

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081819\
 Data File : VN057367.D
 Acq On : 16 Aug 2019 20:48
 Operator : JC/SP
 Sample : K4372-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-COMPOSITE

Quant Time: Aug 17 03:46:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1113284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1544012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1298882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	364975	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	505135	41.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.48%	
35) Dibromofluoromethane	7.58	113	460687	45.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.04%	
50) Toluene-d8	10.09	98	1789647	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
62) 4-Bromofluorobenzene	12.40	95	496382	37.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.88%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.73	59	3541	2.058	ug/l #	73
16) Acetone	3.81	43	35087	8.357	ug/l	99
18) Methyl Acetate	4.31	43	19108	Below Cal		99
20) Methylene Chloride	4.55	84	148682	12.657	ug/l	98
25) 2-Butanone	6.83	43	7737	1.273	ug/l #	78
30) Chloroform	7.37	83	13480	0.676	ug/l	88
31) Cyclohexane	7.65	56	16423	0.996	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	65132	4.778	ug/l #	49
38) Carbon Tetrachloride	7.66	117	92509	6.531	ug/l #	15
43) Isopropyl Acetate	8.16	43	175246	7.626	ug/l #	85
45) 1,2-Dichloropropene	9.27	63	2790	0.260	ug/l #	44
47) Bromodichloromethane	9.40	83	2956	0.208	ug/l #	91
48) Methyl methacrylate	9.18	41	8484	0.923	ug/l #	11
51) 4-Methyl-2-Pentanone	9.98	43	12923	1.122	ug/l	97
52) Toluene	10.15	92	16088	0.620	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	71248	4.205	ug/l #	58
57) 1,3-Dichloropropane	10.76	76	9843	0.577	ug/l #	43
59) 2-Hexanone	10.76	43	122597	14.804	ug/l #	53
65) Chlorobenzene	11.43	112	14666	0.554	ug/l	94
67) Ethyl Benzene	11.51	91	41247	0.890	ug/l	96
68) m/p-Xylenes	11.62	106	55488	3.249	ug/l	100
69) o-Xylene	11.94	106	14563	0.869	ug/l	98
73) Isopropylbenzene	12.25	105	60841	Below Cal		97
74) N-aryl acetate	12.04	43	4123	0.389	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.40	83	65	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	226124	30.748	ug/l #	100
78) n-propylbenzene	12.59	91	8437	0.240	ug/l	99
79) 2-Chlorotoluene	12.78	91	1161	Below Cal		84
80) 1,3,5-Trimethylbenzene	12.73	105	12581	Below Cal		99
81) trans-1,4-Dichloro-2-buten	12.40	75	226124	75.548	ug/l #	15
83) tert-Butylbenzene	12.99	119	830	Below Cal	#	77
84) 1,2,4-Trimethylbenzene	13.04	105	23359	0.889	ug/l	95
85) sec-Butylbenzene	13.04	105	23359	Below Cal	#	55
86) p-Isopropyltoluene	13.29	119	9095	0.338	ug/l	93

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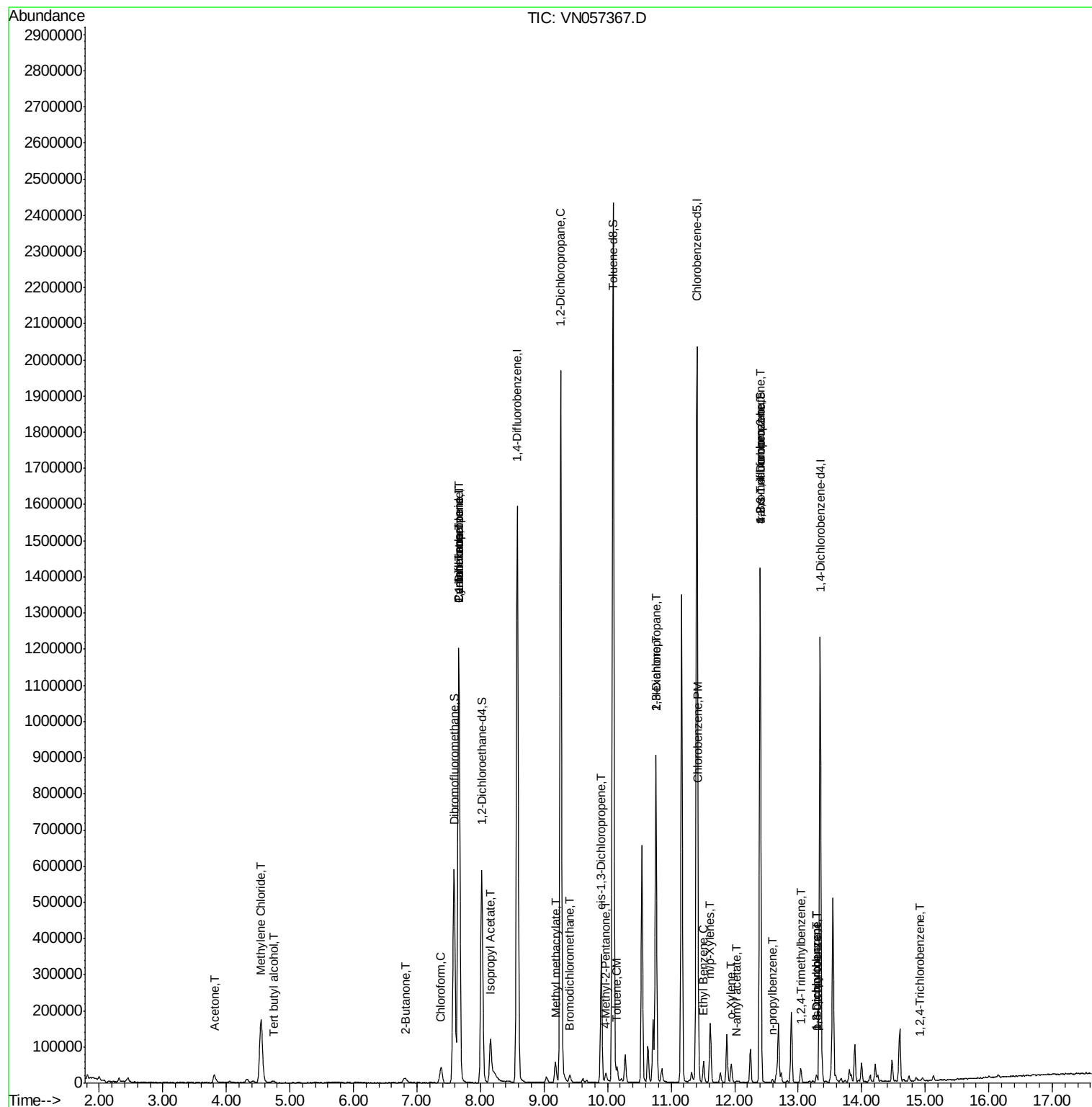
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	13.28	146	3084	0.241	ug/l	80
88) 1,4-Dichlorobenzene	13.28	146	3084	0.254	ug/l	82
90) Hexachloroethane	13.90	117	5547	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	783	5.503	ug/l #	86
94) Hexachlorobutadiene	15.00	225	280	Below Cal	#	45
95) Naphthalene	15.13	128	12625	Below Cal		97
96) 1,2,3-Trichlorobenzene	15.29	180	701	Below Cal		60

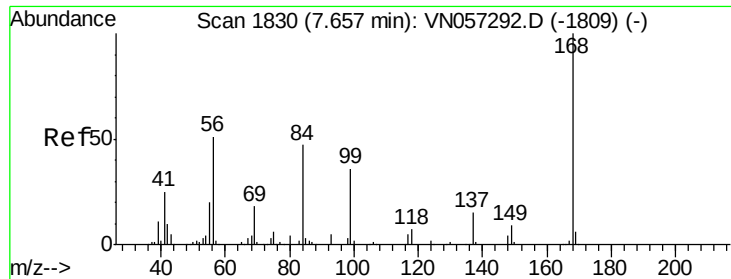
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN081819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057367.D

Acq: 16 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

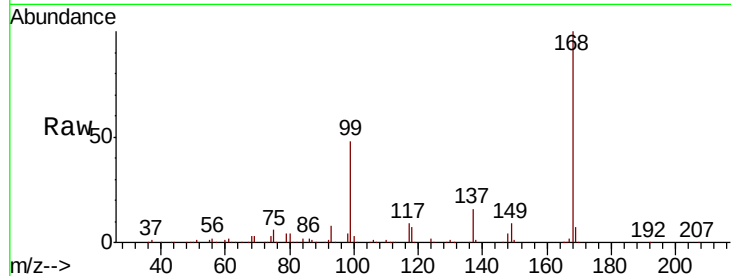
SOIL-COMPOSITE

Tgt Ion:168 Resp: 1113284

Ion Ratio Lower Upper

168 100

99 47.5 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

400000

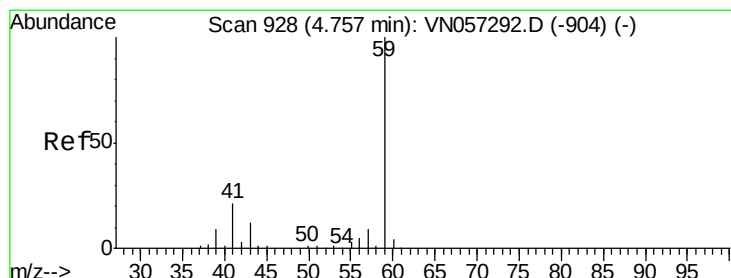
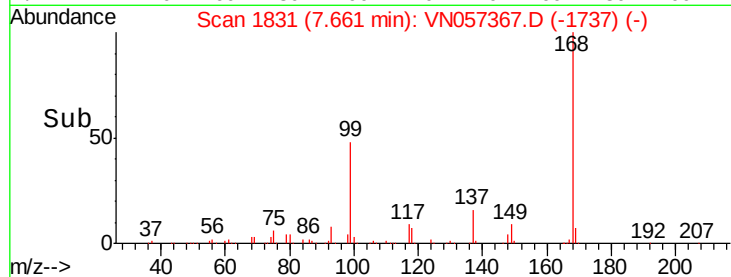
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.058 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.02 min

Lab File: VN057367.D

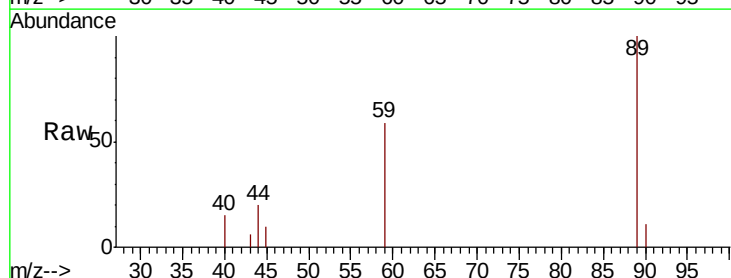
Acq: 16 Aug 2019 20:48

Tgt Ion: 59 Resp: 3541

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.73

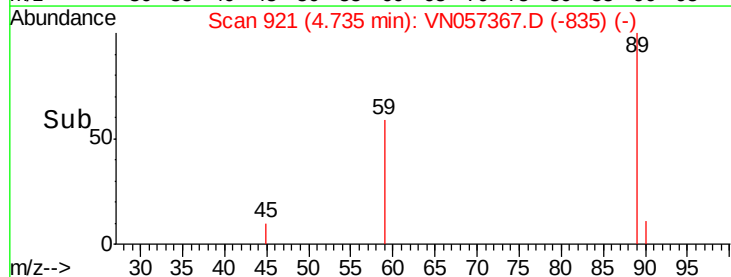
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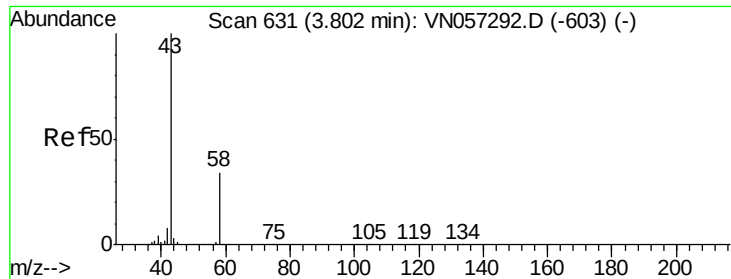
1000

500

0

Time-->

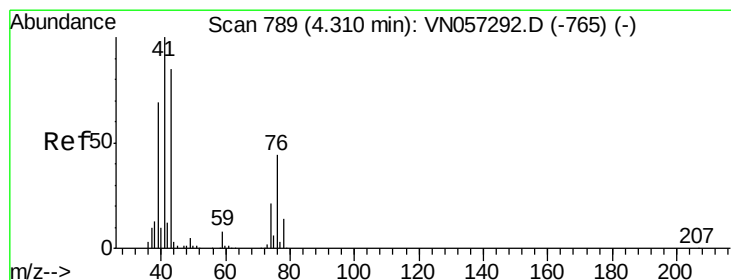
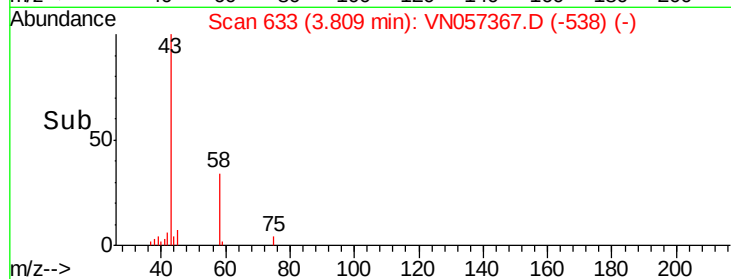
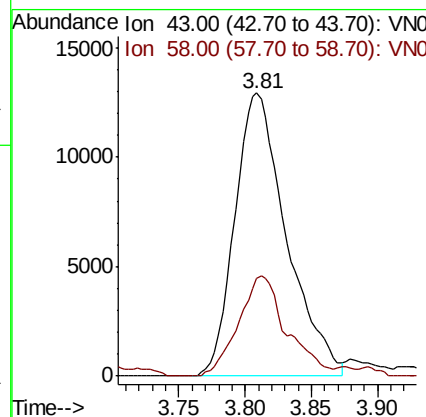
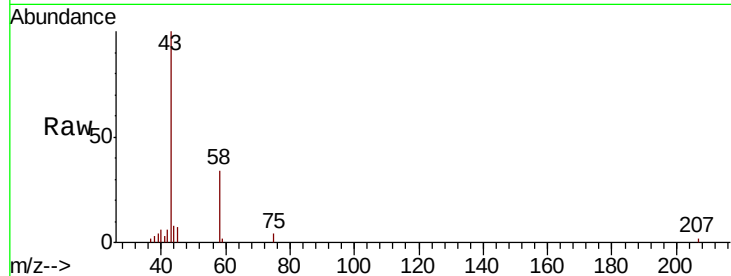




#16
Acetone
Concen: 8.357 ug/l
RT: 3.81 min Scan# 633
Delta R.T. 0.01 min
Lab File: VN057367.D
Acq: 16 Aug 2019 20:48

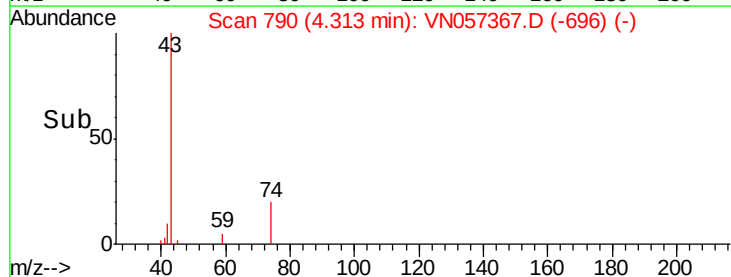
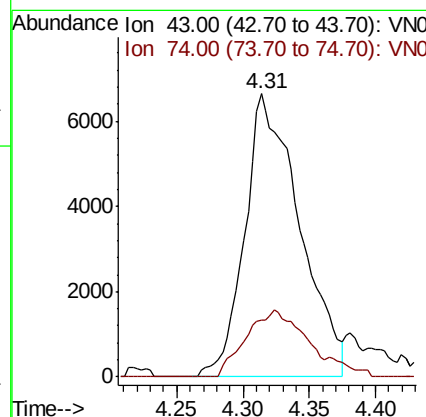
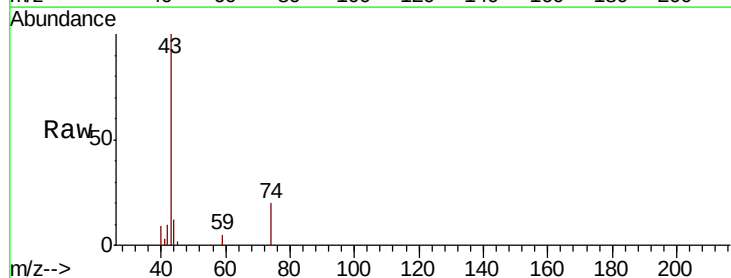
Instrument :
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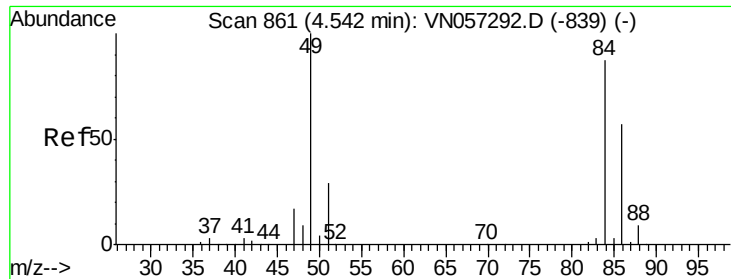
Tgt Ion: 43 Resp: 35087
Ion Ratio Lower Upper
43 100
58 34.4 27.0 40.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057367.D
Acq: 16 Aug 2019 20:48

