

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
 Data File : VN051739.D
 Acq On : 8 Oct 2018 16:38
 Operator : MD\SY
 Sample : J5270-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PHASE-3-SOIL

Quant Time: Oct 09 03:59:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	731670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1055402	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	940426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	388889	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	436335	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	
35) Dibromofluoromethane	7.59	113	398281	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	10.09	98	1517505	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.40	95	436999	40.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.84	85	73	1.157	ug/l #	42
7) Trichlorofluoromethane	3.01	101	61	Below Cal	#	68
13) Acrolein	3.61	56	104	0.253	ug/l #	1
16) Acetone	3.82	43	12361	Below Cal		94
18) Methyl Acetate	4.34	43	6171	1.157	ug/l	96
20) Methylene Chloride	4.55	84	274180	34.478	ug/l	99
25) 2-Butanone	6.85	43	2001	0.717	ug/l #	76
29) Tetrahydrofuran	7.23	42	935	0.546	ug/l #	59
31) Cyclohexane	7.66	56	15133	1.153	ug/l #	31
36) 1,1-Dichloropropene	7.67	75	46983	4.259	ug/l #	49
38) Carbon Tetrachloride	7.67	117	66879	5.052	ug/l #	15
41) Methacrylonitrile	7.16	41	430	Below Cal	#	36
43) Isopropyl Acetate	8.17	43	260536	21.719	ug/l	98
48) Methyl methacrylate	9.18	41	5141	0.938	ug/l #	17
51) 4-Methyl-2-Pentanone	9.99	43	1607	0.264	ug/l #	85
52) Toluene	10.16	92	9823	0.452	ug/l	99
59) 2-Hexanone	10.77	43	13373	3.240	ug/l #	57
67) Ethyl Benzene	11.52	91	18846	0.468	ug/l	99
68) m/p-Xylenes	11.62	106	17169	1.066	ug/l	89
69) o-Xylene	11.95	106	8128	0.515	ug/l	95
70) Styrene	11.97	104	6003	0.238	ug/l #	89
71) Bromoform	12.41	173	3490	0.503	ug/l #	1
74) N-ethyl acetate	12.05	43	440	Below Cal	#	41
75) 1,1,2,2-Tetrachloroethane	12.40	83	670	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	234197	48.330	ug/l #	100
78) n-propylbenzene	12.59	91	8017	0.222	ug/l	91
80) 1,3,5-Trimethylbenzene	12.73	105	16158	0.578	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	234197	110.700	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.04	105	54754	1.957	ug/l	95
90) Hexachloroethane	13.88	117	2427	0.414	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.91	180	3505	0.561	ug/l #	72
95) Naphthalene	15.14	128	179693	13.318	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	1457	0.237	ug/l	88

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ALS Vial : 22 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
PHASE-3-SOIL

Quant Time: Oct 09 03:59:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 05 02:22:33 2018
Response via : Initial Calibration

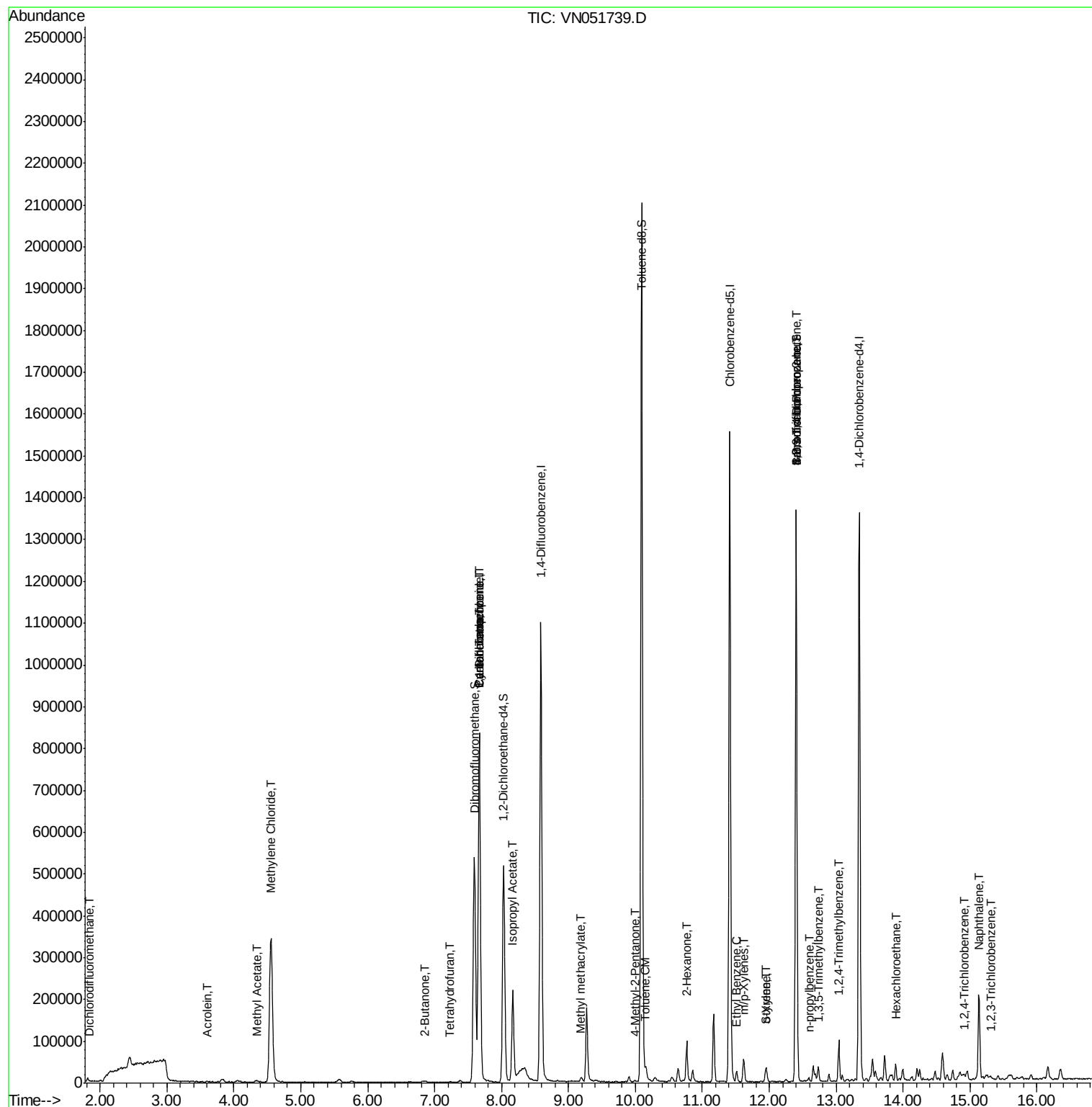
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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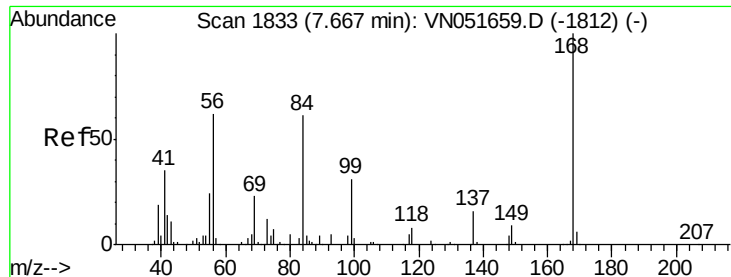
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100818\
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Acq On : 8 Oct 2018 16:38
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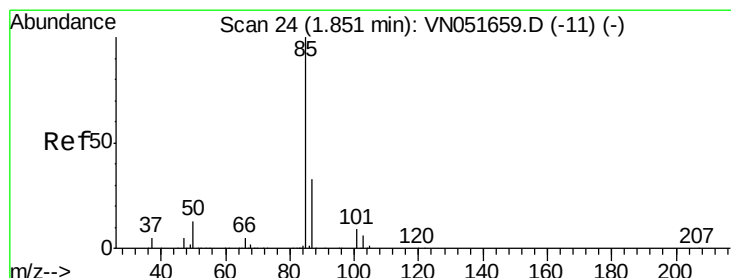
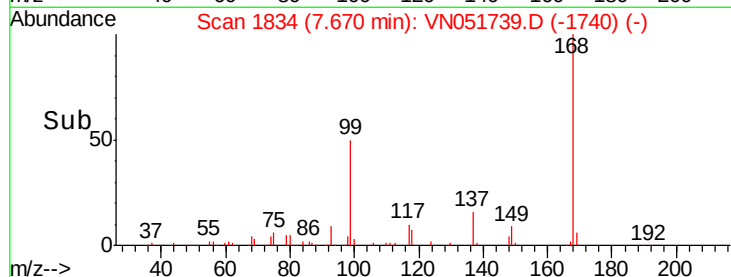
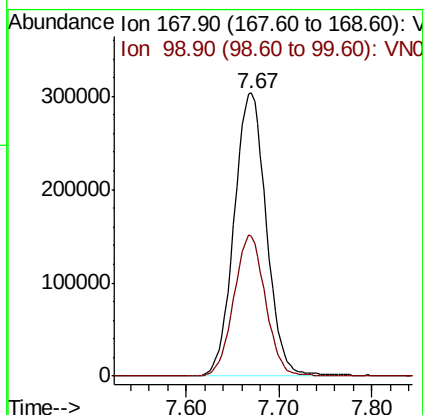
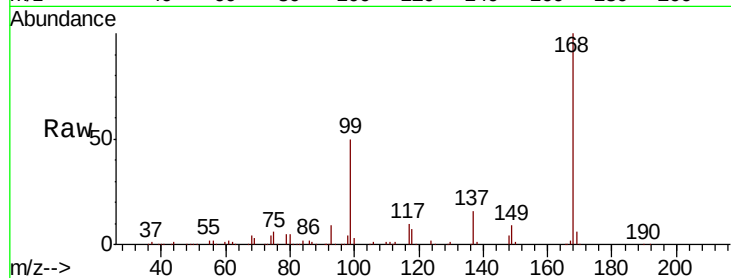




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.00 min
Lab File: VN051739.D
Acq: 8 Oct 2018 16:38

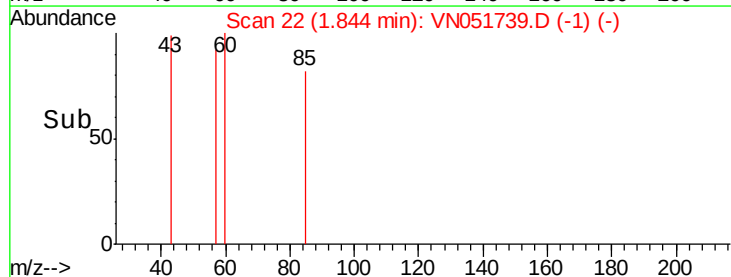
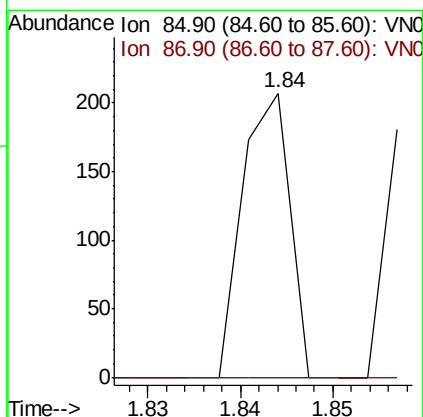
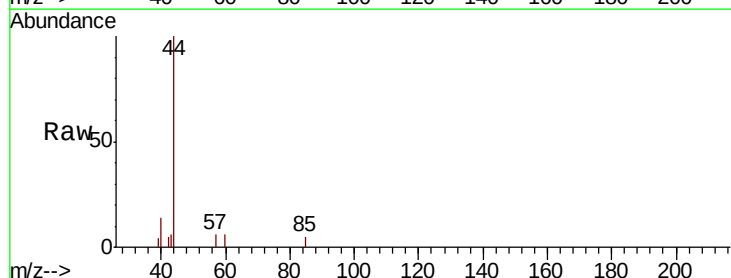
Instrument :
MSVOA_N
ClientSampleId :
PHASE-3-SOIL

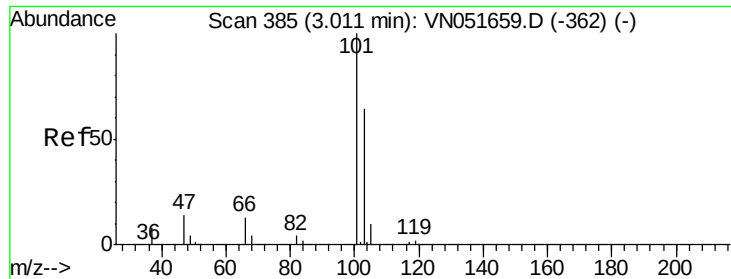
Tot Ion:168 Resp: 731670
Ion Ratio Lower Upper
168 100
99 49.6 40.4 60.6



#2
Dichlorodifluoromethane
Concen: 1.157 ug/l
RT: 1.84 min Scan# 22
Delta R.T. -0.01 min
Lab File: VN051739.D
Acq: 8 Oct 2018 16:38

Tgt Ion: 85 Resp: 73
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.4#



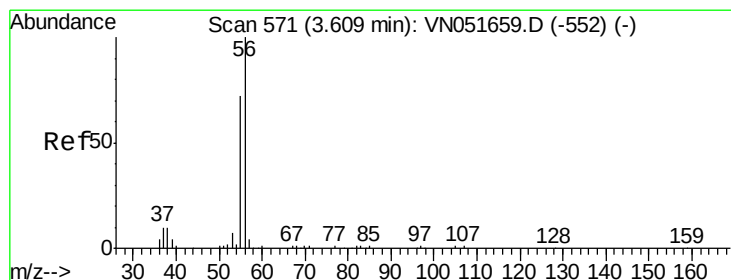
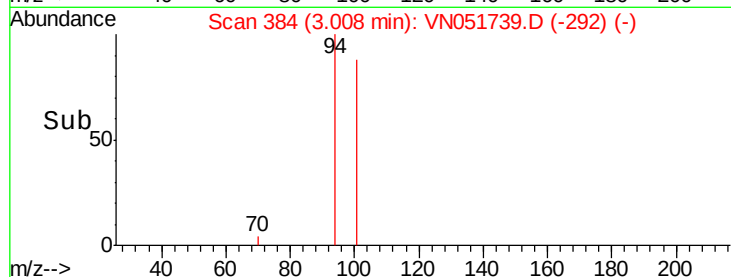
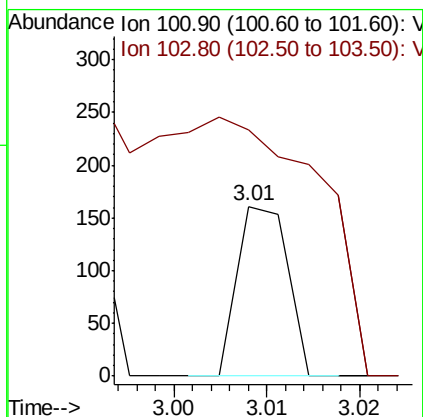
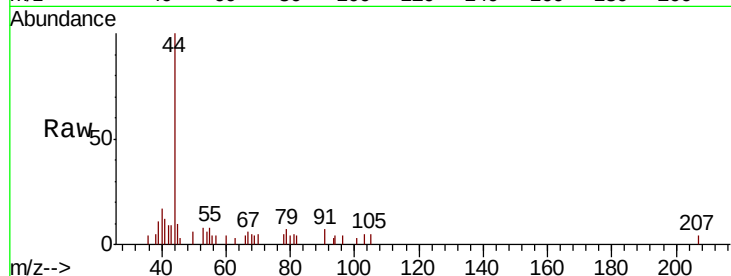


