

Data File : VW004875.D
Acq On : 22 Aug 2018 07:53
Operator : SY/AP
Sample : J4580-01
Misc : 5.30G/5ML/MSVOA_W/SOIL
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RN-SOIL

Quant Time: Aug 22 08:33:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	433494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	674345	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	461289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	100875	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	209810	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
35) Dibromofluoromethane	7.89	113	215801	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	10.33	98	600470	35.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.38%	
62) 4-Bromofluorobenzene	12.63	95	115066	19.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.02%	

Target Compounds

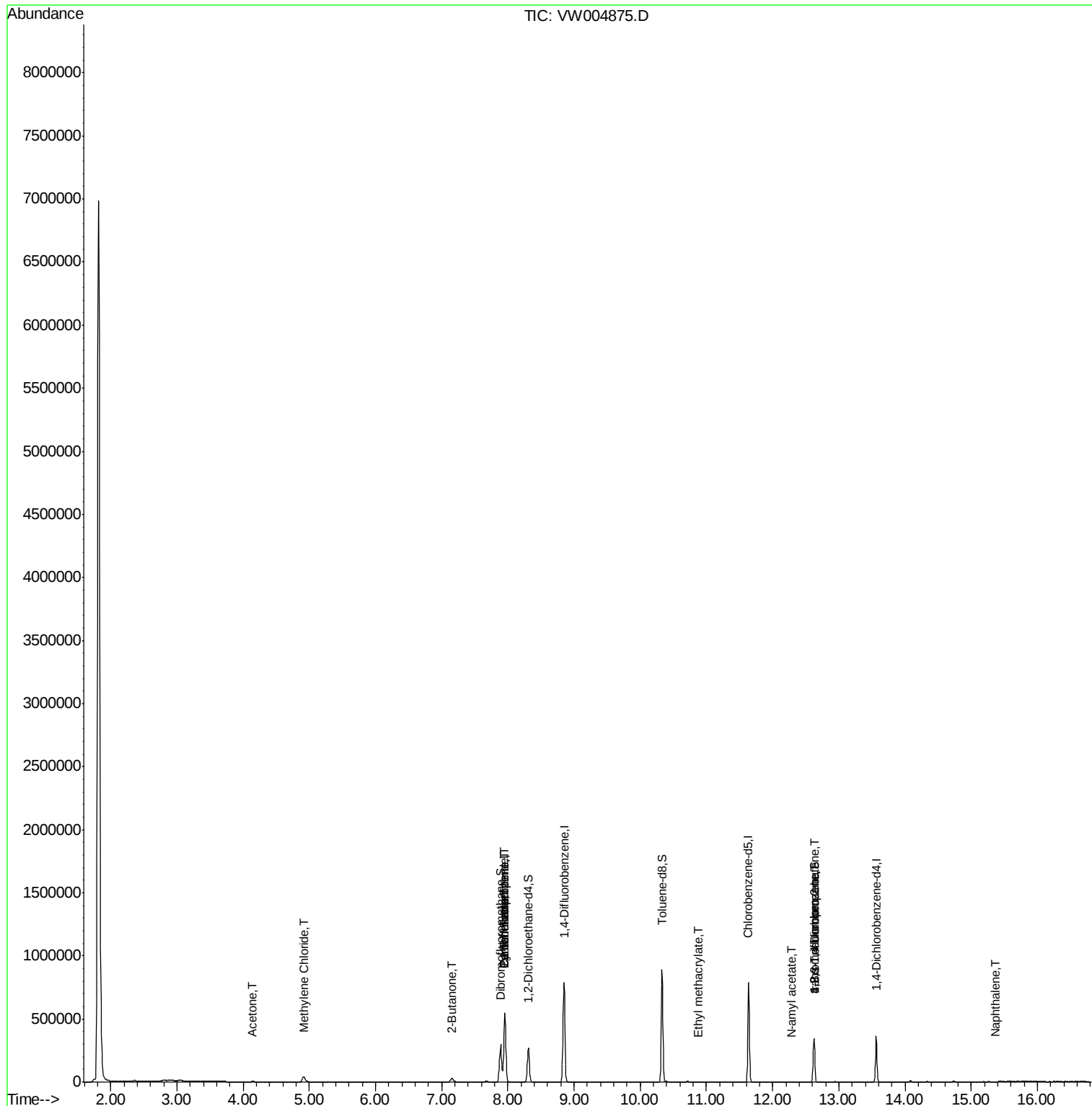
						Qvalue
16) Acetone	4.15	43	9734	9.098	ug/l #	86
20) Methylene Chloride	4.92	84	35197	3.163	ug/l	96
25) 2-Butanone	7.16	43	2148	1.409	ug/l	99
31) Cyclohexane	7.95	56	8292	1.012	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	31201	4.491	ug/l #	48
38) Carbon Tetrachloride	7.95	117	40172	6.282	ug/l #	16
56) Ethyl methacrylate	10.88	69	19	2.984	ug/l #	27
74) N-amyl acetate	12.29	43	22	4.032	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	54549	61.344	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	54549	142.579	ug/l #	14
95) Naphthalene	15.37	128	929	3.715	ug/l #	93

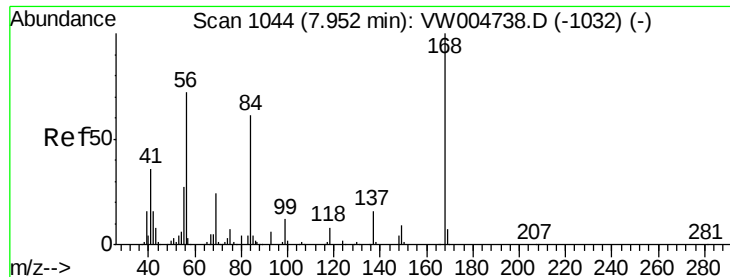
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.01 min

Lab File: VW004875.D

Acq: 22 Aug 2018 07:53

Instrument :

MSVOA_W

ClientSampleId :

