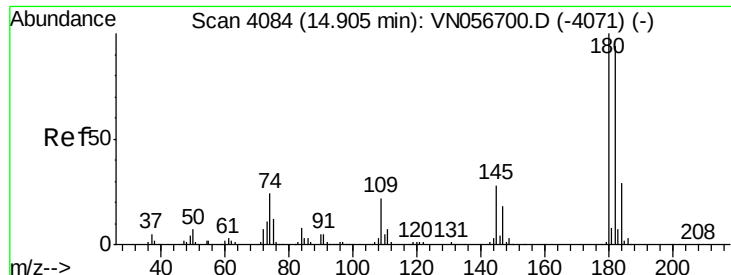
Tot Ion: 91 Resp: 6021
Ion Ratio Lower Upper
91 100
92 4.9 26.0 78.0#
134 135.5 13.4 40.2#



#90
Hexachloroethane
Concen: 0.803 ug/l
RT: 13.89 min Scan# 3767
Delta R.T. 0.01 min
Lab File: VN056750.D
Acq: 16 Jul 2019 6:46

Tgt Ion: 117 Resp: 2066
Ion Ratio Lower Upper
117 100
201 0.0 46.5 139.5#

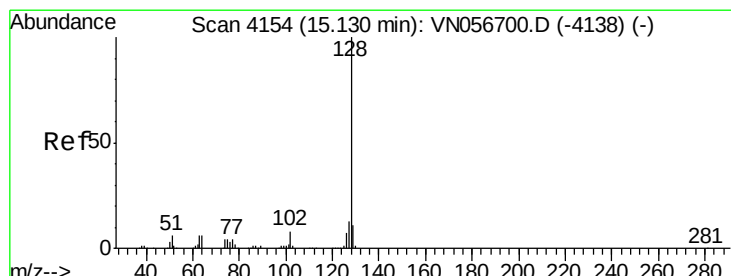
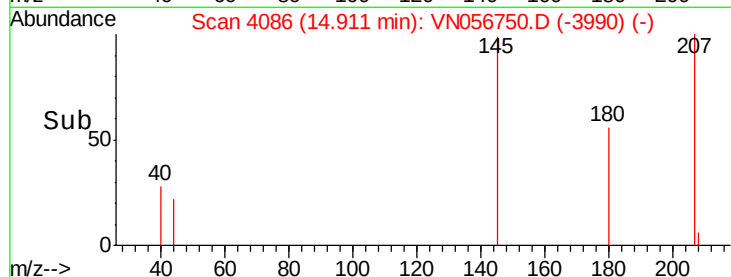
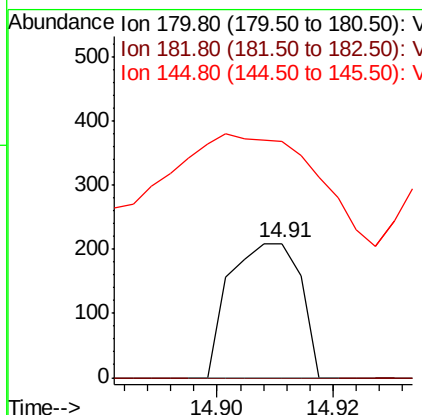
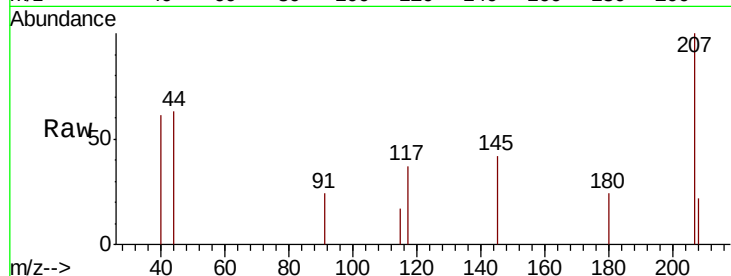




#93
 1,2,4-Trichlorobenzene
 Concen: 3.728 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN056750.D
 Acq: 16 Jul 2019 6:46

