

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
 Data File : VN051740.D
 Acq On : 8 Oct 2018 17:02
 Operator : MD\SY
 Sample : J5305-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 331-SAND-SOIL

Quant Time: Oct 09 03:59:50 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	733338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1034739	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	902501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	346625	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	430378	44.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.84%	
35) Dibromofluoromethane	7.59	113	396398	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.09	98	1474617	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.40	95	412994	39.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.18%	

Target Compounds

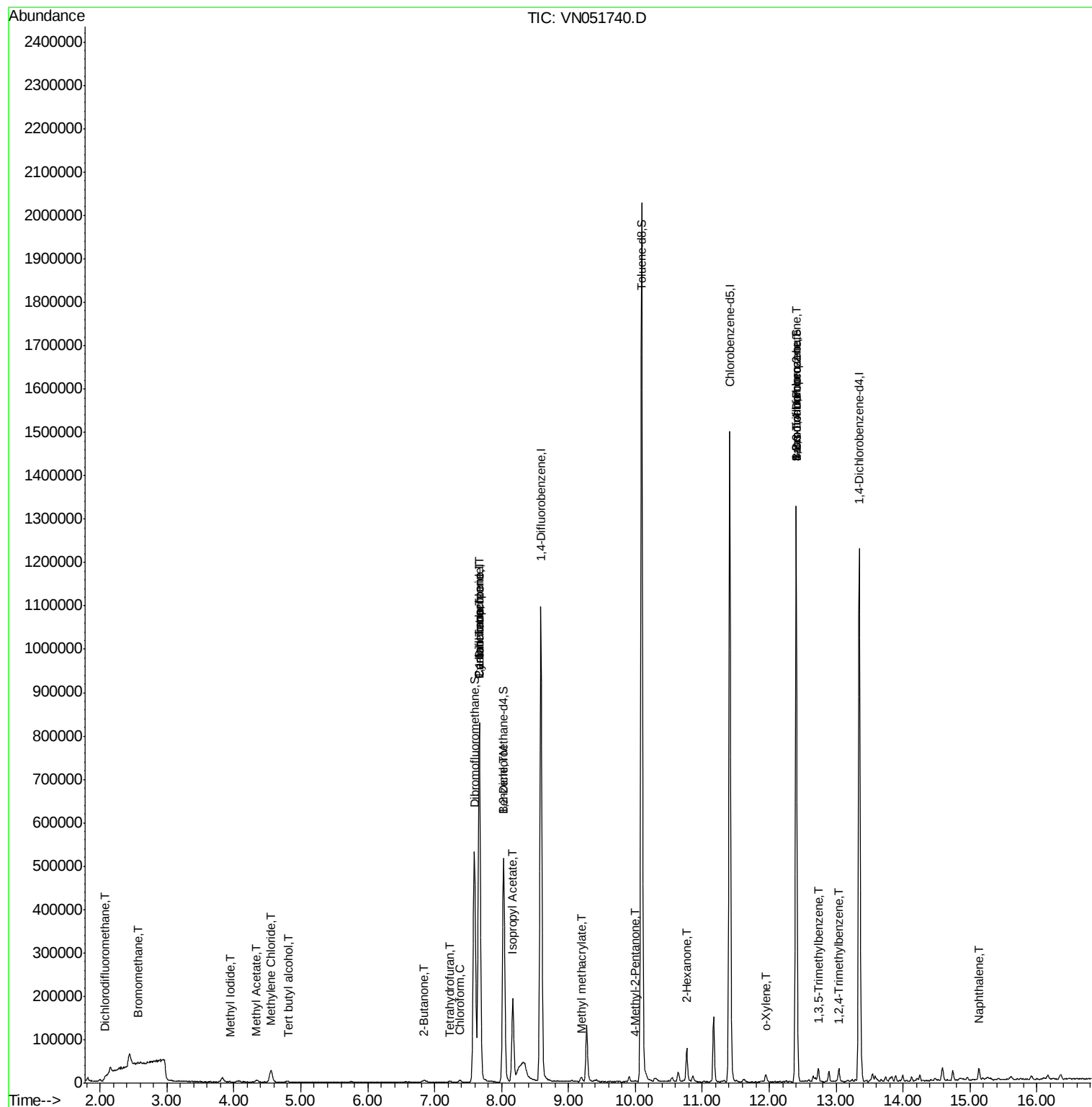
					Qvalue	
2) Dichlorodifluoromethane	2.07	85	31	1.152	ug/l #	42
5) Bromomethane	2.57	94	2601	0.257	ug/l	97
7) Trichlorofluoromethane	2.95	101	94	Below Cal	#	19
10) Methyl Iodide	3.95	142	34	2.341	ug/l #	41
11) Tert butyl alcohol	4.80	59	225	0.342	ug/l #	1
16) Acetone	3.83	43	15649	Below Cal		91
18) Methyl Acetate	4.33	43	6811	1.274	ug/l	93
20) Methylene Chloride	4.55	84	19691	2.470	ug/l	96
25) 2-Butanone	6.84	43	628	0.224	ug/l	90
29) Tetrahydrofuran	7.23	42	1475	0.859	ug/l #	38
30) Chloroform	7.37	83	4663	0.289	ug/l	91
31) Cyclohexane	7.67	56	15580	1.185	ug/l #	31
36) 1,1-Dichloropropene	7.67	75	48262	4.462	ug/l #	44
38) Carbon Tetrachloride	7.67	117	65614	5.056	ug/l #	15
40) Benzene	8.04	78	6529	0.204	ug/l	95
41) Methacrylonitrile	7.17	41	63	Below Cal	#	6
43) Isopropyl Acetate	8.17	43	227523	19.346	ug/l	98
48) Methyl methacrylate	9.19	41	5154	0.959	ug/l #	9
51) 4-Methyl-2-Pentanone	9.99	43	1195	0.201	ug/l	88
59) 2-Hexanone	10.77	43	10560	2.609	ug/l #	41
69) o-Xylene	11.95	106	4503	0.297	ug/l	93
71) Bromoform	12.40	173	3703	0.556	ug/l #	1
74) N-amyl acetate	12.06	43	171	Below Cal	#	41
75) 1,1,2,2-Tetrachloroethane	12.41	83	554	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	223260	52.002	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	14380	0.577	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	223260	118.398	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.04	105	17411	0.698	ug/l	98
95) Naphthalene	15.13	128	22922	1.906	ug/l	97

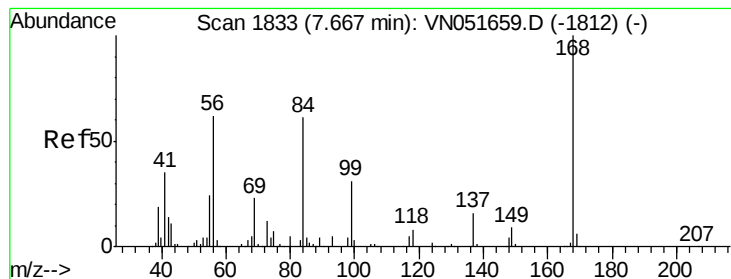
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 05 02:22:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051740.D

Acq: 8 Oct 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

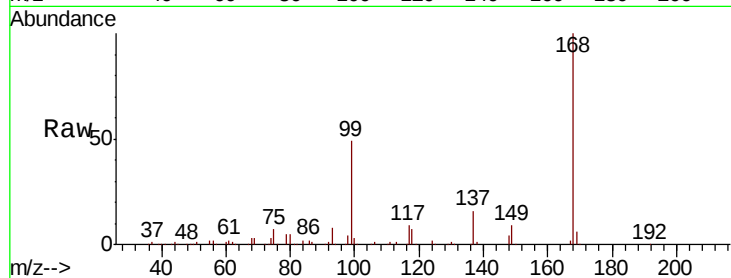
331-SAND-SOIL

Tot Ion:168 Resp: 733338

Ion Ratio Lower Upper

168 100

99 48.7 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

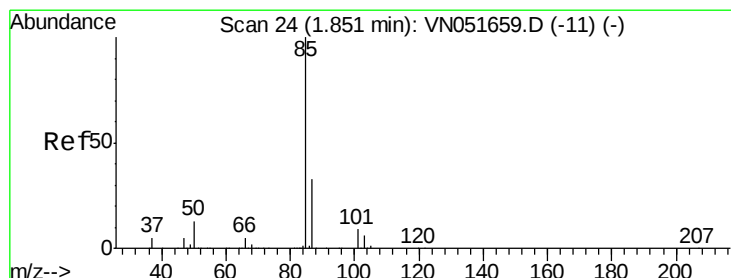
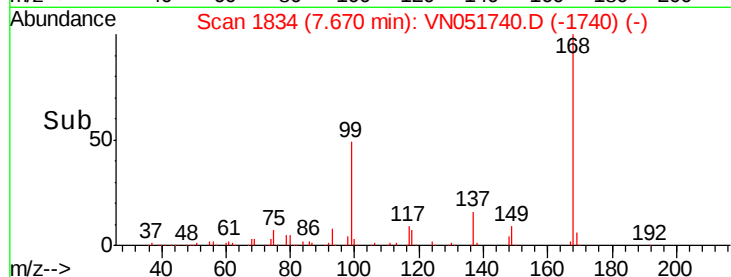
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.152 ug/l

RT: 2.07 min Scan# 93

Delta R.T. 0.22 min

Lab File: VN051740.D

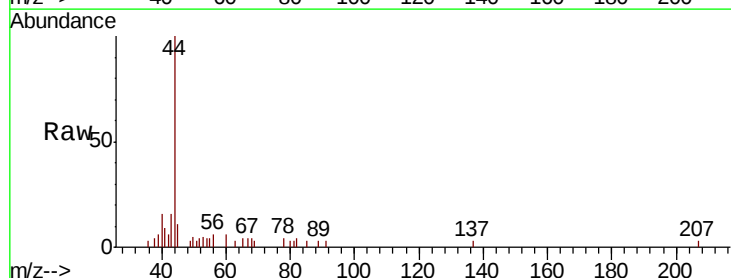
Acq: 8 Oct 2018 17:02

Tgt Ion: 85 Resp: 31

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.4#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

2.07

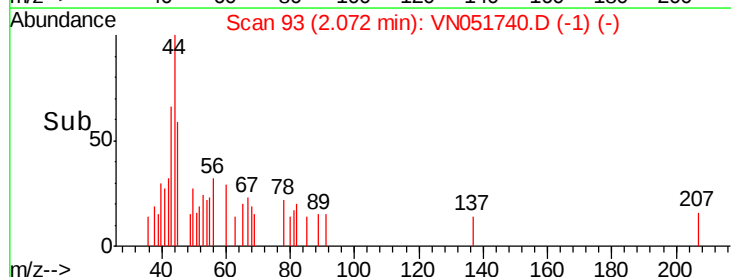
150

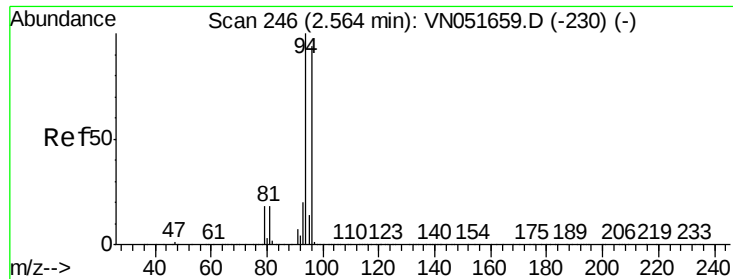
100

50

0

Time-->





#5

Bromomethane

Concen: 0.257 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051740.D

Acq: 8 Oct 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

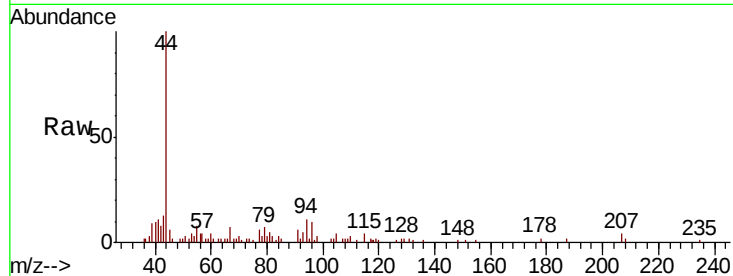
331-SAND-SOIL

Tot Ion: 94 Resp: 2601

Ion Ratio Lower Upper

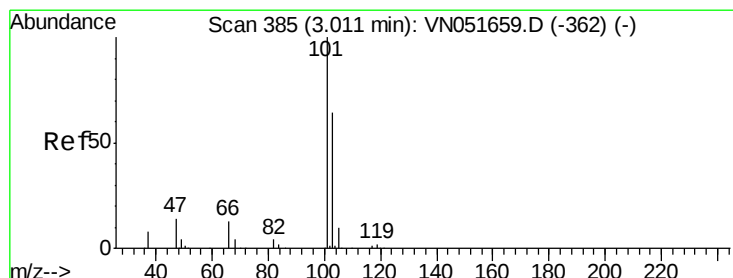
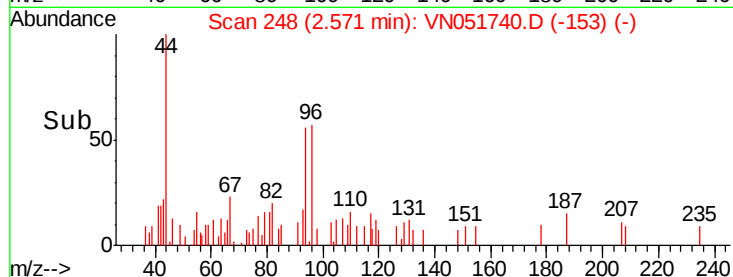
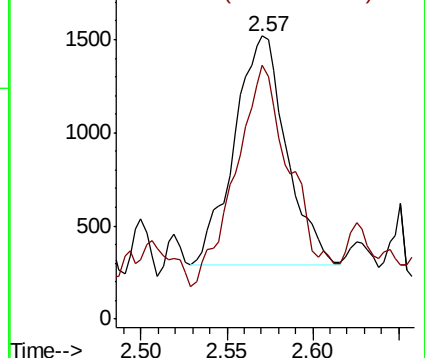
94 100