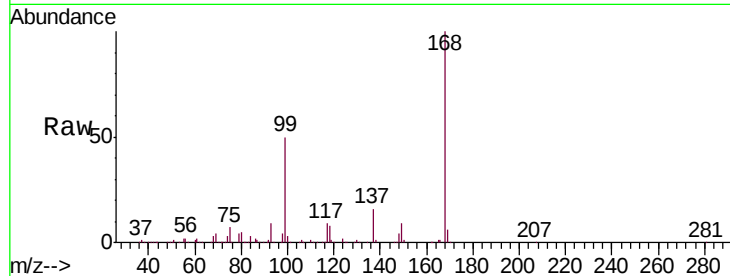
RN-SOIL

Tgt Ion:168 Resp: 433494

Ion Ratio Lower Upper

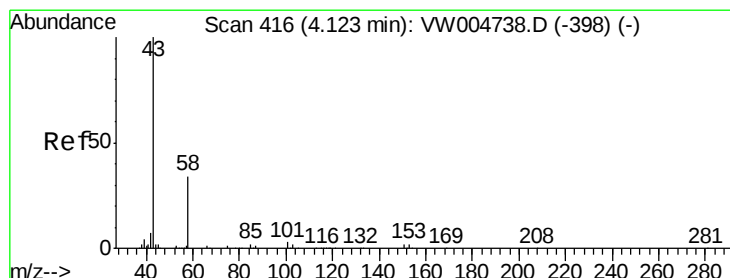
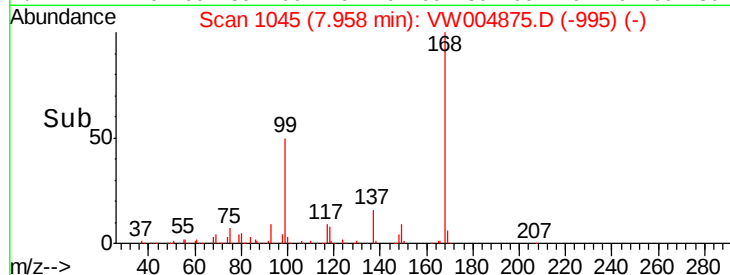
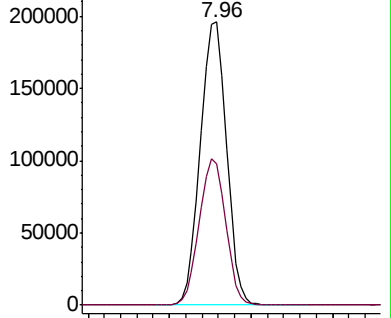
168 100

99 49.8 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 9.098 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.02 min

Lab File: VW004875.D

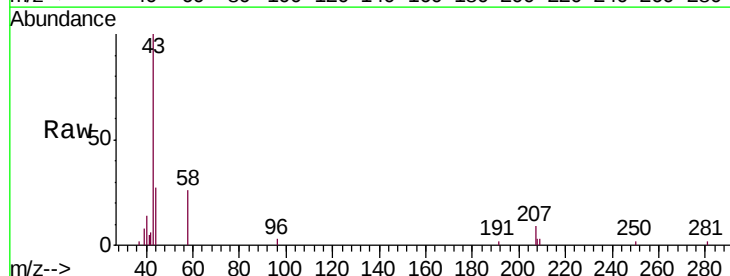
Acq: 22 Aug 2018 07:53

Tgt Ion: 43 Resp: 9734

Ion Ratio Lower Upper

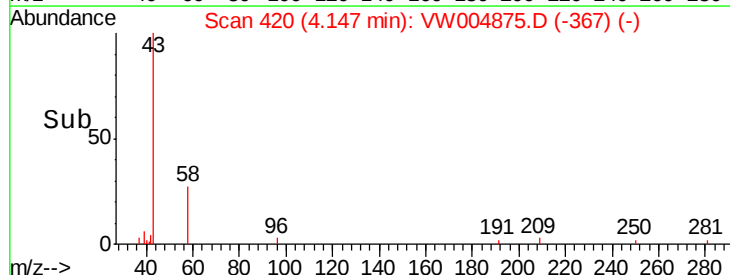
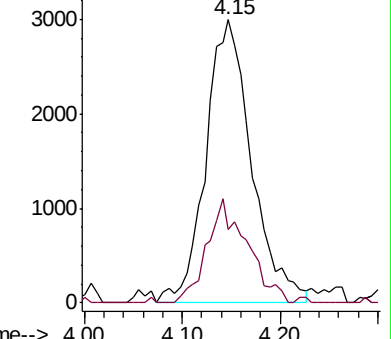
43 100

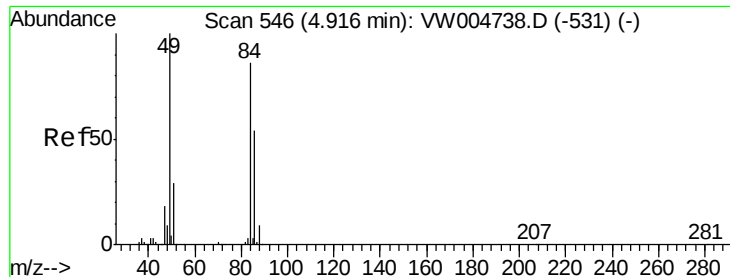
58 25.8 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

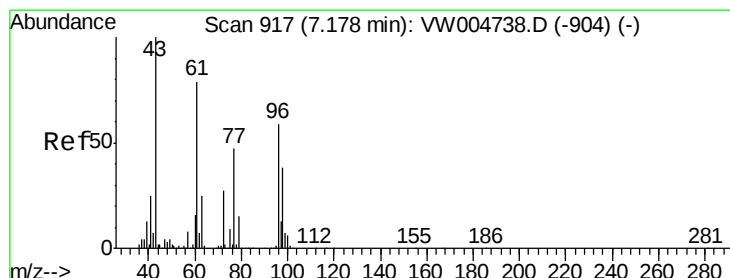
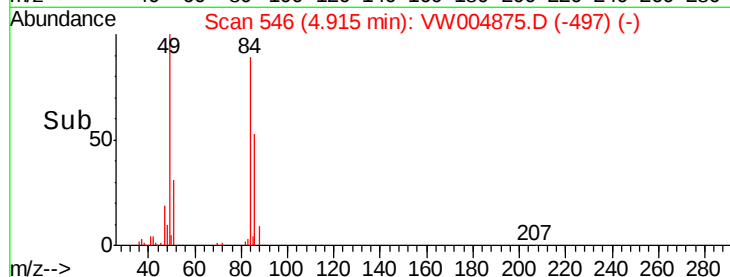
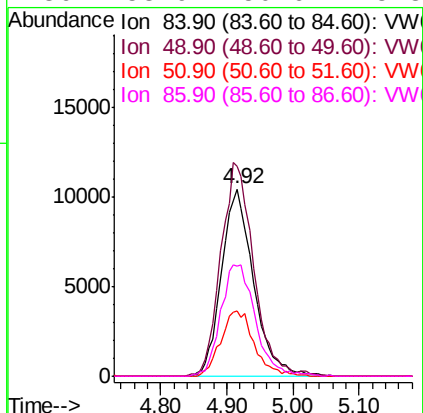
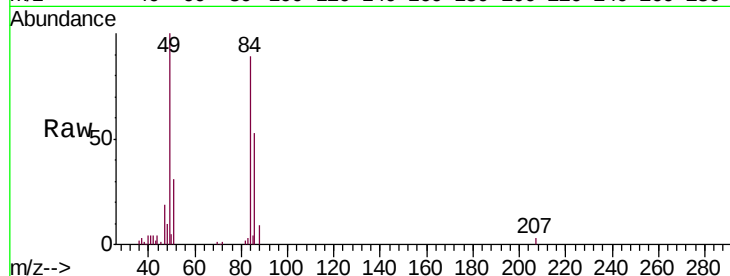




#20
Methylene Chloride
Concen: 3.163 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.00 min
Lab File: VW004875.D
Acq: 22 Aug 2018 07:53