Tgt Ion: 43 Resp: 19108
Ion Ratio Lower Upper
43 100
74 24.7 20.2 30.2

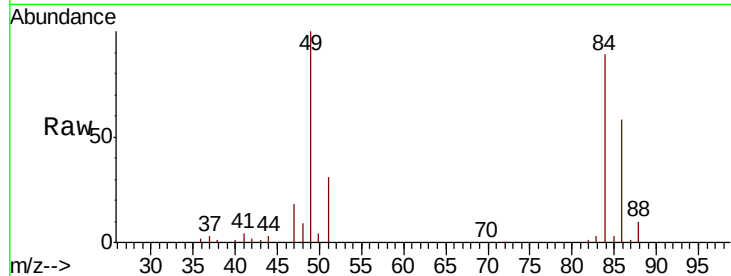




#20
Methylene Chloride
Concen: 12.657 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.01 min
Lab File: VN057367.D
Acq: 16 Aug 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
SOIL-COMPOSITE

Tgt Ion:	84	Resp:	148682
Ion	Ratio	Lower	Upper
84	100		
49	112.2	92.0	138.0
51	34.9	27.1	40.7
86	65.5	52.2	78.2



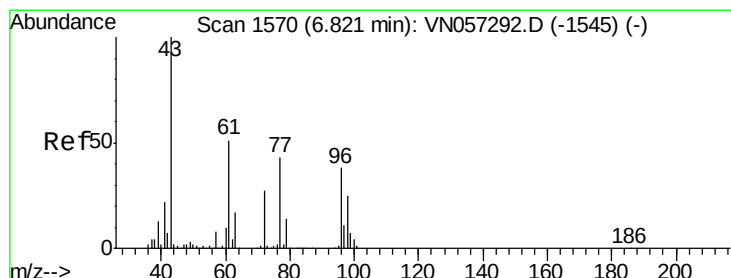
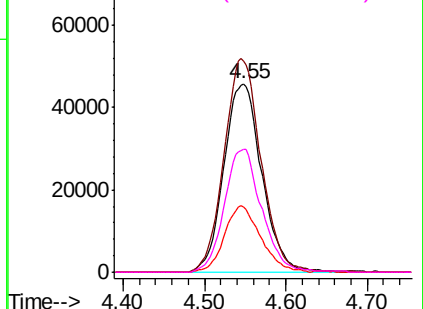
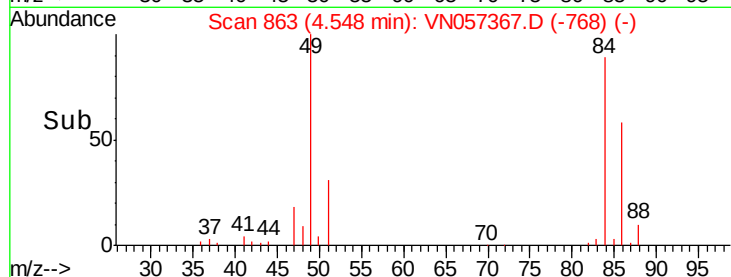
Abundance

Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

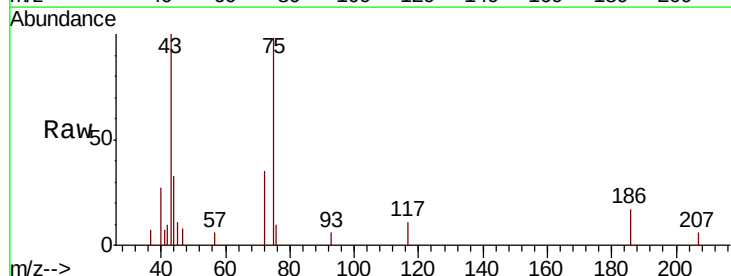
Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25
2-Butanone
Concen: 1.273 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VN057367.D
Acq: 16 Aug 2019 20:48

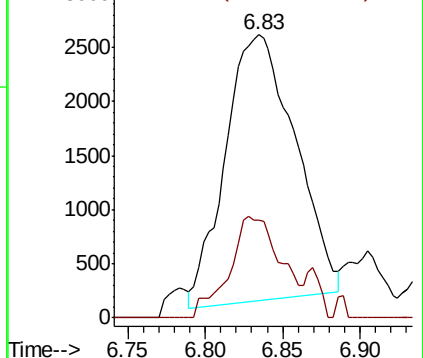
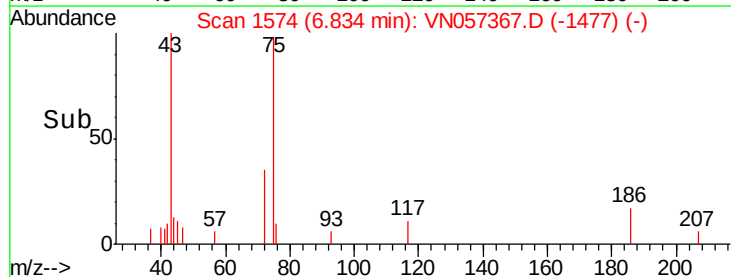
Tgt Ion:	43	Resp:	7737
Ion	Ratio	Lower	Upper
43	100		
72	38.2	21.5	32.3#

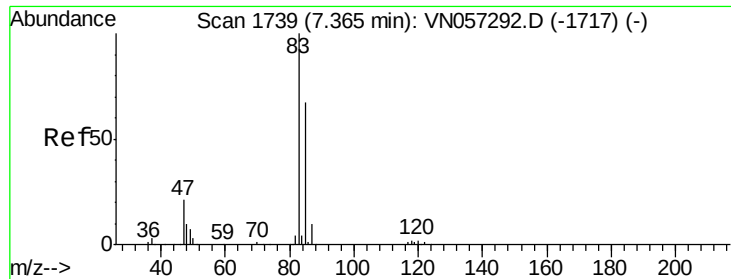


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

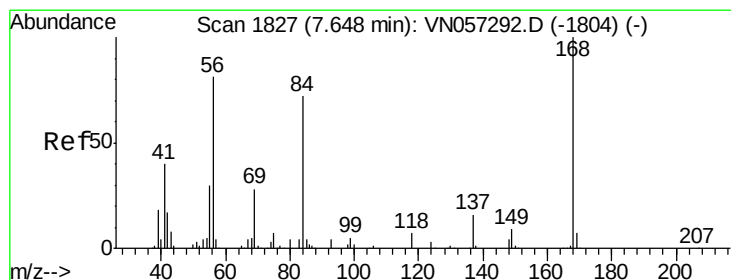
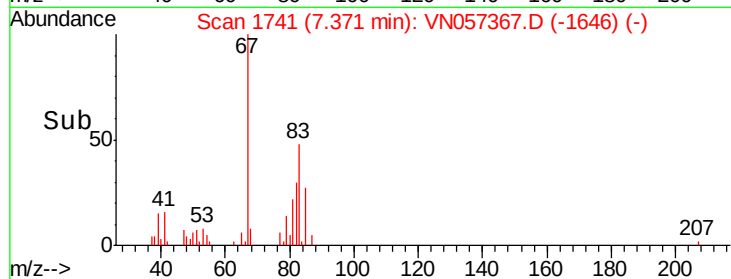
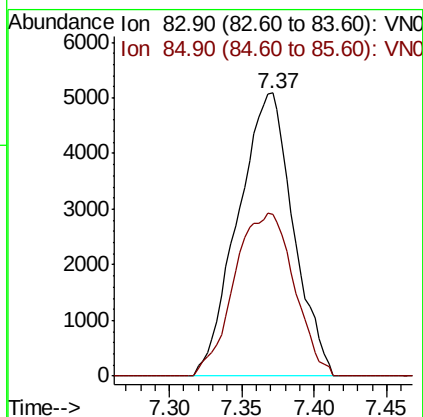
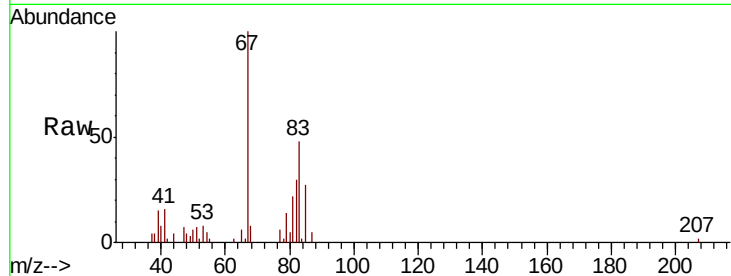




#30
Chloroform
Concen: 0.676 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VN057367.D
Acq: 16 Aug 2019 20:48

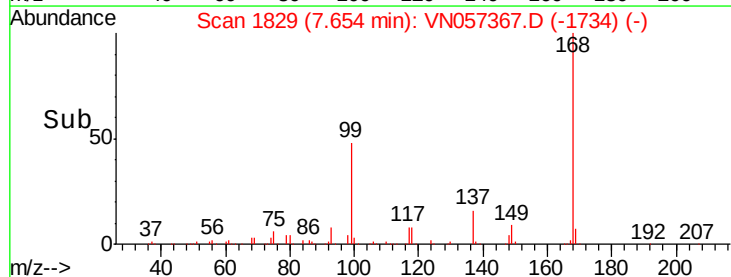
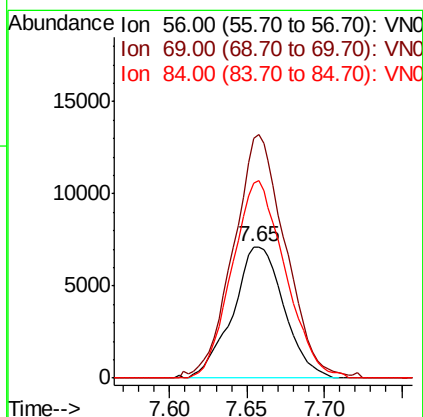
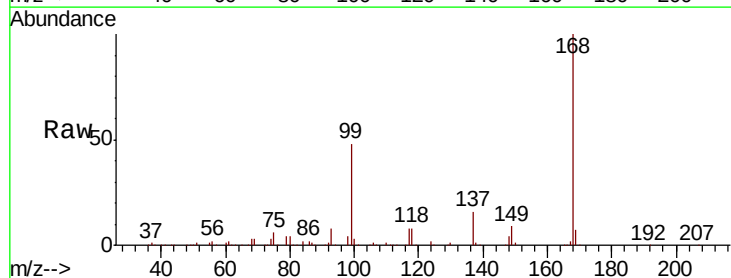
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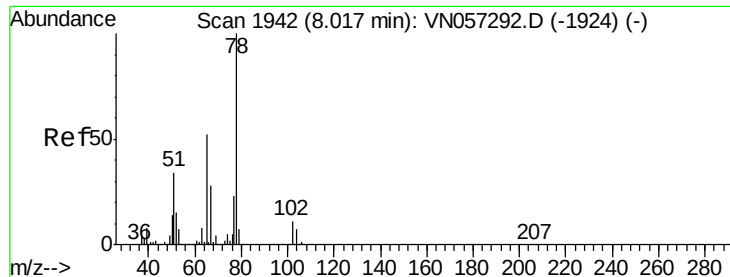
Tgt Ion: 83 Resp: 13480
Ion Ratio Lower Upper
83 100
85 57.1 53.3 79.9



#31
Cyclohexane
Concen: 0.996 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN057367.D
Acq: 16 Aug 2019 20:48

Tgt Ion: 56 Resp: 16423
Ion Ratio Lower Upper
56 100
69 178.7 27.3 40.9#
84 148.1 71.0 106.6#

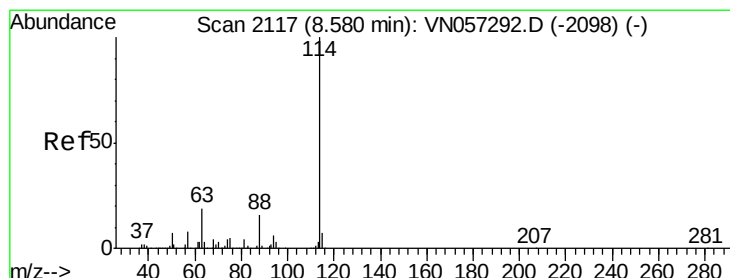
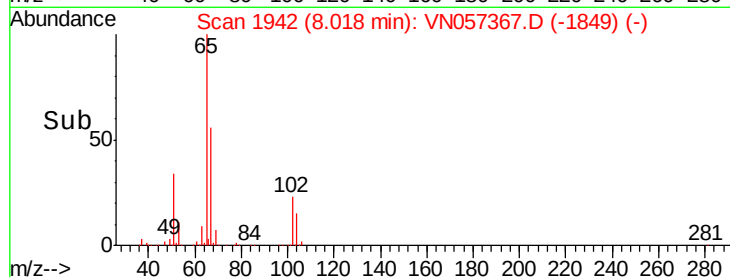
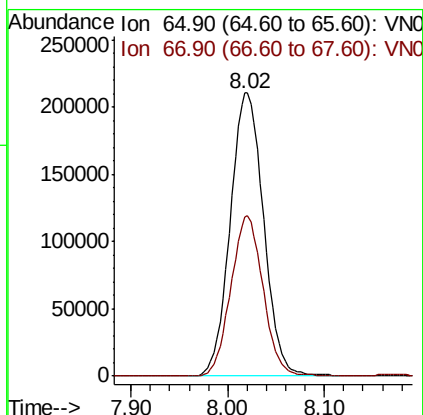
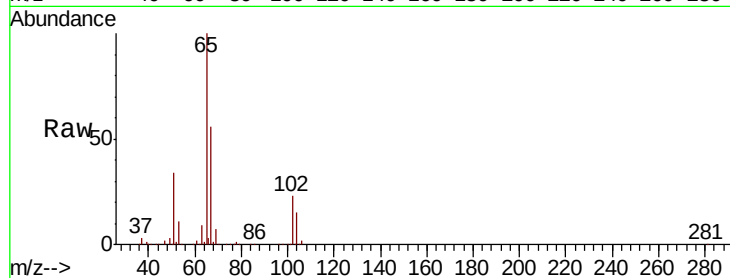




#33
 1,2-Dichloroethane-d4
 Concen: 41.738 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057367.D
 Acq: 16 Aug 2019 20:48

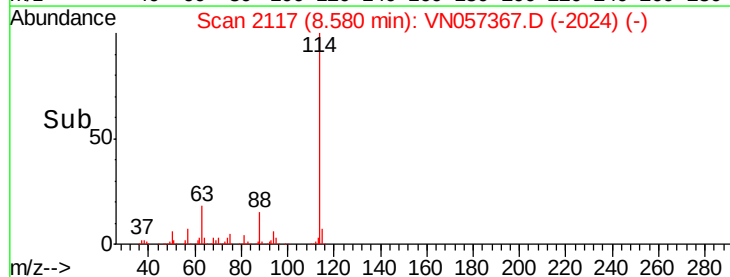
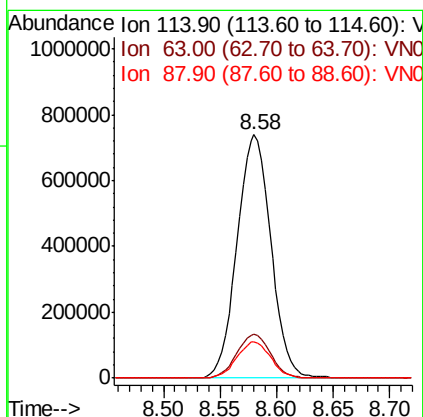
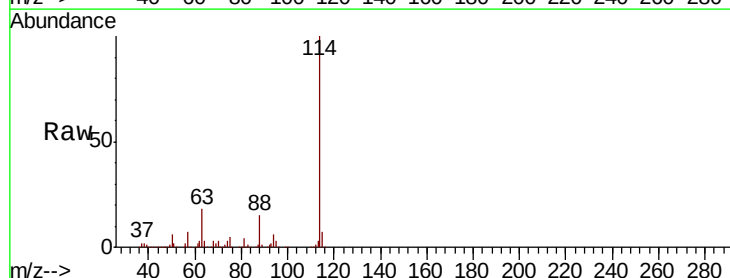
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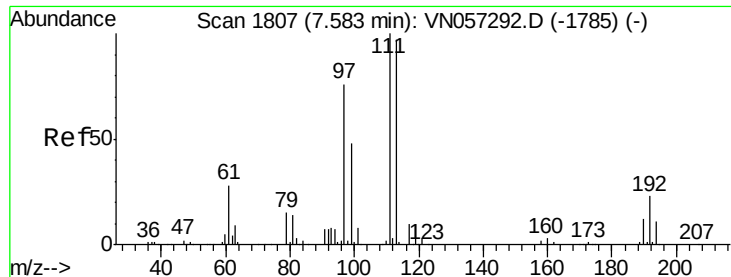
Tgt Ion: 65 Resp: 505135
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057367.D
 Acq: 16 Aug 2019 20:48

Tgt Ion: 114 Resp: 1544012
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 38.8
 88 15.1 0.0 31.4