#7

Trichlorofluoromethane
Concen: Below Cal
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN051739.D
Acq: 8 Oct 2018 16:38

Instrument :
MSVOA_N
ClientSampleId :
PHASE-3-SOIL

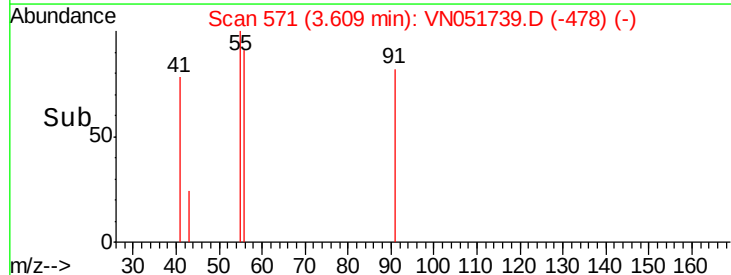
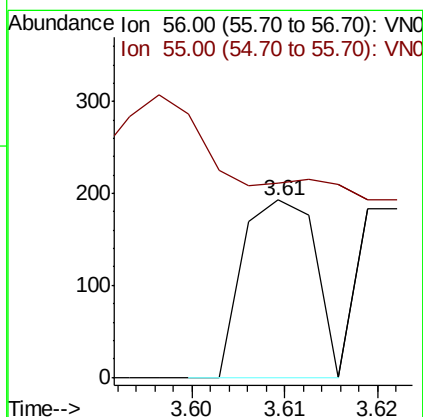
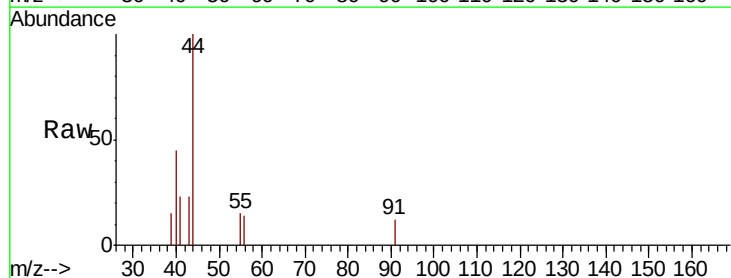
Tot Ion:101 Resp: 61
Ion Ratio Lower Upper
101 100
103 39.1 51.1 76.7#

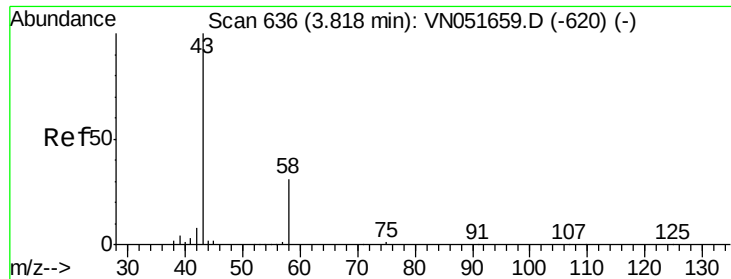


#13

Acrolein
Concen: 0.253 ug/l
RT: 3.61 min Scan# 571
Delta R.T. -0.00 min
Lab File: VN051739.D
Acq: 8 Oct 2018 16:38

Tgt Ion: 56 Resp: 104
Ion Ratio Lower Upper
56 100
55 548.1 57.5 86.3#





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051739.D

Acq: 8 Oct 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

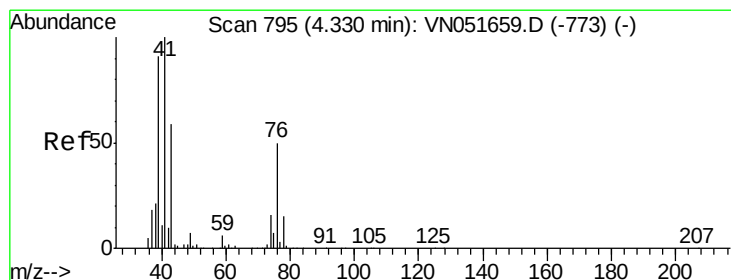
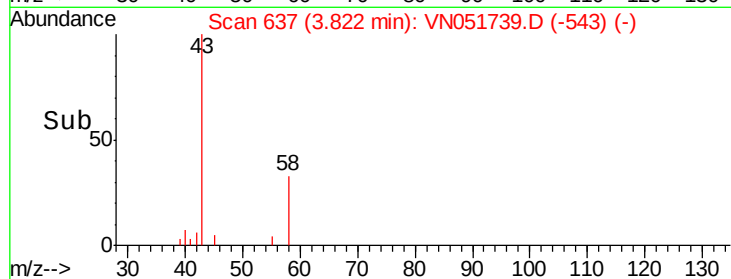
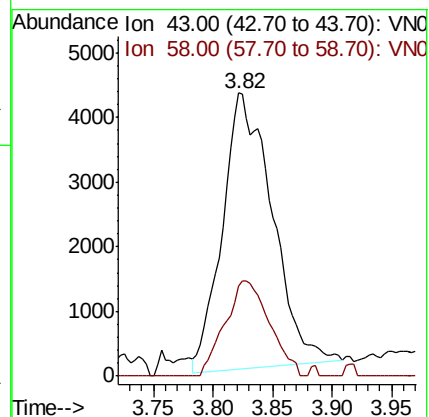
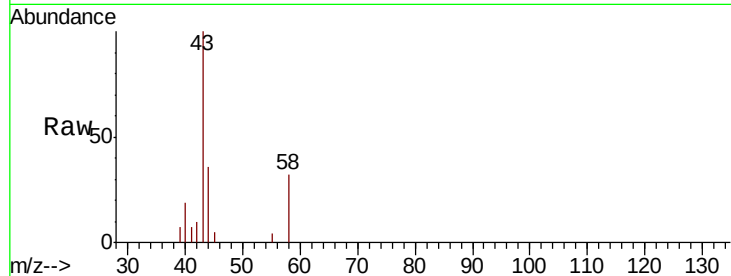
PHASE-3-SOIL

Tot Ion: 43 Resp: 12361

Ion Ratio Lower Upper

43 100

58 33.7 24.3 36.5



#18

Methyl Acetate

Concen: 1.157 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN051739.D

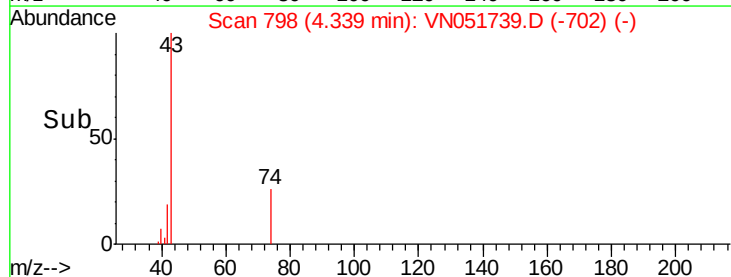
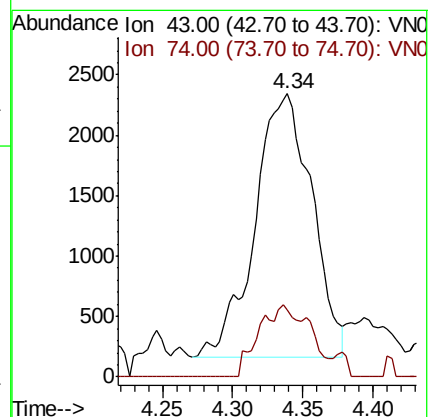
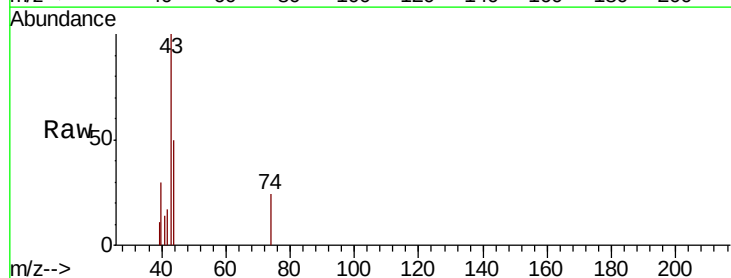
Acq: 8 Oct 2018 16:38

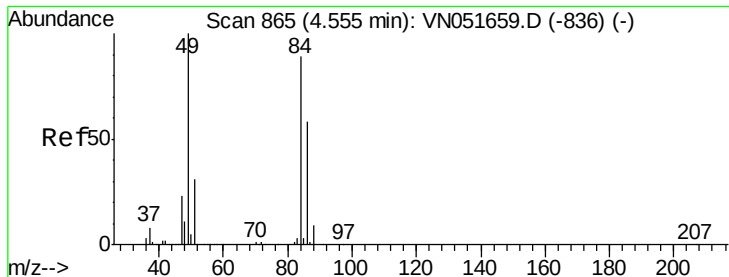
Tgt Ion: 43 Resp: 6171

Ion Ratio Lower Upper

43 100

74 24.8 21.5 32.3

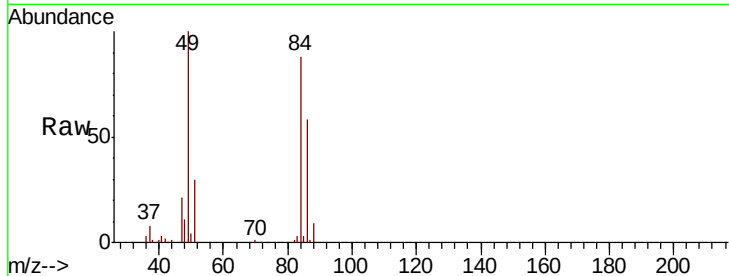




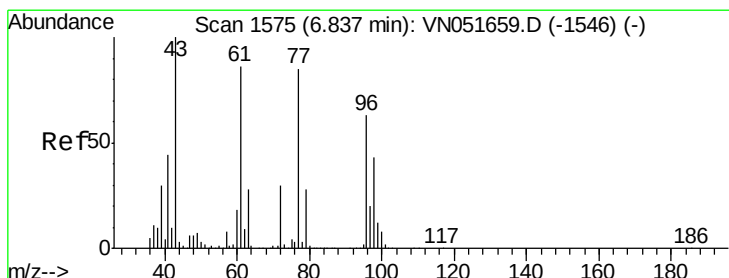
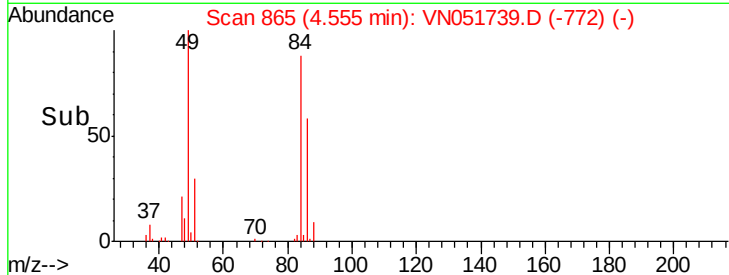
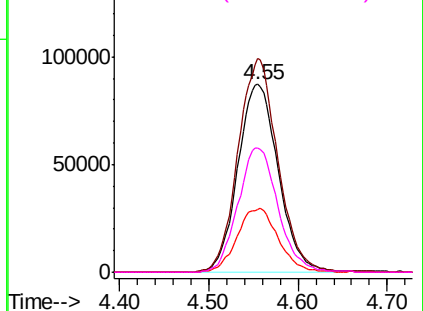
#20
Methvlene Chloride
Concen: 34.478 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051739.D
Acq: 8 Oct 2018 16:38

Instrument :
MSVOA_N
ClientSampled :
PHASE-3-SOIL

Tot Ion: 84 Resp: 274180
Ion Ratio Lower Upper
84 100
49 113.8 89.5 134.3
51 33.6 27.4 41.0
86 65.9 51.9 77.9

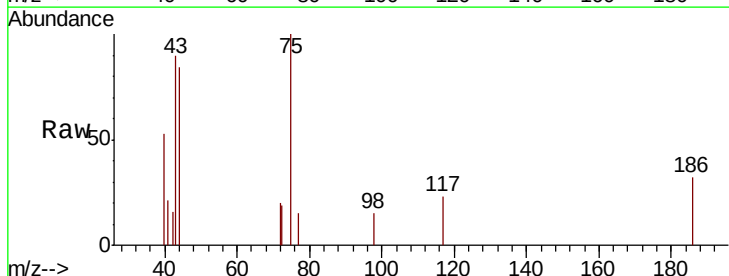


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

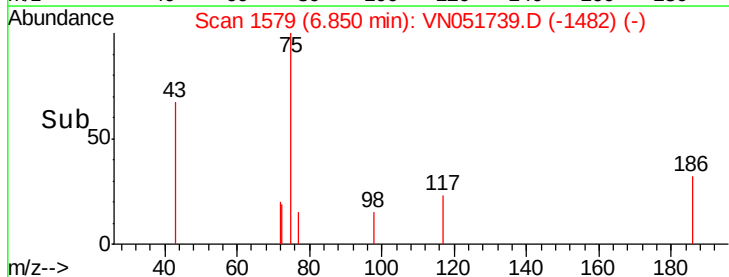
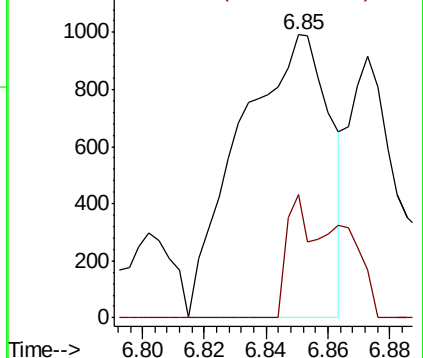