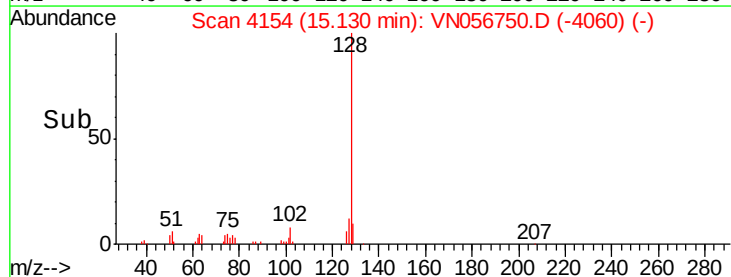
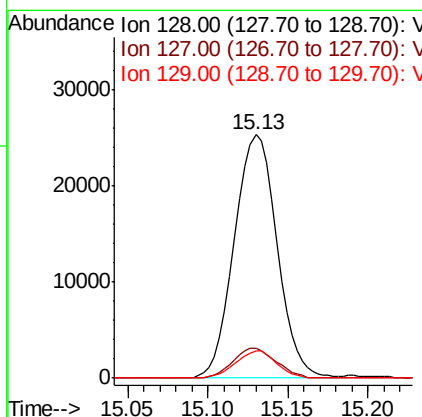
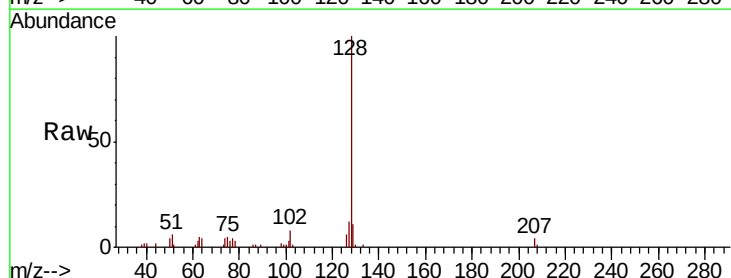
Instrument :
 MSVOA_N
 ClientSampled :
 SOIL-DRUM

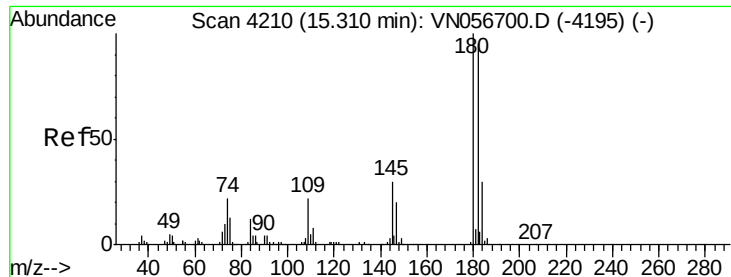
Tot Ion:180 Resp: 177
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.2 141.6#
 145 586.4 14.2 42.8#



#95
 Naphthalene
 Concen: 7.917 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN056750.D
 Acq: 16 Jul 2019 6:46

Tgt Ion:128 Resp: 46178
 Ion Ratio Lower Upper
 128 100
 127 12.2 10.3 15.5
 129 10.7 8.7 13.1

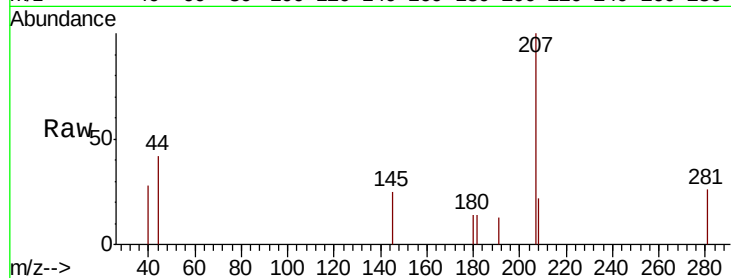




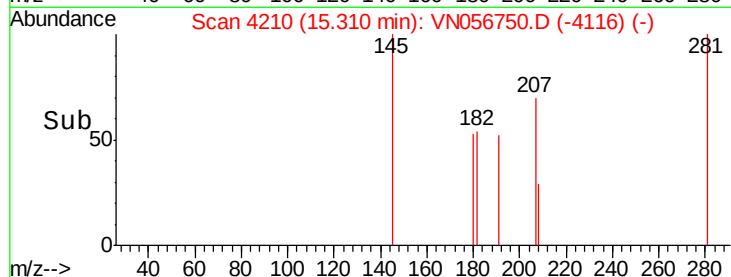
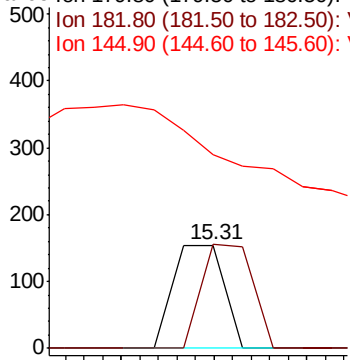
#96
 1,2,3-Trichlorobenzene
 Concen: 3.335 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. 0.00 min
 Lab File: VN056750.D
 Acq: 16 Jul 2019 6:46

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-DRUM

Tot Ion:180 Resp: 59
 Ion Ratio Lower Upper
 180 100
 182 100.0 47.1 141.3
 145 1654.2 15.0 45.1#



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



Time-->