96 96.9 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 2.95 min Scan# 365

Delta R.T. -0.06 min

Lab File: VN051740.D

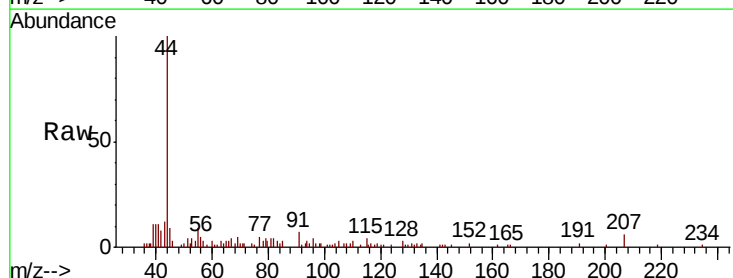
Acq: 8 Oct 2018 17:02

Tgt Ion:101 Resp: 94

Ion Ratio Lower Upper

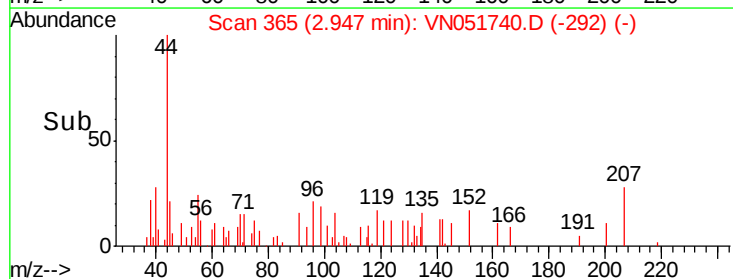
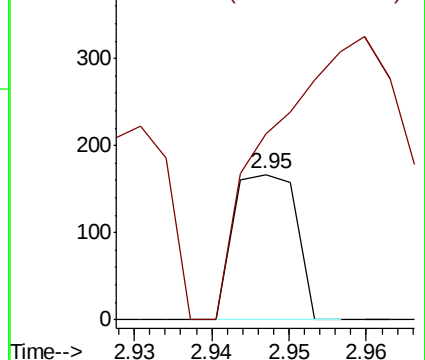
101 100

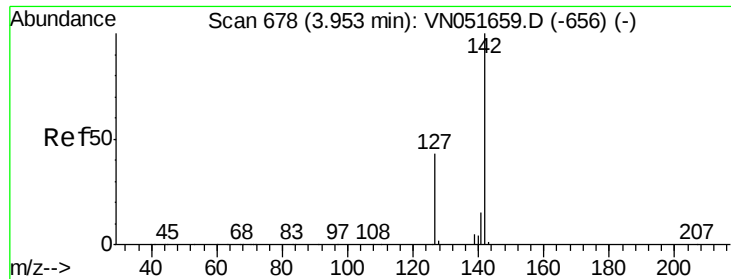
103 127.5 51.1 76.7#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

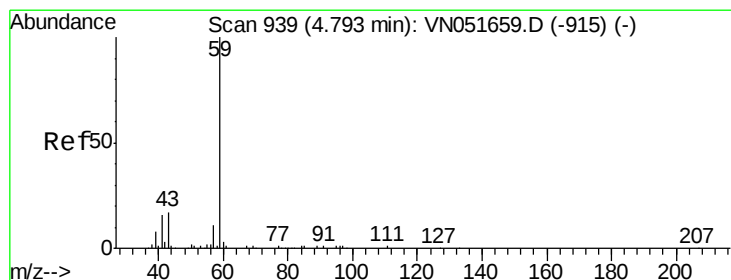
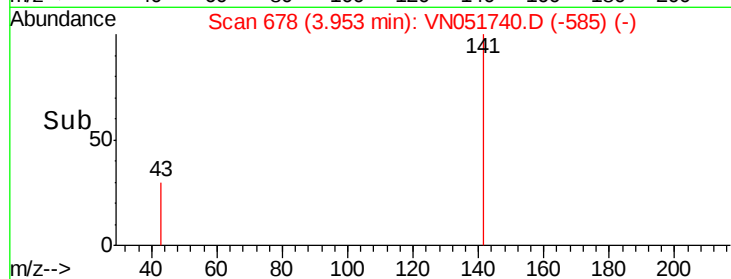
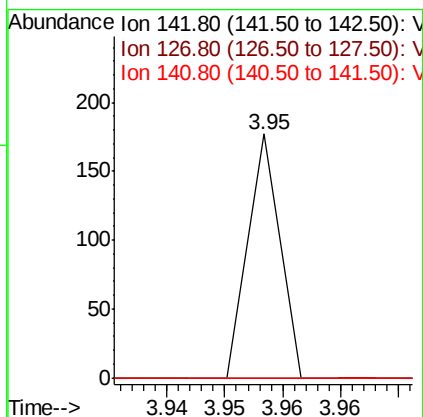
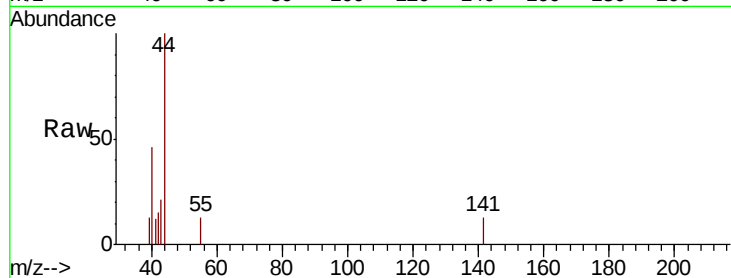




#10
Methvl Iodide
Concen: 2.341 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051740.D
Acq: 8 Oct 2018 17:02

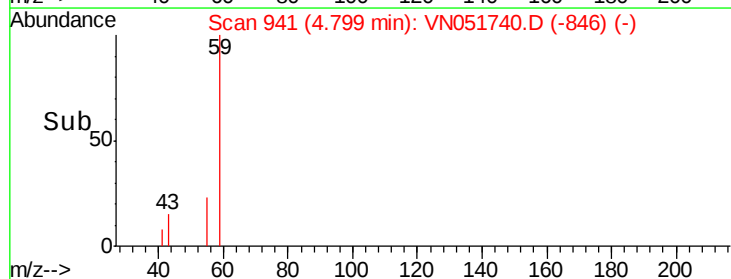
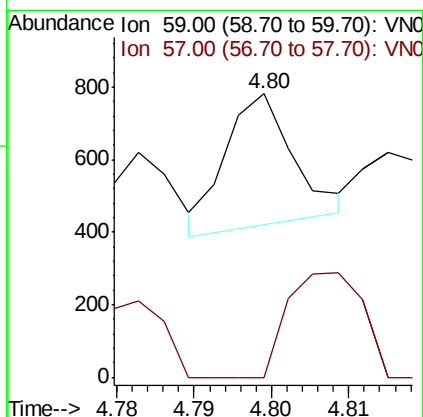
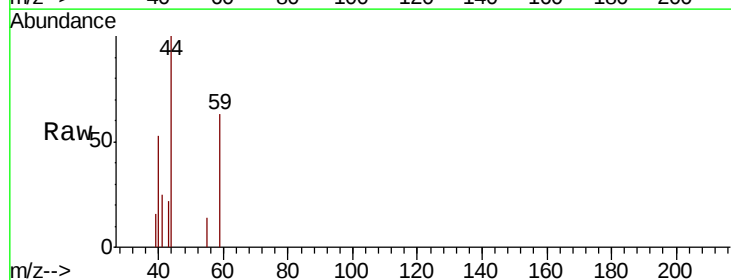
Instrument :
MSVOA_N
ClientSampleId :
331-SAND-SOIL

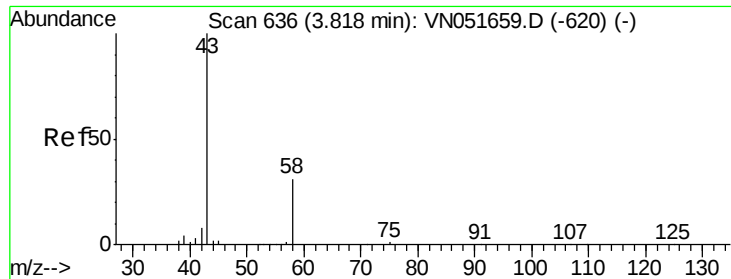
Tot Ion:142 Resp: 34
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.342 ug/l
RT: 4.80 min Scan# 941
Delta R.T. 0.01 min
Lab File: VN051740.D
Acq: 8 Oct 2018 17:02

Tgt Ion: 59 Resp: 225
Ion Ratio Lower Upper
59 100
57 85.8 8.1 12.1#





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN051740.D

Acq: 8 Oct 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

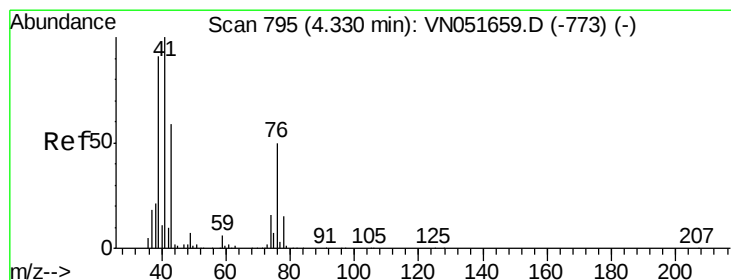
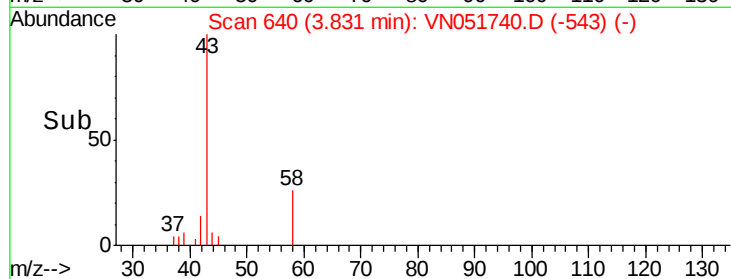
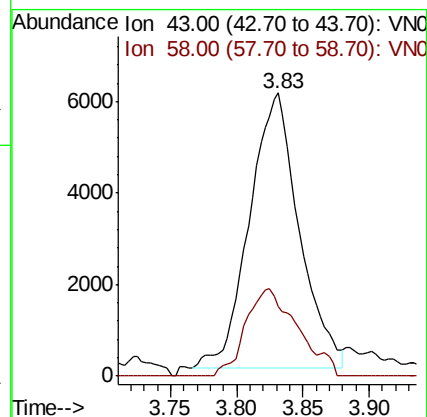
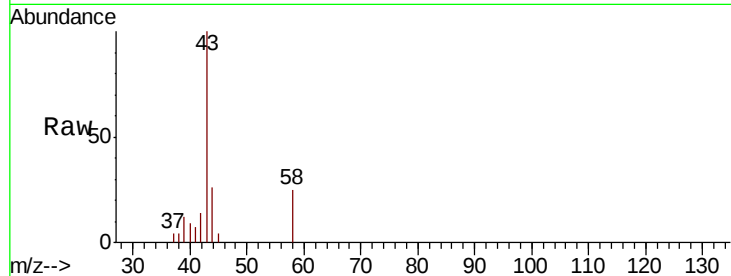
331-SAND-SOIL

Tot Ion: 43 Resp: 15649

Ion Ratio Lower Upper

43 100

58 25.5 24.3 36.5



#18

Methyl Acetate

Concen: 1.274 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN051740.D

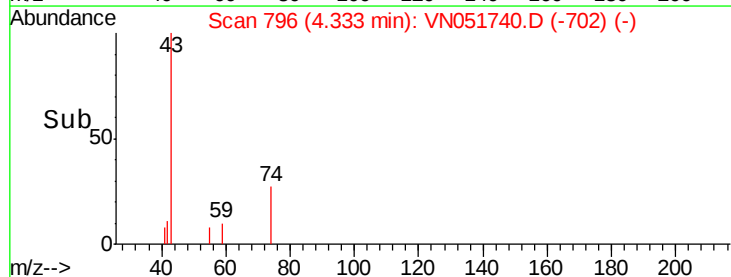
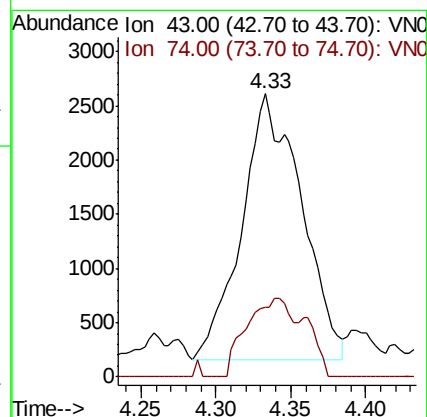
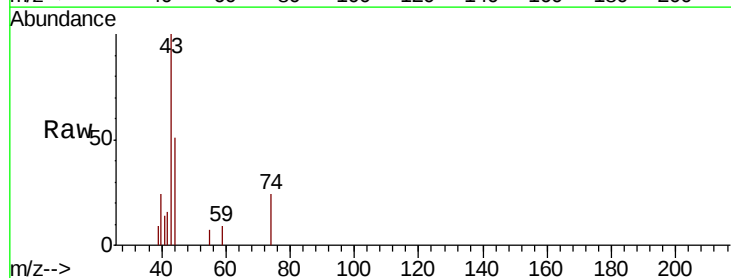
Acq: 8 Oct 2018 17:02