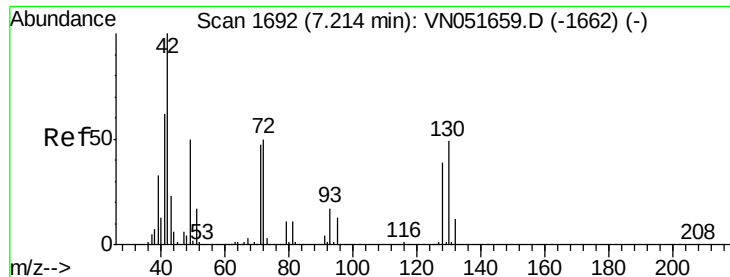
#25
2-Butanone
Concen: 0.717 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN051739.D
Acq: 8 Oct 2018 16:38

Tgt Ion: 43 Resp: 2001
Ion Ratio Lower Upper
43 100
72 43.3 24.2 36.2#



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

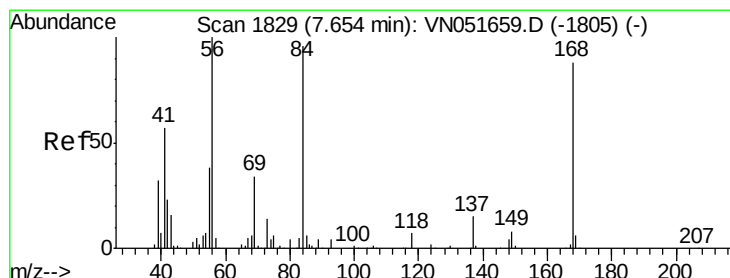
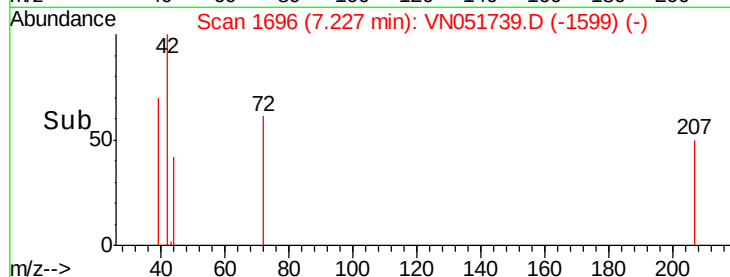
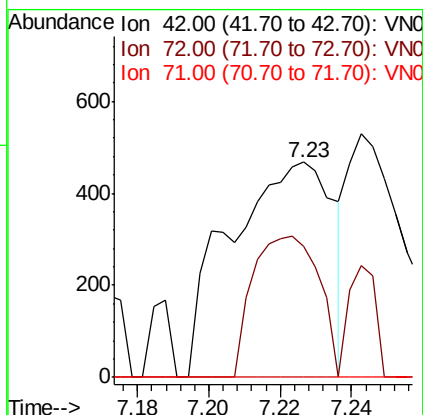
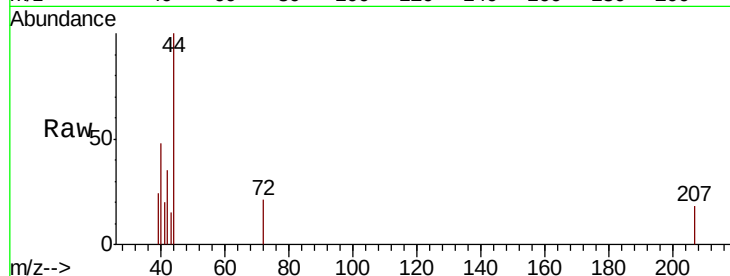




#29
Tetrahydrofuran
Concen: 0.546 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VN051739.D
Acq: 8 Oct 2018 16:38

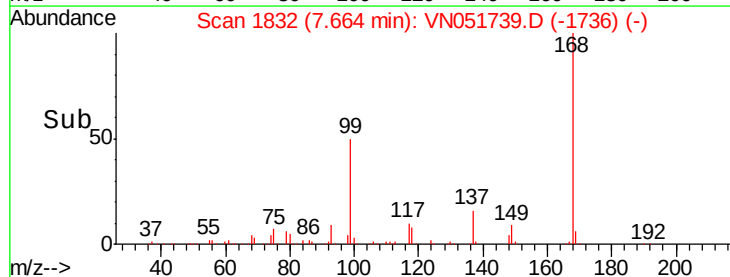
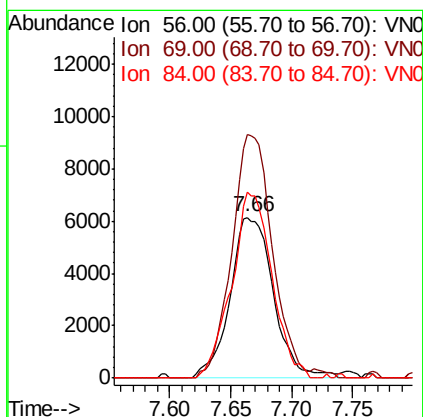
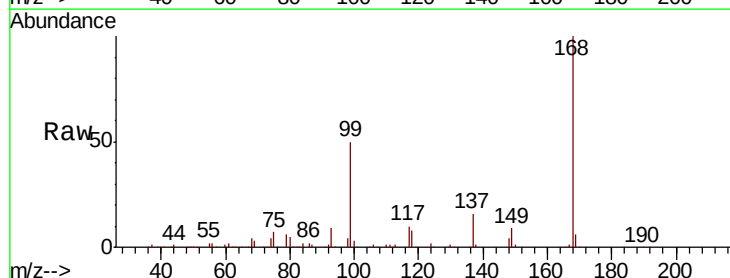
Instrument :
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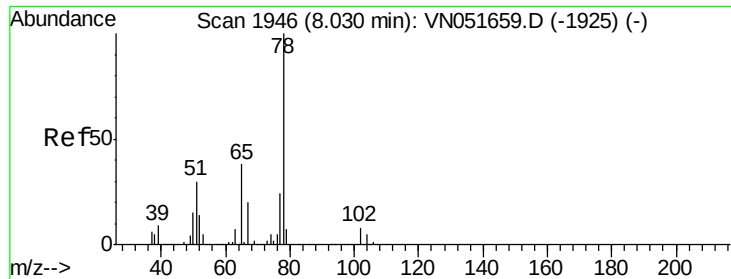
Tot Ion: 42 Resp: 935
Ion Ratio Lower Upper
42 100
72 41.8 40.1 60.1
71 0.0 38.0 57.0#



#31
Cyclohexane
Concen: 1.153 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051739.D
Acq: 8 Oct 2018 16:38

Tgt Ion: 56 Resp: 15133
Ion Ratio Lower Upper
56 100
69 151.8 27.5 41.3#
84 115.8 76.7 115.1#

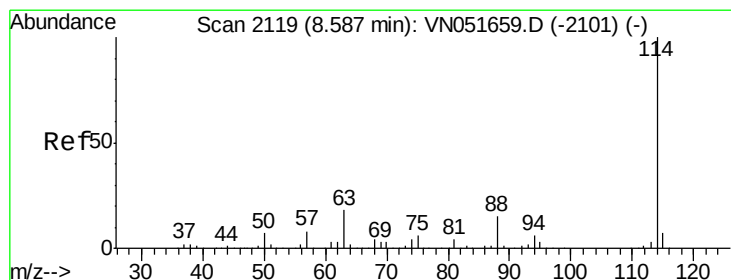
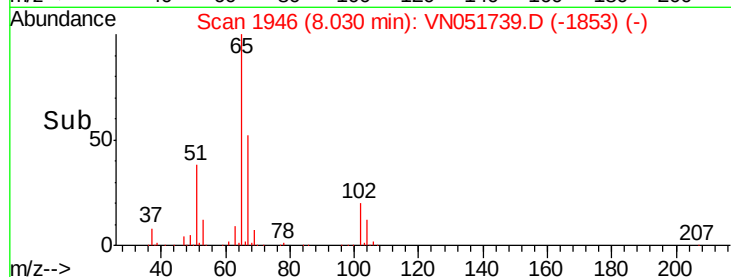
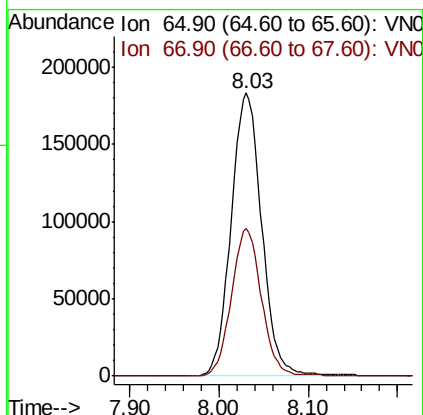
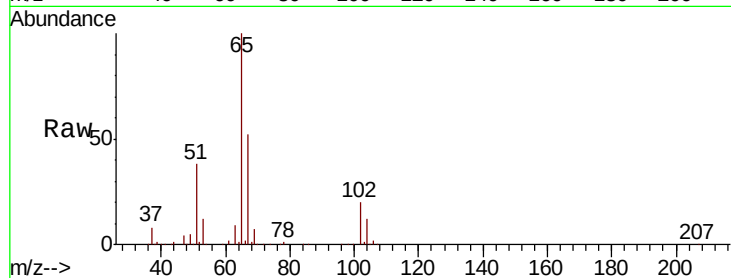




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051739.D
 Acq: 8 Oct 2018 16:38

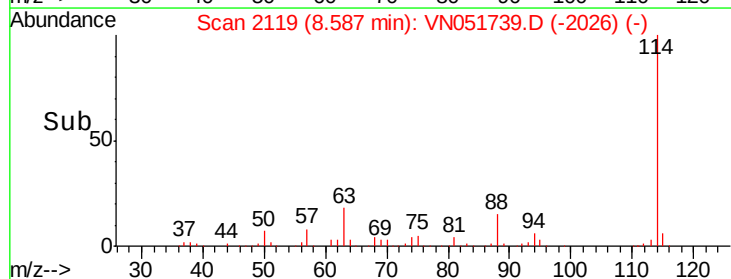
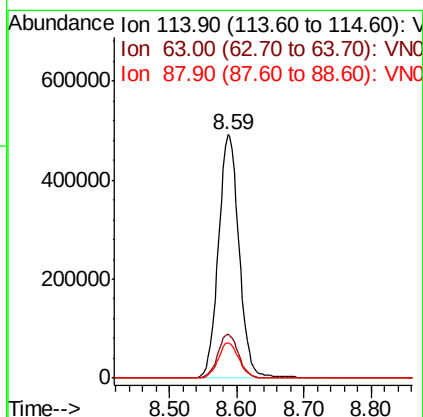
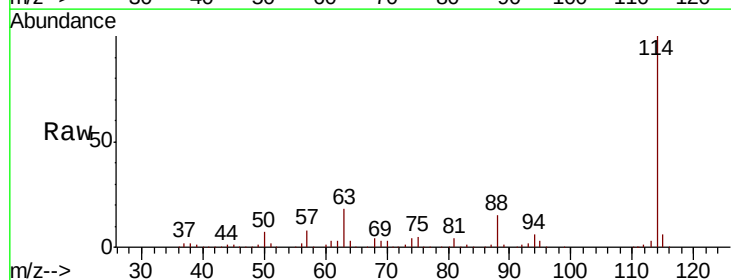
Instrument :
 MSVOA_N
 ClientSampleId :
 PHASE-3-SOIL

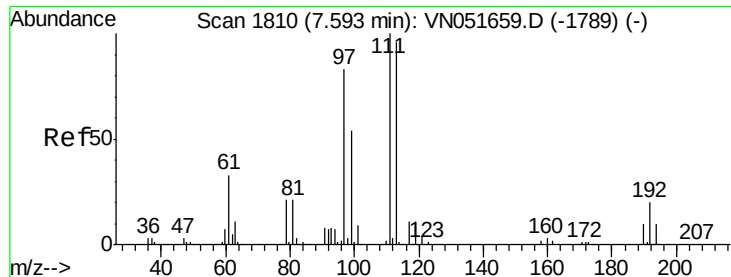
Tot Ion: 65 Resp: 436335
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051739.D
 Acq: 8 Oct 2018 16:38

Tgt Ion: 114 Resp: 1055402
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.2
 88 14.5 0.0 30.2

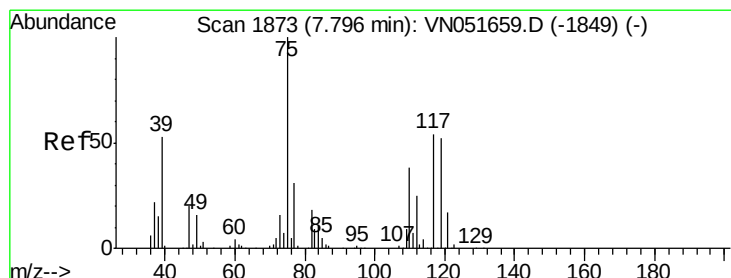
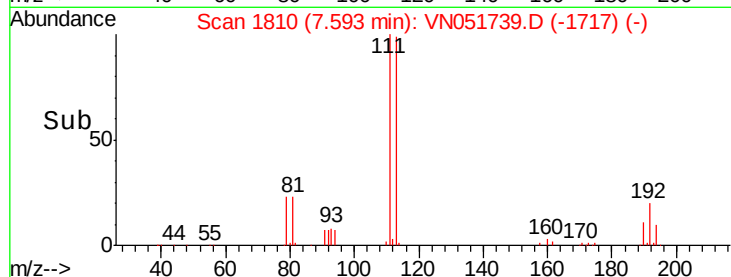
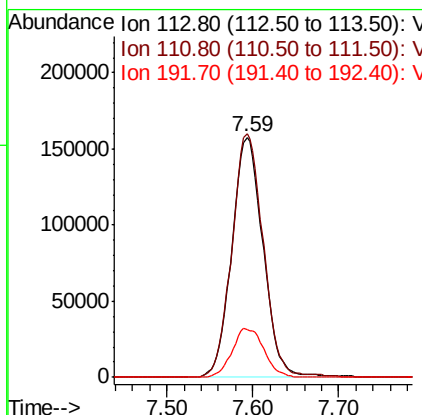
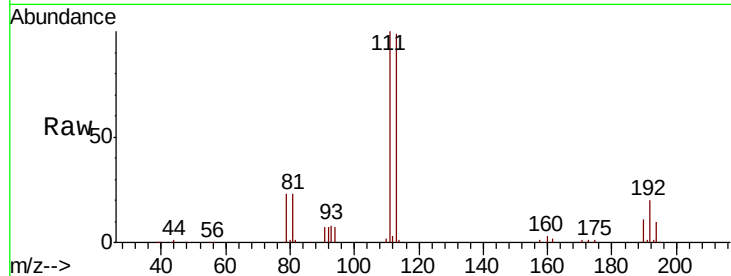