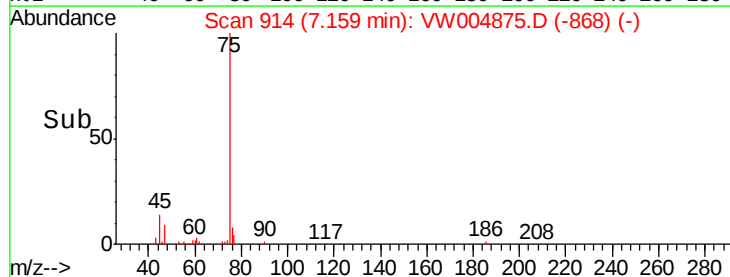
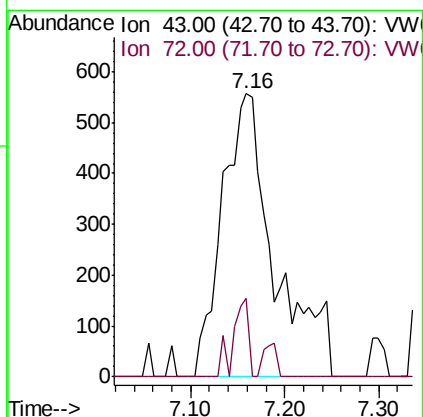
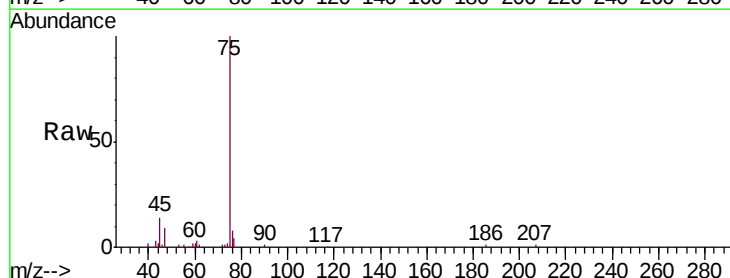
Instrument :
MSVOA_W
ClientSampleId :
RN-SOIL

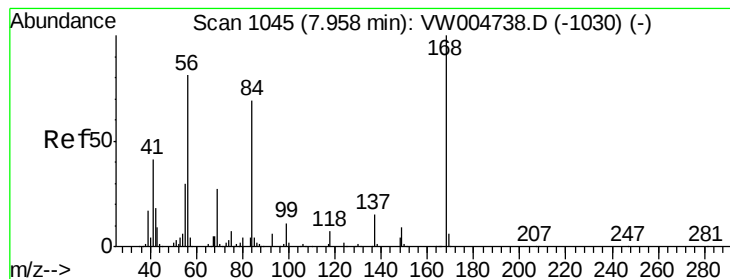
Tgt Ion:	84	Resp:	35197
Ion	Ratio	Lower	Upper
84	100		
49	112.1	93.2	139.8
51	34.9	27.4	41.0
86	58.9	50.6	75.8



#25
2-Butanone
Concen: 1.409 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.02 min
Lab File: VW004875.D
Acq: 22 Aug 2018 07:53

Tgt Ion:	43	Resp:	2148
Ion	Ratio	Lower	Upper
43	100		
72	27.8	22.0	33.0





#31

Cyclohexane

Concen: 1.012 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW004875.D

Acq: 22 Aug 2018 07:53

Instrument :

MSVOA_W

ClientSampled :

RN-SOIL

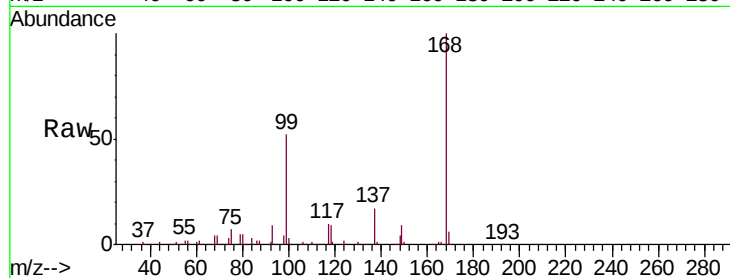
Tgt Ion: 56 Resp: 8292

Ion Ratio Lower Upper

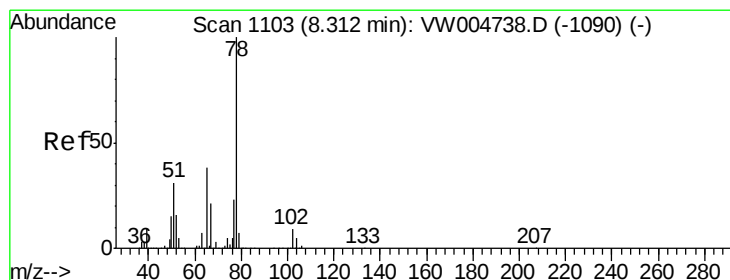
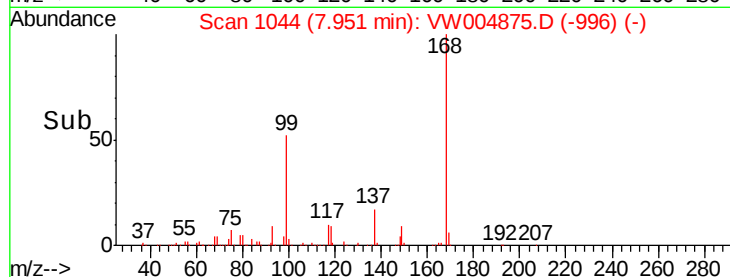
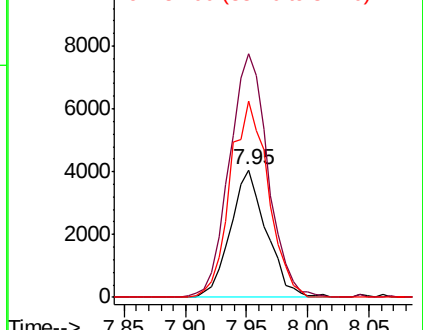
56 100

69 191.5 27.1 40.7#

84 154.5 68.3 102.5#



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



#33

1,2-Dichloroethane-d4

Concen: 50.062 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW004875.D

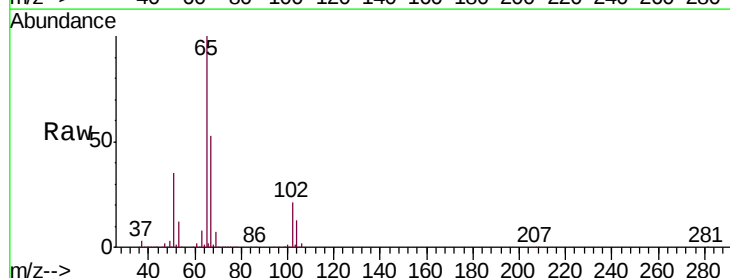
Acq: 22 Aug 2018 07:53

Tgt Ion: 65 Resp: 209810

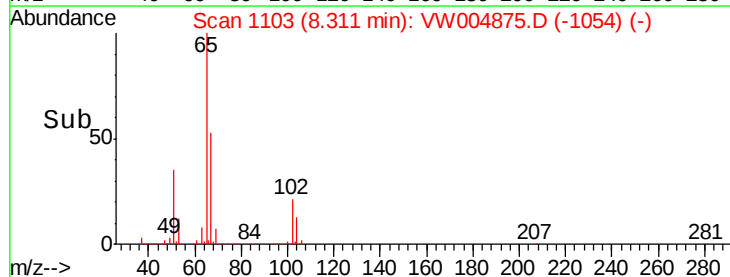
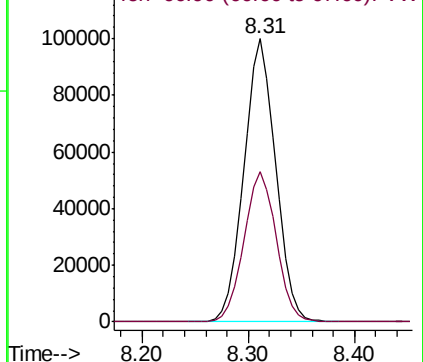
Ion Ratio Lower Upper