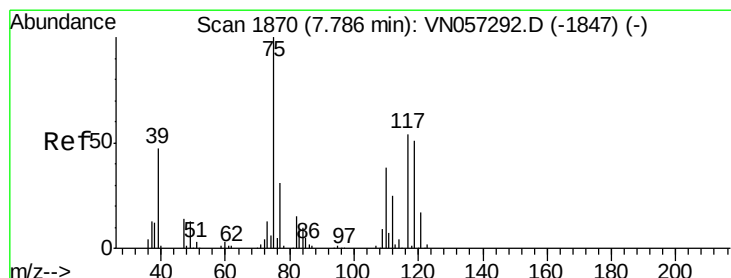
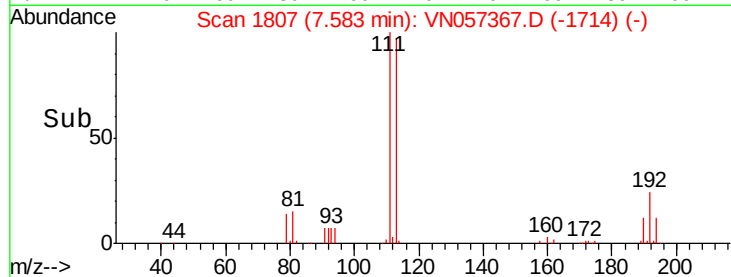
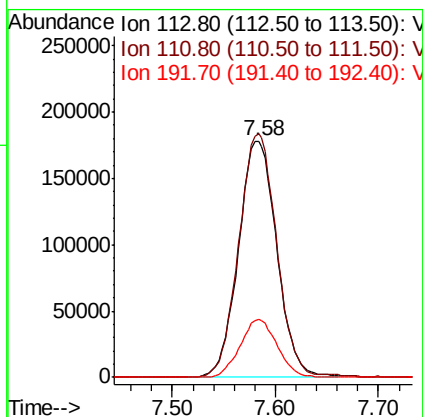
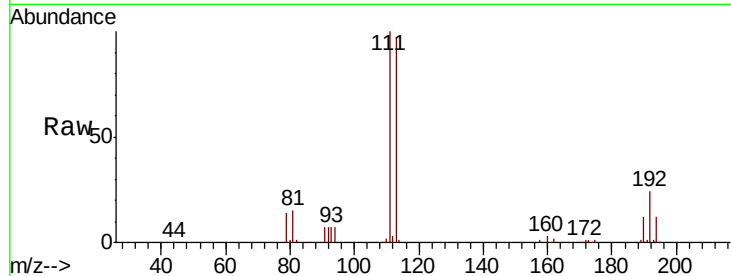




#35
 Dibromofluoromethane
 Concen: 45.517 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057367.D
 Acq: 16 Aug 2019 20:48

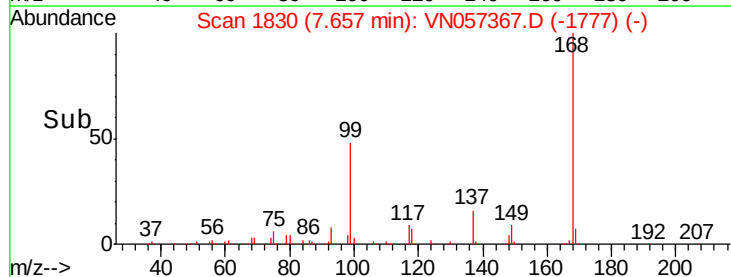
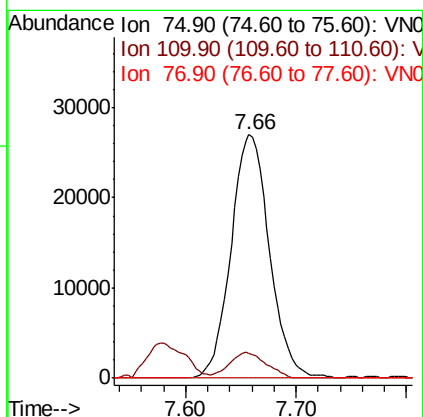
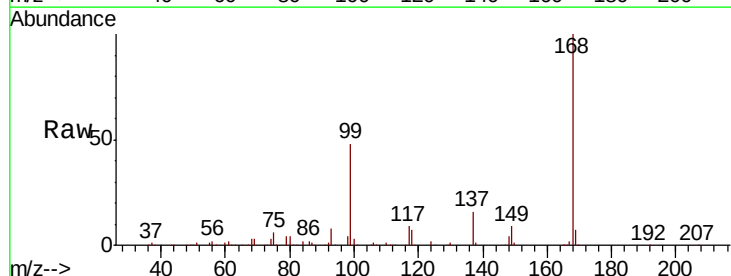
Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-COMPOSITE

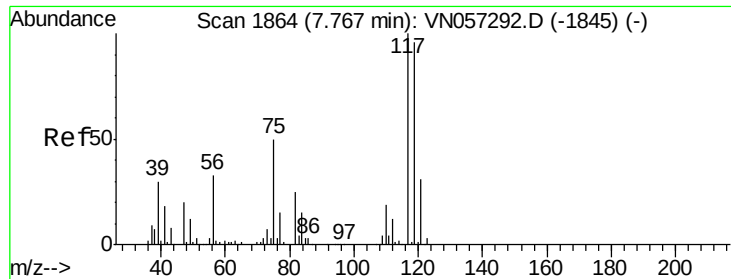
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	460687		
111	102.3		82.1	123.1
192	23.9		19.3	28.9



#36
 1,1-Dichloropropene
 Concen: 4.778 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN057367.D
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Tgt Ion	Ratio	Resp	Lower	Upper
75	100	65132		
110	10.2		19.5	58.5#
77	0.0		25.0	37.6#





#38

Carbon Tetrachloride

Concen: 6.531 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN057367.D

Acq: 16 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

SOIL-COMPOSITE

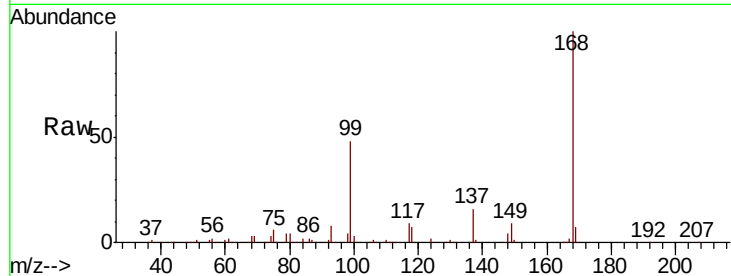
Tgt Ion:117 Resp: 92509

Ion Ratio Lower Upper

117 100

119 4.3 76.8 115.2#

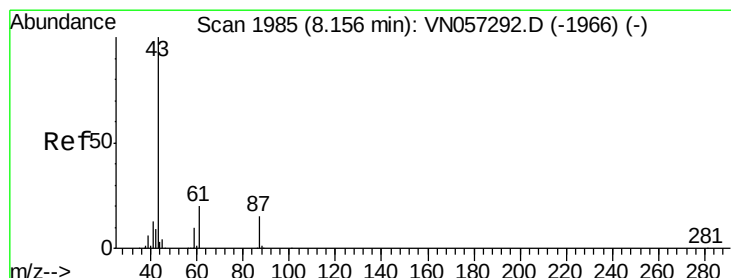
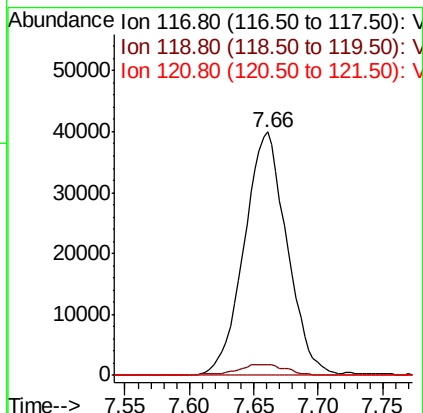
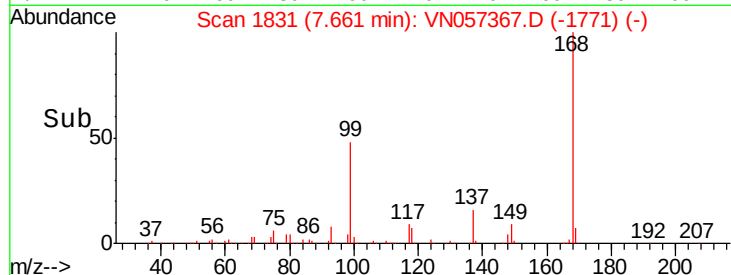
121 0.0 25.0 37.4#



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: 7.626 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057367.D

Acq: 16 Aug 2019 20:48

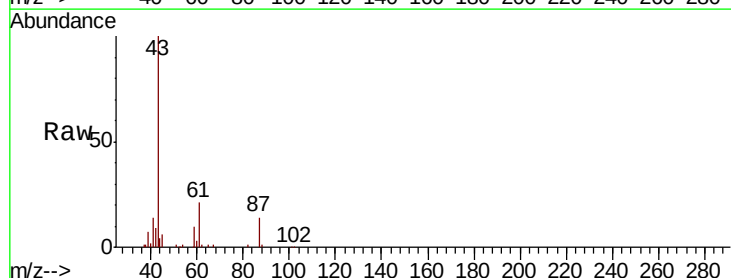
Tgt Ion: 43 Resp: 175246

Ion Ratio Lower Upper

43 100

61 16.8 21.6 32.4#

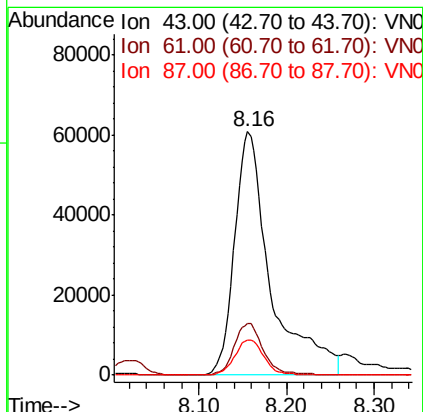
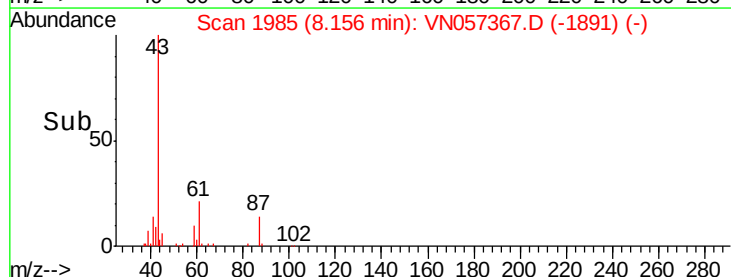
87 11.5 11.4 17.0

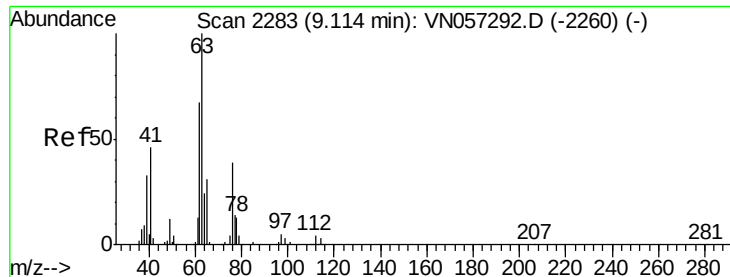


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

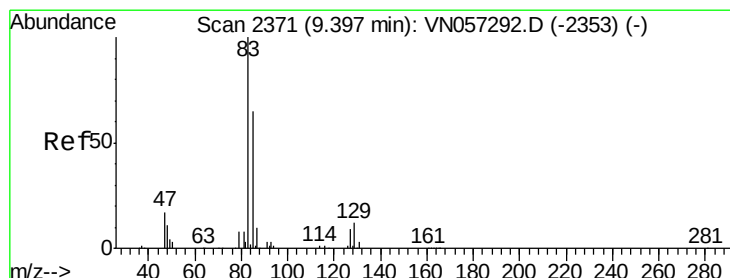
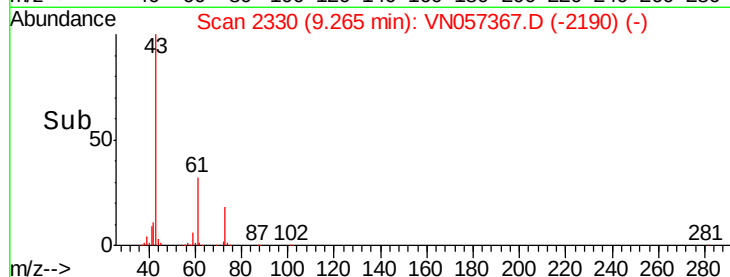
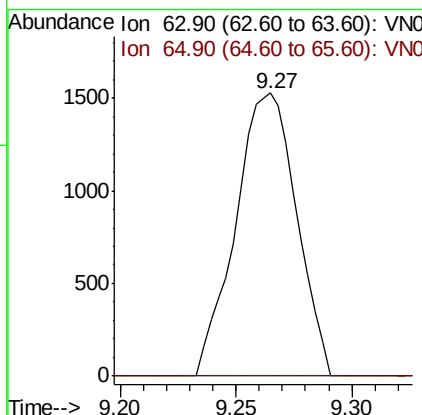
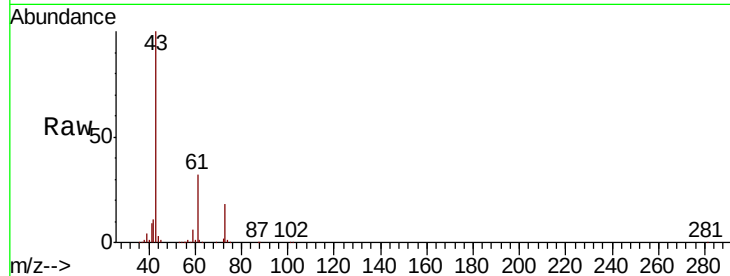




#45
 1,2-Dichloropropane
 Concen: 0.260 ug/l
 RT: 9.27 min Scan# 2330
 Delta R.T. 0.15 min
 Lab File: VN057367.D
 Acq: 16 Aug 2019 20:48

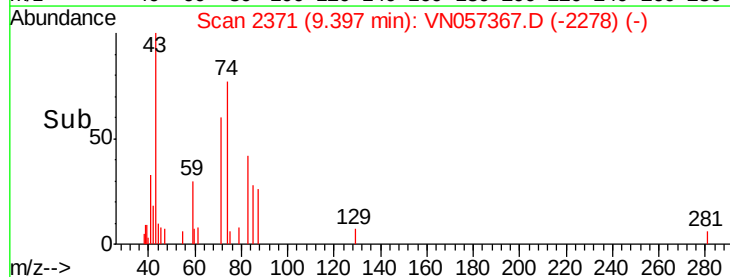
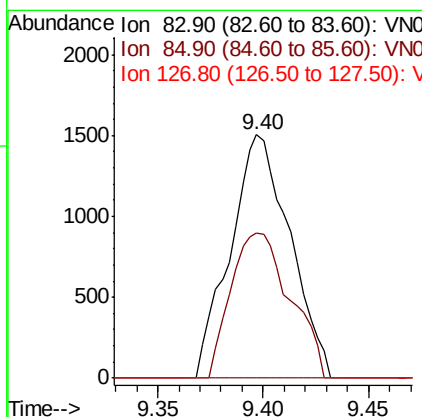
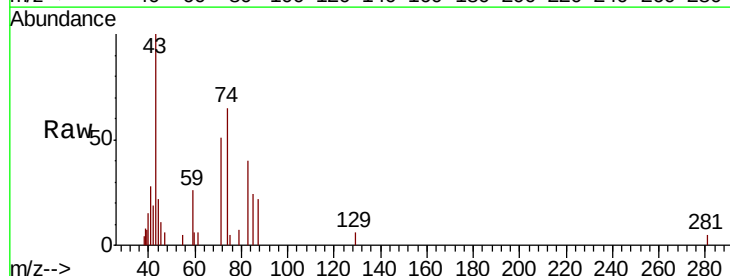
Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-COMPOSITE

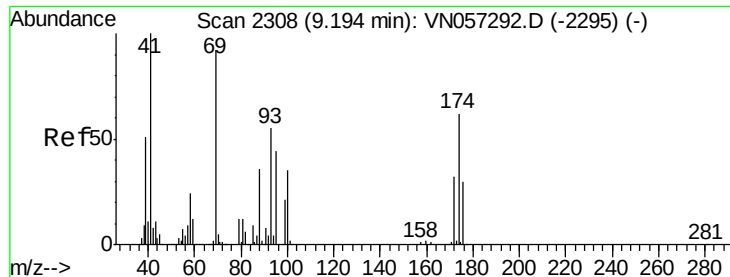
Tgt Ion: 63 Resp: 2790
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.8 37.2#



#47
 Bromodichloromethane
 Concen: 0.208 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN057367.D
 Acq: 16 Aug 2019 20:48

Tgt Ion: 83 Resp: 2956
 Ion Ratio Lower Upper
 83 100
 85 59.8 51.9 77.9
 127 0.0 7.2 10.8#