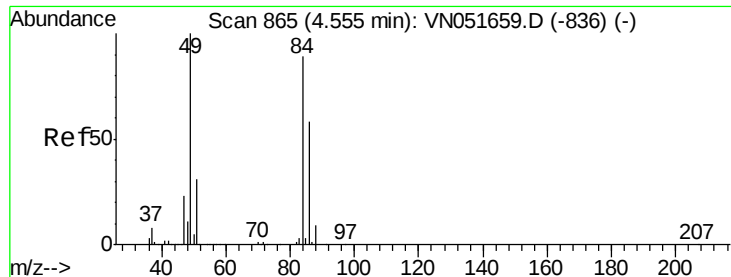
Tgt Ion: 43 Resp: 6811

Ion Ratio Lower Upper

43 100

74 23.1 21.5 32.3

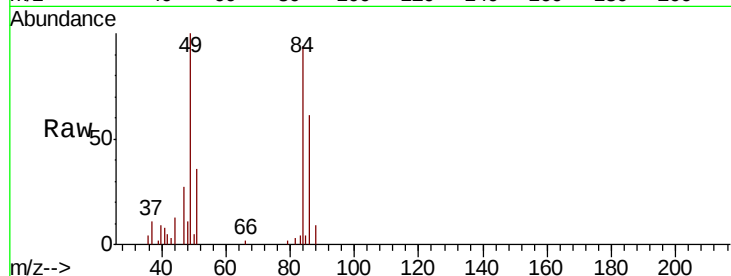




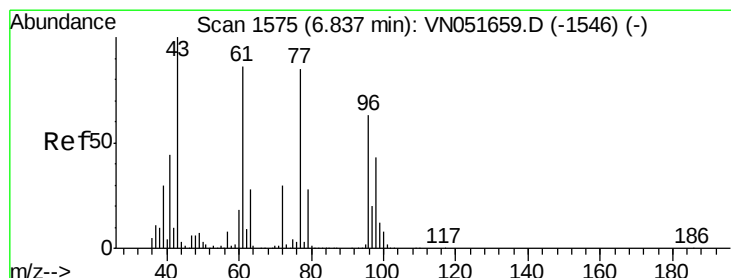
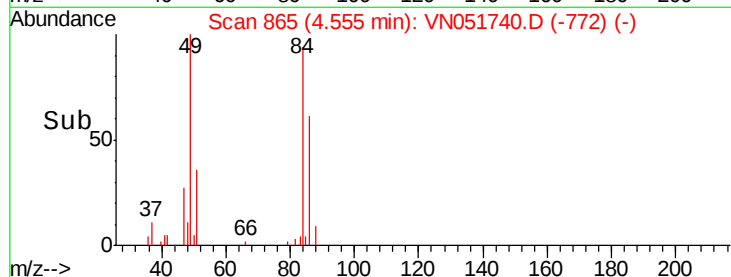
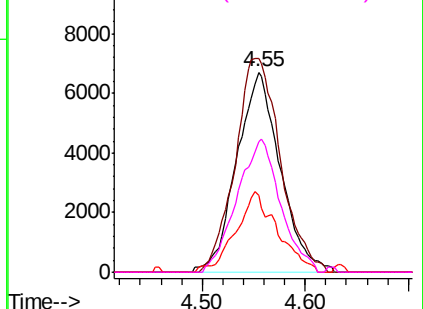
#20
Methvlene Chloride
Concen: 2.470 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051740.D
Acq: 8 Oct 2018 17:02

Instrument :
MSVOA_N
ClientSampleId :
331-SAND-SOIL

Tot Ion: 84 Resp: 19691
Ion Ratio Lower Upper
84 100
49 106.8 89.5 134.3
51 38.3 27.4 41.0
86 65.5 51.9 77.9

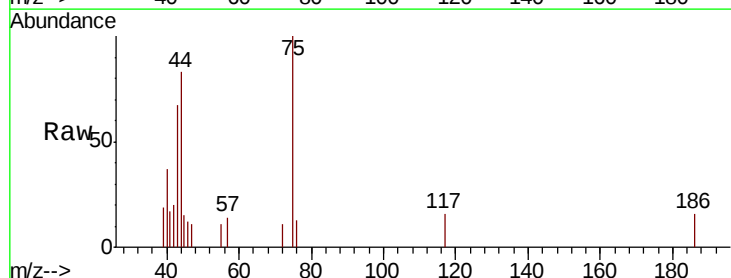


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

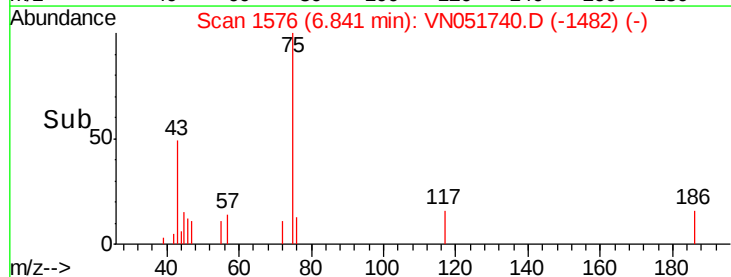
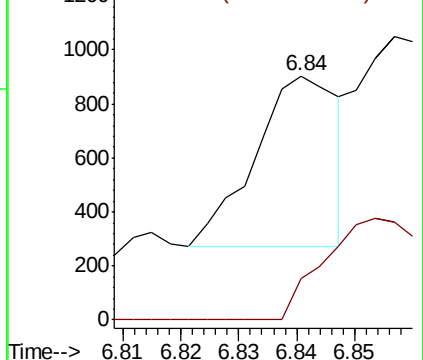


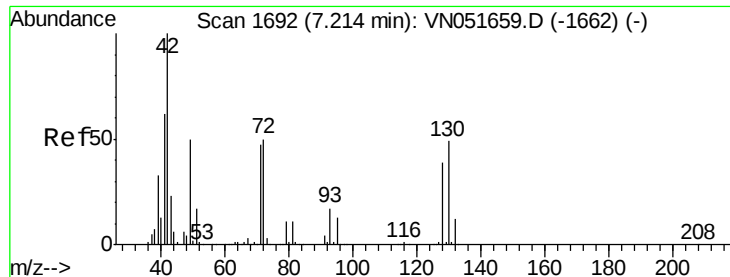
#25
2-Butanone
Concen: 0.224 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051740.D
Acq: 8 Oct 2018 17:02

Tgt Ion: 43 Resp: 628
Ion Ratio Lower Upper
43 100
72 24.6 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: 0.859 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN051740.D

Acq: 8 Oct 2018 17:02

Instrument :

MSVOA_N

ClientSampled :

331-SAND-SOIL

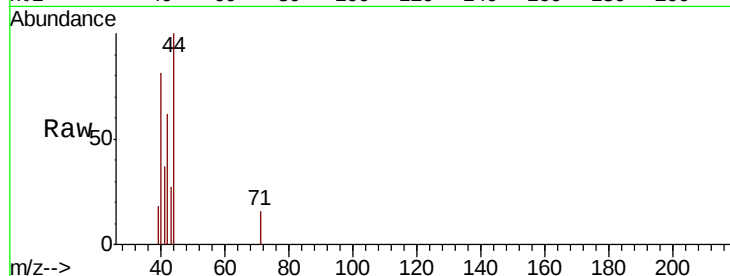
Tot Ion: 42 Resp: 1475

Ion Ratio Lower Upper

42 100

72 4.5 40.1 60.1#

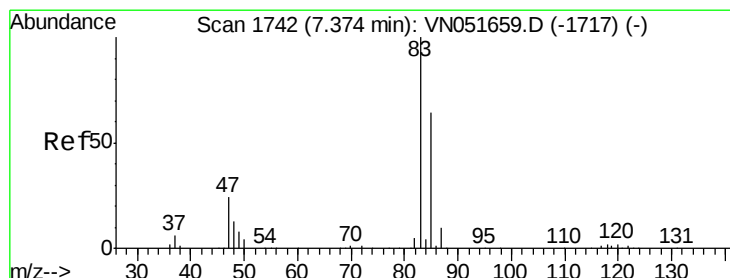
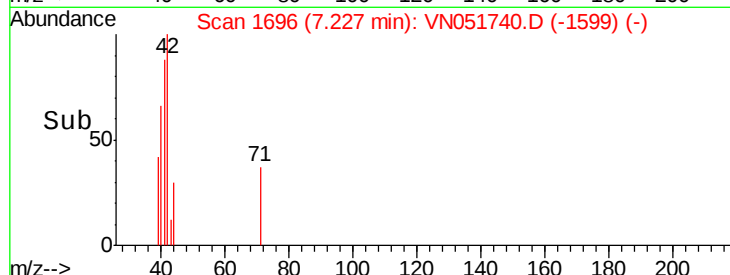
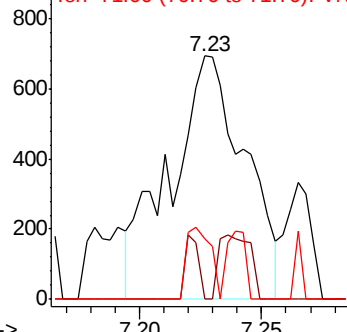
71 9.4 38.0 57.0#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 0.289 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN051740.D

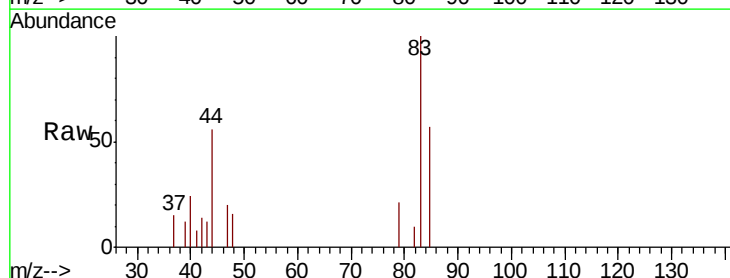
Acq: 8 Oct 2018 17:02

Tgt Ion: 83 Resp: 4663

Ion Ratio Lower Upper

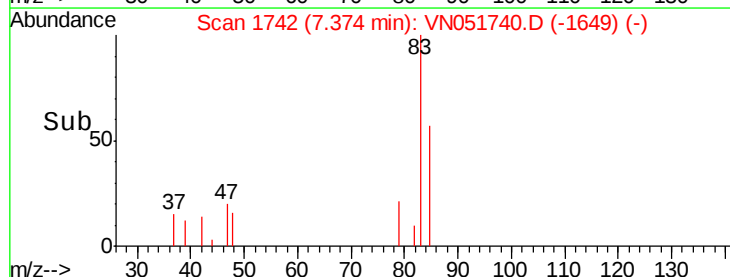
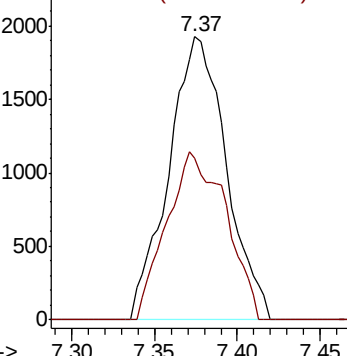
83 100

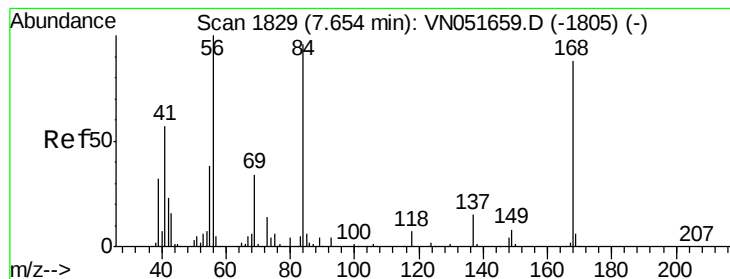
85 57.2 51.6 77.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 1.185 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.02 min