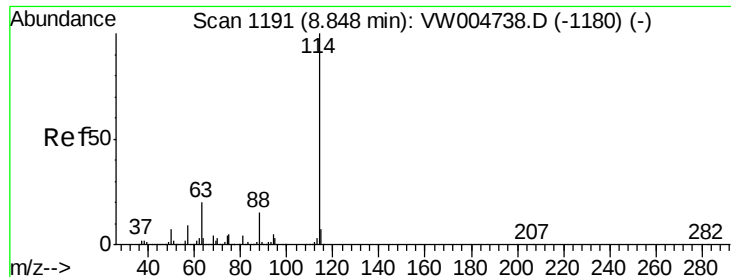
65 100

67 54.0 0.0 109.4



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

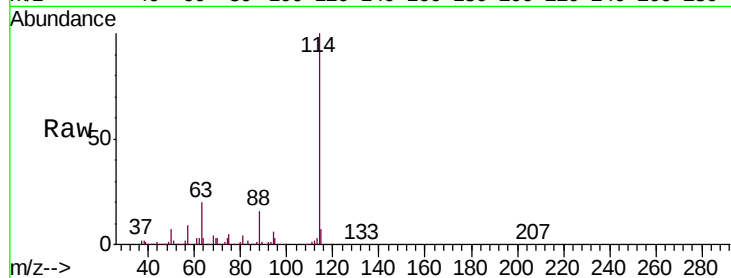




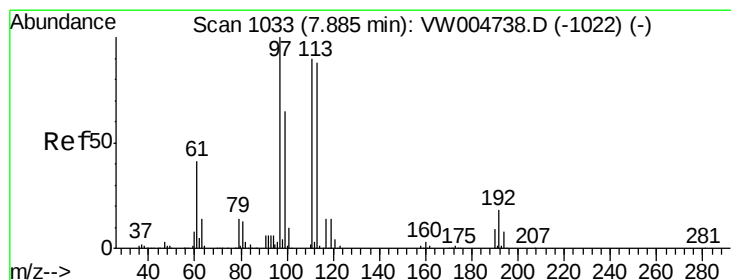
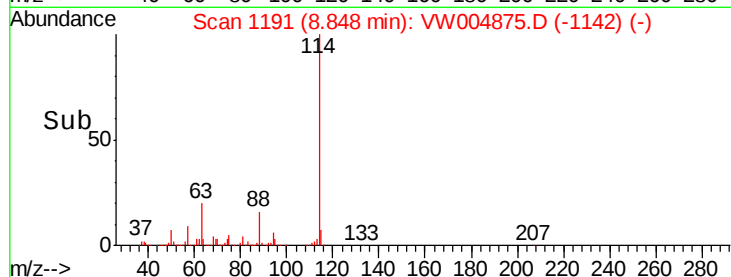
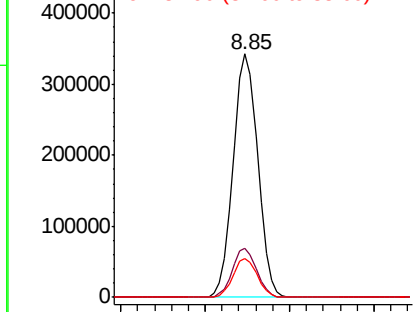
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004875.D
 Acq: 22 Aug 2018 07:53

Instrument :
 MSVOA_W
 ClientSampleId :
 RN-SOIL

Tgt Ion:114 Resp: 674345
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 16.2 0.0 30.0

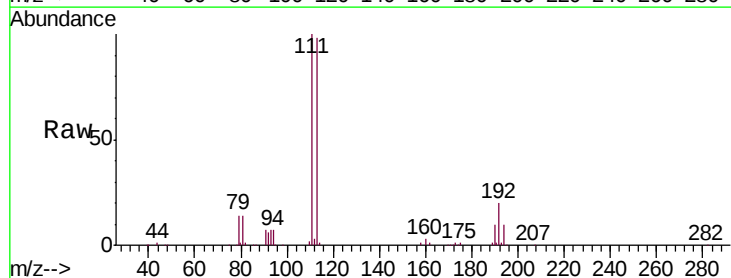


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

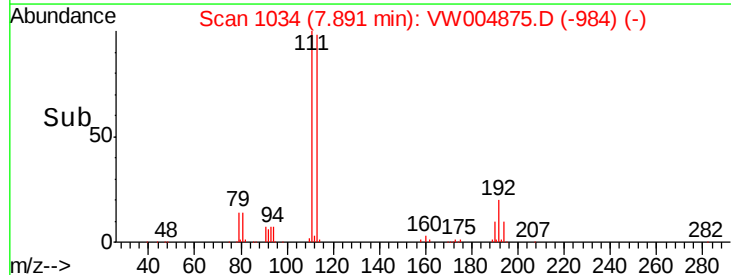
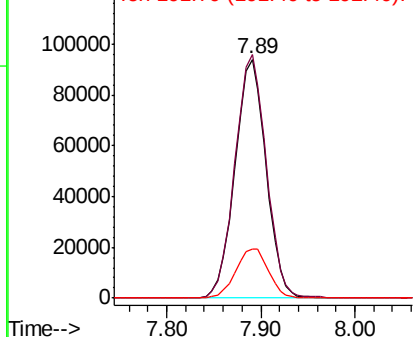


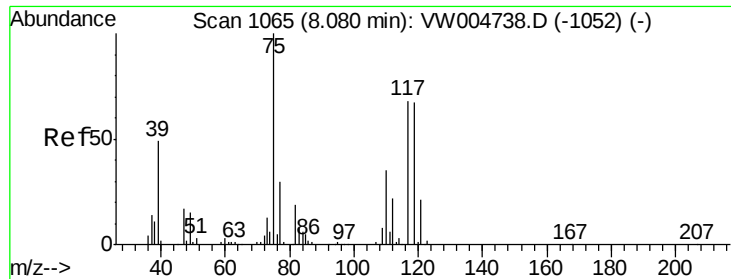
#35
 Dibromofluoromethane
 Concen: 50.070 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004875.D
 Acq: 22 Aug 2018 07:53

Tgt Ion:113 Resp: 215801
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.4 123.6
 192 21.5 16.7 25.1