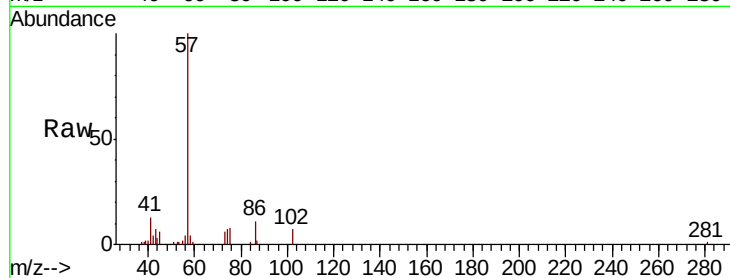




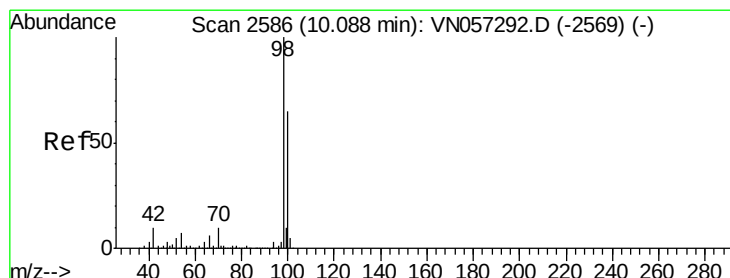
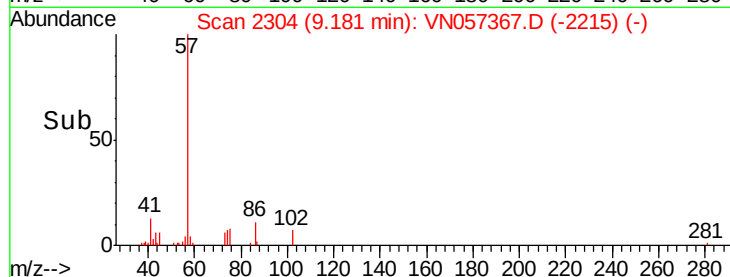
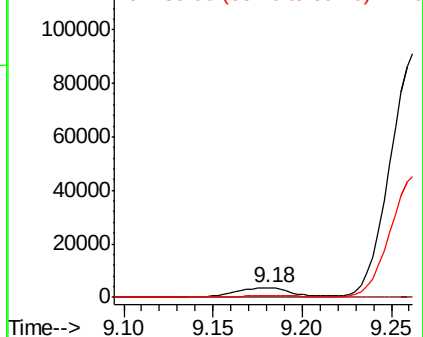
#48
Methyl methacrylate
Concen: 0.923 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.01 min
Lab File: VN057367.D
Acq: 16 Aug 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
SOIL-COMPOSITE

Tgt Ion: 41 Resp: 8484
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 42.3 63.5#

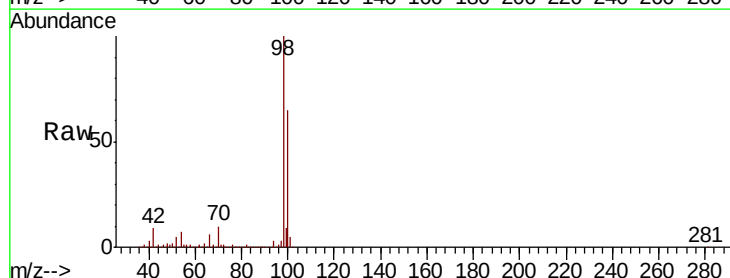


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

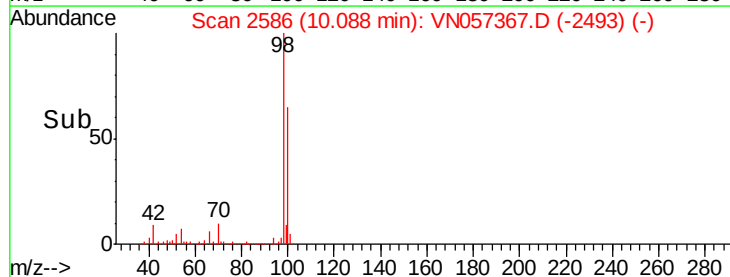
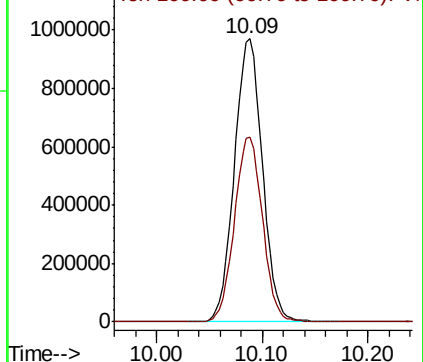


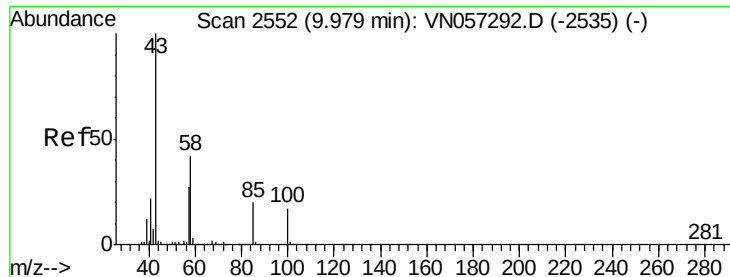
#50
Toluene-d8
Concen: 48.344 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057367.D
Acq: 16 Aug 2019 20:48

Tgt Ion: 98 Resp: 1789647
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

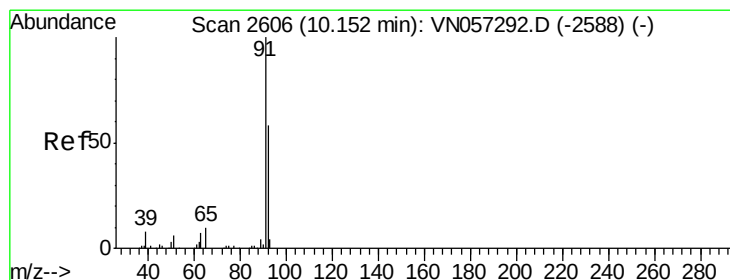
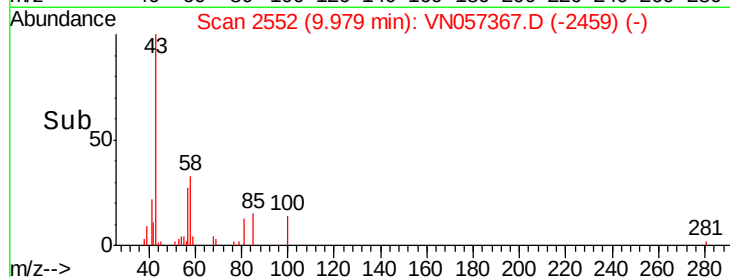
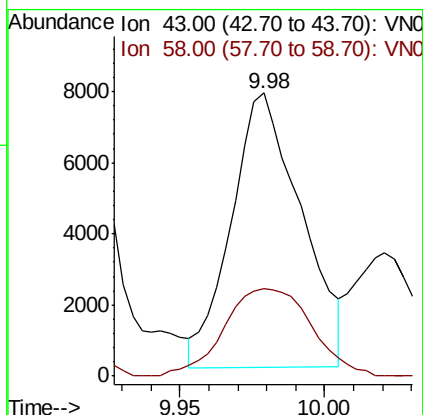
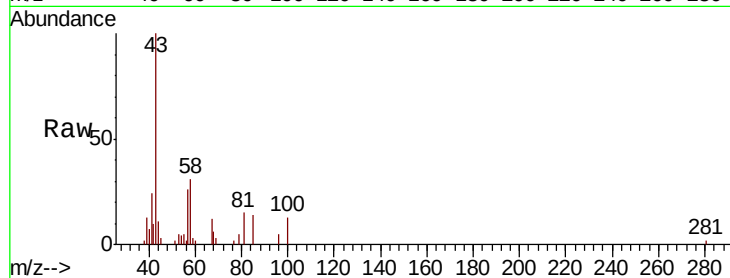




#51
 4-Methyl-2-Pentanone
 Concen: 1.122 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN057367.D
 Acq: 16 Aug 2019 20:48

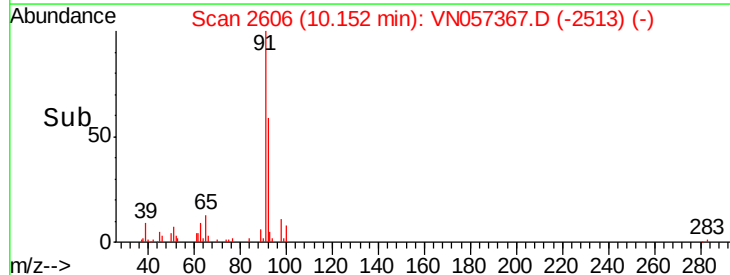
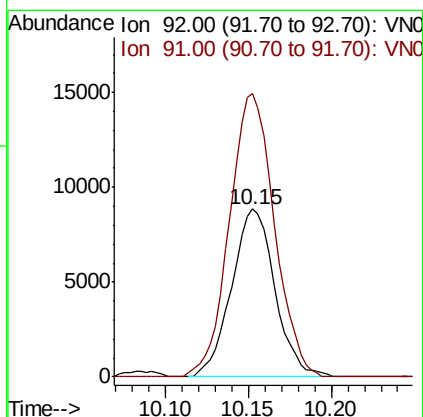
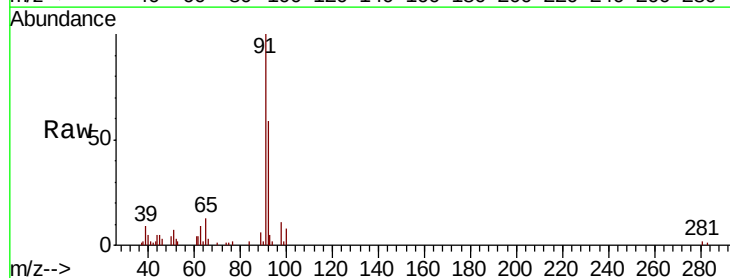
Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-COMPOSITE

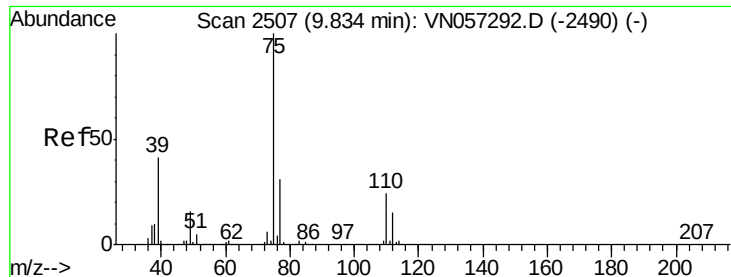
Tgt Ion: 43 Resp: 12923
 Ion Ratio Lower Upper
 43 100
 58 39.8 33.2 49.8



#52
 Toluene
 Concen: 0.620 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN057367.D
 Acq: 16 Aug 2019 20:48

Tgt Ion: 92 Resp: 16088
 Ion Ratio Lower Upper
 92 100
 91 174.5 138.9 208.3

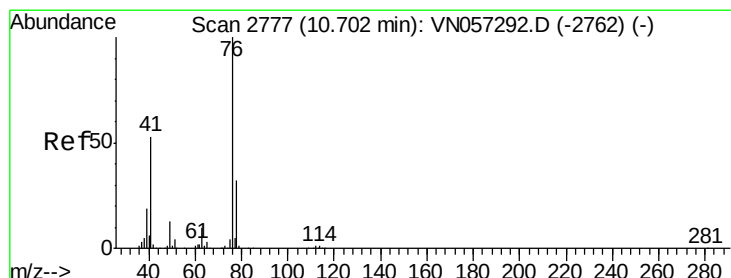
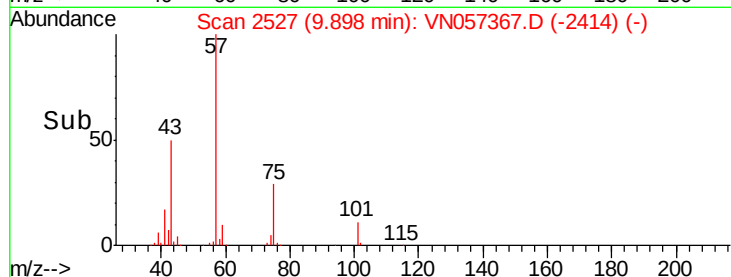
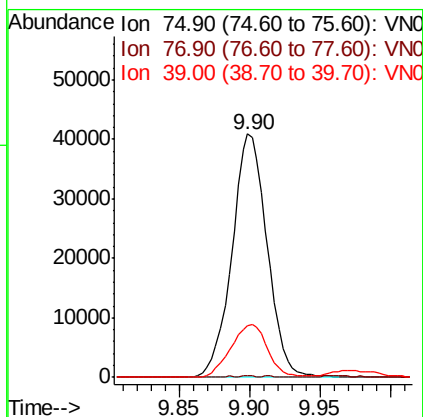
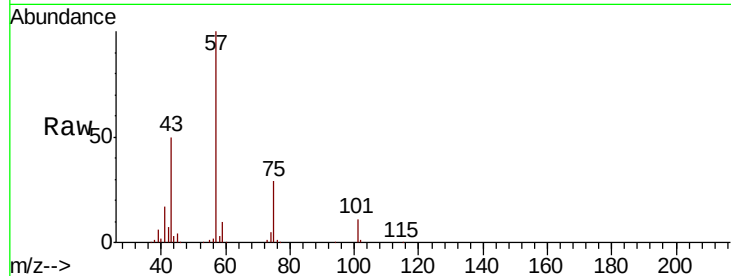




#54
 cis-1,3-Dichloropropene
 Concen: 4.205 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.06 min
 Lab File: VN057367.D
 Acq: 16 Aug 2019 20:48

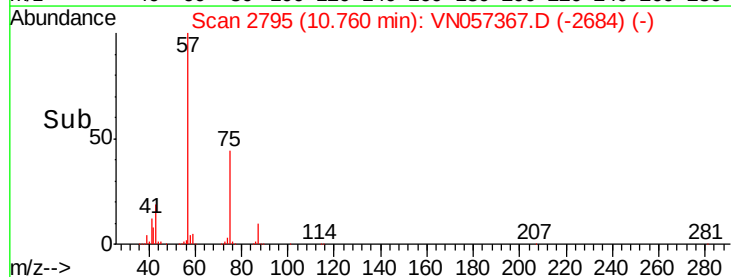
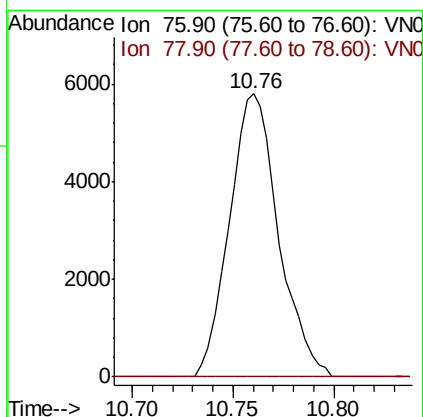
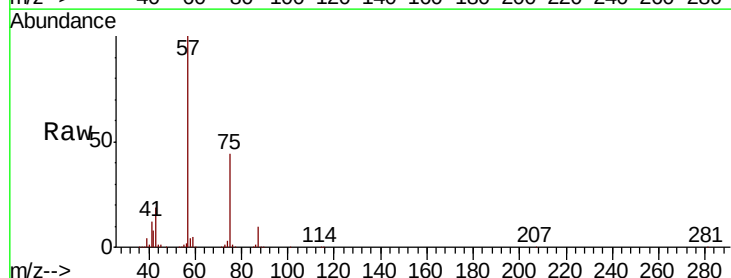
Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-COMPOSITE

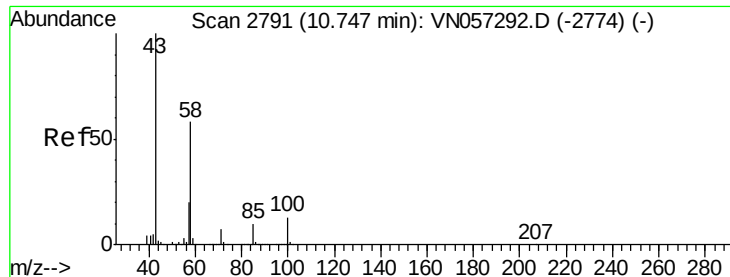
Tgt Ion: 75 Resp: 71248
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.9 37.3#
 39 21.2 32.7 49.1#



#57
 1,3-Dichloropropane
 Concen: 0.577 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.06 min
 Lab File: VN057367.D
 Acq: 16 Aug 2019 20:48

Tgt Ion: 76 Resp: 9843
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

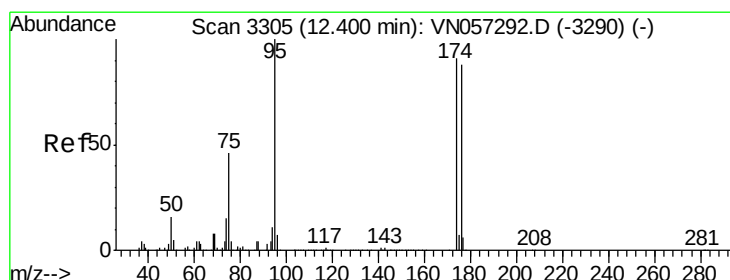
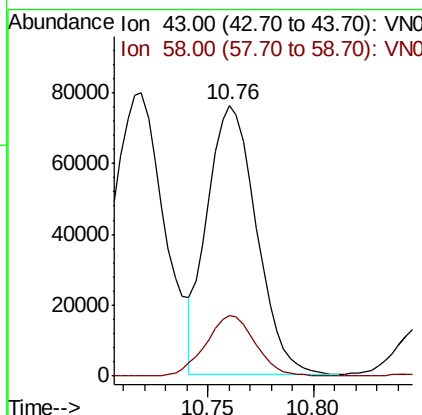
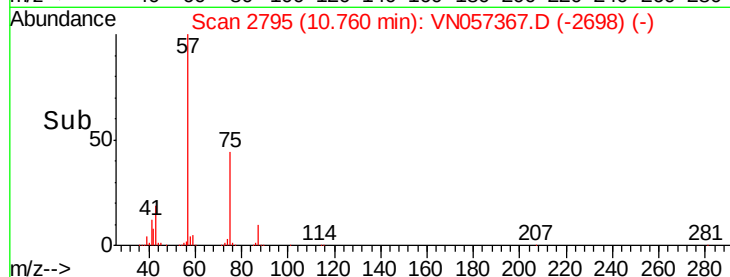
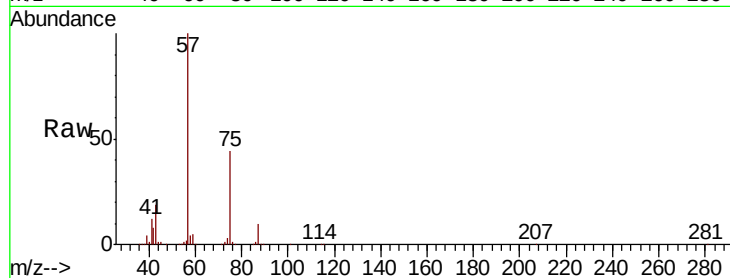