Lab File: VN051740.D

Acq: 8 Oct 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

331-SAND-SOIL

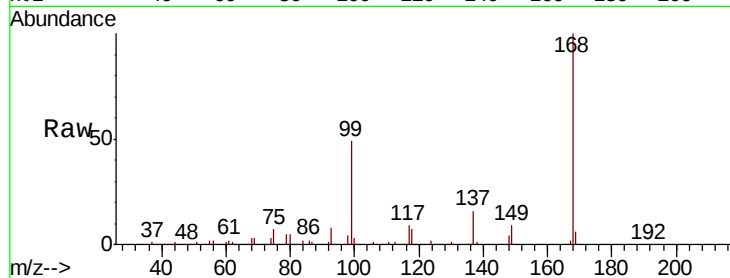
Tot Ion: 56 Resp: 15580

Ion Ratio Lower Upper

56 100

69 144.5 27.5 41.3#

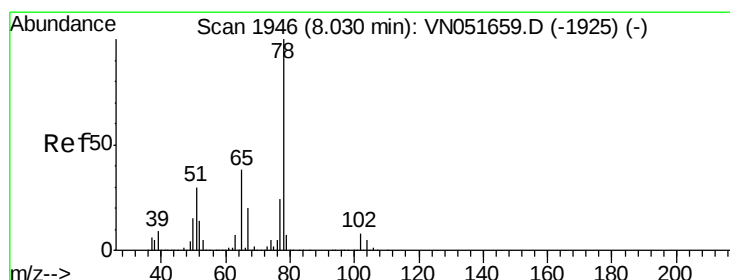
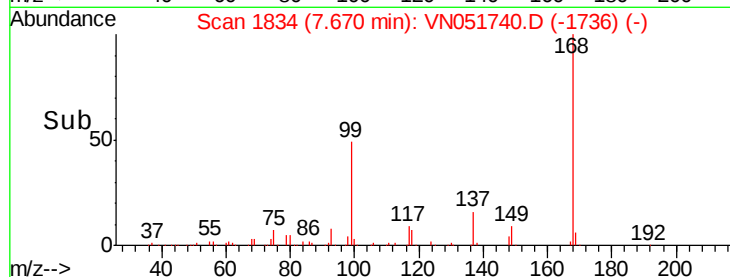
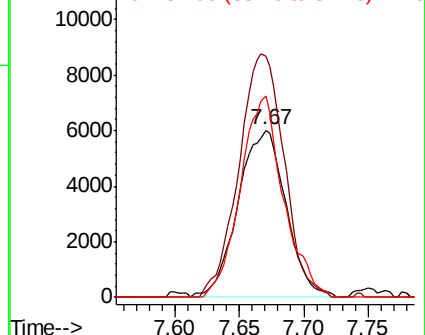
84 120.7 76.7 115.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. -0.00 min

Lab File: VN051740.D

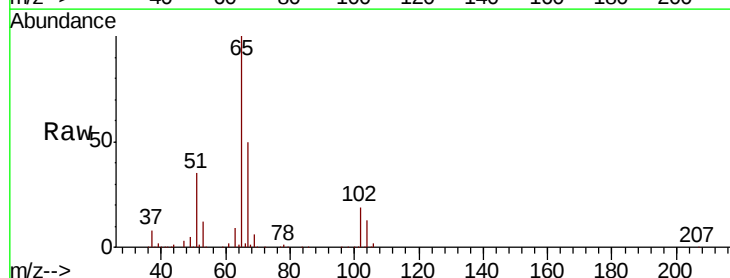
Acq: 8 Oct 2018 17:02

Tgt Ion: 65 Resp: 430378

Ion Ratio Lower Upper

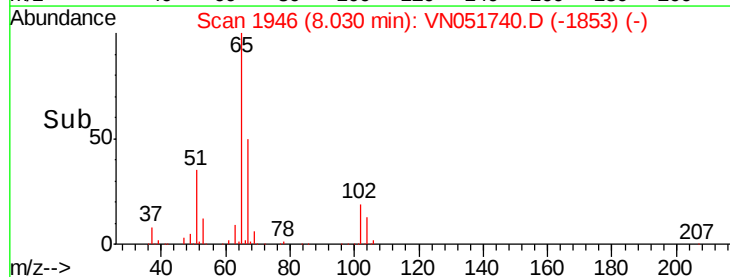
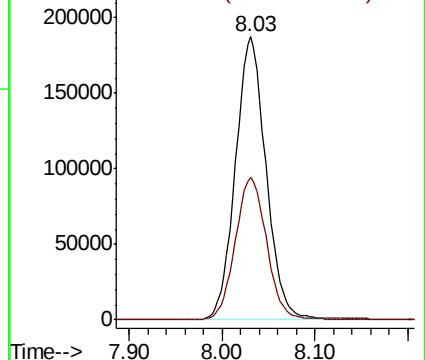
65 100

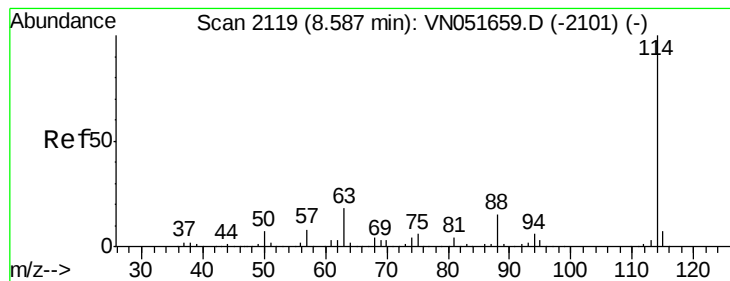
67 51.6 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051740.D

Acq: 8 Oct 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

331-SAND-SOIL

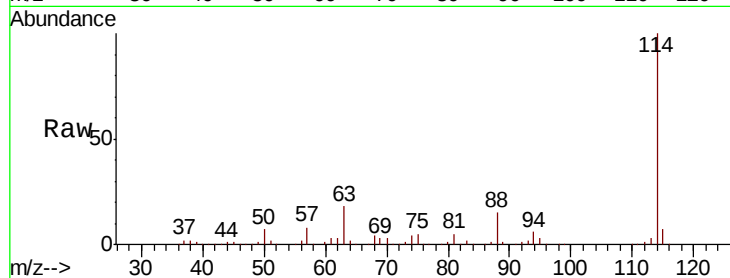
Tot Ion:114 Resp: 1034739

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.2

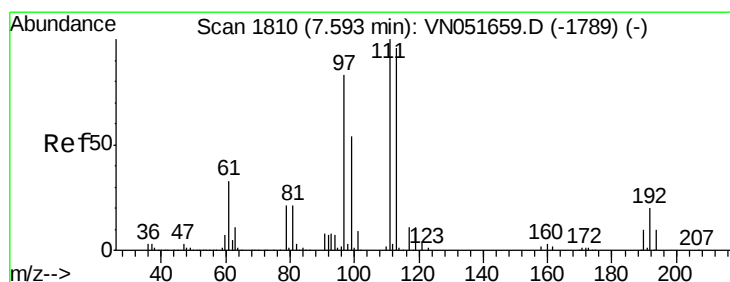
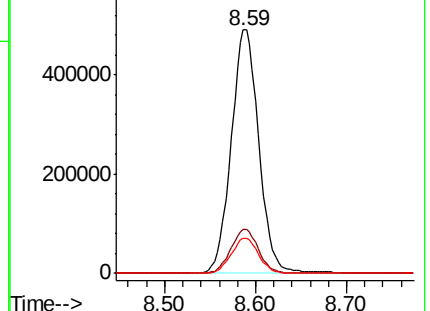
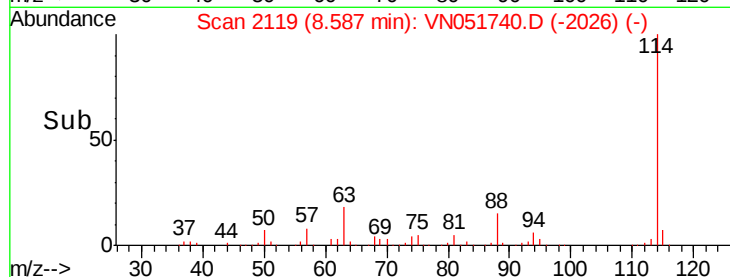
88 14.5 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN051740.D

Acq: 8 Oct 2018 17:02

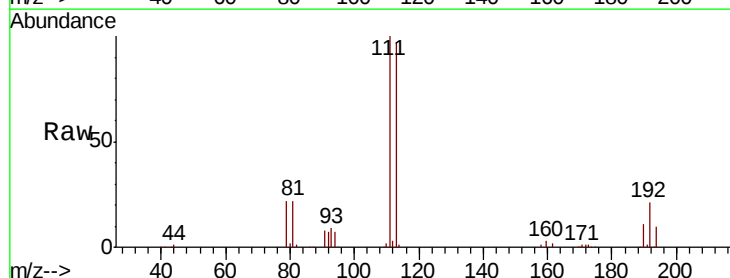
Tgt Ion:113 Resp: 396398

Ion Ratio Lower Upper

113 100

111 101.2 81.8 122.8

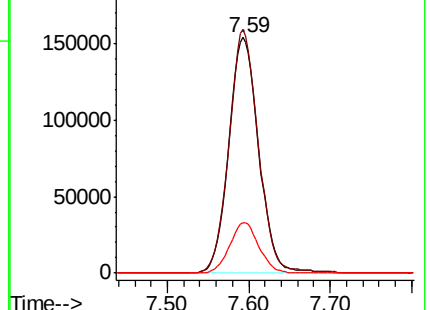
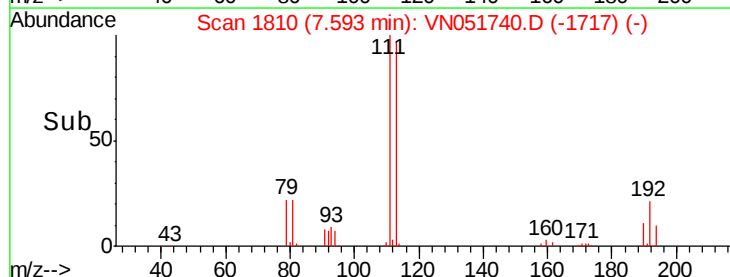
192 21.1 16.5 24.7

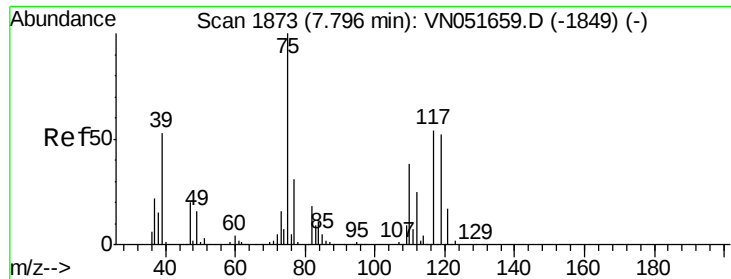


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

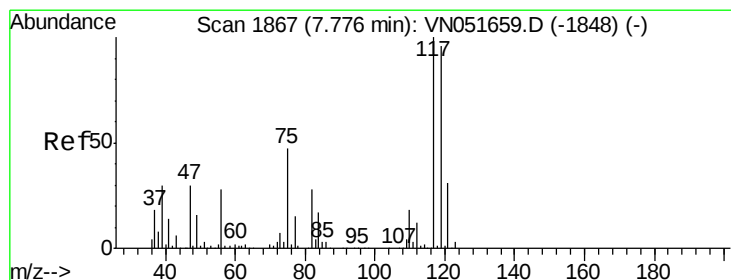
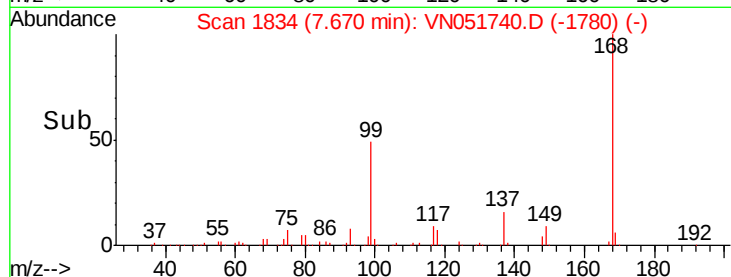
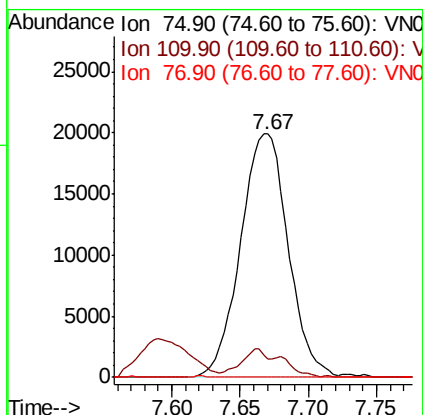
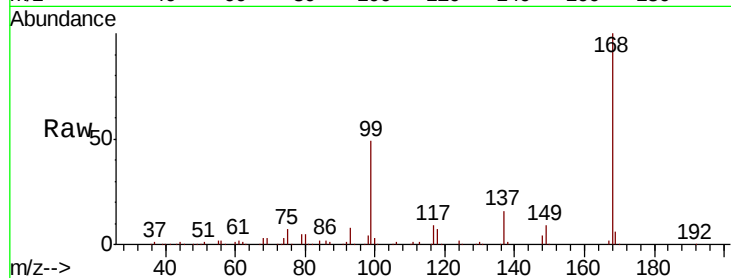




#36
 1,1-Dichloropropene
 Concen: 4.462 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.13 min
 Lab File: VN051740.D
 Acq: 8 Oct 2018 17:02