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

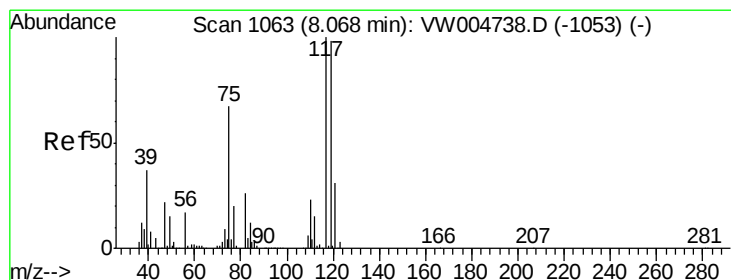
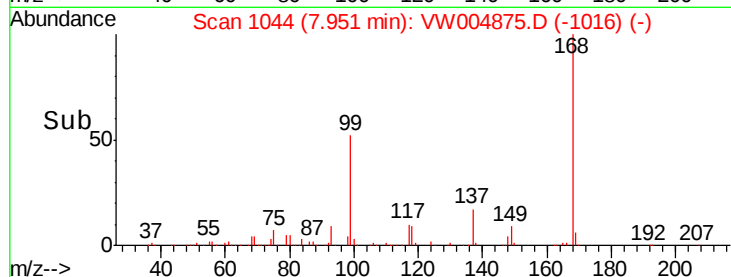
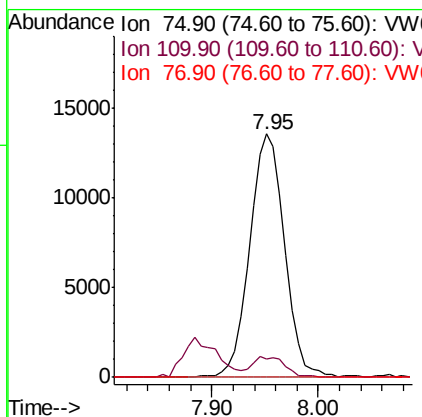
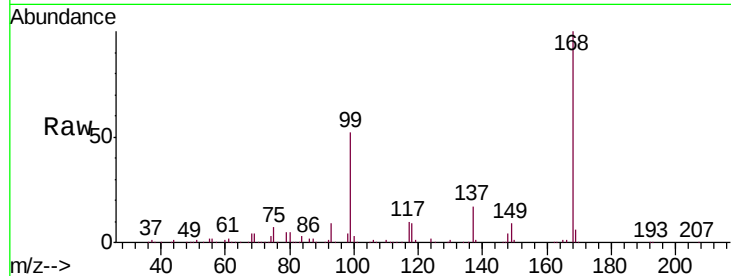




#36
 1,1-Dichloropropene
 Concen: 4.491 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004875.D
 Acq: 22 Aug 2018 07:53

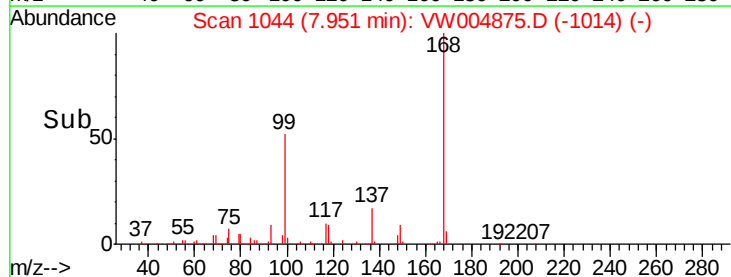
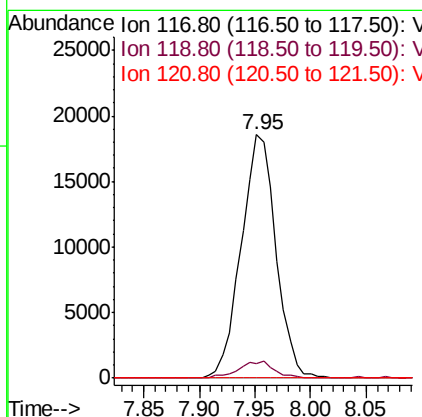
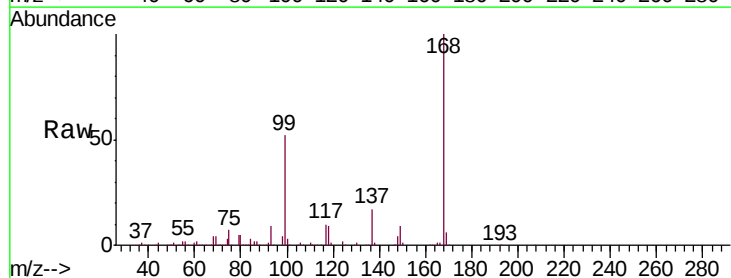
Instrument :
 MSVOA_W
 ClientSampled :
 RN-SOIL

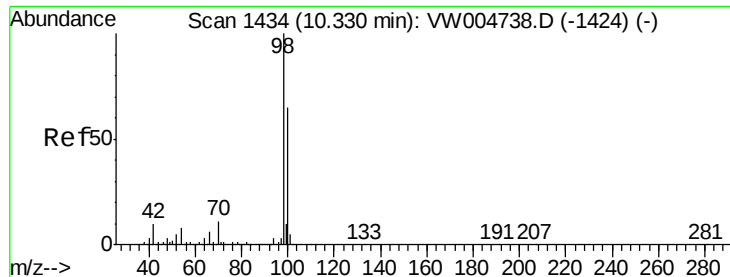
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.8	53.5#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.282 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW004875.D
 Acq: 22 Aug 2018 07:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	78.0	117.0#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 35.691 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004875.D

Acq: 22 Aug 2018 07:53

Instrument :

MSVOA_W

ClientSampled :

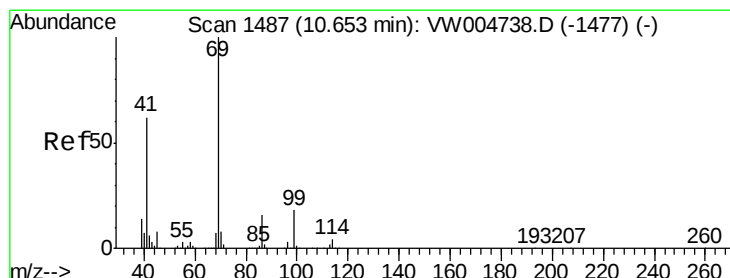
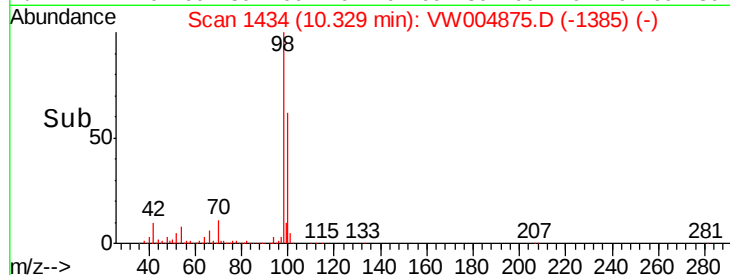
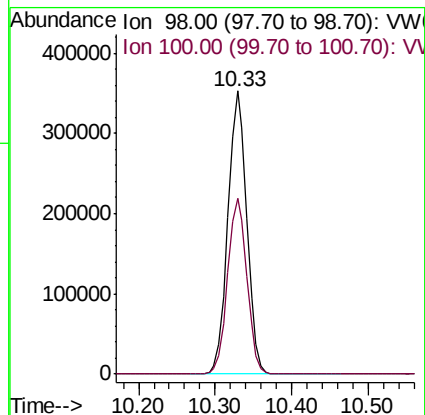
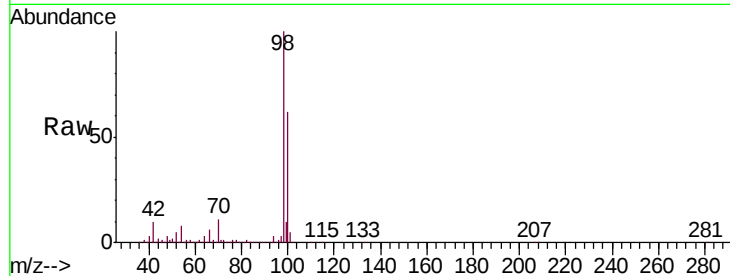
RN-SOIL