#59
2-Hexanone
Concen: 14.804 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN057367.D
Acq: 16 Aug 2019 20:48

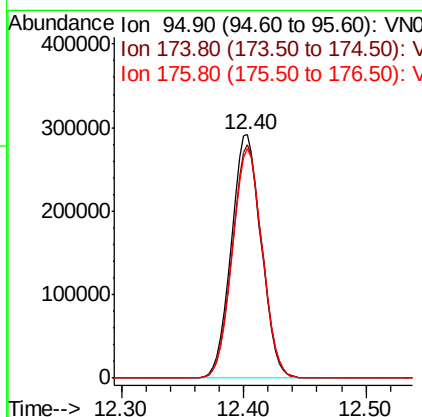
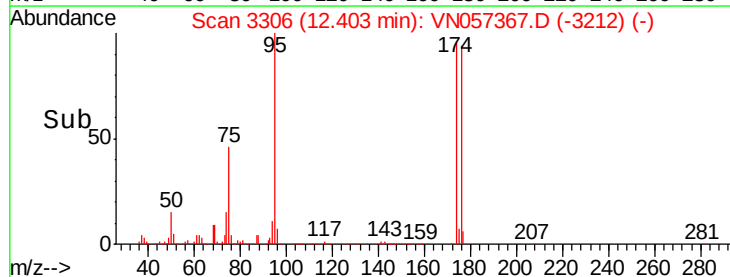
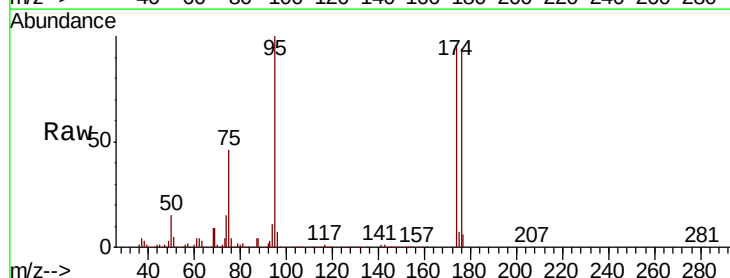
Instrument :
MSVOA_N
ClientSampleId :
SOIL-COMPOSITE

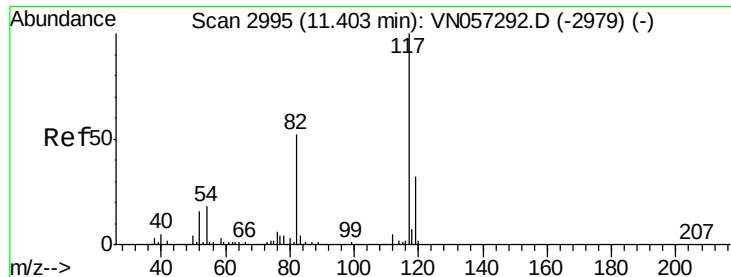
Tgt Ion: 43 Resp: 122597
Ion Ratio Lower Upper
43 100
58 22.8 28.6 85.9#



#62
4-Bromofluorobenzene
Concen: 37.943 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057367.D
Acq: 16 Aug 2019 20:48

Tgt Ion: 95 Resp: 496382
Ion Ratio Lower Upper
95 100
174 95.4 0.0 185.0
176 94.0 0.0 181.0

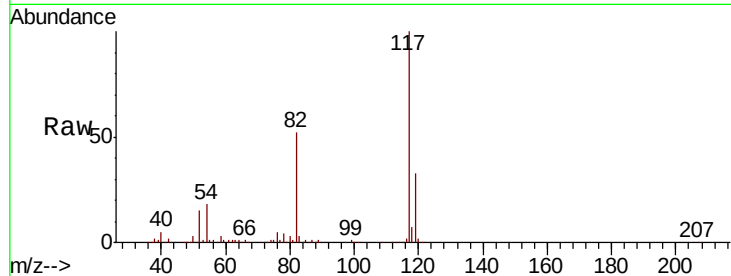




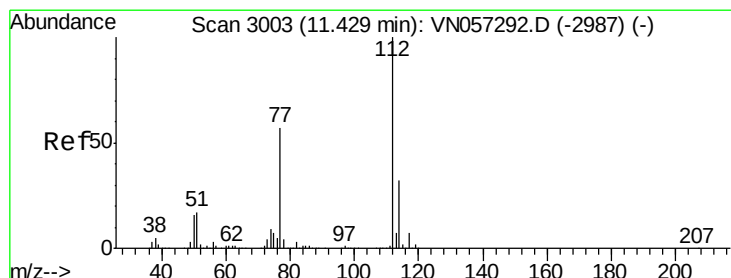
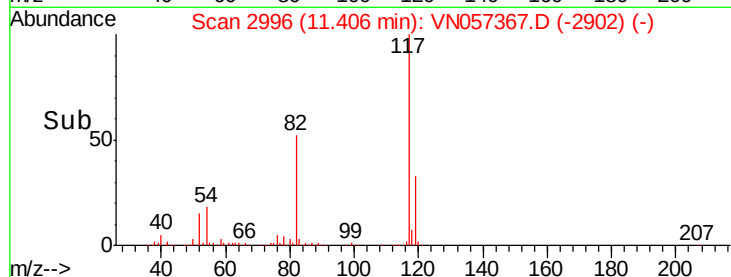
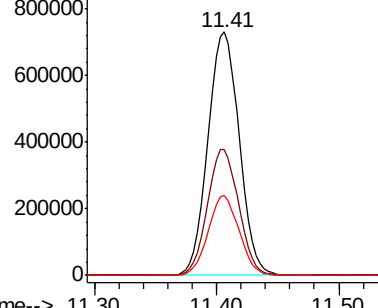
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057367.D
Acq: 16 Aug 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
SOIL-COMPOSITE

Tgt Ion:117 Resp: 1298882
Ion Ratio Lower Upper
117 100
82 51.9 41.2 61.8
119 32.7 25.8 38.8

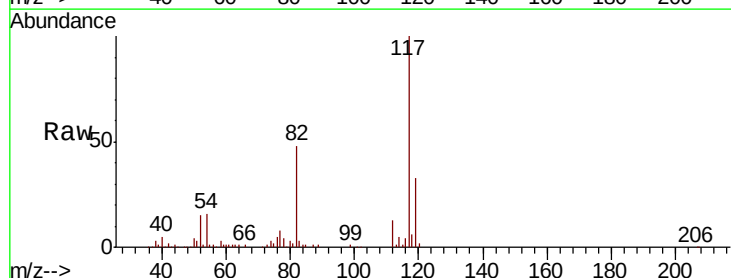


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

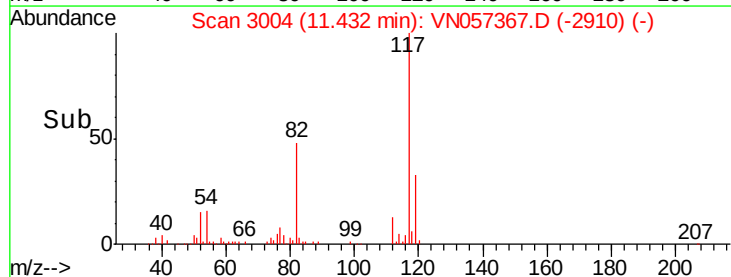
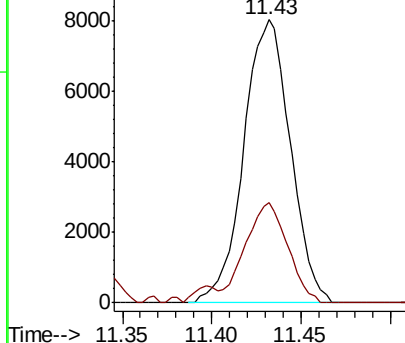


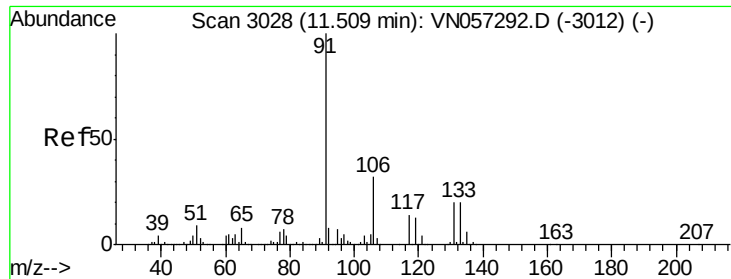
#65
Chlorobenzene
Concen: 0.554 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057367.D
Acq: 16 Aug 2019 20:48

Tgt Ion:112 Resp: 14666
Ion Ratio Lower Upper
112 100
114 35.3 25.7 38.5



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

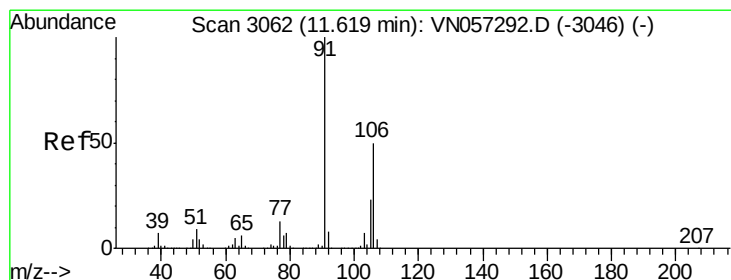
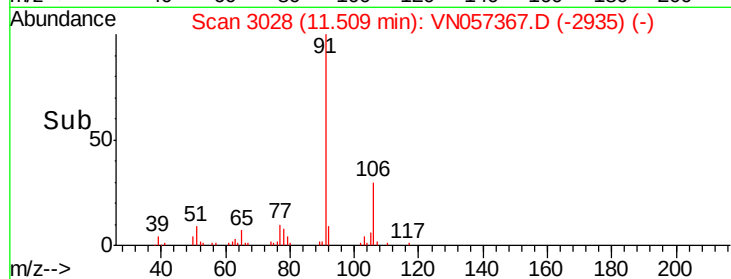
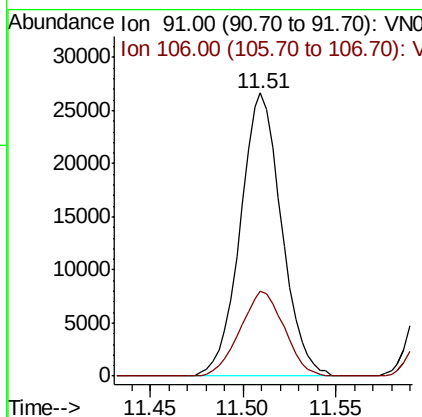
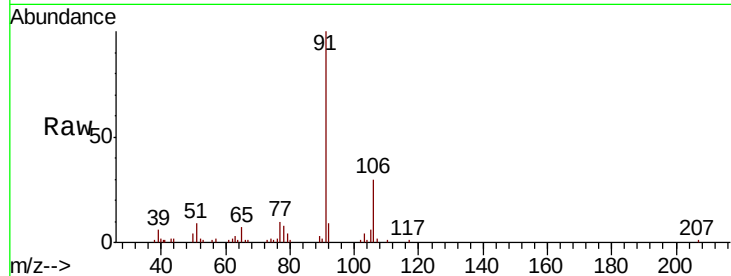




#67
 Ethyl Benzene
 Concen: 0.890 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN057367.D
 Acq: 16 Aug 2019 20:48

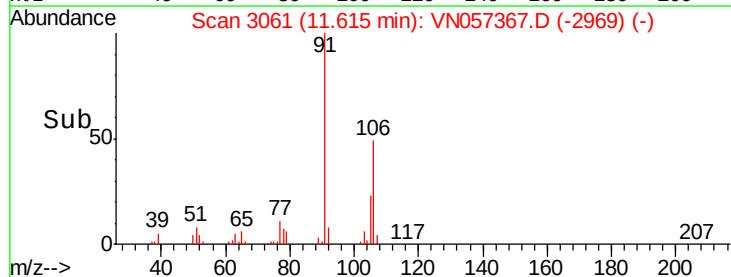
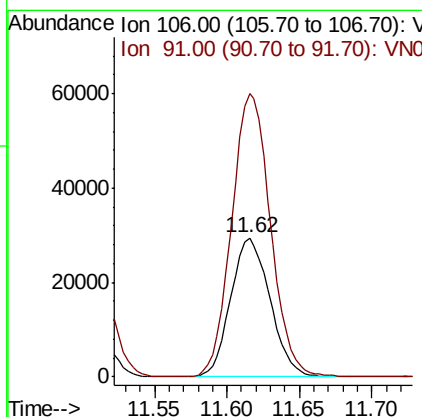
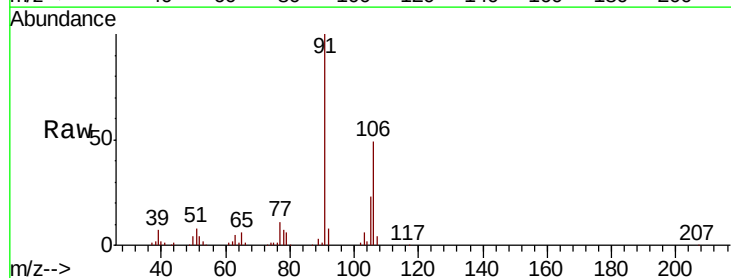
Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-COMPOSITE

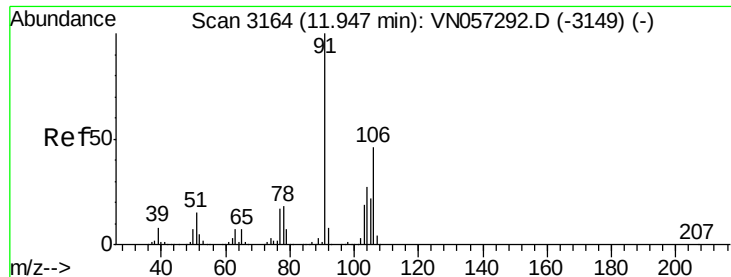
Tgt Ion: 91 Resp: 41247
 Ion Ratio Lower Upper
 91 100
 106 29.9 25.5 38.3



#68
 m/p-Xylenes
 Concen: 3.249 ug/l
 RT: 11.62 min Scan# 3061
 Delta R.T. -0.00 min
 Lab File: VN057367.D
 Acq: 16 Aug 2019 20:48

Tgt Ion: 106 Resp: 55488
 Ion Ratio Lower Upper
 106 100
 91 201.3 161.5 242.3

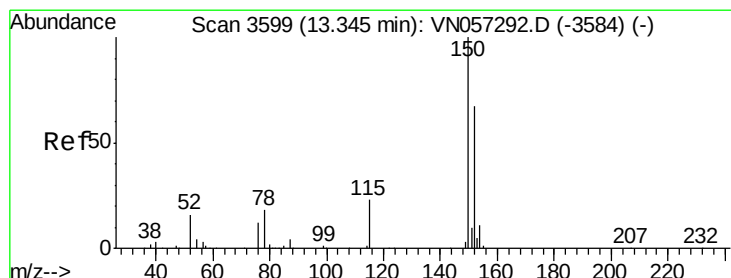
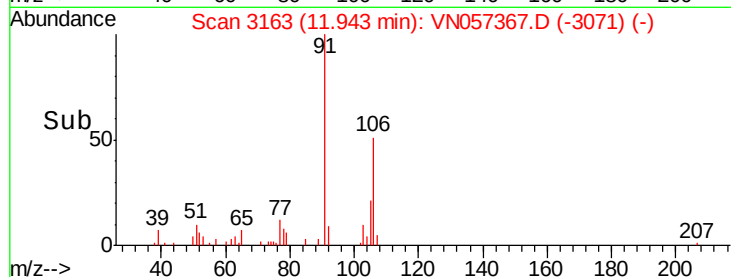
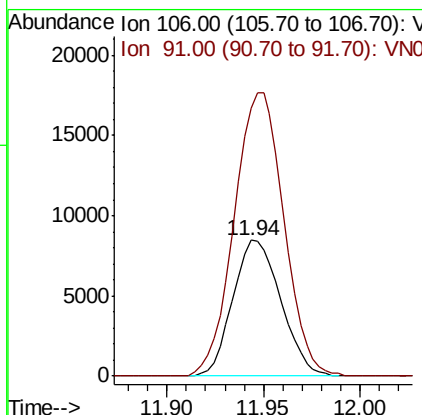
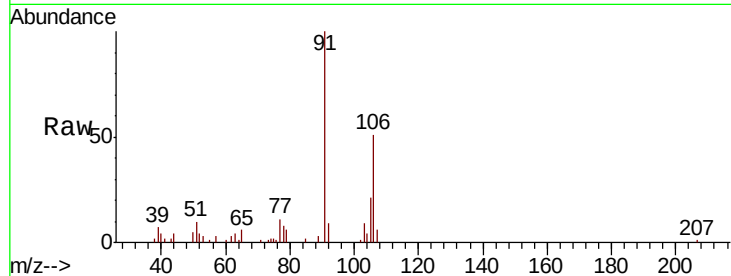




#69
o-Xylene
Concen: 0.869 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN057367.D
Acq: 16 Aug 2019 20:48