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051739.D
Acq: 8 Oct 2018 16:38

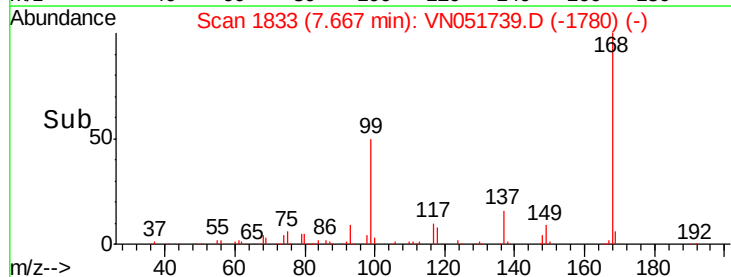
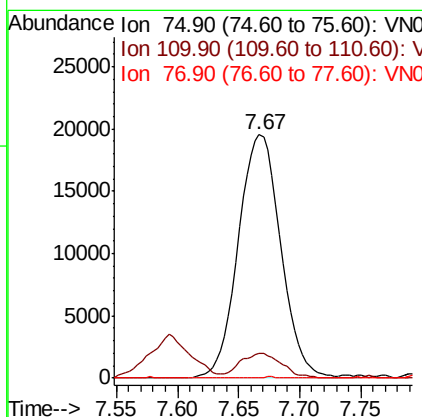
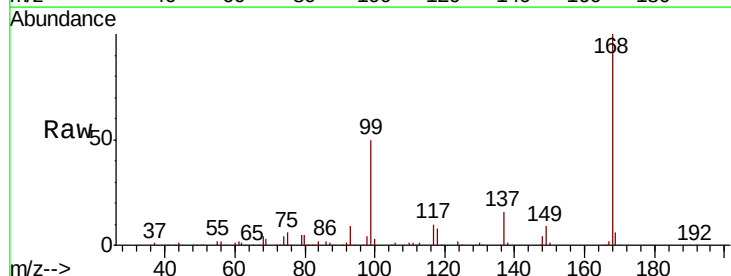
Instrument :
MSVOA_N
ClientSampleId :
PHASE-3-SOIL

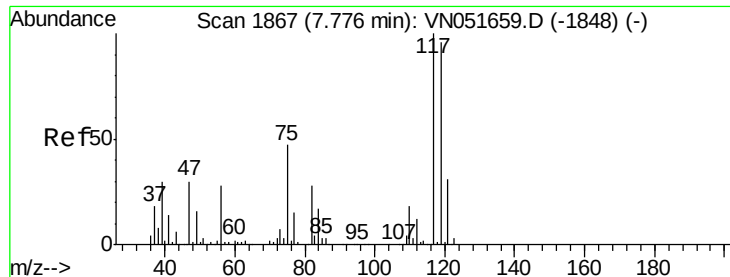
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.8
192	21.0	16.5	24.7



#36
1,1-Dichloropropene
Concen: 4.259 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.13 min
Lab File: VN051739.D
Acq: 8 Oct 2018 16:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	19.3	57.8#
77	0.1	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 5.052 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051739.D

Acq: 8 Oct 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

PHASE-3-SOIL

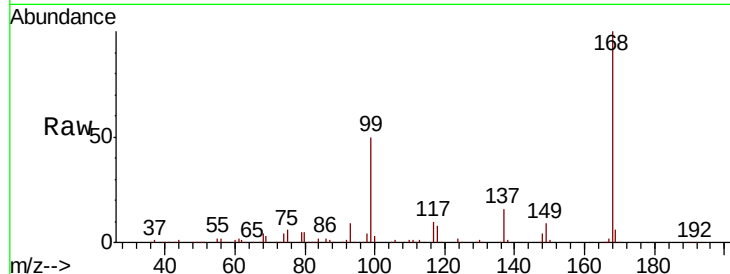
Tot Ion:117 Resp: 66879

Ion Ratio Lower Upper

117 100

119 4.2 77.0 115.6#

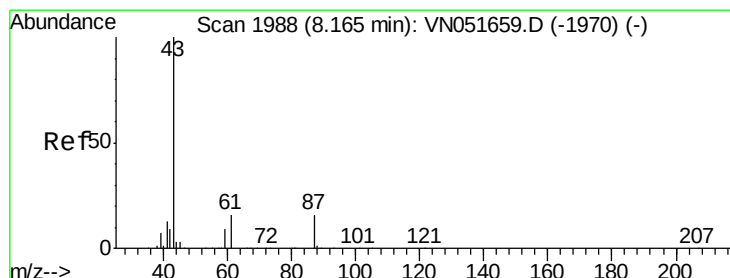
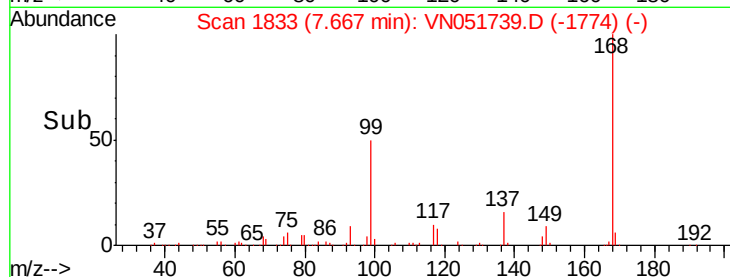
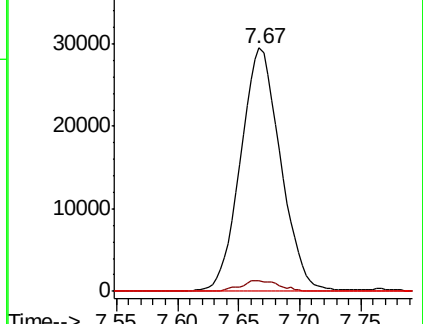
121 0.0 25.0 37.6#



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: 21.719 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051739.D

Acq: 8 Oct 2018 16:38

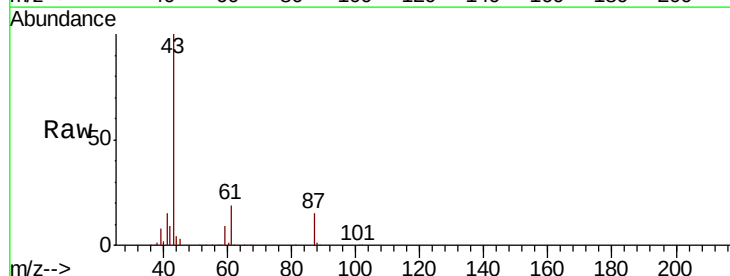
Tgt Ion: 43 Resp: 260536

Ion Ratio Lower Upper

43 100

61 18.7 15.8 23.6

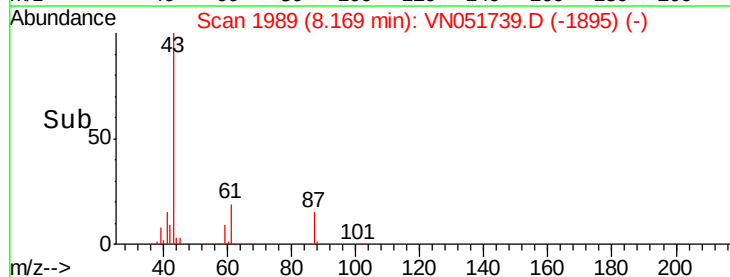
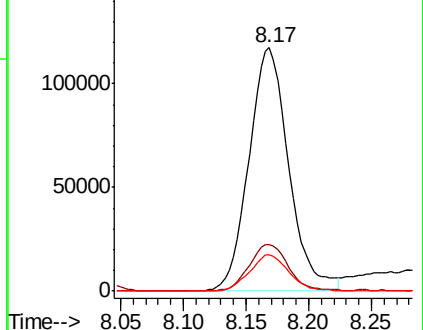
87 14.7 12.6 19.0

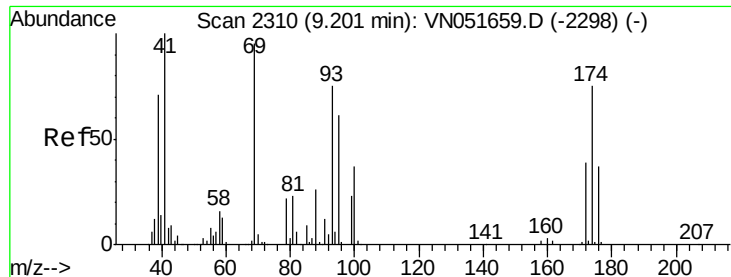


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

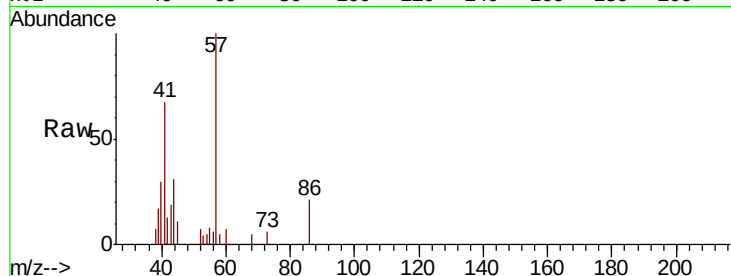




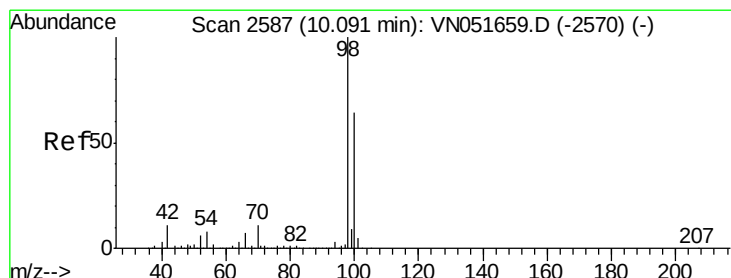
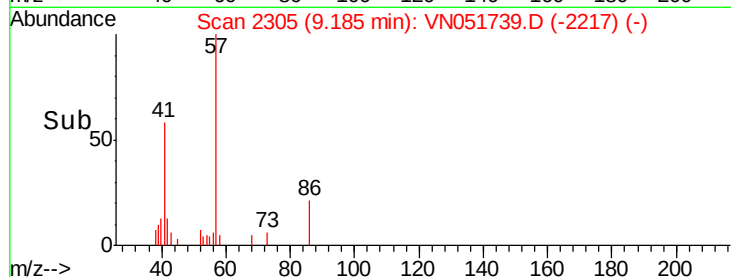
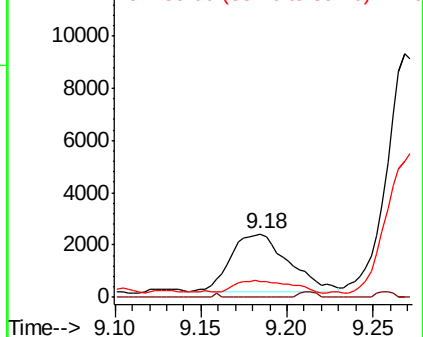
#48
Methvl methacrylate
Concen: 0.938 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN051739.D
Acq: 8 Oct 2018 16:38

Instrument :
MSVOA_N
ClientSampleId :
PHASE-3-SOIL

Tot Ion: 41 Resp: 5141
Ion Ratio Lower Upper
41 100
69 0.0 78.6 118.0#
39 22.0 59.2 88.8#

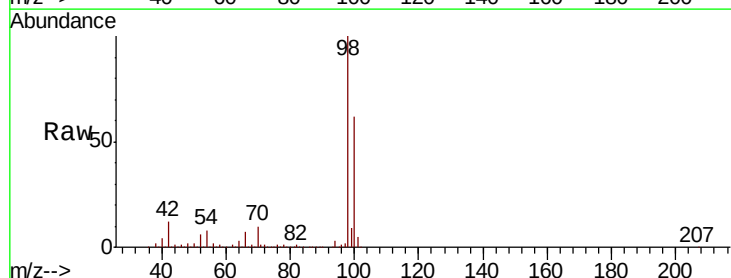


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

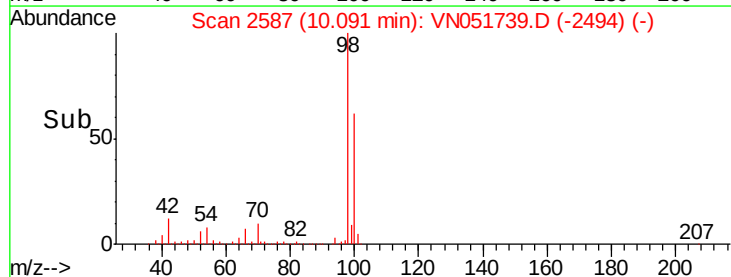
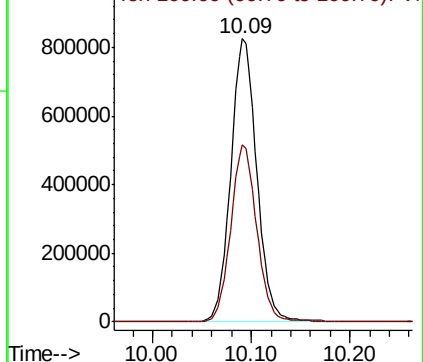


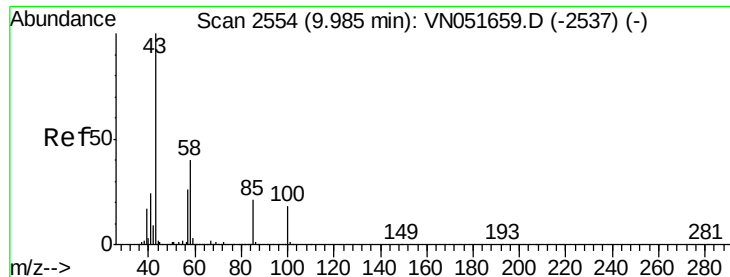
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051739.D
Acq: 8 Oct 2018 16:38