Tgt Ion: 98 Resp: 600470

Ion Ratio Lower Upper

98 100

100 63.2 51.8 77.8



#56

Ethyl methacrylate

Concen: 2.984 ug/l

RT: 10.88 min Scan# 1525

Delta R.T. 0.23 min

Lab File: VW004875.D

Acq: 22 Aug 2018 07:53

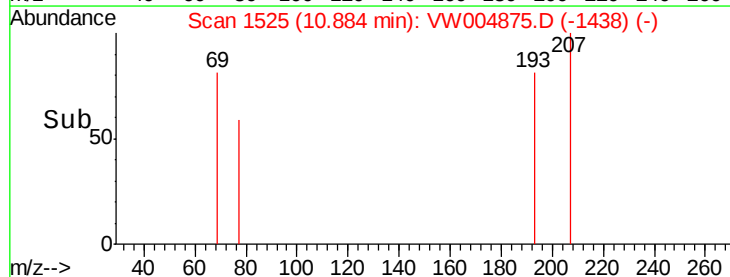
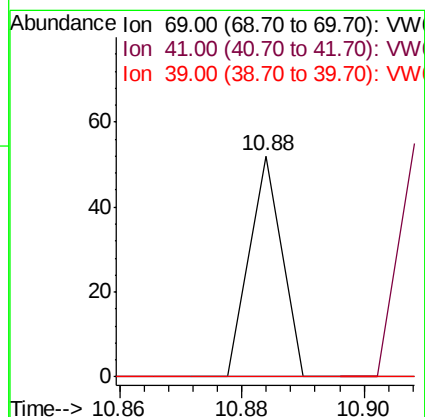
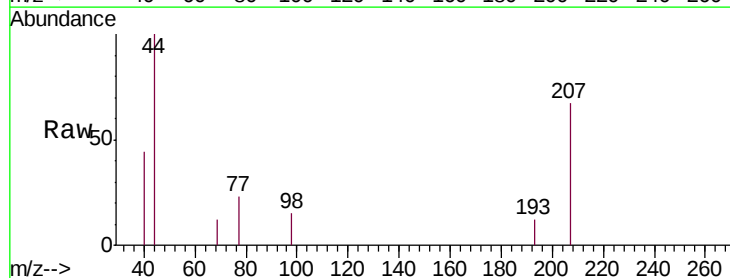
Tgt Ion: 69 Resp: 19

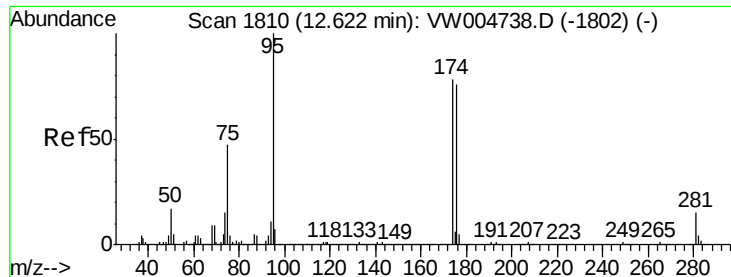
Ion Ratio Lower Upper

69 100

41 0.0 50.7 76.1#

39 0.0 21.4 32.2#

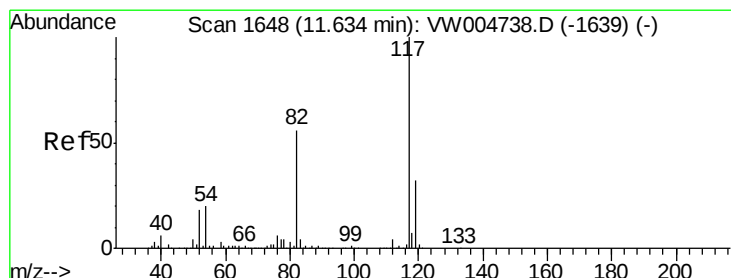
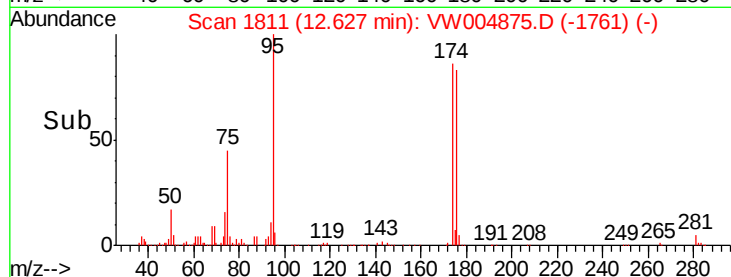
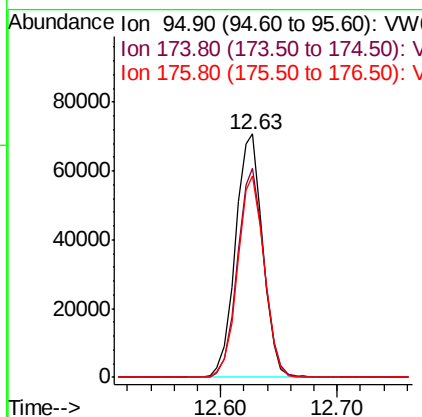
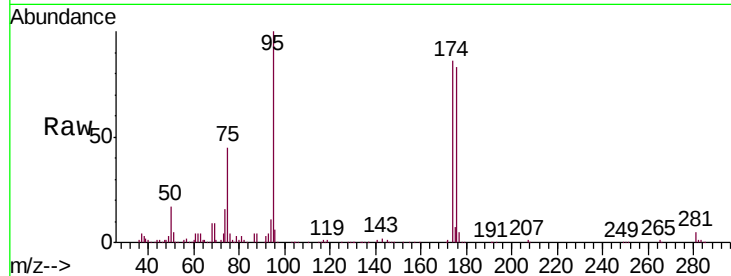




#62
4-Bromofluorobenzene
Concen: 19.011 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW004875.D
Acq: 22 Aug 2018 07:53