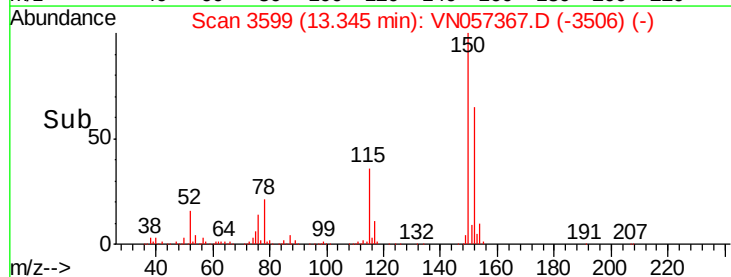
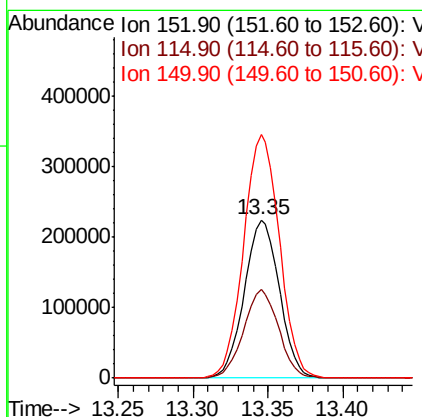
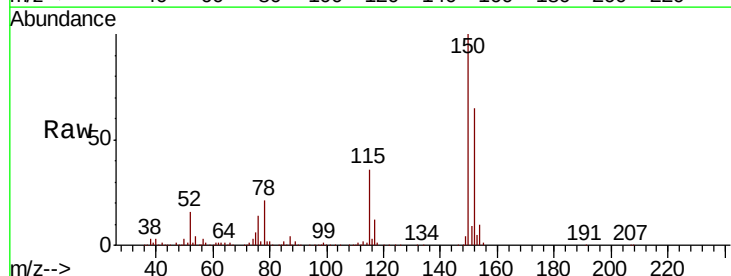
Instrument :
MSVOA_N
ClientSampleId :
SOIL-COMPOSITE

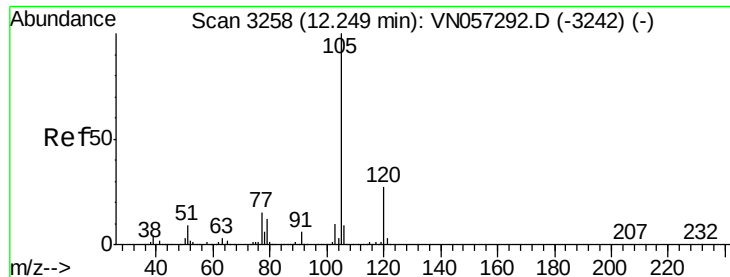
Tgt Ion:106 Resp: 14563
Ion Ratio Lower Upper
106 100
91 216.3 106.3 319.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057367.D
Acq: 16 Aug 2019 20:48

Tgt Ion:152 Resp: 364975
Ion Ratio Lower Upper
152 100
115 55.9 27.3 81.9
150 157.4 0.0 344.4





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057367.D

Acq: 16 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

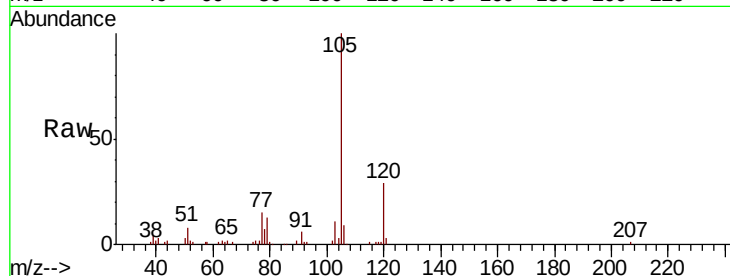
SOIL-COMPOSITE

Tgt Ion: 105 Resp: 60841

Ion Ratio Lower Upper

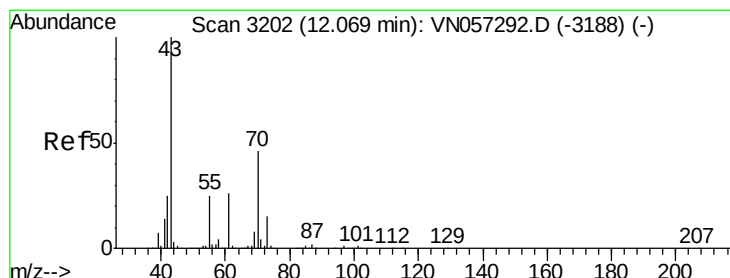
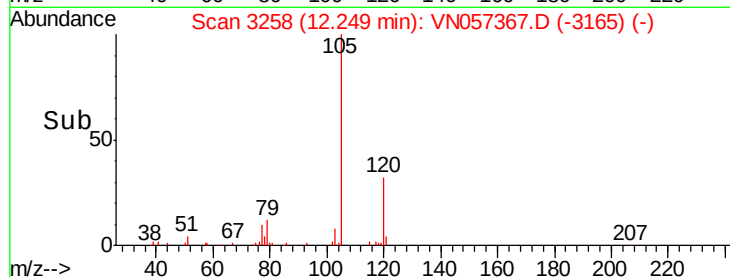
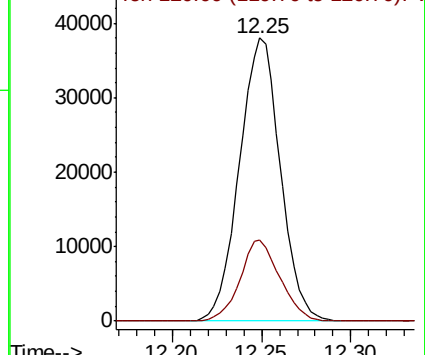
105 100

120 27.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.389 ug/l

RT: 12.04 min Scan# 3192

Delta R.T. -0.03 min

Lab File: VN057367.D

Acq: 16 Aug 2019 20:48

Tgt Ion: 43 Resp: 4123

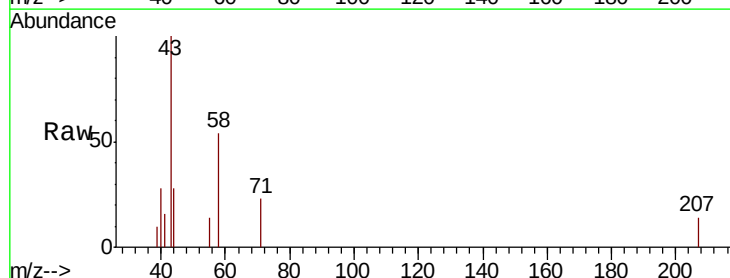
Ion Ratio Lower Upper

43 100

70 0.0 36.2 54.2#

55 8.3 20.1 30.1#

61 0.0 20.9 31.3#

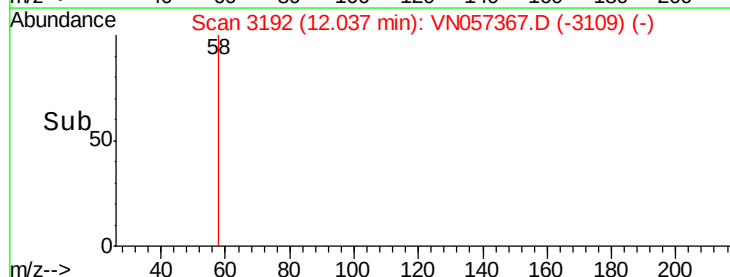
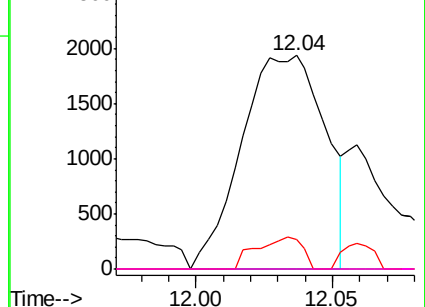


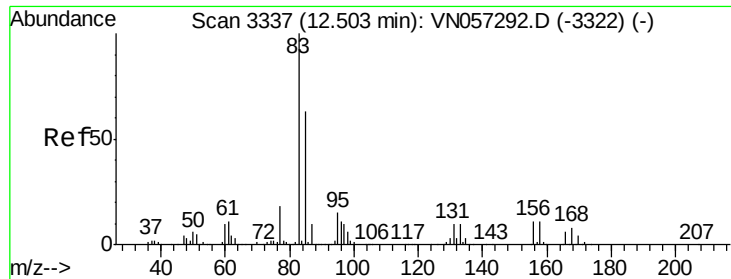
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.10 min

Lab File: VN057367.D

Acq: 16 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

SOIL-COMPOSITE

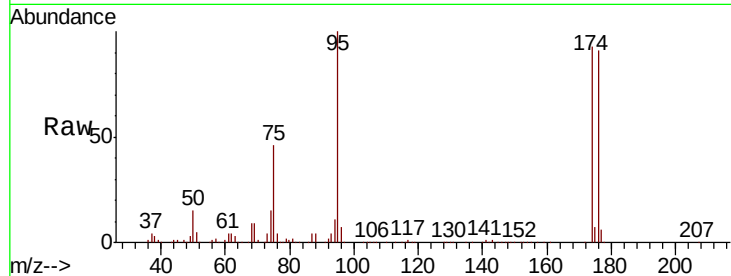
Tgt Ion: 83 Resp: 65

Ion Ratio Lower Upper

83 100

131 924.6 5.4 16.2#

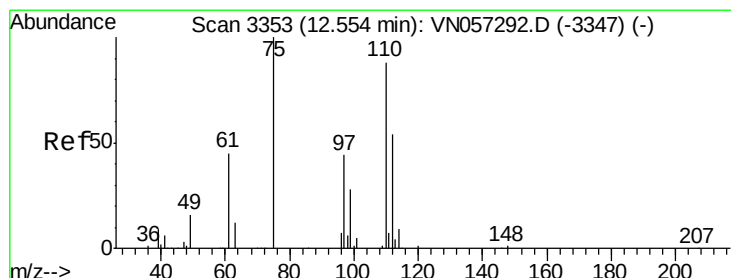
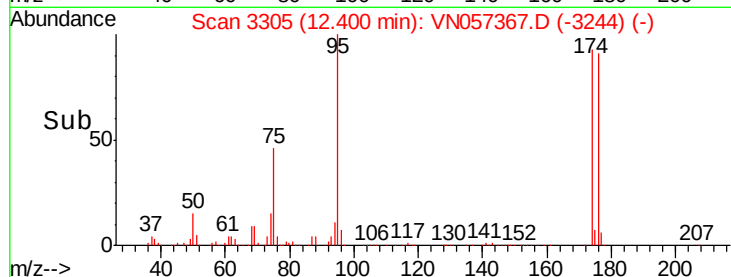
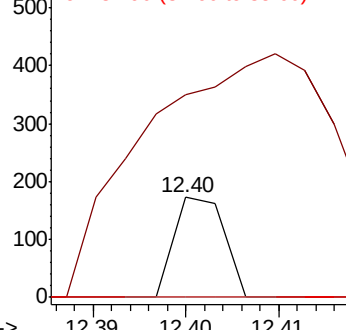
85 0.0 32.3 96.9#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.748 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN057367.D

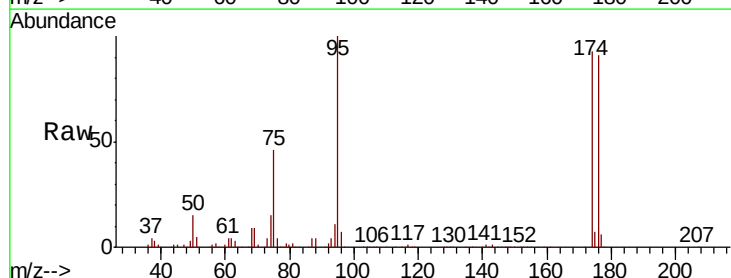
Acq: 16 Aug 2019 20:48

Tgt Ion: 75 Resp: 226124

Ion Ratio Lower Upper

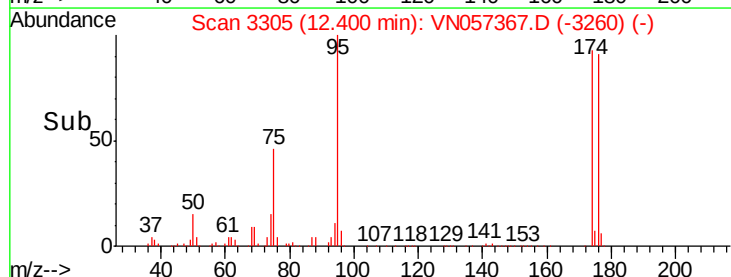
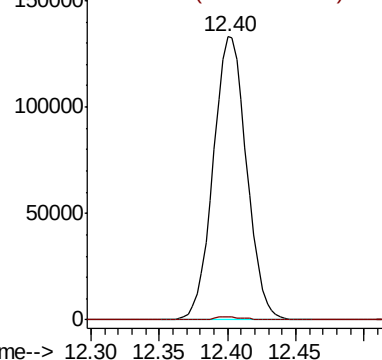
75 100

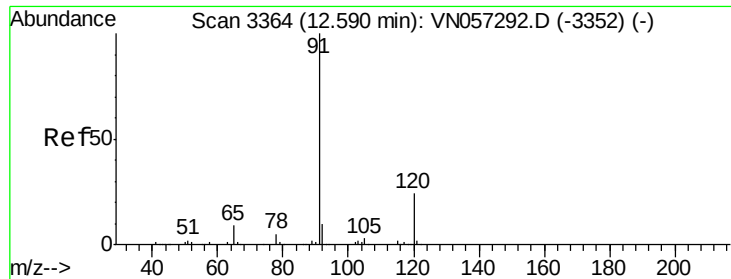
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 0.240 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057367.D

Acq: 16 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

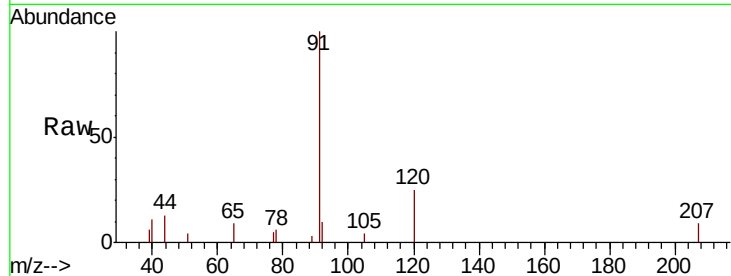
SOIL-COMPOSITE

Tgt Ion: 91 Resp: 8437

Ion Ratio Lower Upper

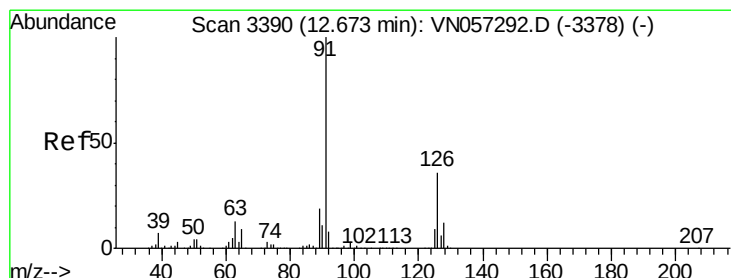
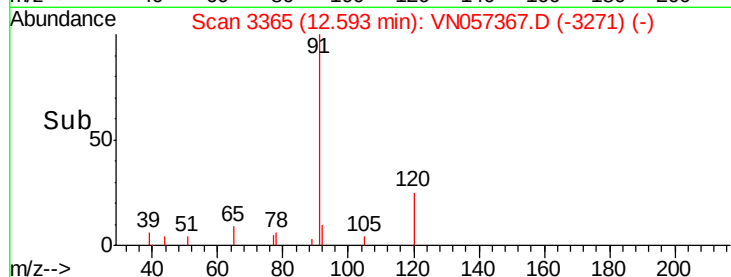
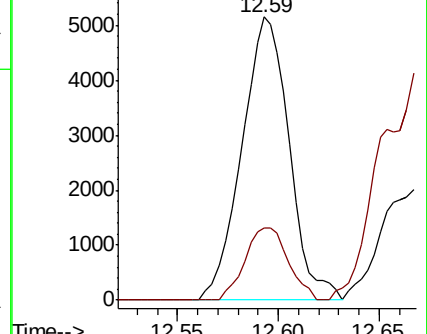
91 100

120 23.4 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN057292.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN057292.D (-3352) (-)



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.78 min Scan# 3423

Delta R.T. 0.11 min

Lab File: VN057367.D

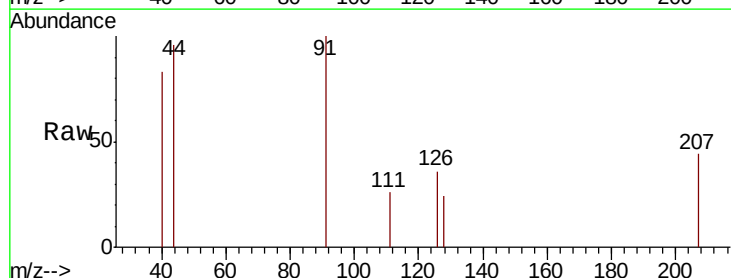
Acq: 16 Aug 2019 20:48

Tgt Ion: 91 Resp: 1161

Ion Ratio Lower Upper

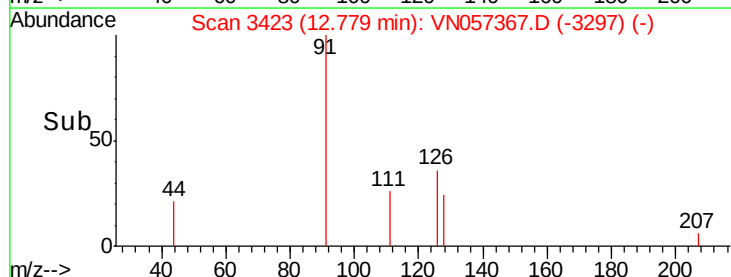
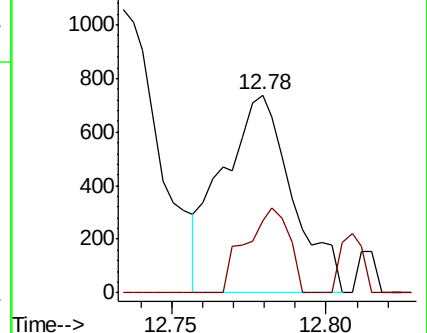
91 100