Tgt Ion: 98 Resp: 1517505
Ion Ratio Lower Upper
98 100
100 62.5 51.5 77.3



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

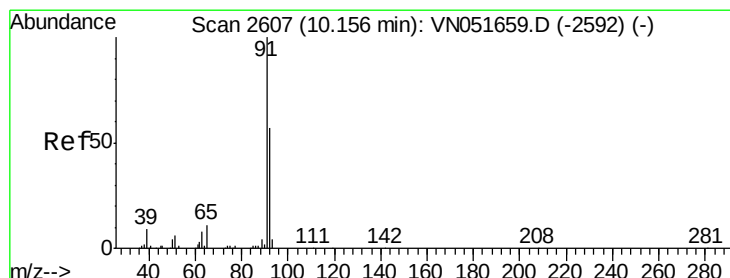
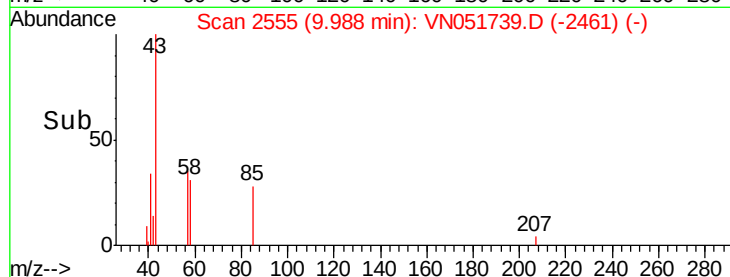
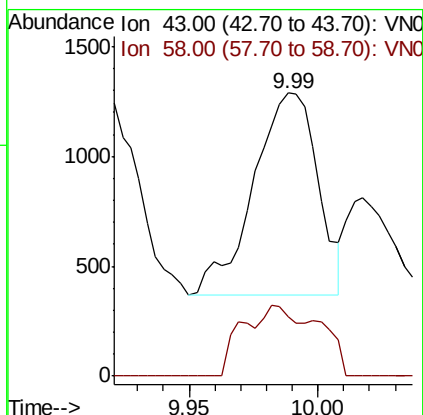
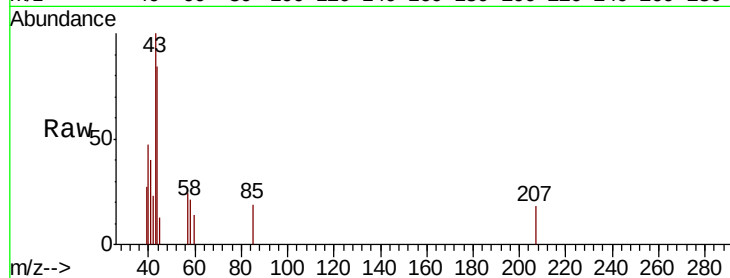




#51
4-Methyl-2-Pentanone
Concen: 0.264 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN051739.D
Acq: 8 Oct 2018 16:38

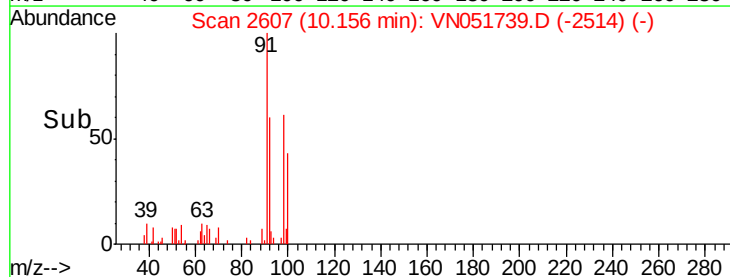
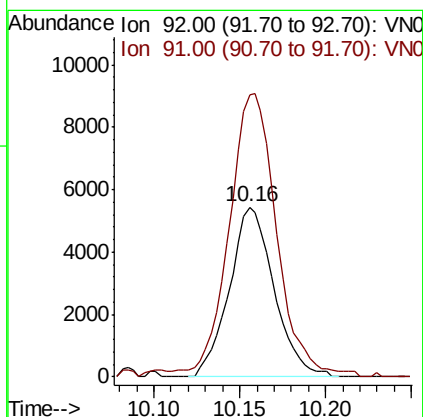
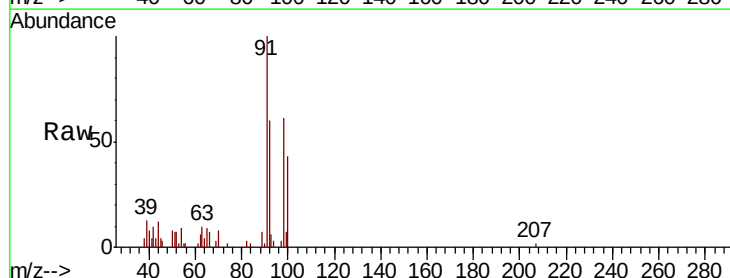
Instrument :
MSVOA_N
ClientSampled :
PHASE-3-SOIL

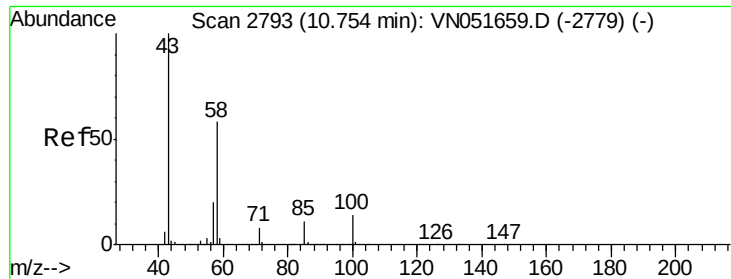
Tot Ion: 43 Resp: 1607
Ion Ratio Lower Upper
43 100
58 30.6 32.2 48.2#



#52
Toluene
Concen: 0.452 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051739.D
Acq: 8 Oct 2018 16:38

Tgt Ion: 92 Resp: 9823
Ion Ratio Lower Upper
92 100
91 177.4 140.3 210.5

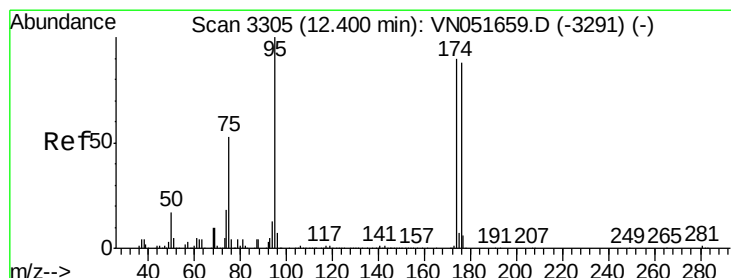
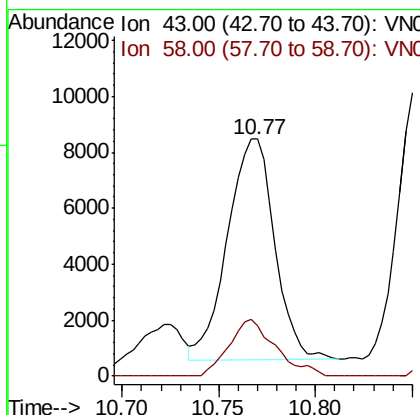
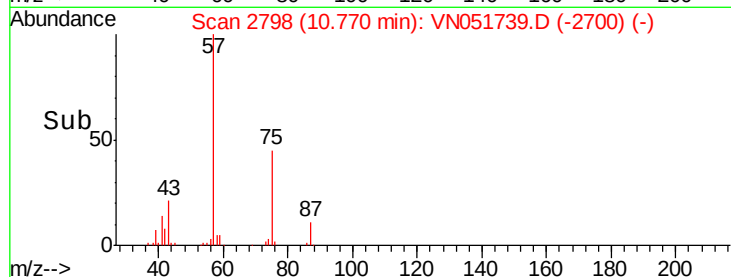
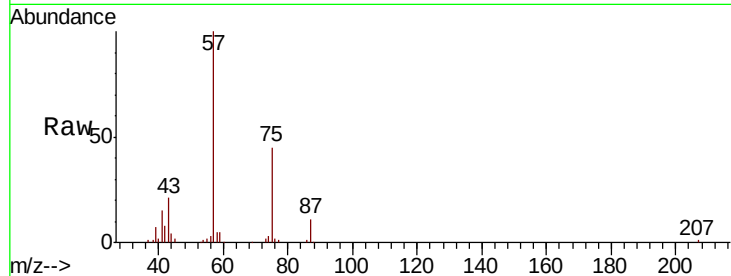




#59
2-Hexanone
Concen: 3.240 ug/l
RT: 10.77 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN051739.D
Acq: 8 Oct 2018 16:38

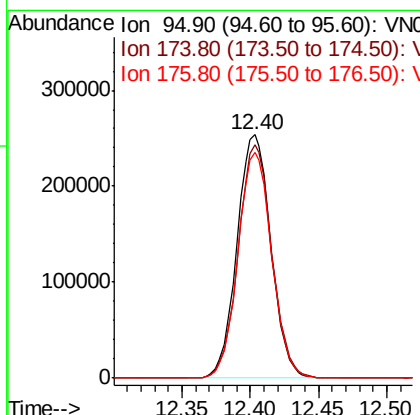
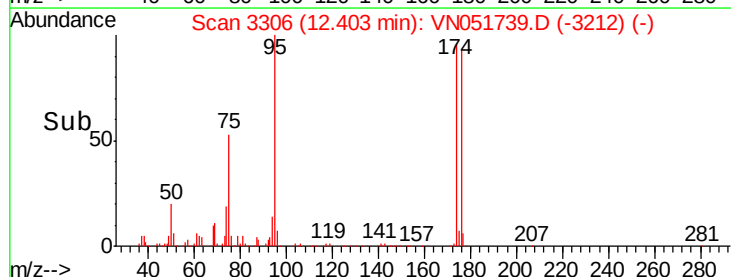
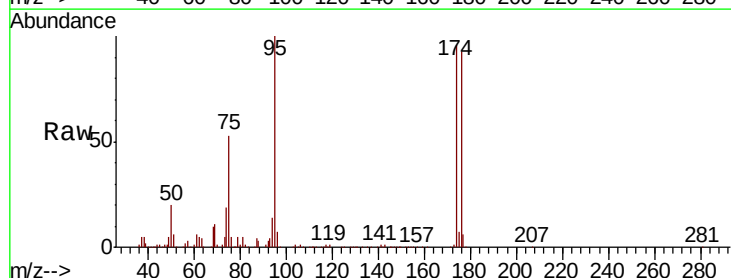
Instrument :
MSVOA_N
ClientSampleId :
PHASE-3-SOIL

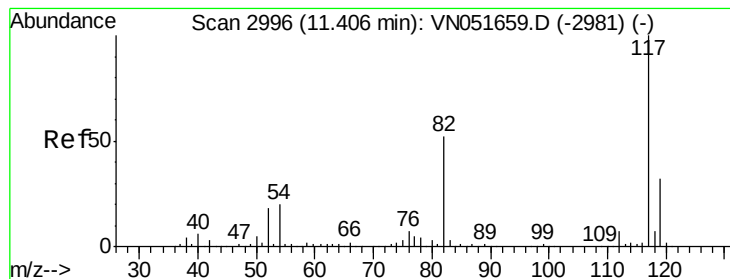
Tot Ion: 43 Resp: 13373
Ion Ratio Lower Upper
43 100
58 25.4 28.8 86.4#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051739.D
Acq: 8 Oct 2018 16:38

Tgt Ion: 95 Resp: 436999
Ion Ratio Lower Upper
95 100
174 95.0 0.0 182.8
176 92.3 0.0 176.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051739.D

Acq: 8 Oct 2018 16:38

Instrument :

MSVOA_N

ClientSampled :

PHASE-3-SOIL

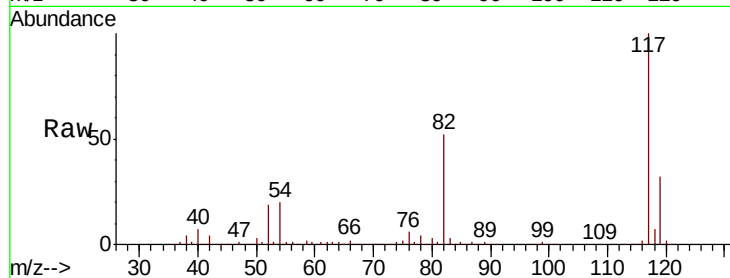
Tot Ion:117 Resp: 940426

Ion Ratio Lower Upper

117 100

82 51.6 41.3 61.9

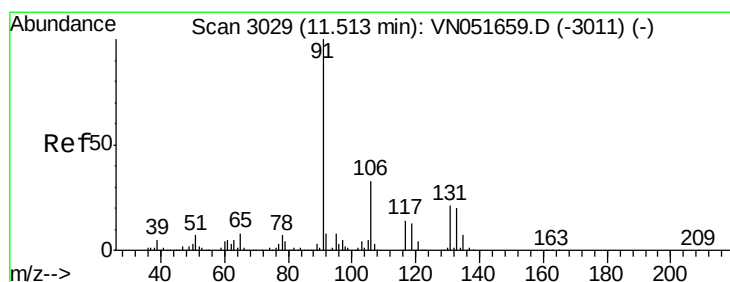
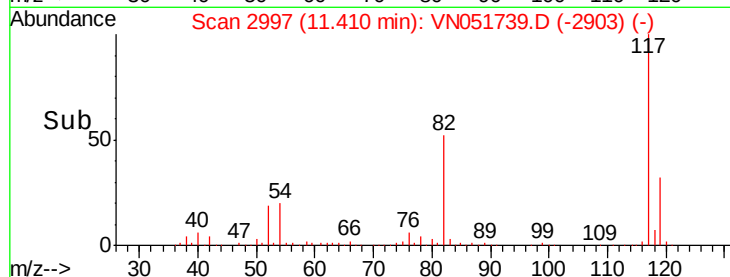
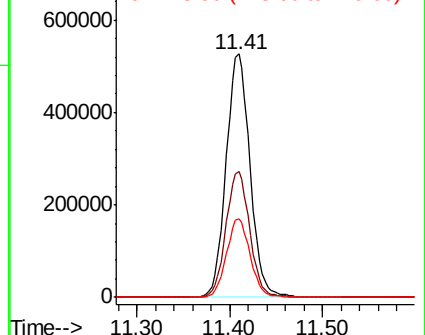
119 32.3 25.9 38.9