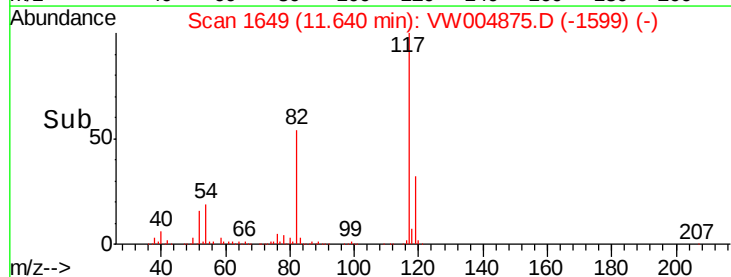
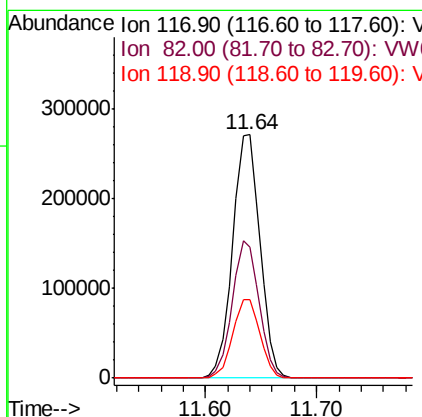
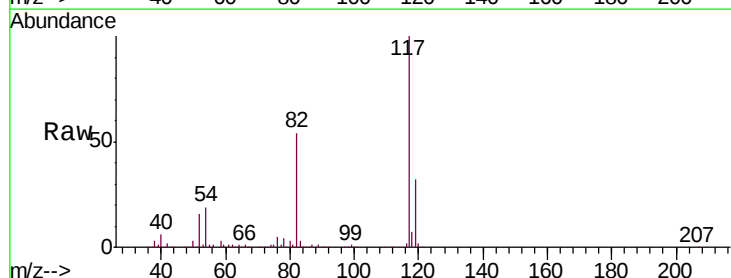
Instrument :
MSVOA_W
ClientSampleId :
RN-SOIL

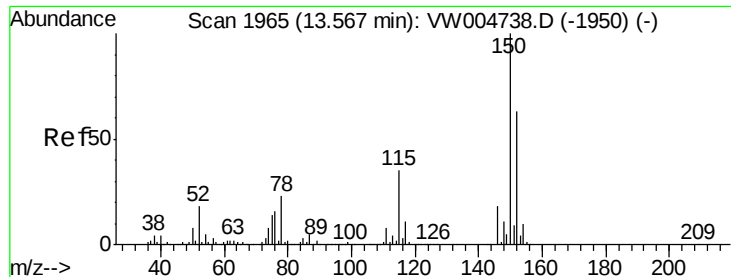
Tgt Ion: 95 Resp: 115066
Ion Ratio Lower Upper
95 100
174 84.3 0.0 165.8
176 81.2 0.0 159.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW004875.D
Acq: 22 Aug 2018 07:53

Tgt Ion: 117 Resp: 461289
Ion Ratio Lower Upper
117 100
82 53.8 44.6 67.0
119 32.1 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW004875.D

Acq: 22 Aug 2018 07:53

Instrument :

MSVOA_W

ClientSampleId :

RN-SOIL

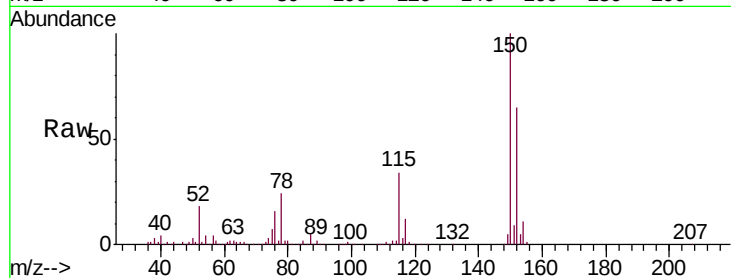
Tgt Ion:152 Resp: 100875

Ion Ratio Lower Upper

152 100

115 55.1 28.5 85.5

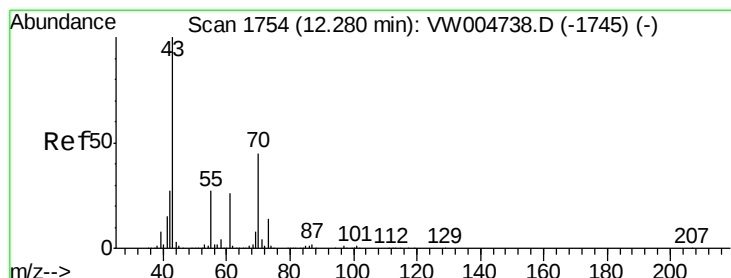
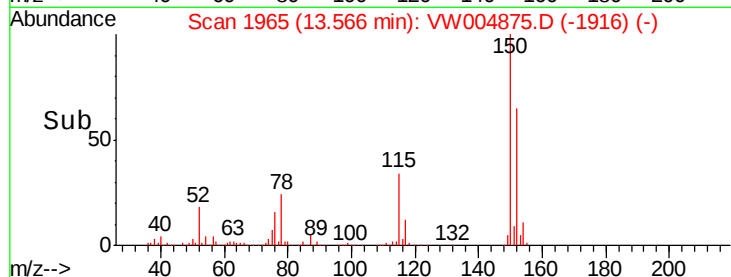
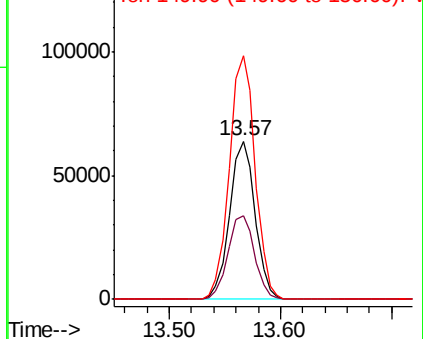
150 156.3 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 4.032 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. 0.01 min

Lab File: VW004875.D

Acq: 22 Aug 2018 07:53

Tgt Ion: 43 Resp: 22

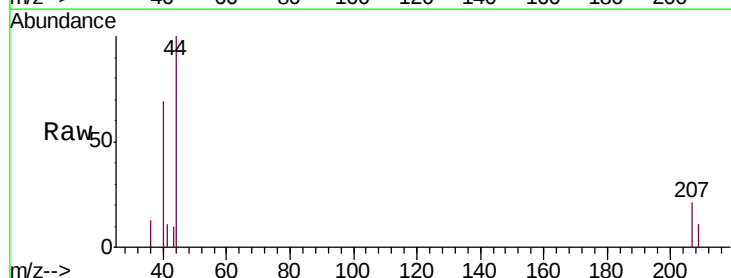
Ion Ratio Lower Upper

43 100

70 0.0 36.3 54.5#

55 0.0 22.6 33.8#

61 0.0 20.2 30.4#

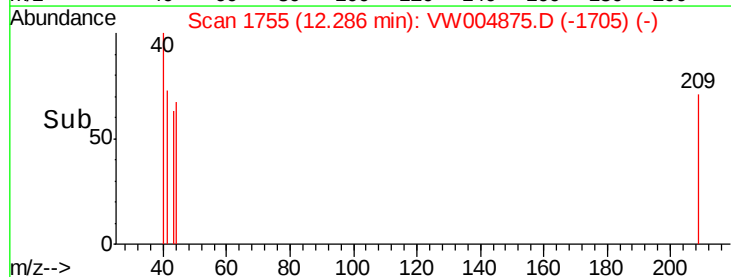
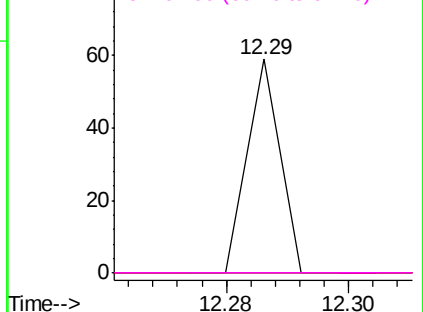


