

Data File : VW005137.D
Acq On : 05 Sep 2018 18:44
Operator : SY/AP
Sample : J4712-04RE
Misc : 5.26G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-09RE

Quant Time: Sep 06 01:21:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 01 03:35:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	498783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	814442	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	832658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	427164	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	306085	74.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.06%	
35) Dibromofluoromethane	7.89	113	260377	55.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.64%	
50) Toluene-d8	10.33	98	1113903	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.63	95	418296	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	

Target Compounds

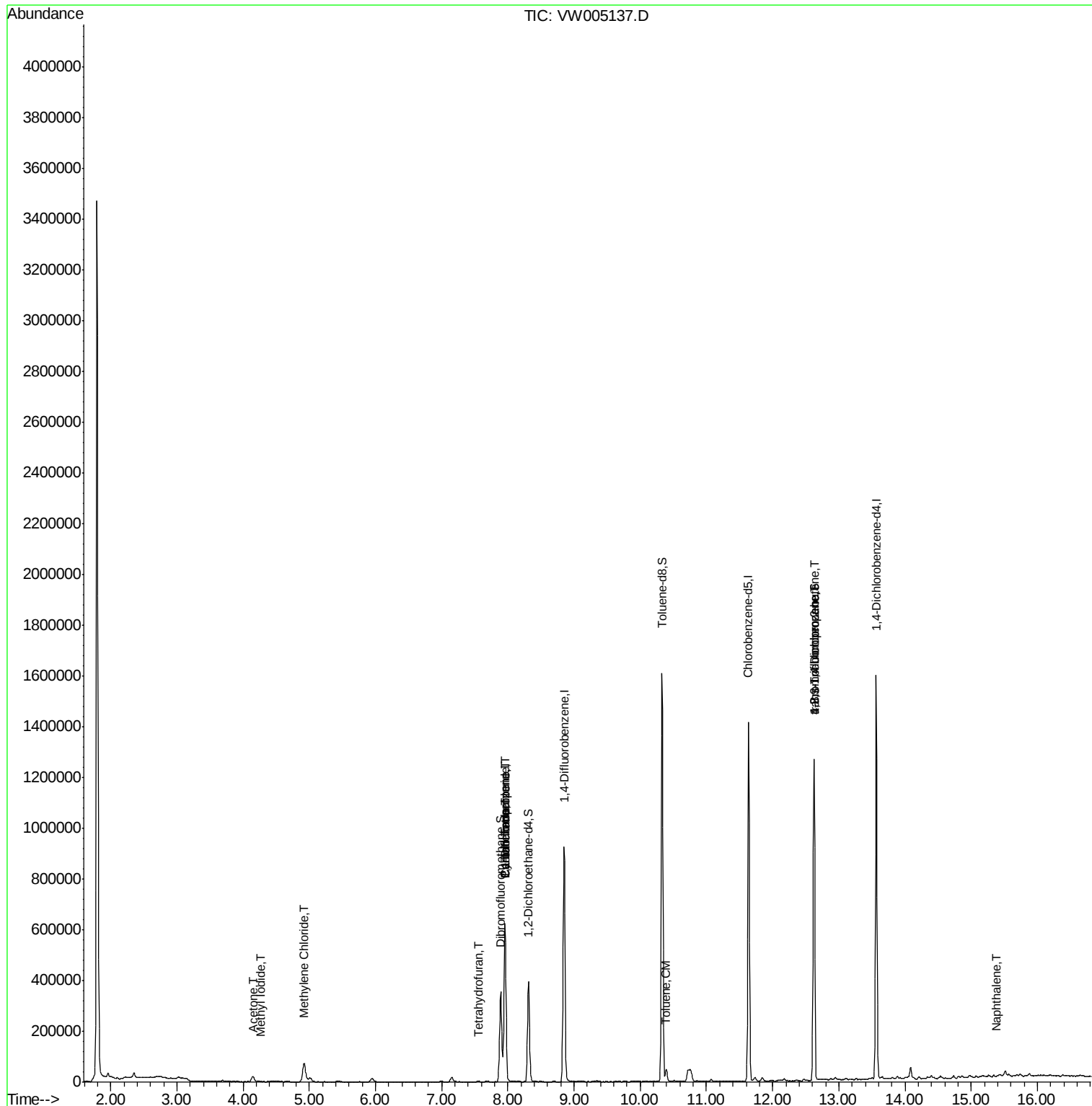
					Qvalue	
5) Bromomethane	2.76	94	818	Below Cal	#	50
10) Methyl Iodide	4.27	142	311	3.863	ug/l #	61
11) Tert butyl alcohol	5.21	59	823	Below Cal	#	72
16) Acetone	4.15	43	35865	43.252	ug/l	100
20) Methylene Chloride	4.93	84	59477	7.293	ug/l	97
29) Tetrahydrofuran	7.56	42	1202	1.636	ug/l #	58
31) Cyclohexane	7.95	56	9816	1.209	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	35369	4.560	ug/l #	47
38) Carbon Tetrachloride	7.96	117	45686	6.194	ug/l #	17
52) Toluene	10.39	92	19562	1.216	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	195789	61.062	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	195789	146.970	ug/l #	15
95) Naphthalene	15.38	128	3367	4.181	ug/l #	78