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: 0.468 ug/l

RT: 11.52 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN051739.D

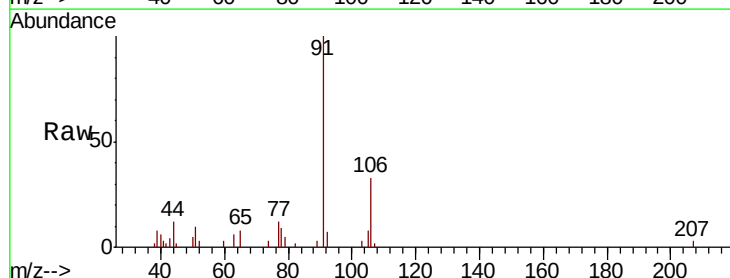
Acq: 8 Oct 2018 16:38

Tgt Ion: 91 Resp: 18846

Ion Ratio Lower Upper

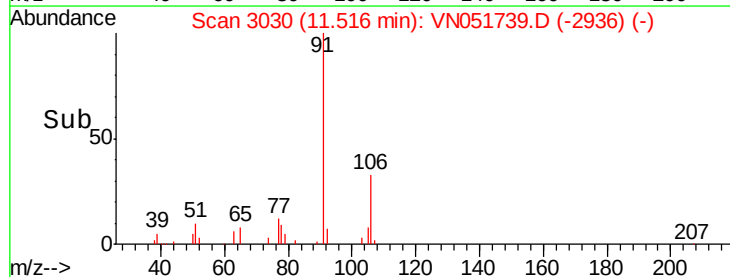
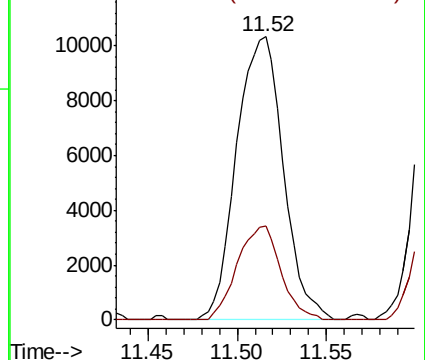
91 100

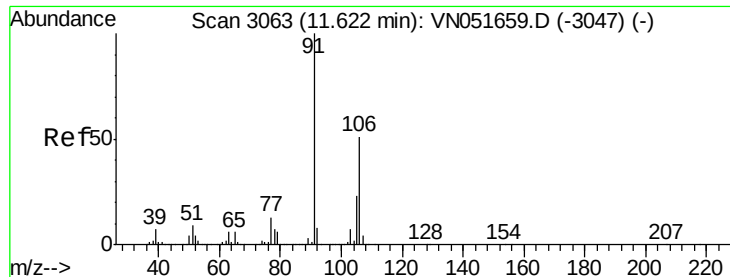
106 33.1 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

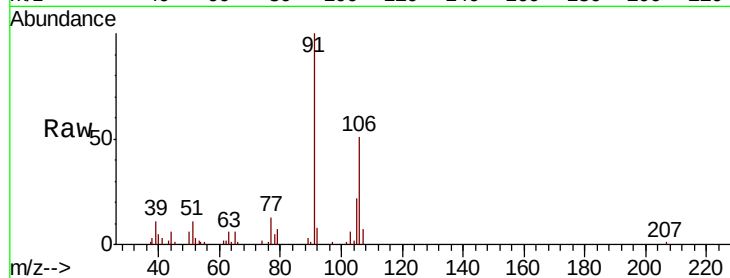




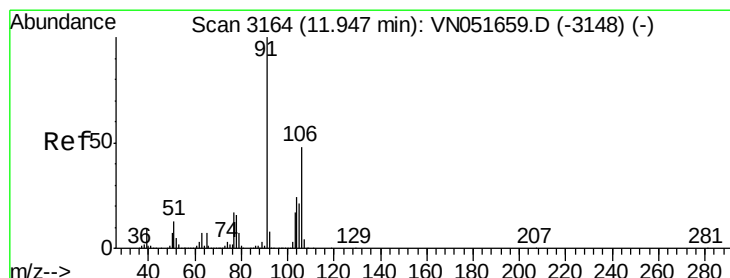
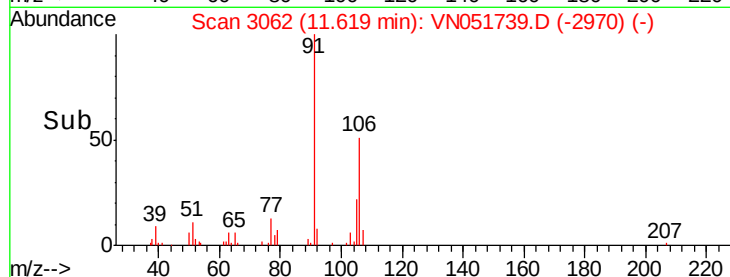
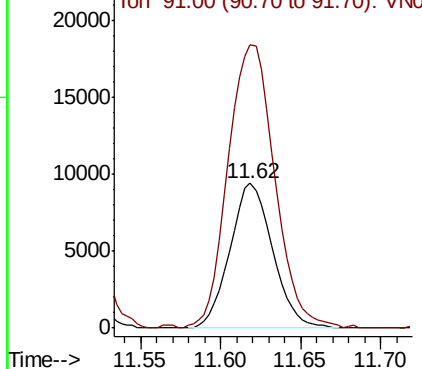
#68
m/p-Xylenes
Concen: 1.066 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051739.D
Acq: 8 Oct 2018 16:38

Instrument :
MSVOA_N
ClientSampled :
PHASE-3-SOIL

Tot Ion:106 Resp: 17169
Ion Ratio Lower Upper
106 100
91 213.9 158.4 237.6

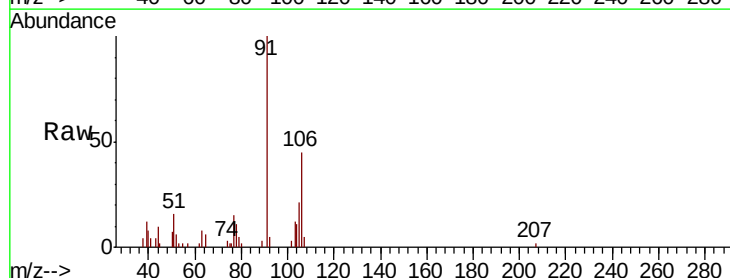


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

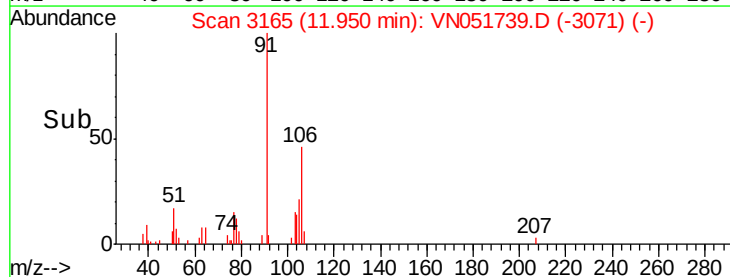
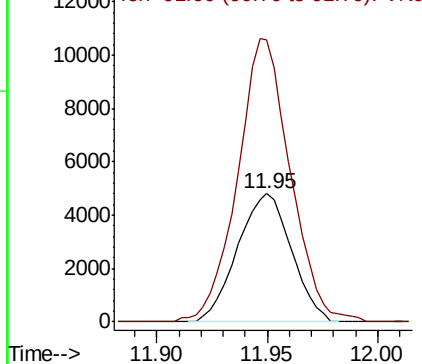


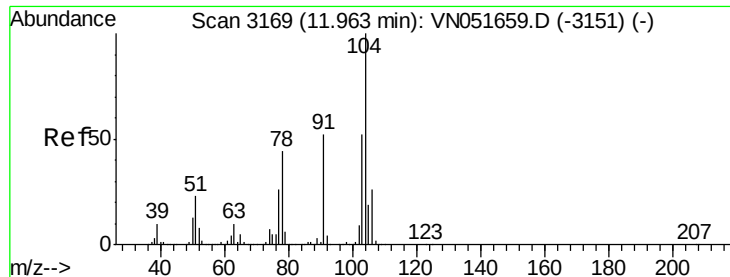
#69
o-Xylene
Concen: 0.515 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051739.D
Acq: 8 Oct 2018 16:38

Tgt Ion:106 Resp: 8128
Ion Ratio Lower Upper
106 100
91 216.5 104.4 313.2



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

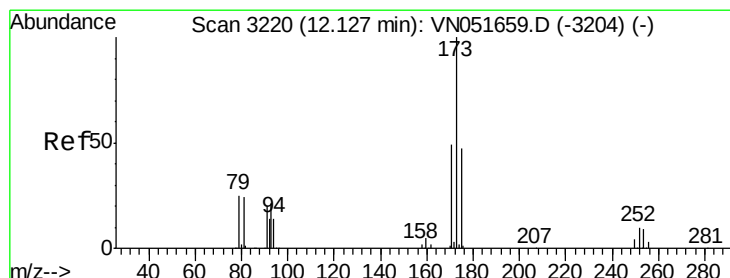
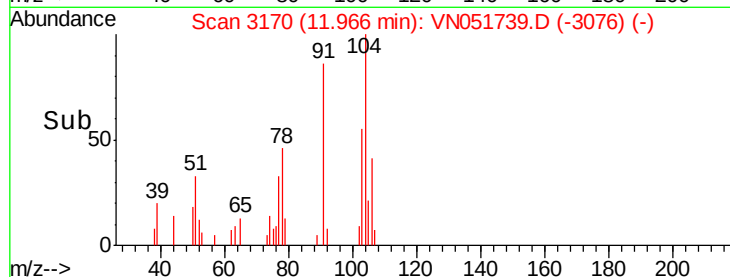
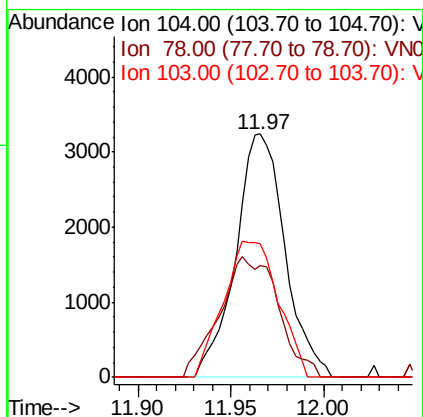
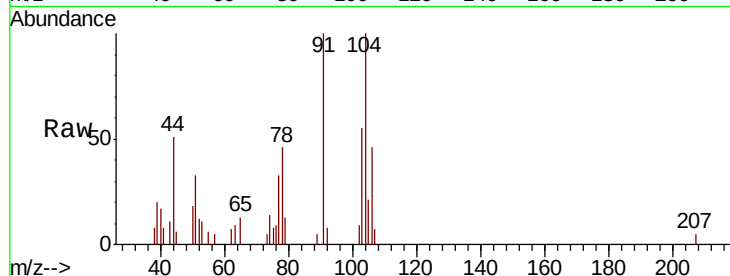




#70
Stvrene
Concen: 0.238 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051739.D
Acq: 8 Oct 2018 16:38

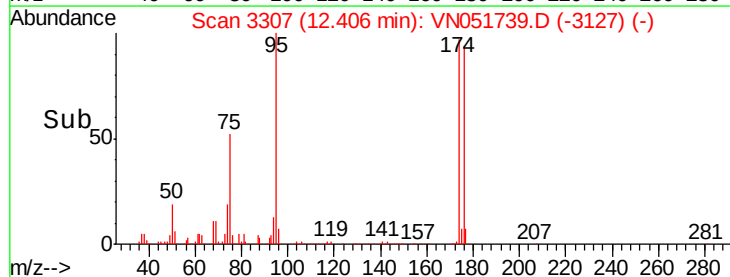
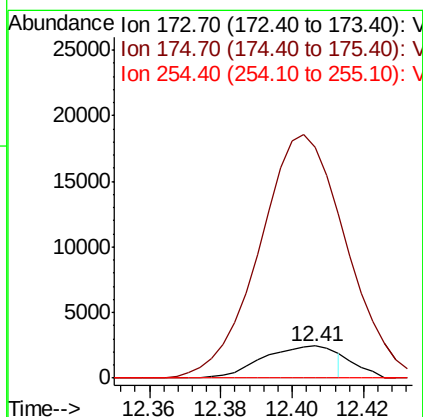
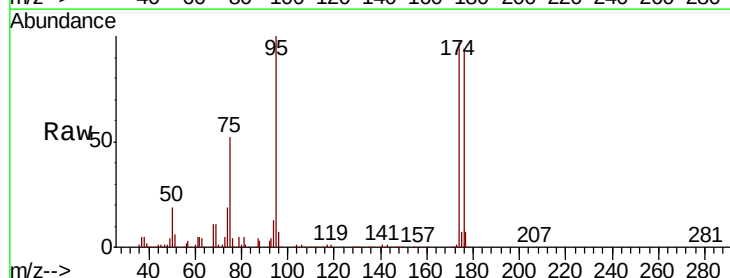
Instrument :
MSVOA_N
ClientSampled :
PHASE-3-SOIL

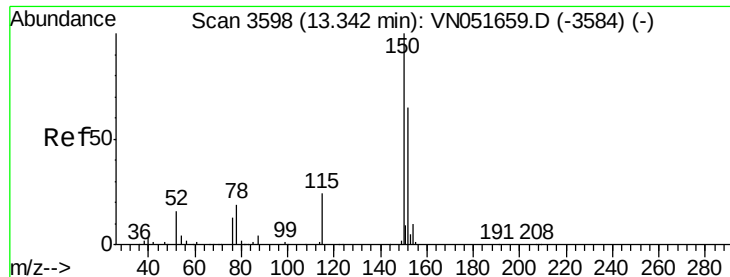
Tot Ion:104 Resp: 6003
Ion Ratio Lower Upper
104 100
78 59.1 39.3 58.9#
103 62.1 45.0 67.6



#71
Bromoform
Concen: 0.503 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN051739.D
Acq: 8 Oct 2018 16:38

Tgt Ion:173 Resp: 3490
Ion Ratio Lower Upper
173 100
175 755.9 24.0 72.0#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051739.D