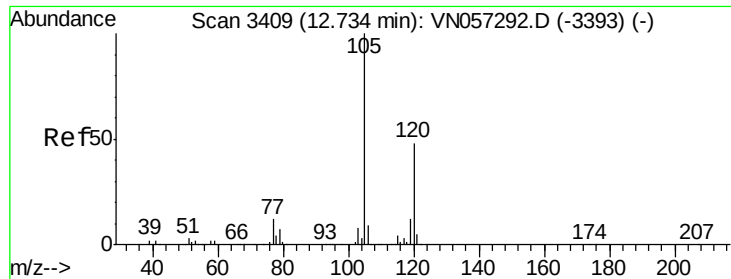
126 26.5 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN057292.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057292.D (-3378) (-)

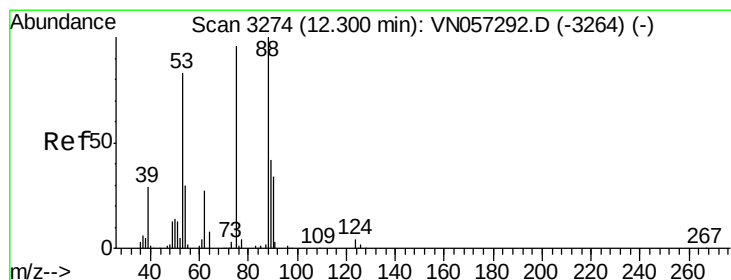
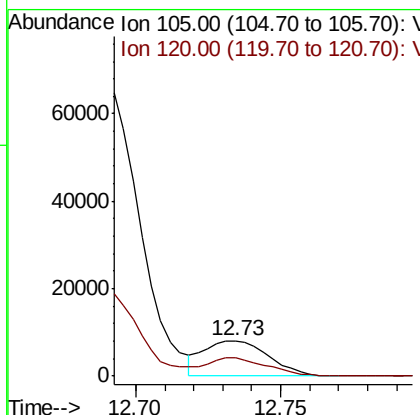
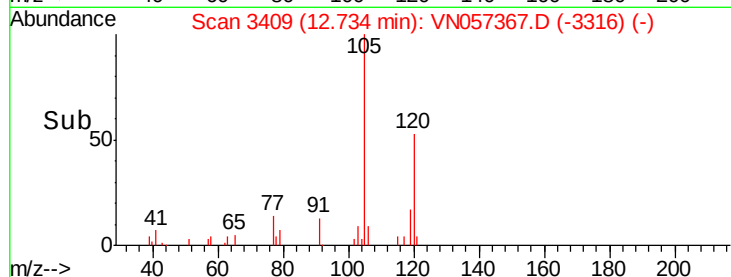
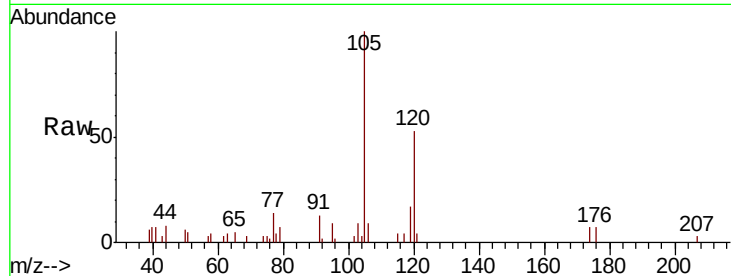




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN057367.D
 Acq: 16 Aug 2019 20:48

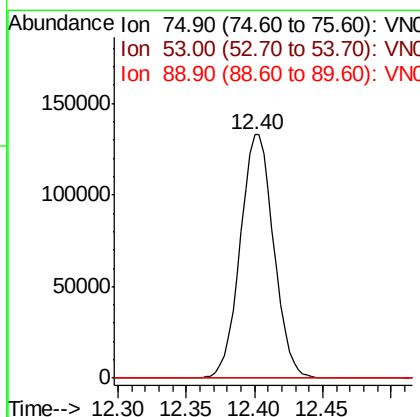
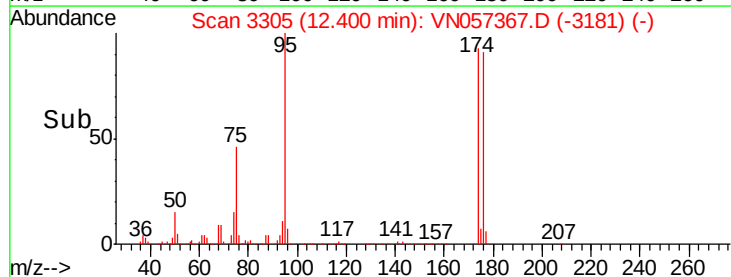
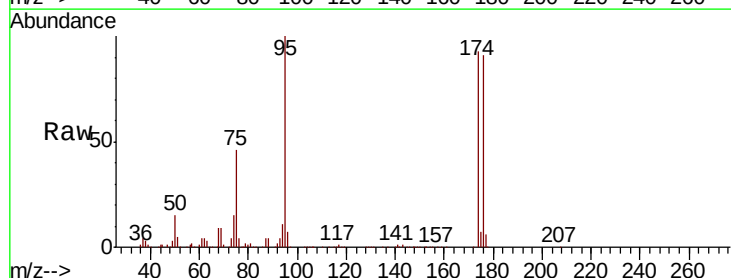
Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-COMPOSITE

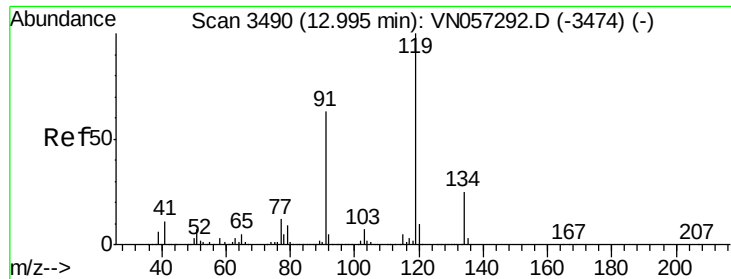
Tgt Ion: 105 Resp: 12581
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.3 73.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.548 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN057367.D
 Acq: 16 Aug 2019 20:48

Tgt Ion: 75 Resp: 226124
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.9 101.9#
 89 0.0 36.2 54.4#





#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN057367.D

Acq: 16 Aug 2019 20:48

Instrument :

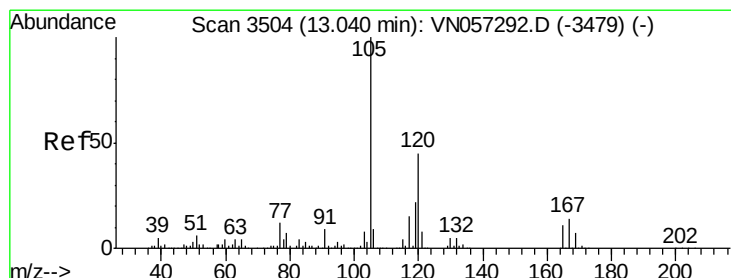
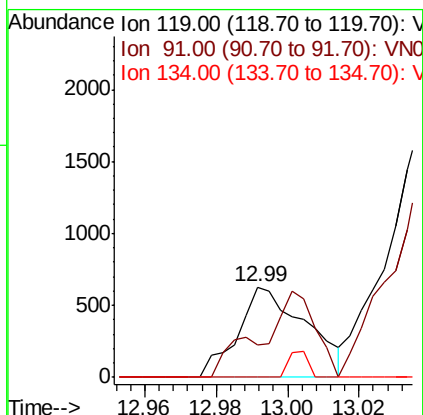
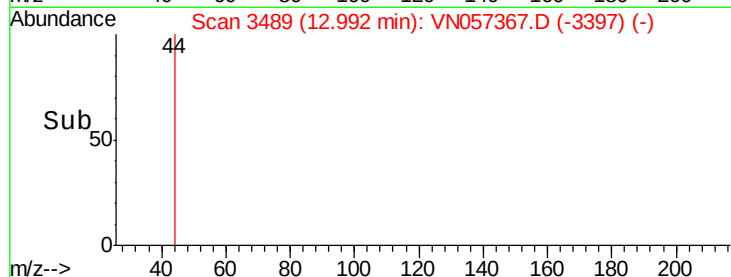
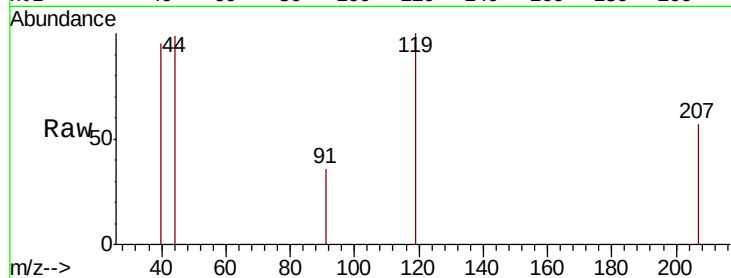
MSVOA_N

ClientSampleId :

SOIL-COMPOSITE

Tgt Ion:119 Resp: 830

Ion	Ratio	Lower	Upper
119	100		
91	76.3	31.3	93.8
134	8.3	13.1	39.1#



#84

1,2,4-Trimethylbenzene

Concen: 0.889 ug/l

RT: 13.04 min Scan# 3504

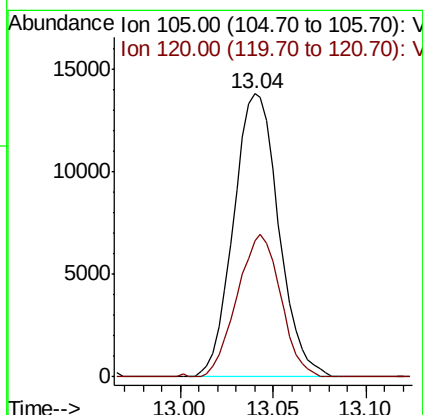
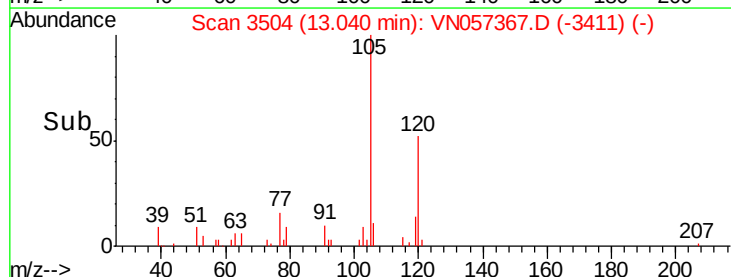
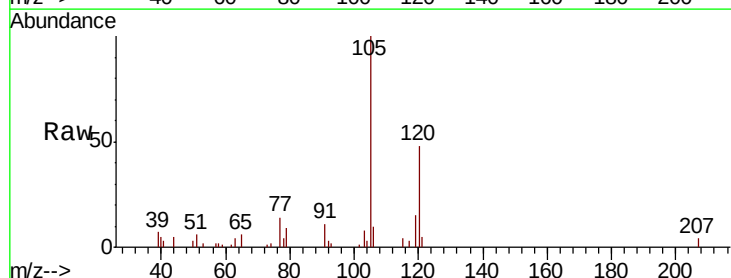
Delta R.T. 0.00 min

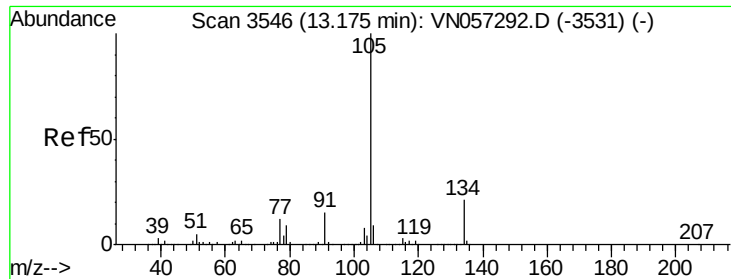
Lab File: VN057367.D

Acq: 16 Aug 2019 20:48

Tgt Ion:105 Resp: 23359

Ion	Ratio	Lower	Upper
105	100		
120	48.5	22.6	67.7





#85

sec-Butylbenzene

Concen: Below Cal

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN057367.D

Acq: 16 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

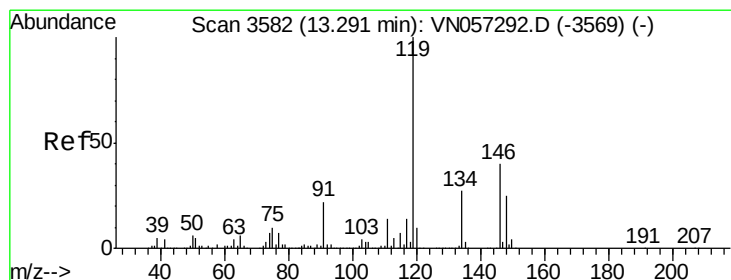
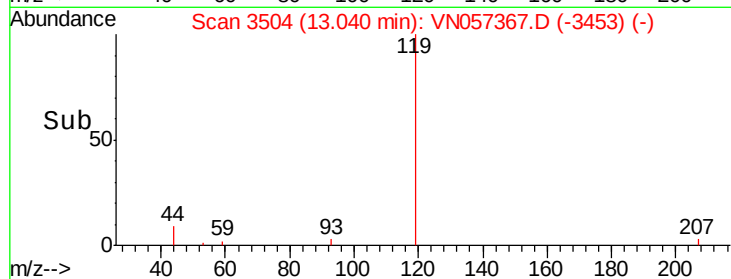
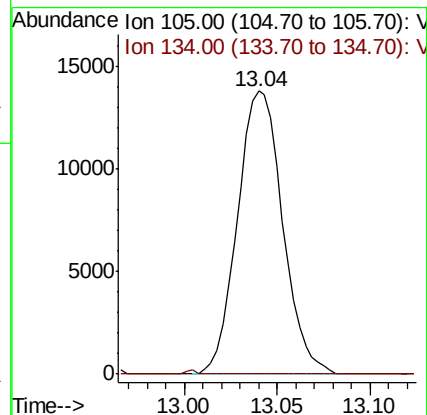
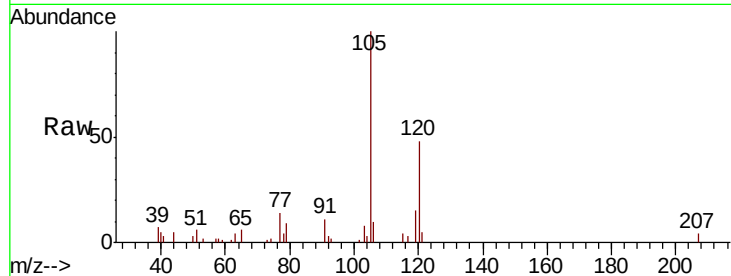
SOIL-COMPOSITE

Tgt Ion:105 Resp: 23359

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.2#



#86

p-Isopropyltoluene

Concen: 0.338 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057367.D

Acq: 16 Aug 2019 20:48

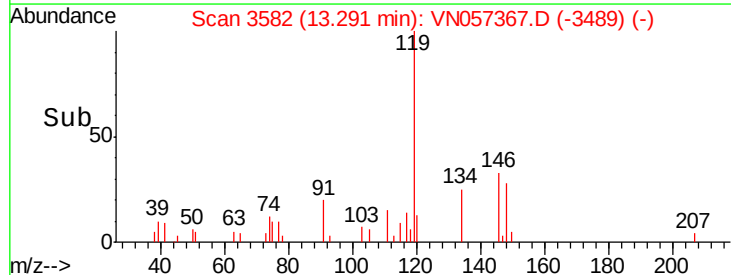
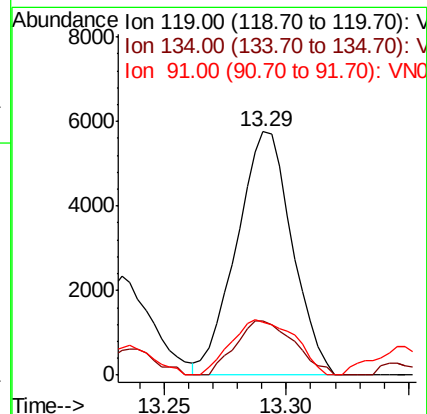
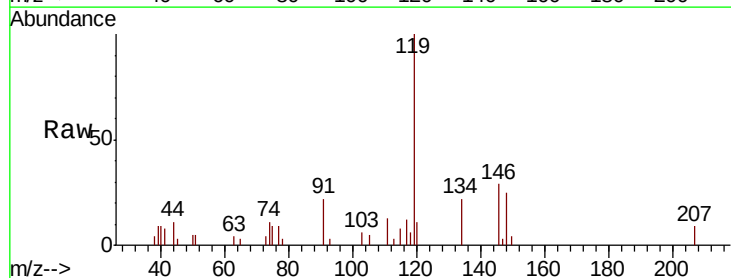
Tgt Ion:119 Resp: 9095