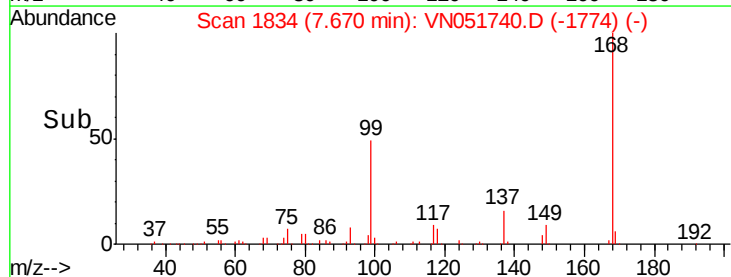
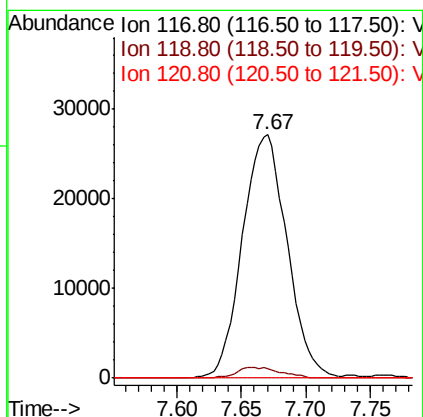
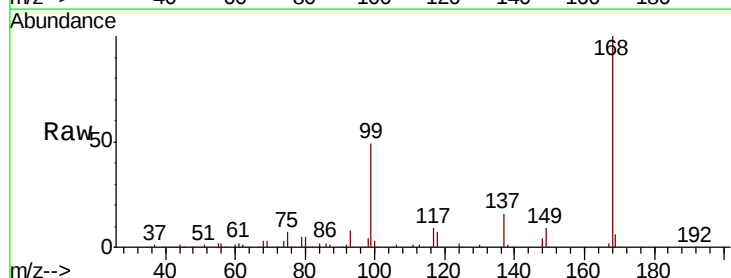
Instrument :
 MSVOA_N
 ClientSampleId :
 331-SAND-SOIL

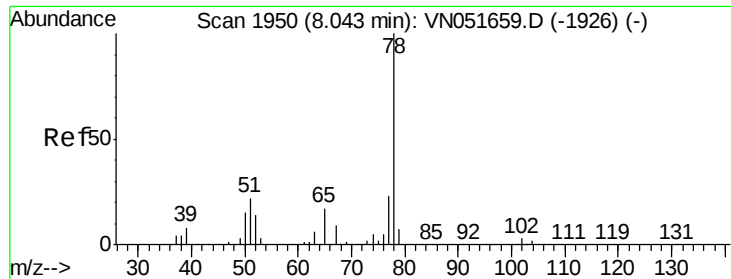
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.9	19.3	57.8#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.056 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.11 min
 Lab File: VN051740.D
 Acq: 8 Oct 2018 17:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	77.0	115.6#
121	0.0	25.0	37.6#





#40

Benzene

Concen: 0.204 ug/l

RT: 8.04 min Scan# 1948

Delta R.T. -0.01 min

Lab File: VN051740.D

Acq: 8 Oct 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

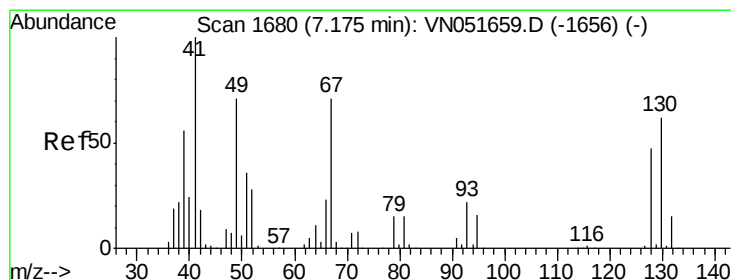
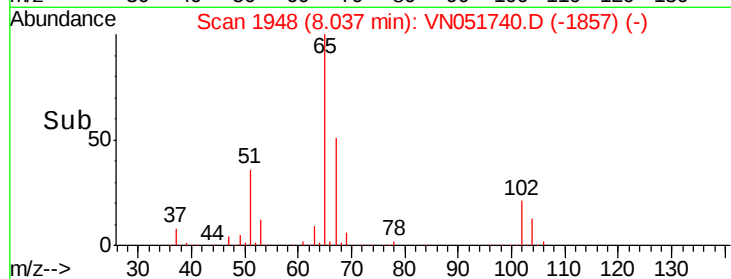
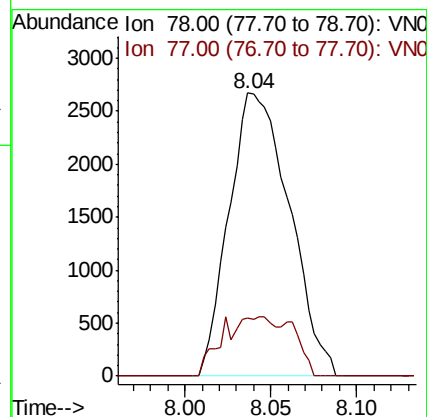
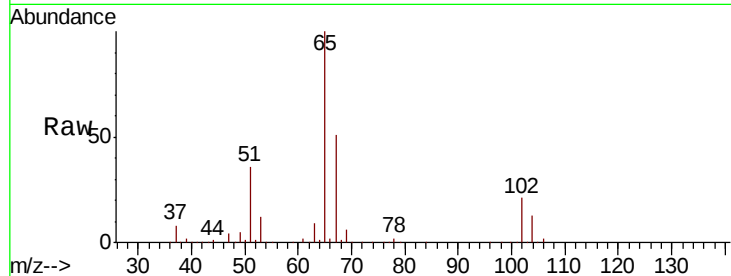
331-SAND-SOIL

Tot Ion: 78 Resp: 6529

Ion Ratio Lower Upper

78 100

77 20.4 18.5 27.7



#41

Methacrylonitrile

Concen: Below Cal

RT: 7.17 min Scan# 1677

Delta R.T. -0.01 min

Lab File: VN051740.D

Acq: 8 Oct 2018 17:02

Tgt Ion: 41 Resp: 63

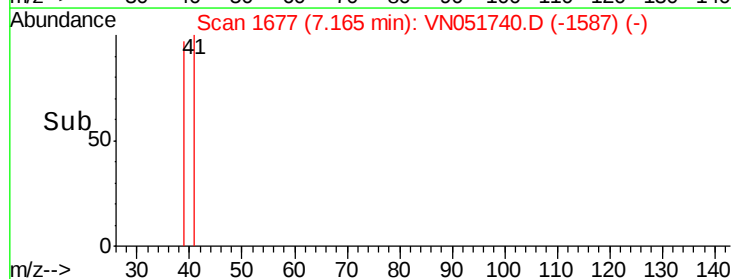
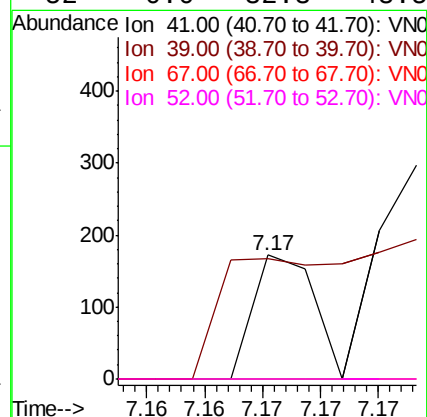
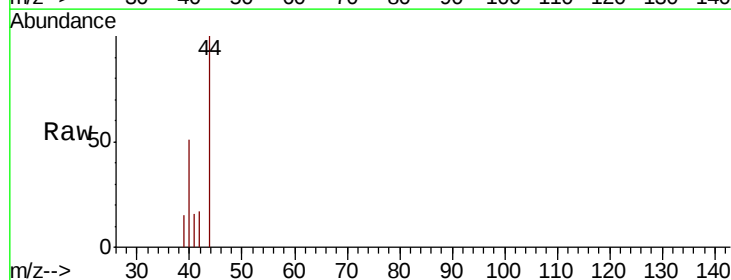
Ion Ratio Lower Upper

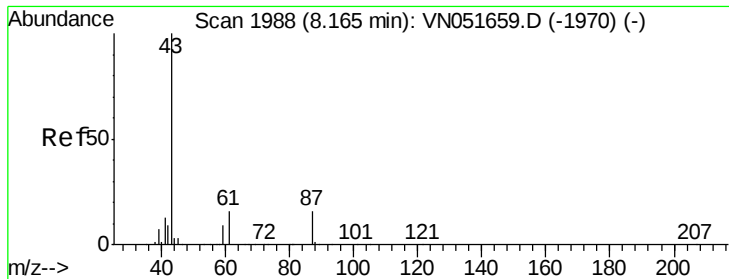
41 100

39 150.8 53.9 80.9#

67 0.0 78.1 117.1#

52 0.0 32.3 48.5#

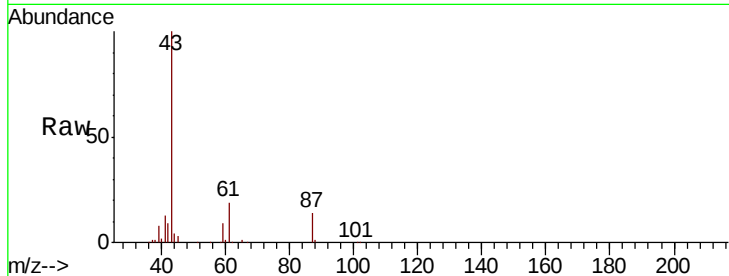




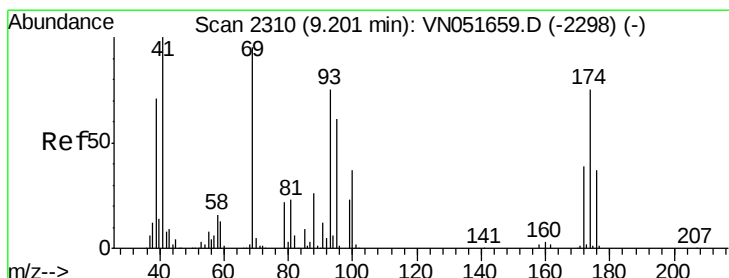
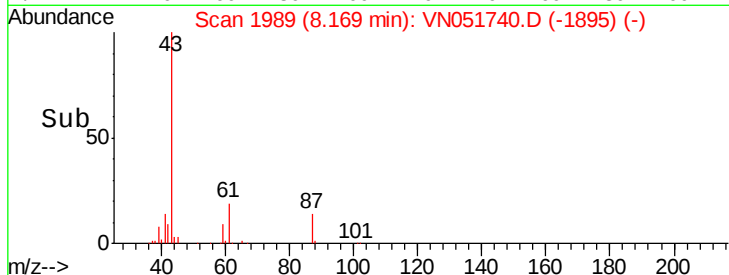
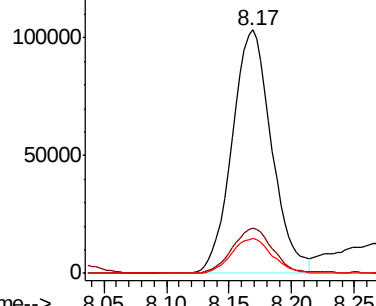
#43
Isopropyl Acetate
Concen: 19.346 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051740.D
Acq: 8 Oct 2018 17:02

Instrument :
MSVOA_N
ClientSampled :
331-SAND-SOIL

Tot Ion: 43 Resp: 227523
Ion Ratio Lower Upper
43 100
61 19.2 15.8 23.6
87 14.7 12.6 19.0

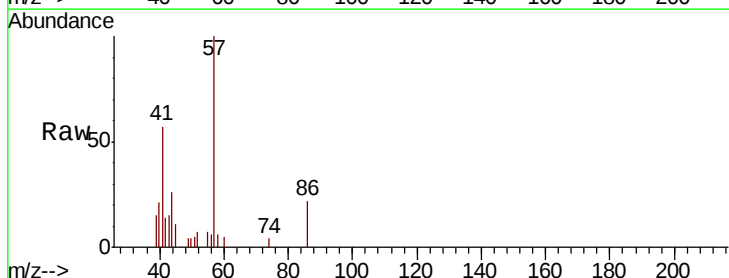


Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO

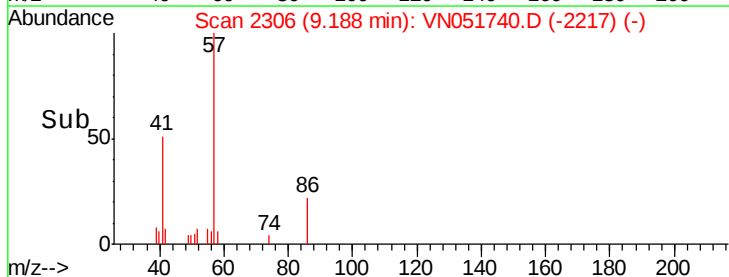
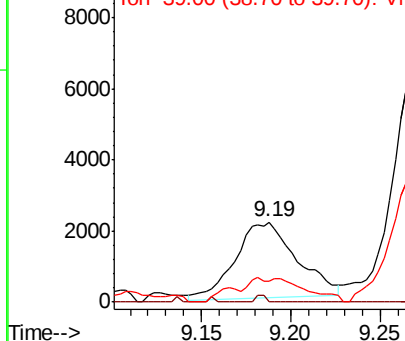


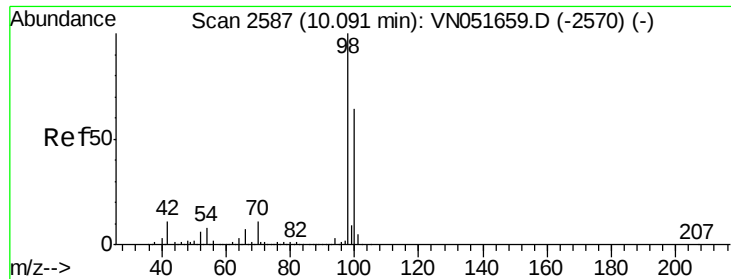
#48
Methyl methacrylate
Concen: 0.959 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.01 min
Lab File: VN051740.D
Acq: 8 Oct 2018 17:02