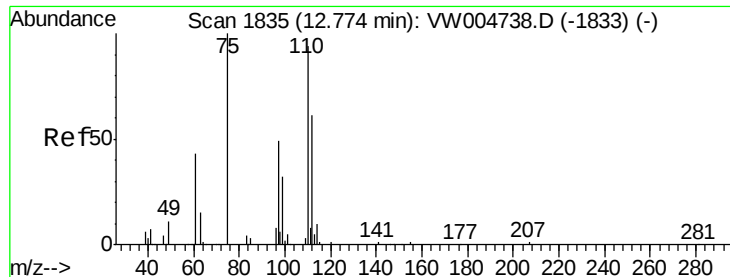
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#76

1,2,3-Trichloropropane

Concen: 61.344 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004875.D

Acq: 22 Aug 2018 07:53

Instrument :

MSVOA_W

ClientSampled :

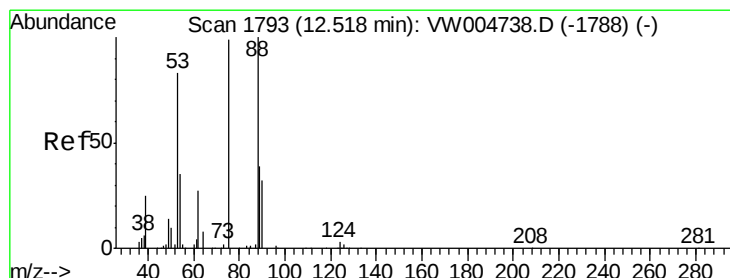
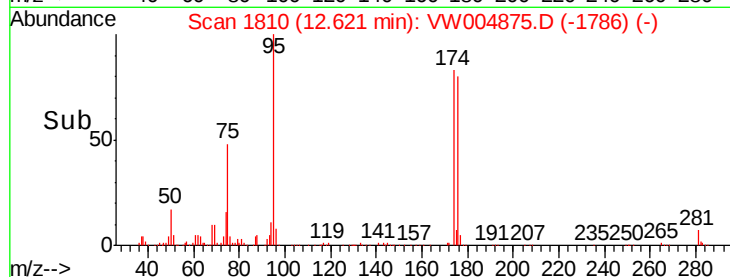
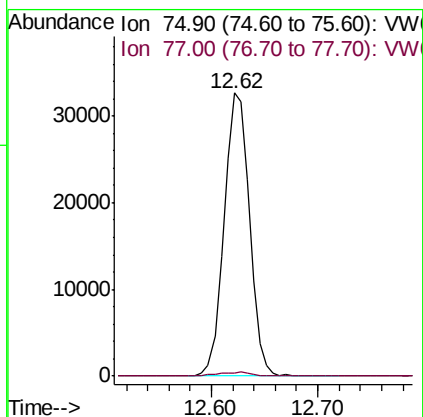
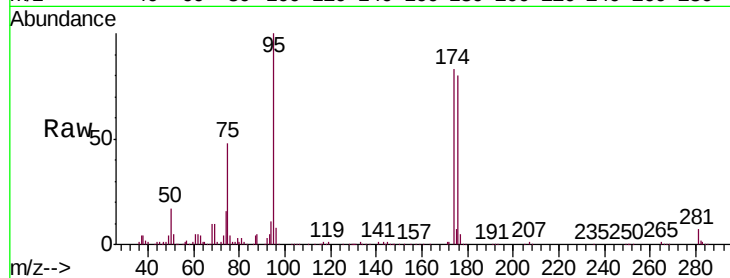
RN-SOIL

Tgt Ion: 75 Resp: 54549

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 142.579 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004875.D

Acq: 22 Aug 2018 07:53

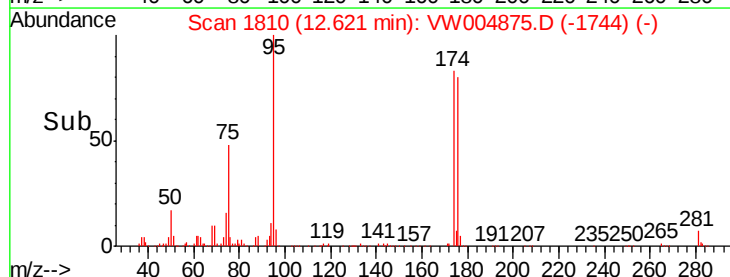
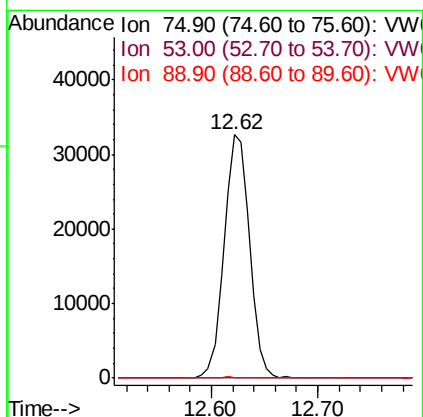
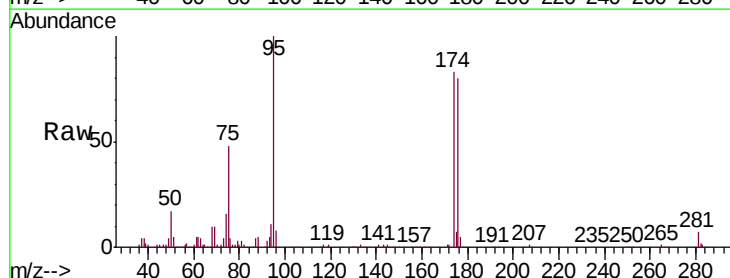
Tgt Ion: 75 Resp: 54549

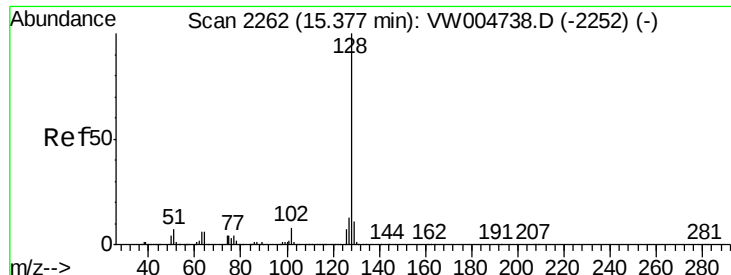
Ion Ratio Lower Upper

75 100

53 0.2 72.2 108.4#

89 0.1 35.2 52.8#

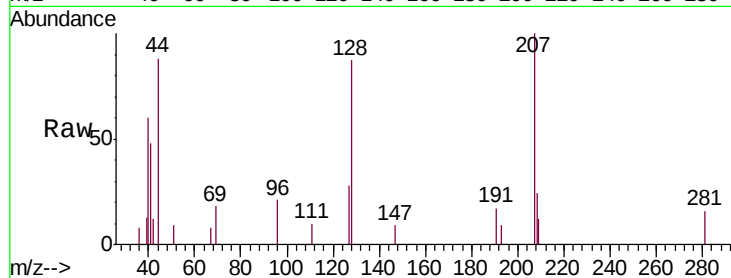




#95
Naphthalene
Concen: 3.715 ug/l
RT: 15.37 min Scan# 2261
Delta R.T. -0.01 min
Lab File: VW004875.D
Acq: 22 Aug 2018 07:53

Instrument :
MSVOA_W
ClientSampleId :
RN-SOIL

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	5.6	8.6	13.0



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