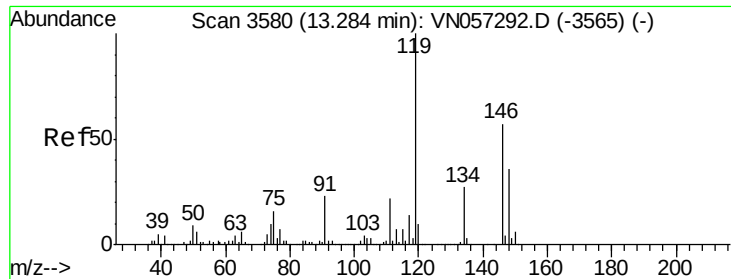
Ion Ratio Lower Upper

119 100

134 23.6 13.4 40.2

91 26.2 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 0.241 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN057367.D

Acq: 16 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

SOIL-COMPOSITE

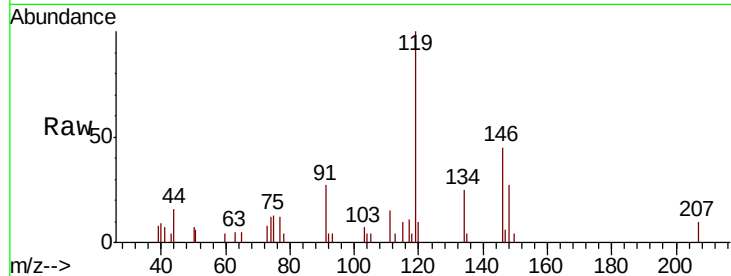
Tgt Ion:146 Resp: 3084

Ion Ratio Lower Upper

146 100

111 22.4 18.7 56.1

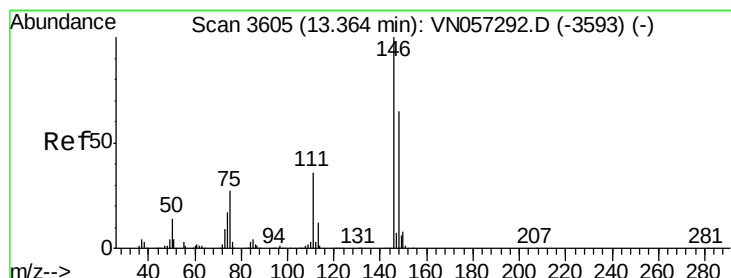
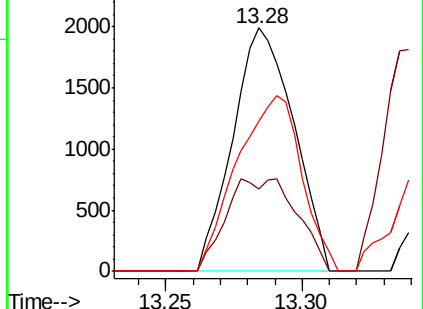
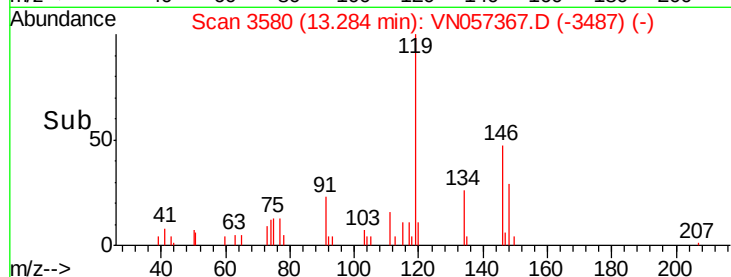
148 76.8 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.254 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.08 min

Lab File: VN057367.D

Acq: 16 Aug 2019 20:48

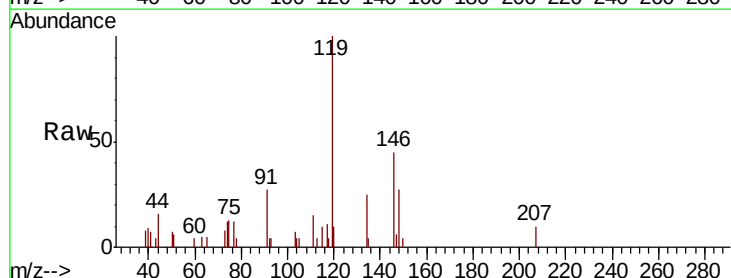
Tgt Ion:146 Resp: 3084

Ion Ratio Lower Upper

146 100

111 22.4 18.4 55.4

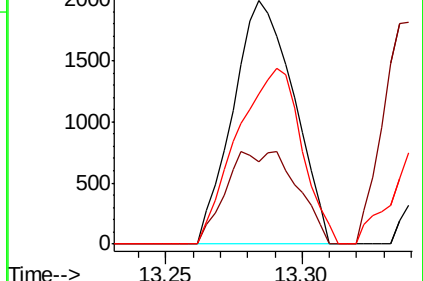
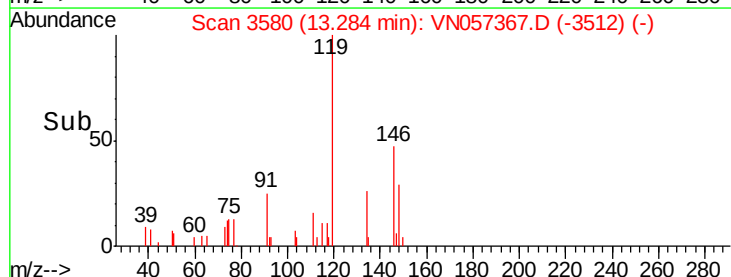
148 76.8 32.5 97.4

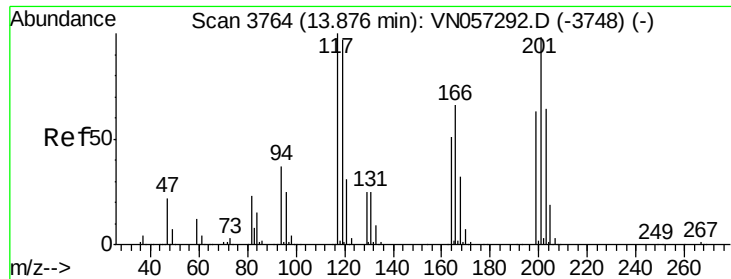


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#90

Hexachloroethane

Concen: Below Cal

RT: 13.90 min Scan# 3770

Delta R.T. 0.02 min

Lab File: VN057367.D

Acq: 16 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

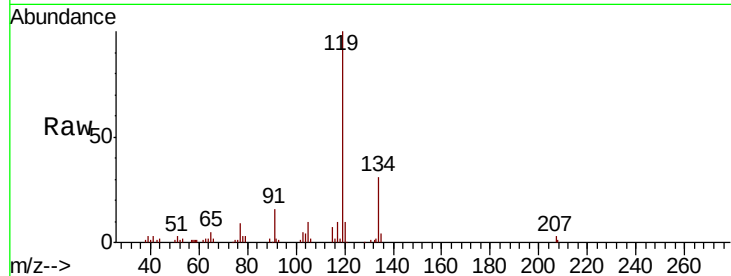
SOIL-COMPOSITE

Tgt Ion:117 Resp: 5547

Ion Ratio Lower Upper

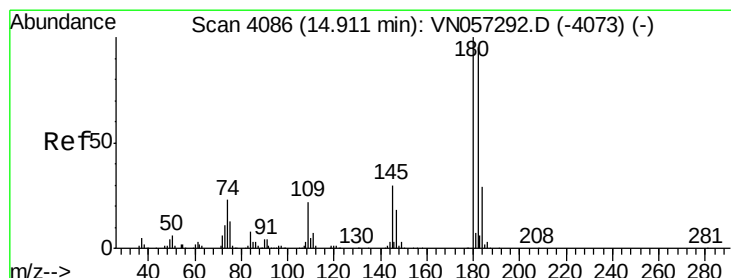
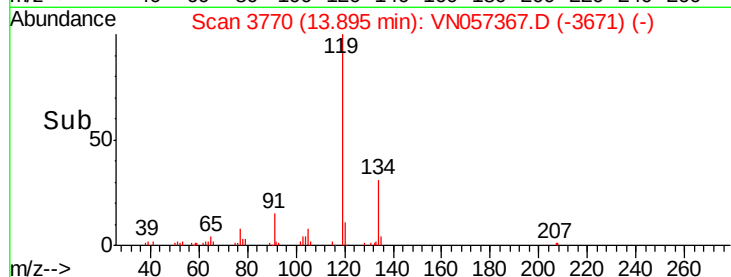
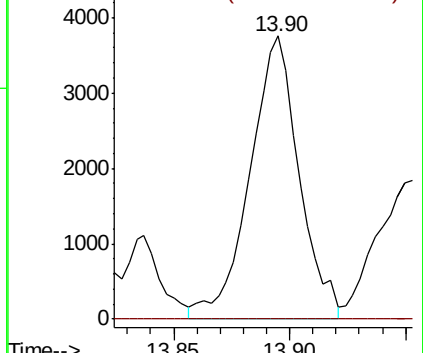
117 100

201 0.0 48.4 145.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 5.503 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN057367.D

Acq: 16 Aug 2019 20:48

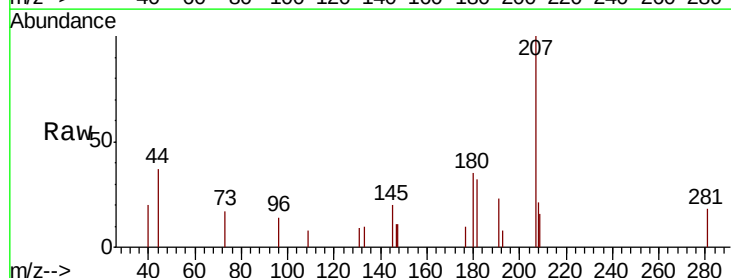
Tgt Ion:180 Resp: 783

Ion Ratio Lower Upper

180 100

182 101.9 48.0 144.2

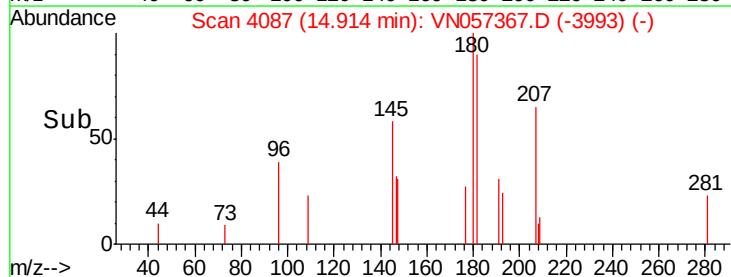
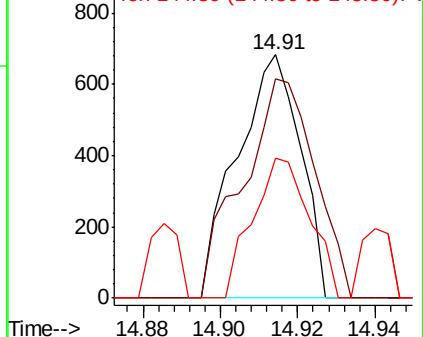
145 51.5 14.5 43.6#

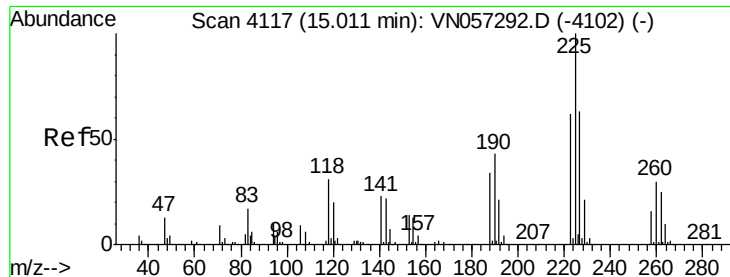


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4115

Delta R.T. -0.01 min

Lab File: VN057367.D

Acq: 16 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

SOIL-COMPOSITE

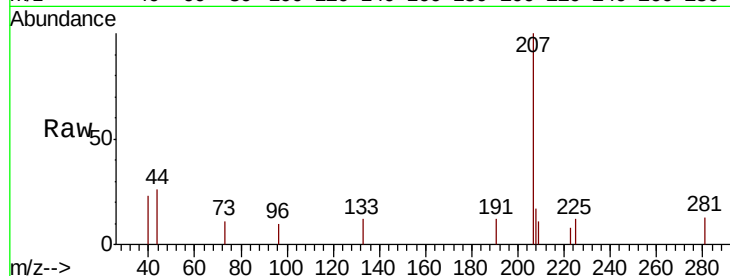
Tgt Ion: 225 Resp: 280

Ion Ratio Lower Upper

225 100

223 108.6 30.7 92.1#

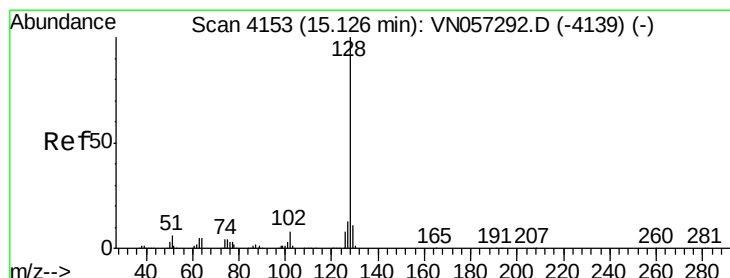
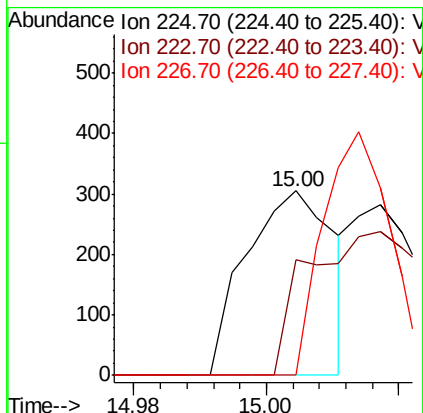
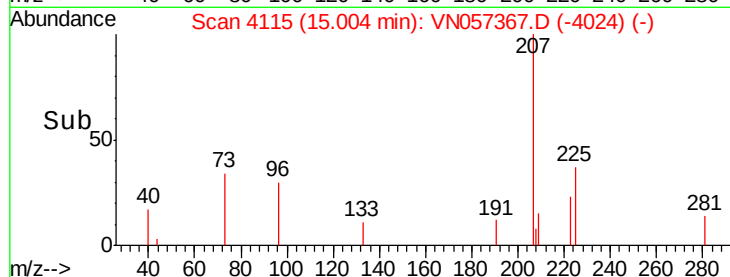
227 98.9 30.9 92.7#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057367.D

Acq: 16 Aug 2019 20:48

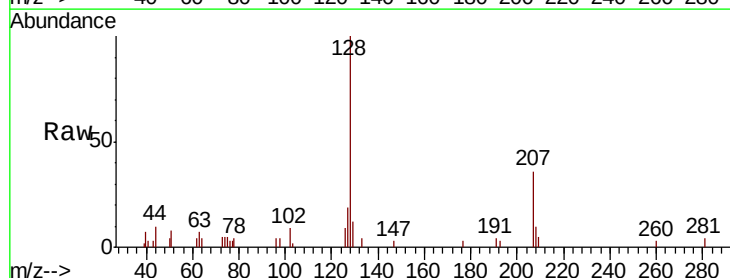
Tgt Ion: 128 Resp: 12625

Ion Ratio Lower Upper

128 100

127 15.0 10.5 15.7

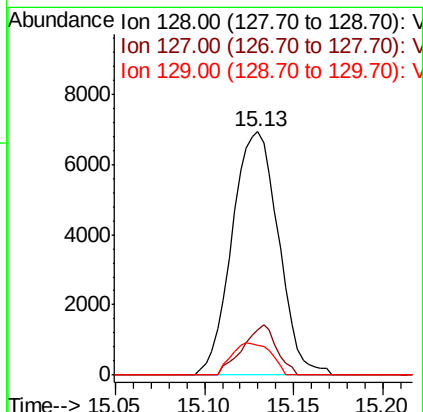
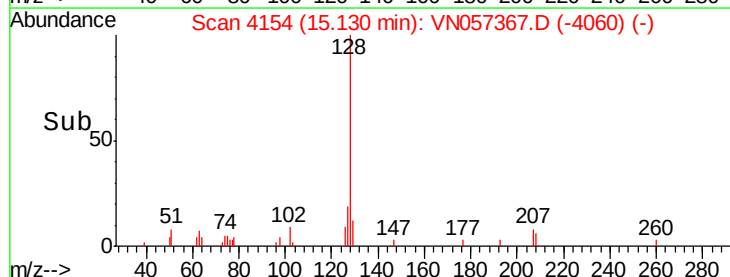
129 11.2 8.8 13.2

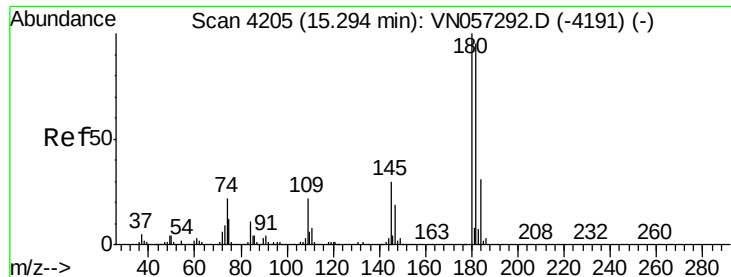


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.29 min Scan# 4204
 Delta R.T. -0.00 min
 Lab File: VN057367.D
 Acq: 16 Aug 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-COMPOSITE

Tgt Ion	Ratio	Lower	Upper
180	100		
182	138.5	47.9	143.6
145	15.3	15.1	45.3