Tgt Ion: 41 Resp: 5154
Ion Ratio Lower Upper
41 100
69 1.3 78.6 118.0#
39 5.2 59.2 88.8#



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





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051740.D

Acq: 8 Oct 2018 17:02

Instrument :

MSVOA_N

ClientSampled :

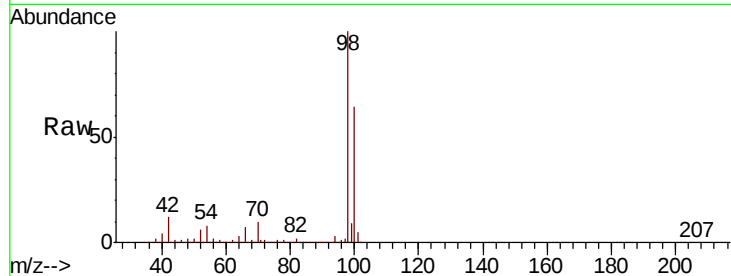
331-SAND-SOIL

Tot Ion: 98 Resp: 1474617

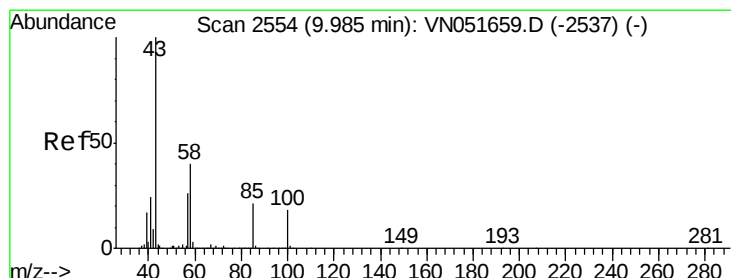
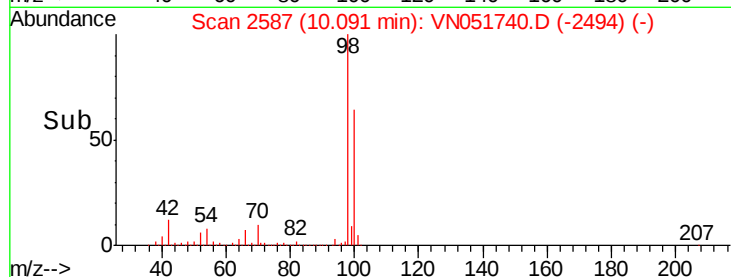
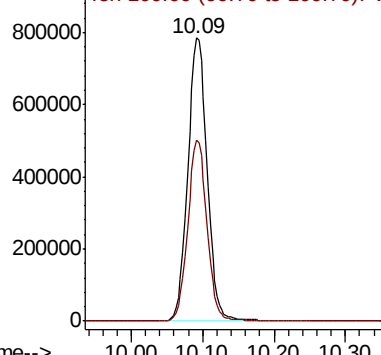
Ion Ratio Lower Upper

98 100

100 63.2 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN051740.D (-2494) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.201 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051740.D

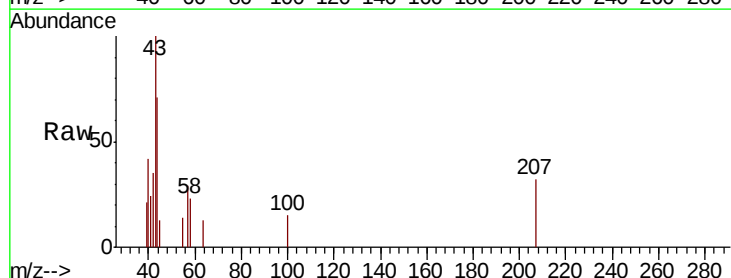
Acq: 8 Oct 2018 17:02

Tgt Ion: 43 Resp: 1195

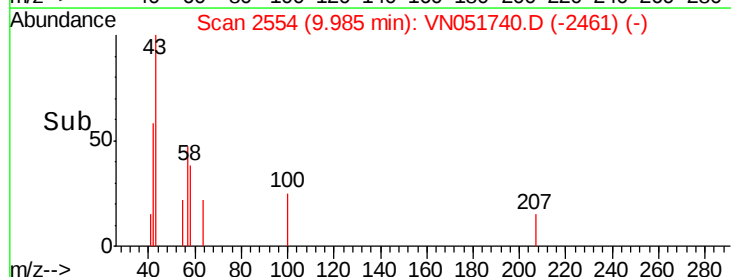
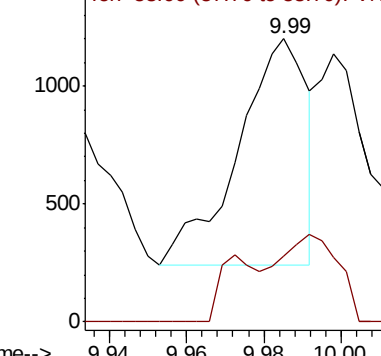
Ion Ratio Lower Upper

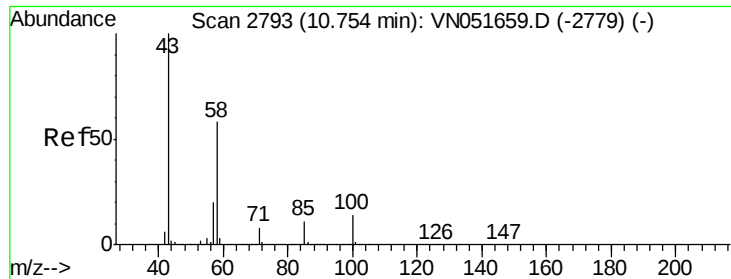
43 100

58 33.0 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VN051740.D (-2461) (-)

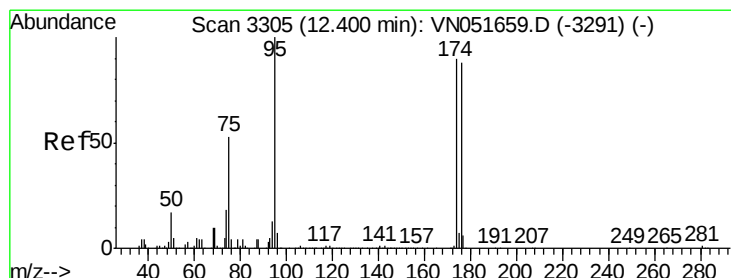
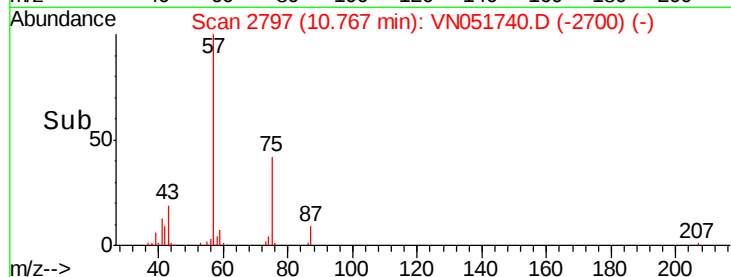
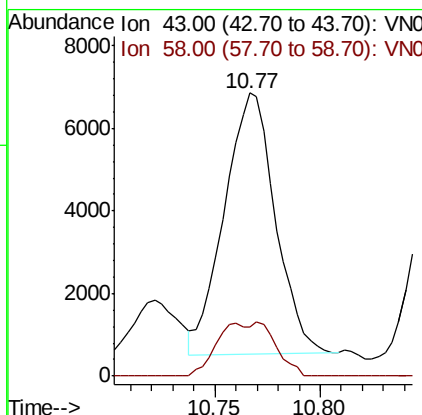
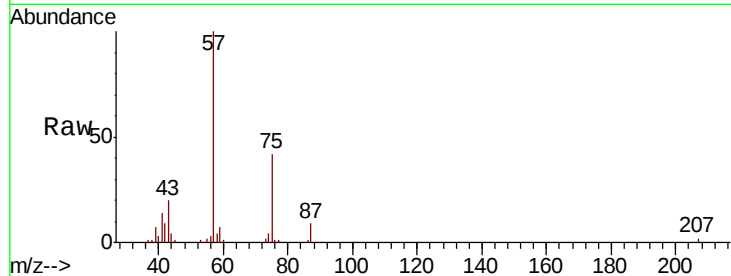




#59
2-Hexanone
Concen: 2.609 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN051740.D
Acq: 8 Oct 2018 17:02

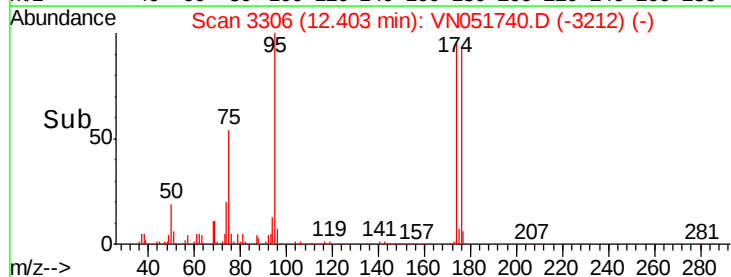
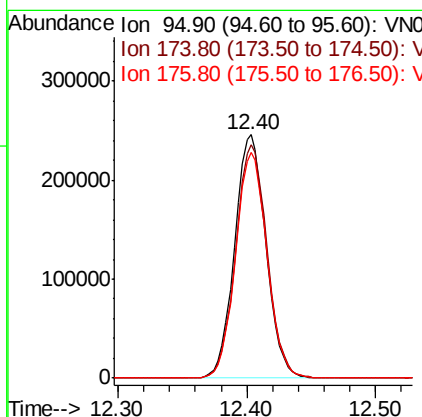
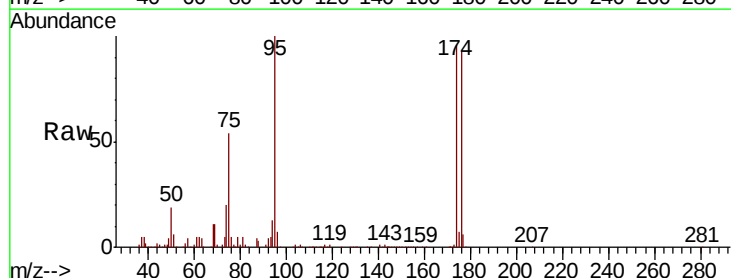
Instrument :
MSVOA_N
ClientSampled :
331-SAND-SOIL

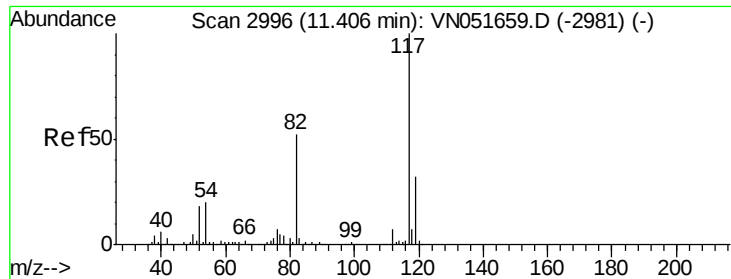
Tot Ion: 43 Resp: 10560
Ion Ratio Lower Upper
43 100
58 13.9 28.8 86.4#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051740.D
Acq: 8 Oct 2018 17:02

Tgt Ion: 95 Resp: 412994
Ion Ratio Lower Upper
95 100
174 96.6 0.0 182.8
176 93.3 0.0 176.4

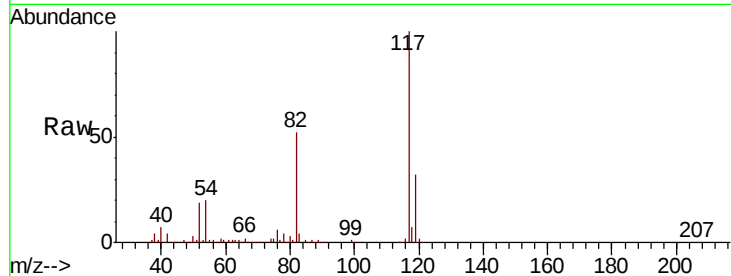




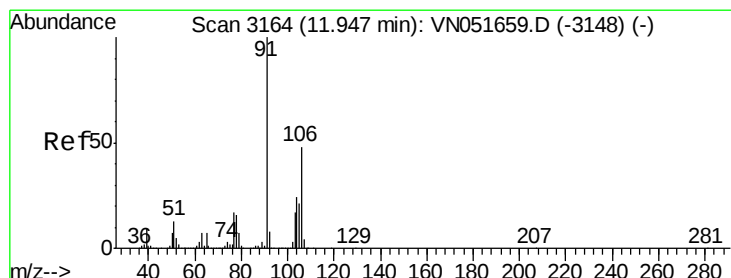
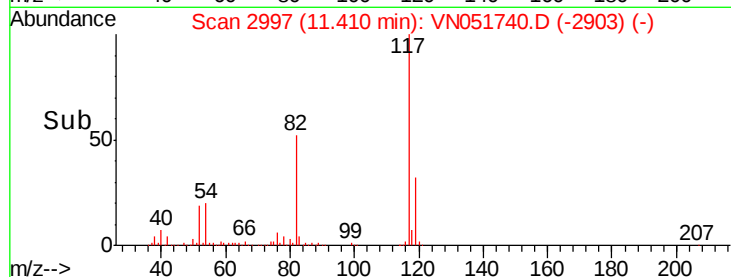
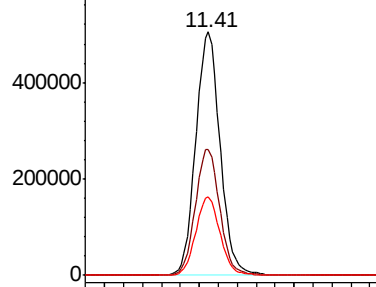
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051740.D
Acq: 8 Oct 2018 17:02