Acq: 8 Oct 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

PHASE-3-SOIL

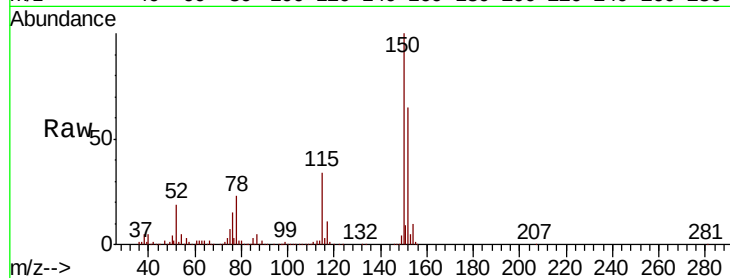
Tot Ion:152 Resp: 388889

Ion Ratio Lower Upper

152 100

115 53.3 28.6 85.8

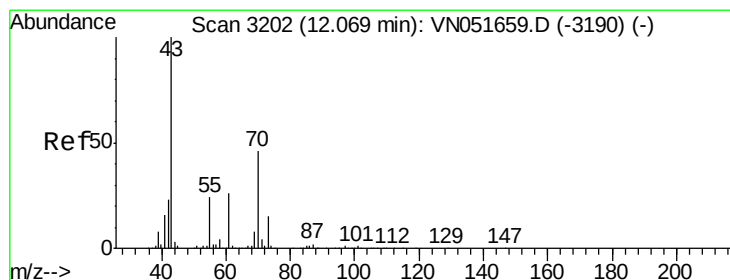
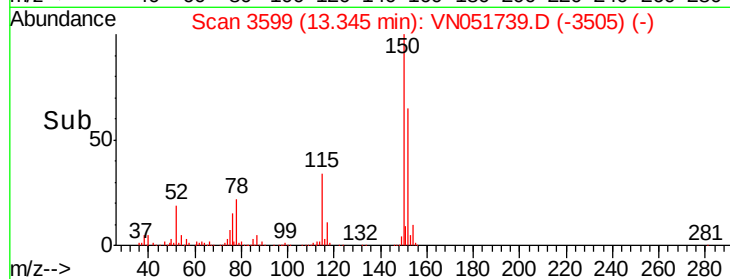
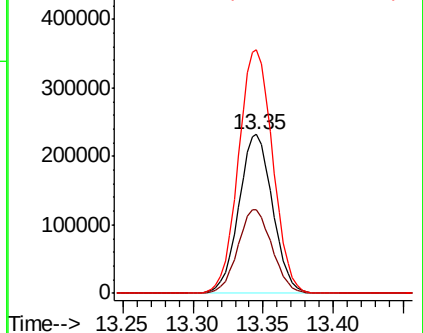
150 155.8 0.0 352.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.05 min Scan# 3197

Delta R.T. -0.02 min

Lab File: VN051739.D

Acq: 8 Oct 2018 16:38

Tgt Ion: 43 Resp: 440

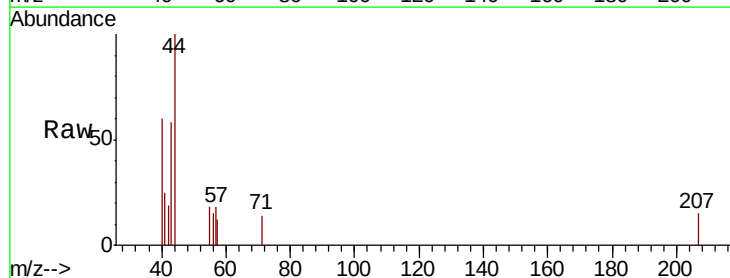
Ion Ratio Lower Upper

43 100

70 0.0 37.1 55.7#

55 0.0 19.1 28.7#

61 0.0 20.8 31.2#

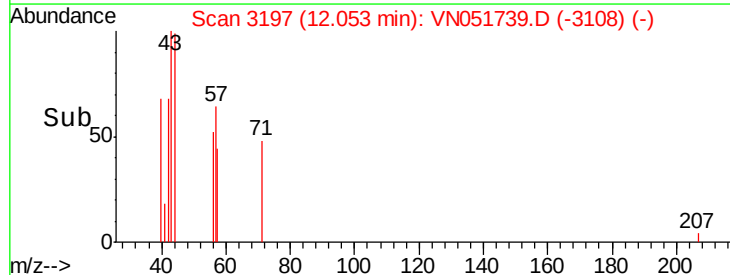
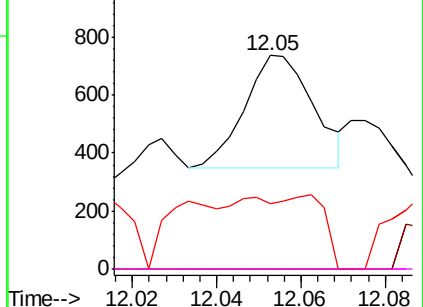


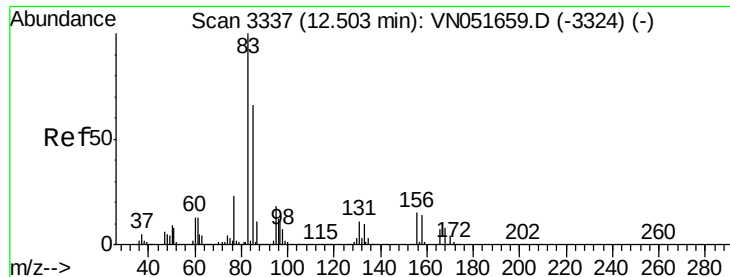
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.10 min

Lab File: VN051739.D

Acq: 8 Oct 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

PHASE-3-SOIL

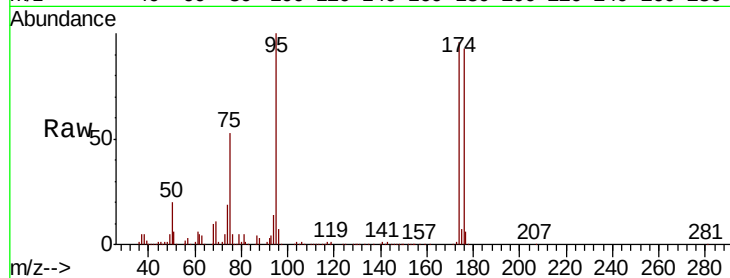
Tot Ion: 83 Resp: 670

Ion Ratio Lower Upper

83 100

131 96.9 5.7 17.1#

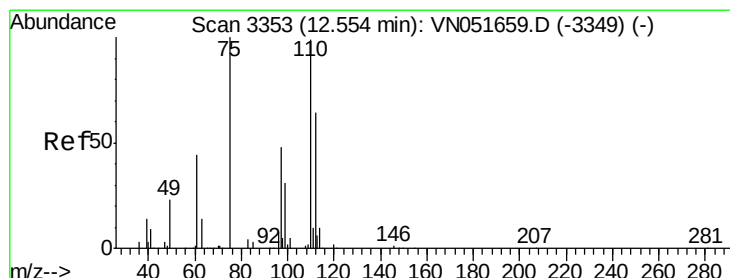
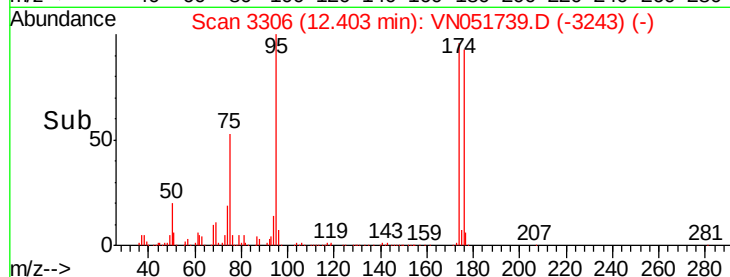
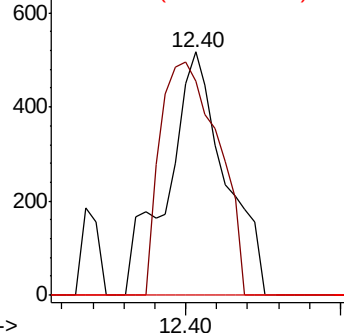
85 0.0 33.0 98.9#



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: 48.330 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051739.D

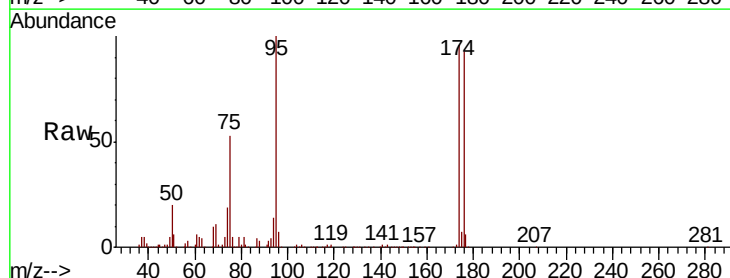
Acq: 8 Oct 2018 16:38

Tgt Ion: 75 Resp: 234197

Ion Ratio Lower Upper

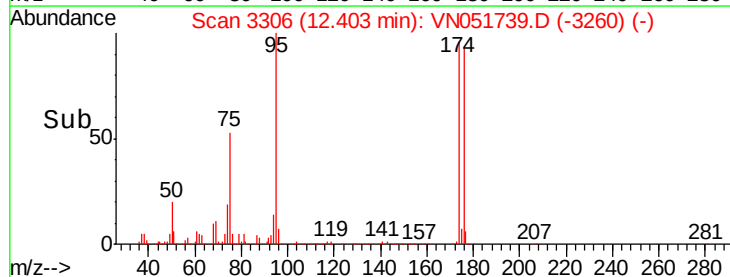
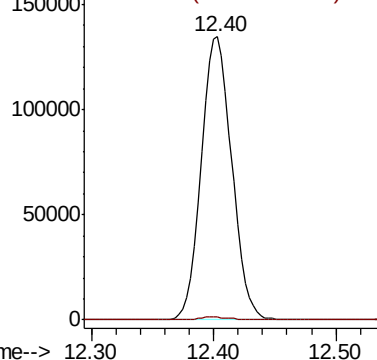
75 100

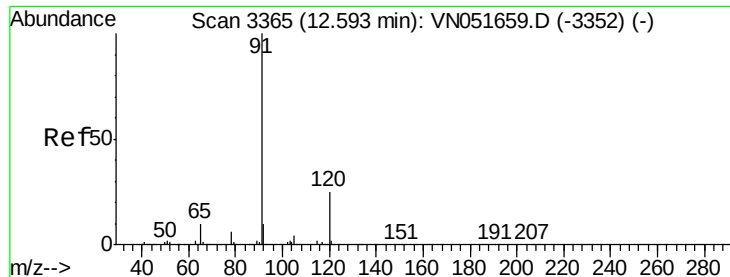
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 0.222 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051739.D

Acq: 8 Oct 2018 16:38

Instrument :

MSVOA_N

ClientSampleId :

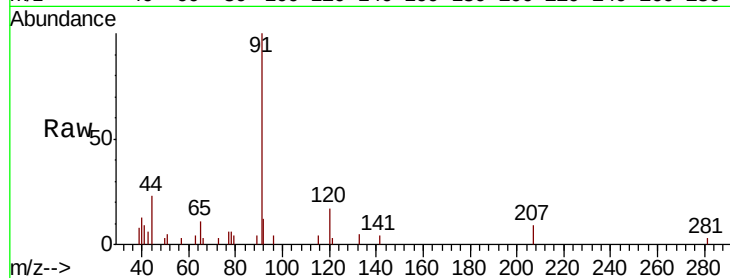
PHASE-3-SOIL

Tot Ion: 91 Resp: 8017

Ion Ratio Lower Upper

91 100

120 20.5 12.4 37.2

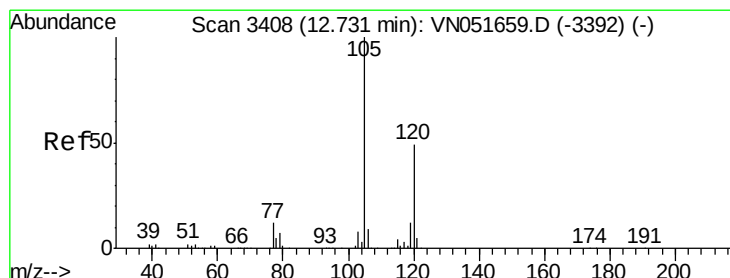
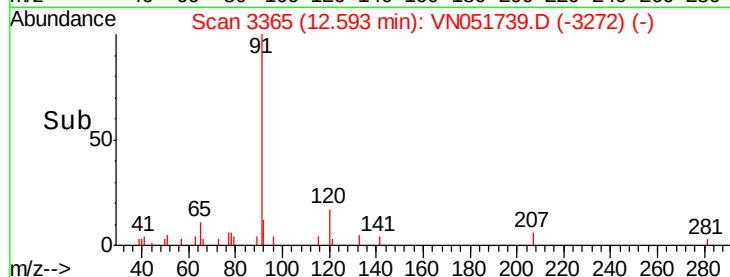


Abundance Ion 91.00 (90.70 to 91.70): VN051739.D (-3272) (-)

Ion 120.00 (119.70 to 120.70): VN051739.D (-3272) (-)

12.59

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.578 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051739.D

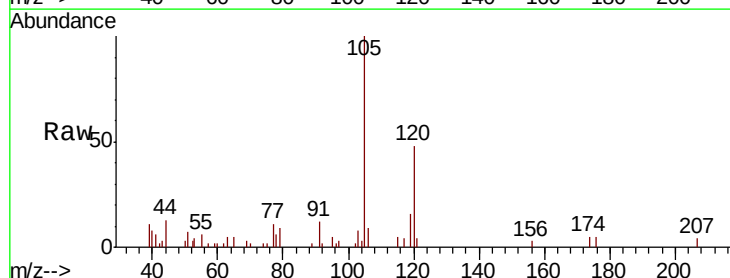
Acq: 8 Oct 2018 16:38

Tgt Ion: 105 Resp: 16158

Ion Ratio Lower Upper

105 100

120 49.6 24.6 74.0

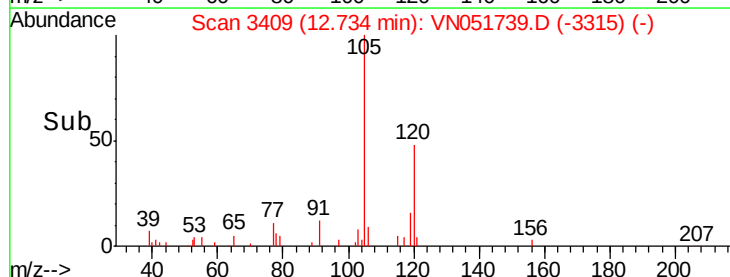


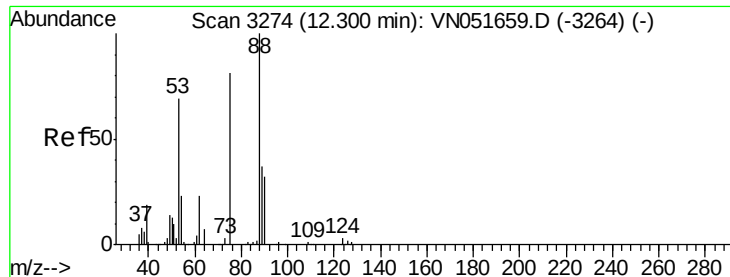
Abundance Ion 105.00 (104.70 to 105.70): VN051739.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN051739.D (-3315) (-)