Instrument :
MSVOA_N
ClientSampleId :
331-SAND-SOIL

Tot Ion:117 Resp: 902501
Ion Ratio Lower Upper
117 100
82 51.8 41.3 61.9
119 32.1 25.9 38.9

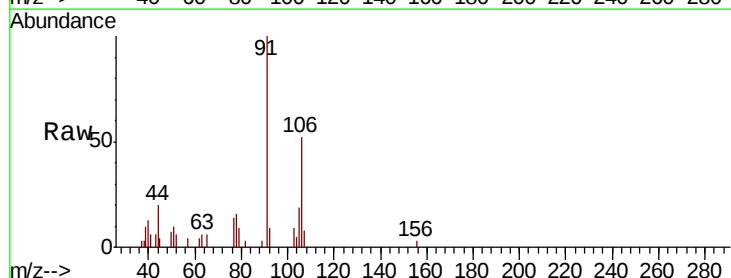


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

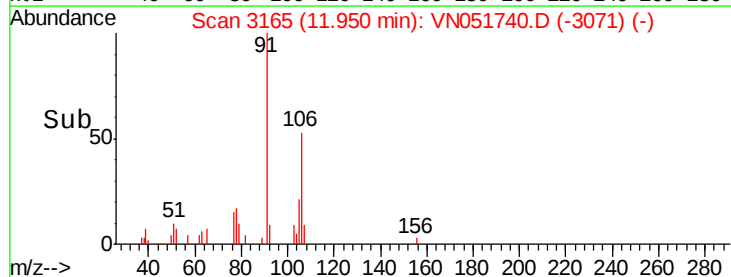
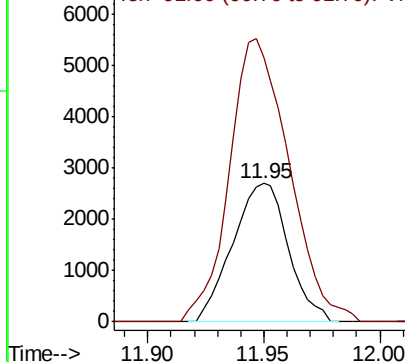


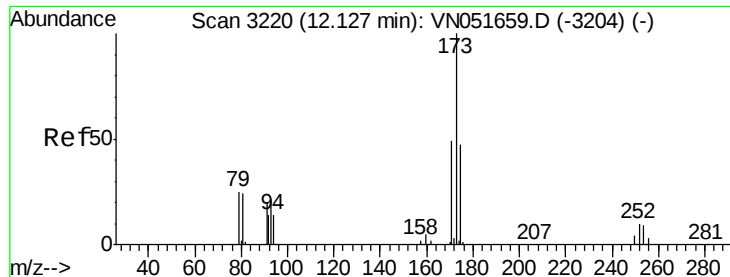
#69
o-Xylene
Concen: 0.297 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051740.D
Acq: 8 Oct 2018 17:02

Tgt Ion:106 Resp: 4503
Ion Ratio Lower Upper
106 100
91 219.0 104.4 313.2



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

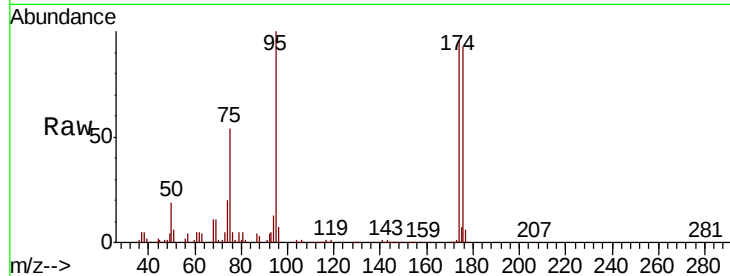




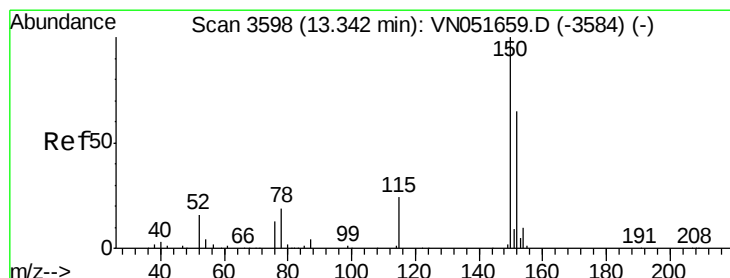
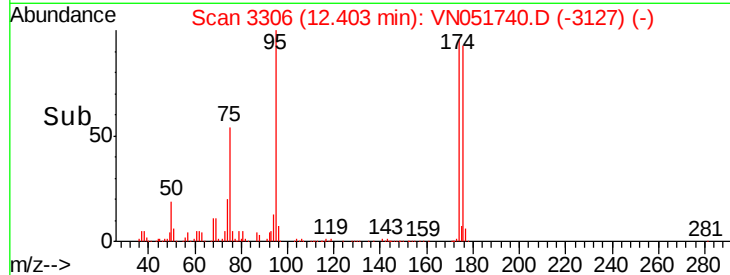
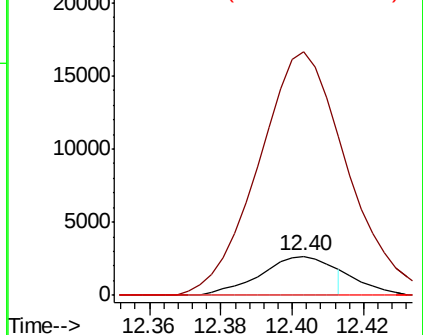
#71
Bromoform
Concen: 0.556 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051740.D
Acq: 8 Oct 2018 17:02

Instrument :
MSVOA_N
ClientSampleId :
331-SAND-SOIL

Tot Ion:173 Resp: 3703
Ion Ratio Lower Upper
173 100
175 639.3 24.0 72.0#
254 0.0 0.1 0.1#

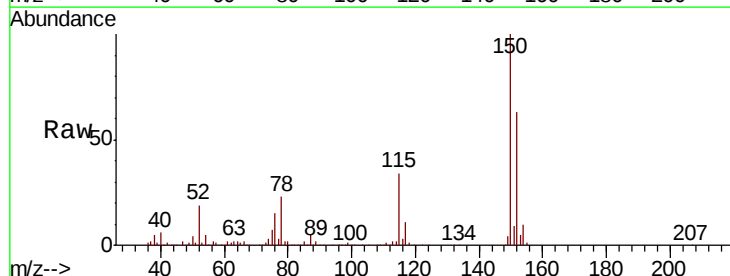


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

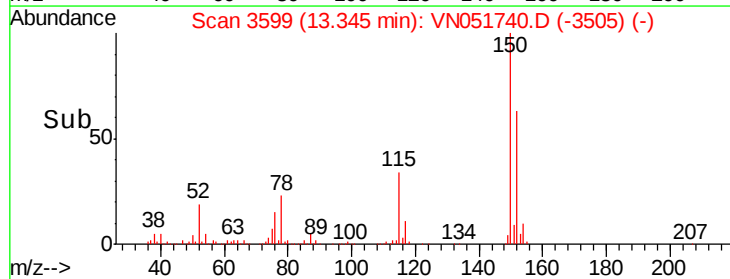
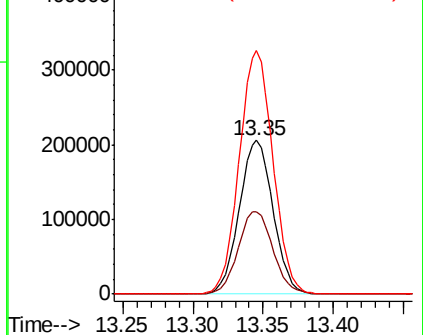


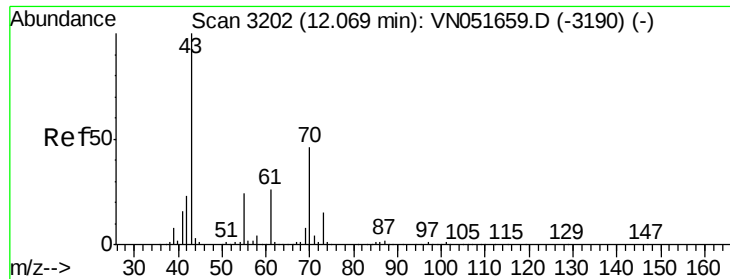
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051740.D
Acq: 8 Oct 2018 17:02

Tgt Ion:152 Resp: 346625
Ion Ratio Lower Upper
152 100
115 54.9 28.6 85.8
150 157.4 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-amvl acetate

Concen: Below Cal

RT: 12.06 min Scan# 3200

Delta R.T. -0.01 min

Lab File: VN051740.D

Acq: 8 Oct 2018 17:02

Instrument :

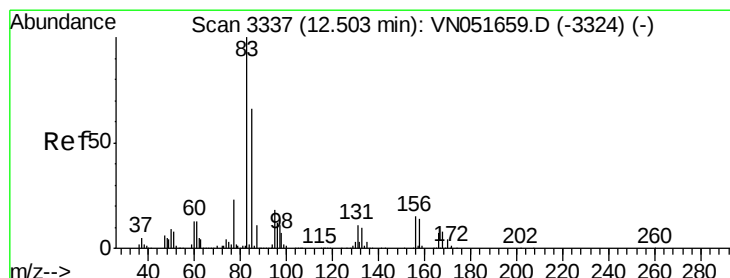
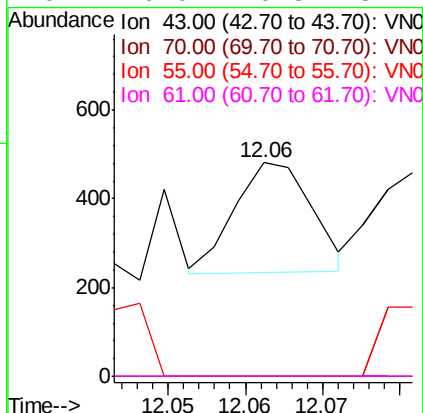
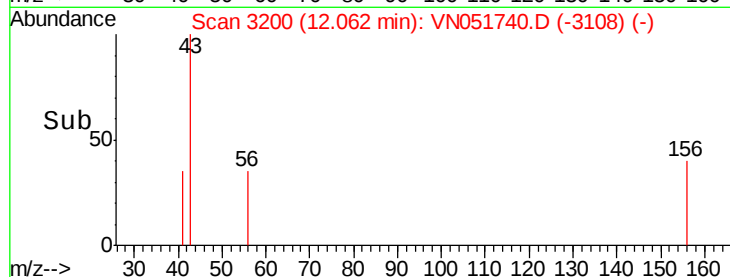
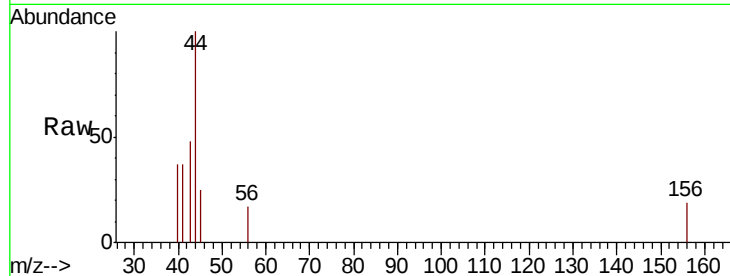
MSVOA_N

ClientSampleId :

331-SAND-SOIL

Tot Ion: 43 Resp: 171

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#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3308

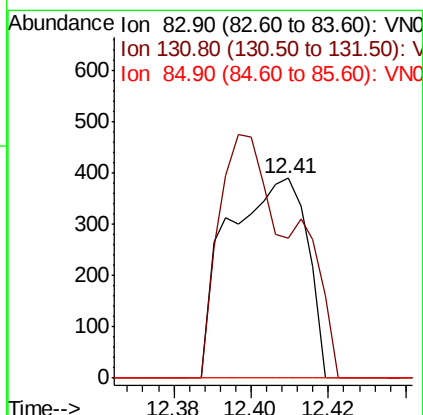
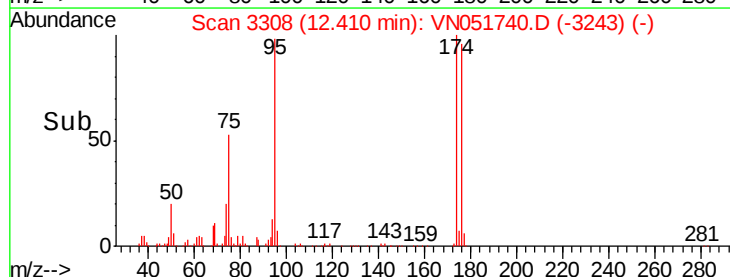
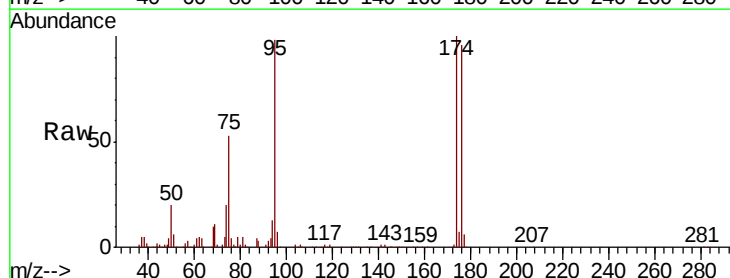
Delta R.T. -0.09 min

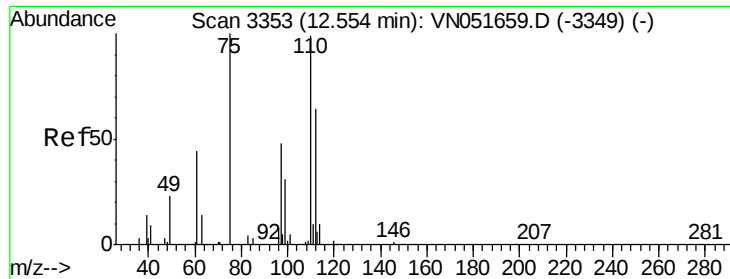
Lab File: VN051740.D

Acq: 8 Oct 2018 17:02

Tgt Ion: 83 Resp: 554

Ion	Ratio	Lower	Upper
83	100		
131	113.9	5.7	17.1#
85	0.0	33.0	98.9#

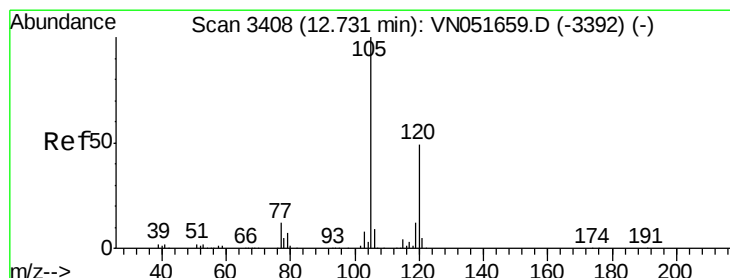
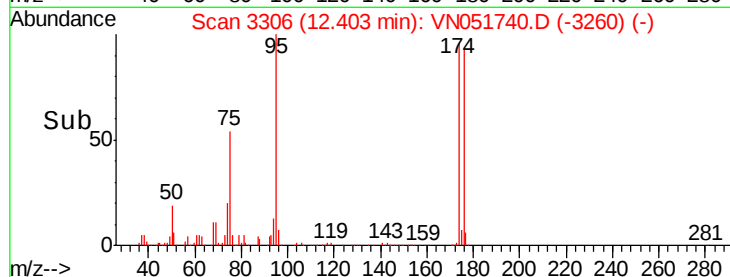
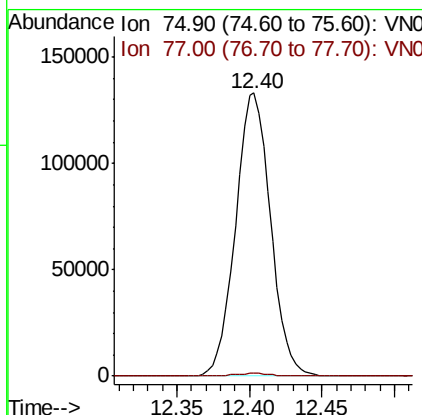
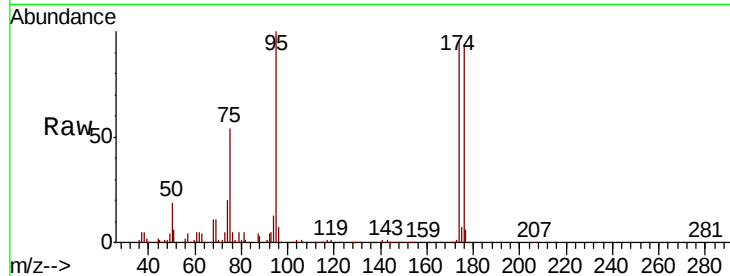




#76
 1,2,3-Trichloropropane
 Concen: 52.002 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN051740.D
 Acq: 8 Oct 2018 17:02

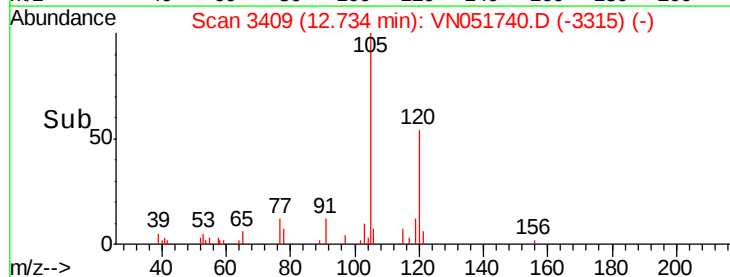
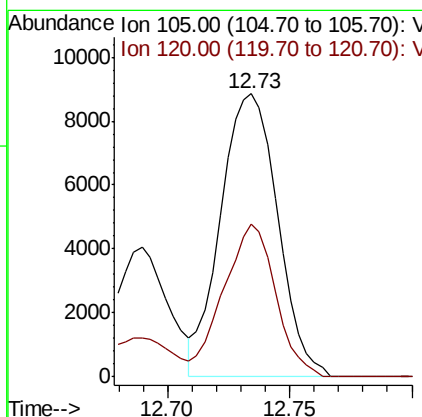
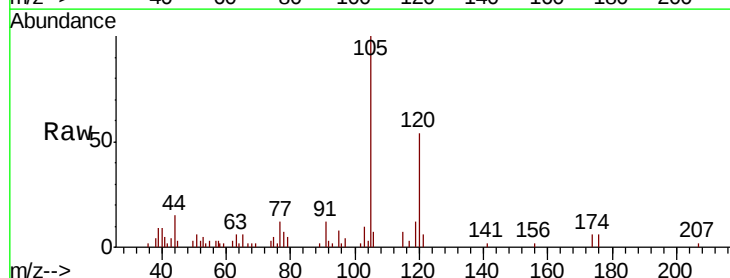
Instrument :
 MSVOA_N
 ClientSampleId :
 331-SAND-SOIL

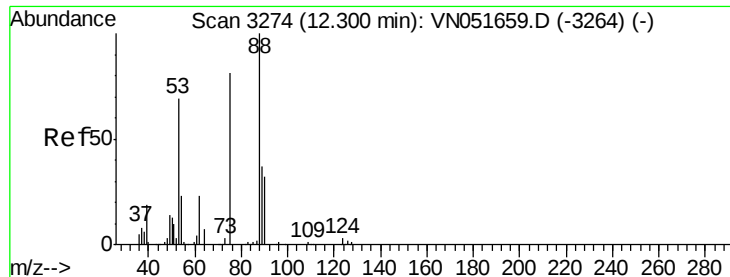
Tot Ion: 75 Resp: 223260
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.577 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051740.D
 Acq: 8 Oct 2018 17:02

Tgt Ion: 105 Resp: 14380
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 118.398 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051740.D

Acq: 8 Oct 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

331-SAND-SOIL

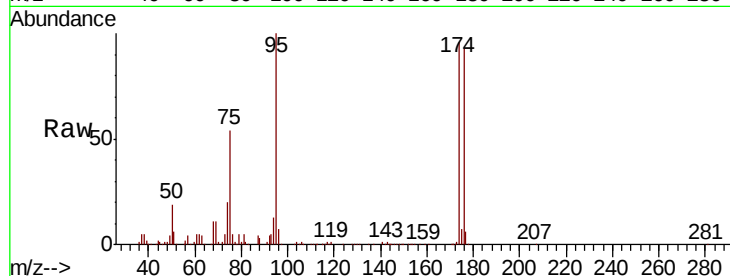
Tot Ion: 75 Resp: 223260

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

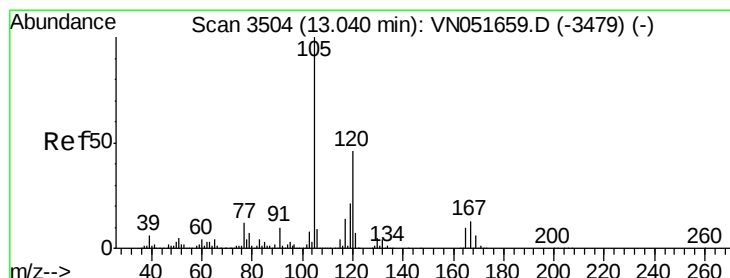
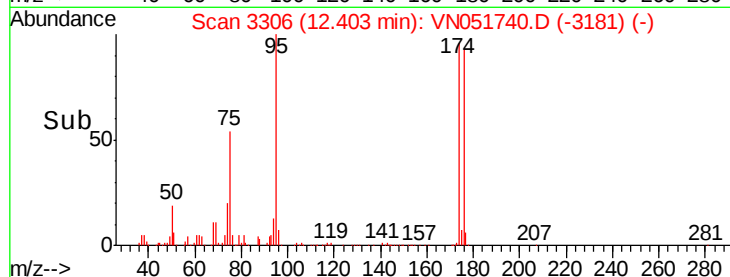
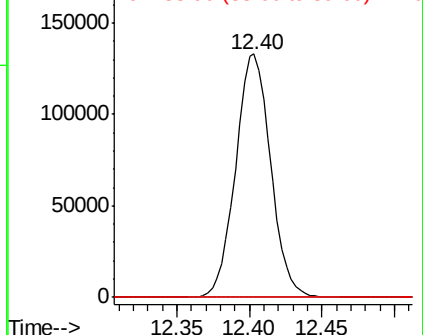
89 0.0 39.4 59.2#



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: 0.698 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN051740.D

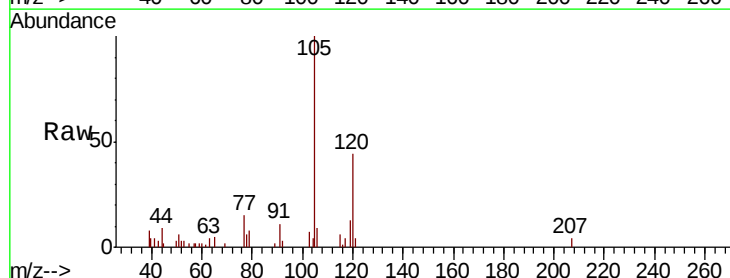
Acq: 8 Oct 2018 17:02

Tgt Ion:105 Resp: 17411

Ion Ratio Lower Upper

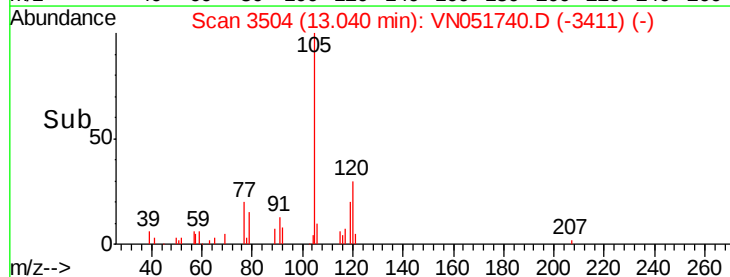
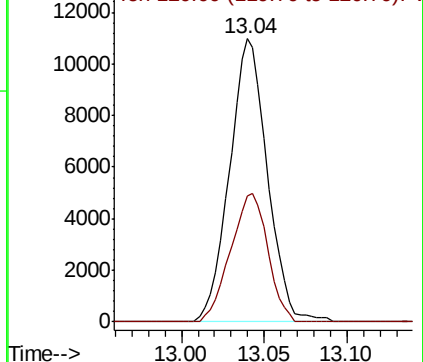
105 100

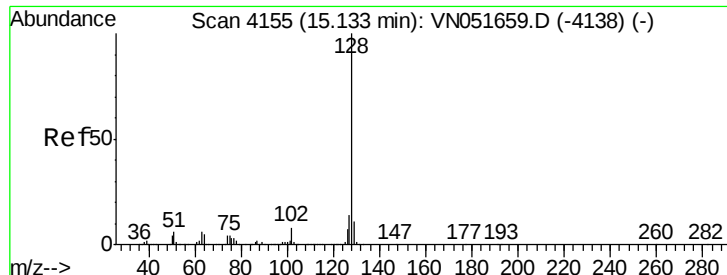
120 44.4 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 1.906 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051740.D

Acq: 8 Oct 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

331-SAND-SOIL

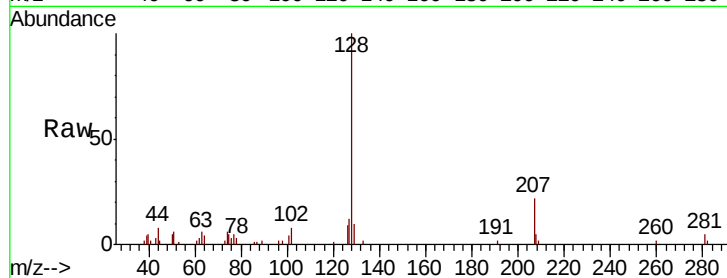
Tot Ion:128 Resp: 22922

Ion Ratio Lower Upper

128 100

127 12.1 10.6 15.8

129 10.2 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