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 110.700 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051739.D

Acq: 8 Oct 2018 16:38

Instrument :

MSVOA_N

ClientSampled :

PHASE-3-SOIL

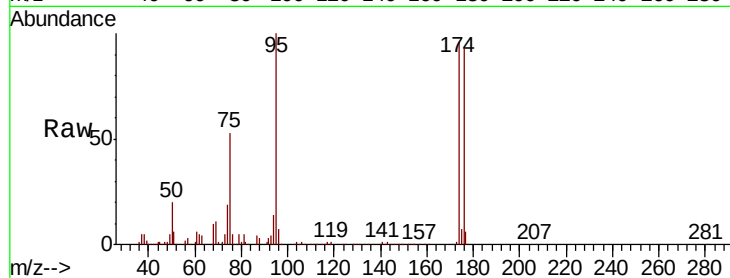
Tot Ion: 75 Resp: 234197

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

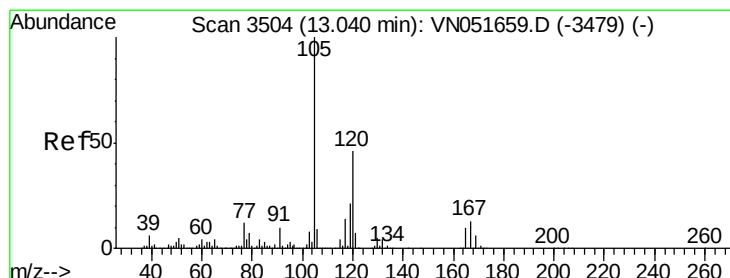
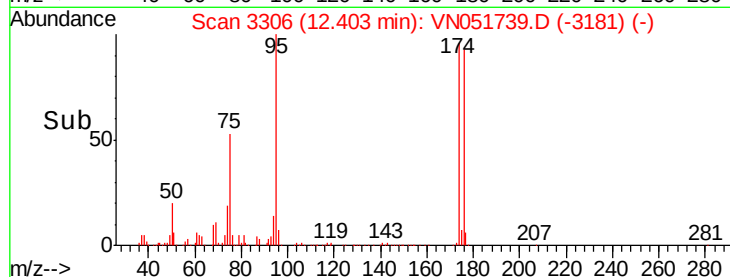
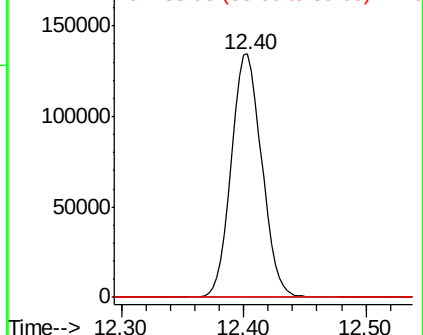
89 0.0 39.4 59.2#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.957 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN051739.D

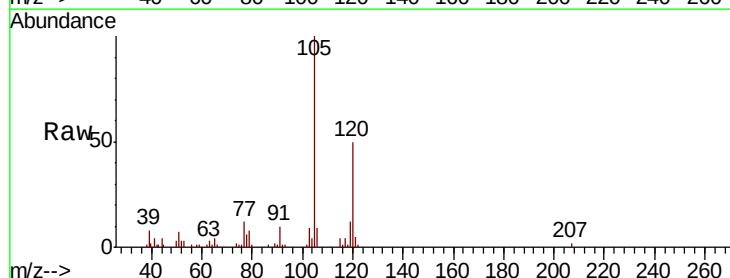
Acq: 8 Oct 2018 16:38

Tgt Ion: 105 Resp: 54754

Ion Ratio Lower Upper

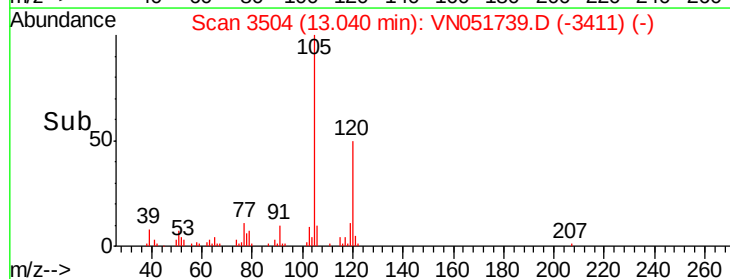
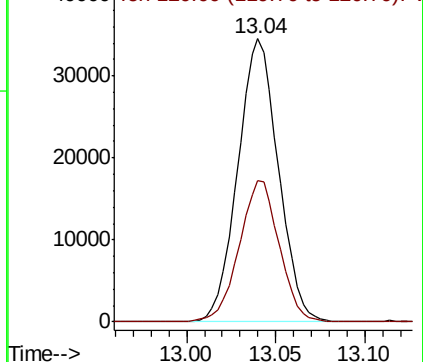
105 100

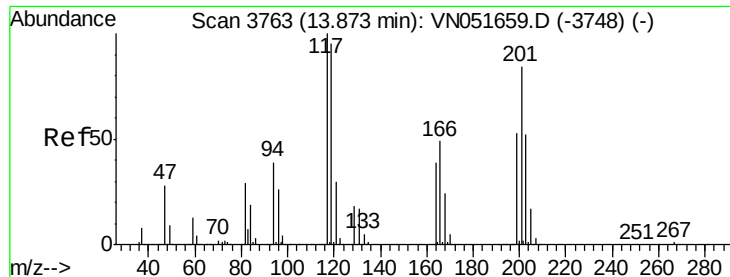
120 49.2 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 0.414 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.01 min

Lab File: VN051739.D

Acq: 8 Oct 2018 16:38

Instrument :

MSVOA_N

ClientSampled :

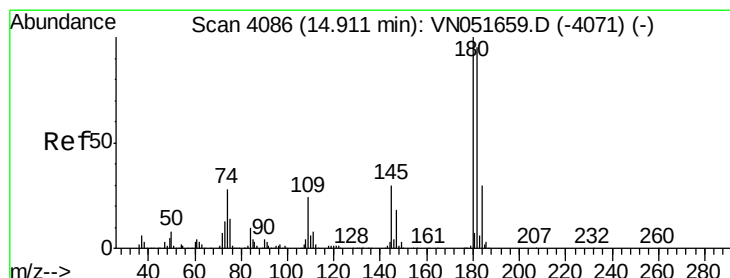
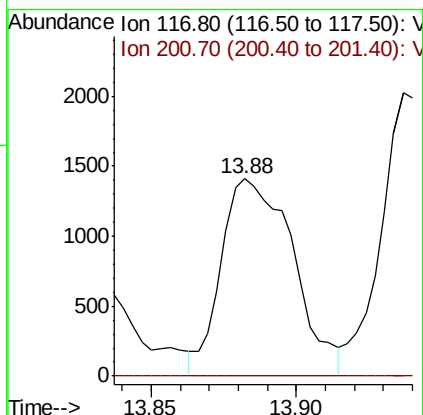
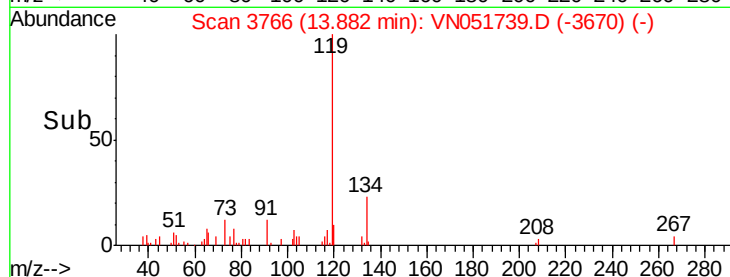
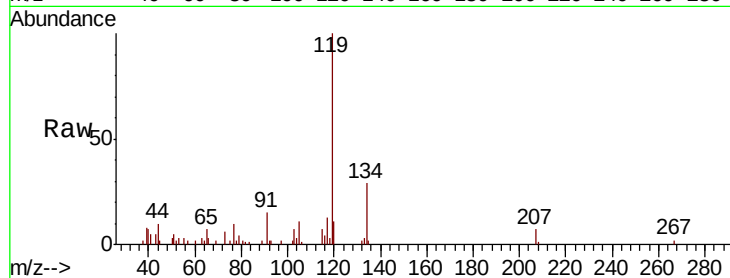
PHASE-3-SOIL

Tot Ion:117 Resp: 2427

Ion Ratio Lower Upper

117 100

201 0.0 42.4 127.3#



#93

1,2,4-Trichlorobenzene

Concen: 0.561 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051739.D

Acq: 8 Oct 2018 16:38

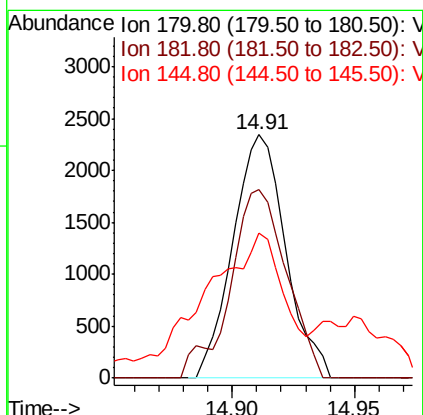
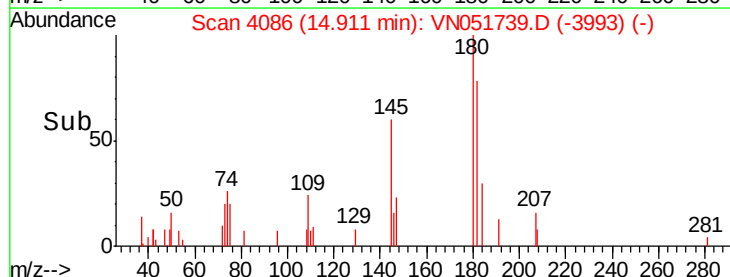
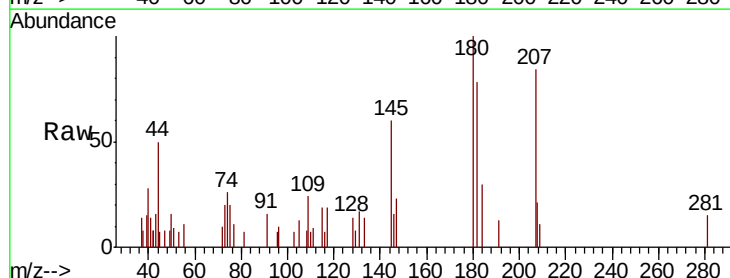
Tgt Ion:180 Resp: 3505

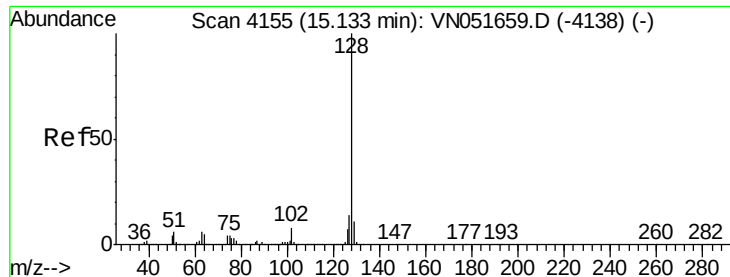
Ion Ratio Lower Upper

180 100

182 82.7 47.7 143.1

145 70.5 15.3 45.9#





#95

Naphthalene

Concen: 13.318 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051739.D

Acq: 8 Oct 2018 16:38

Instrument :

MSVOA_N

ClientSampled :

PHASE-3-SOIL

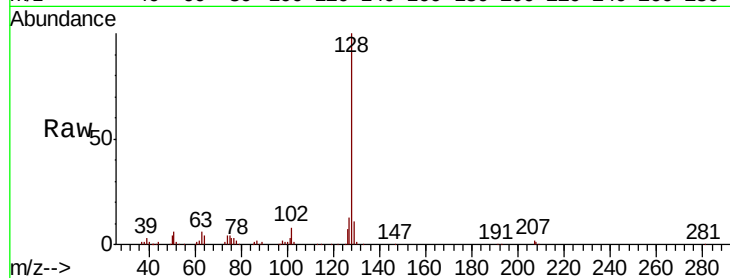
Tot Ion:128 Resp: 179693

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

129 10.9 9.0 13.6



Abundance Ion 128.00 (127.70 to 128.70): V

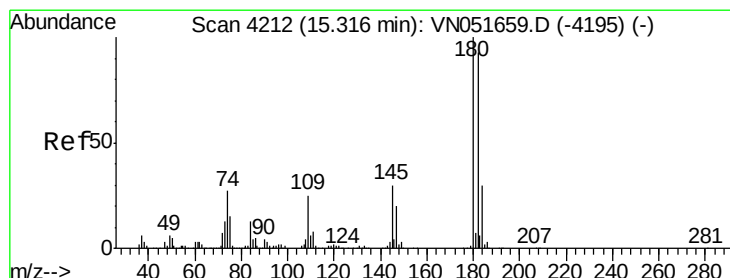
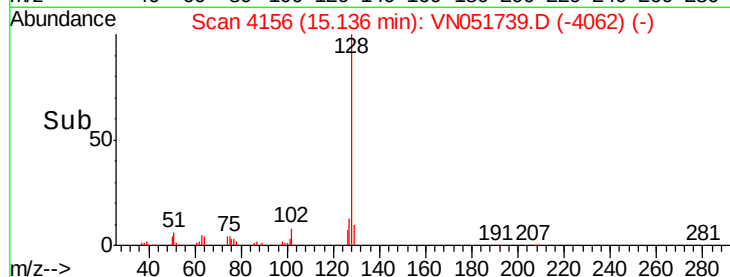
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

100000 15.14

50000

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 0.237 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051739.D

Acq: 8 Oct 2018 16:38

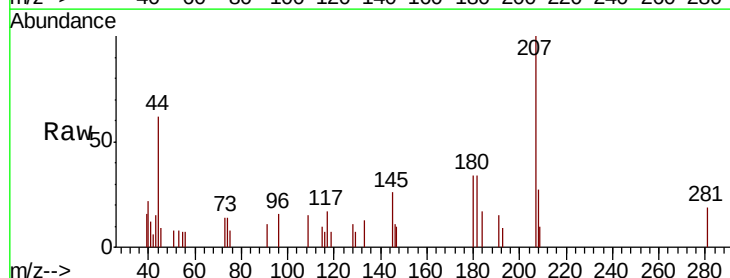
Tgt Ion:180 Resp: 1457

Ion Ratio Lower Upper

180 100

182 105.5 47.3 141.8

145 38.6 15.6 46.8



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

1200 15.31

800

600

400

200

Time-->