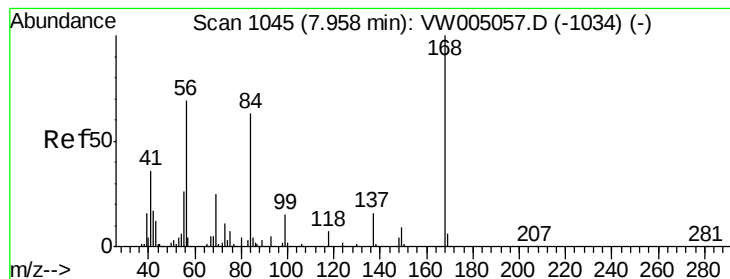
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005137.D

Acq: 05 Sep 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

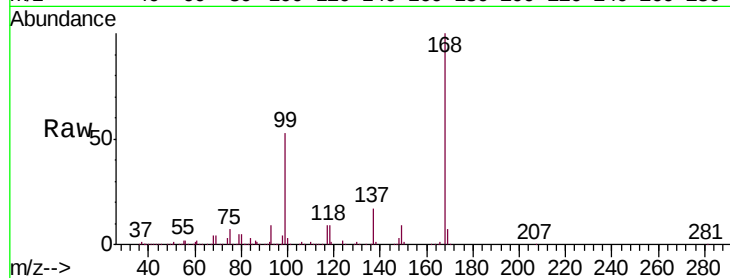
SB-09RE

Tgt Ion:168 Resp: 498783

Ion Ratio Lower Upper

168 100

99 53.2 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

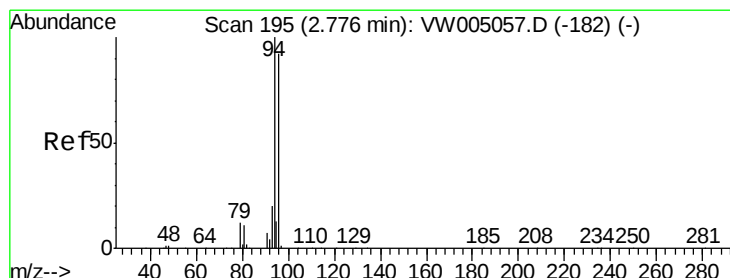
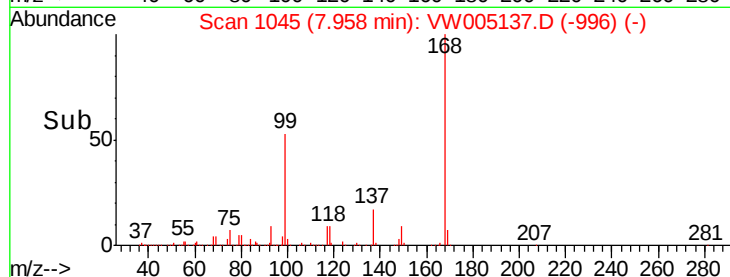
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW005137.D

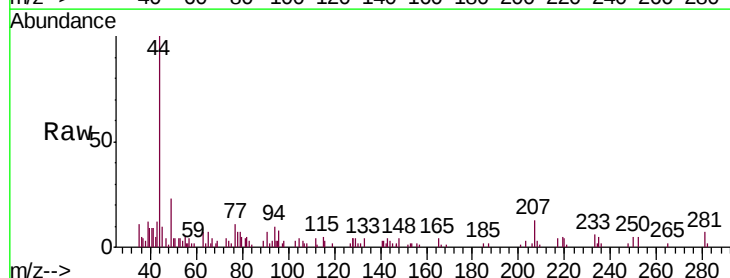
Acq: 05 Sep 2018 18:44

Tgt Ion: 94 Resp: 818

Ion Ratio Lower Upper

94 100

96 43.7 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

500

400

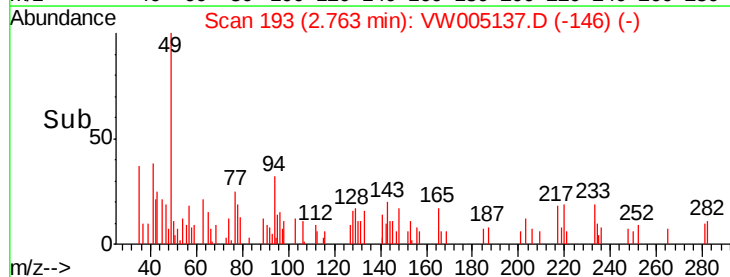
300

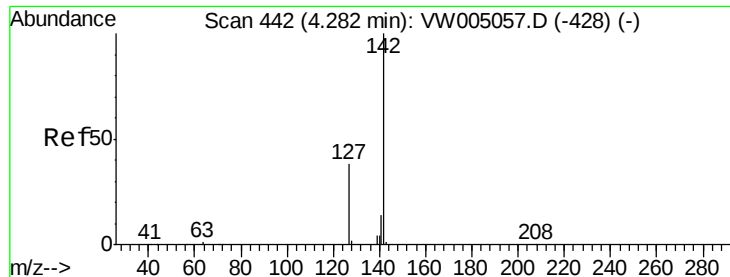
200

100

0

Time--> 2.70 2.75 2.80 2.85

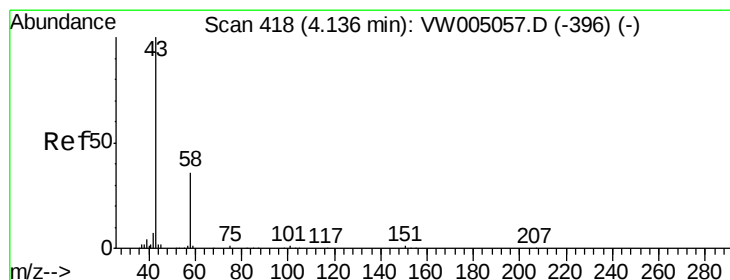
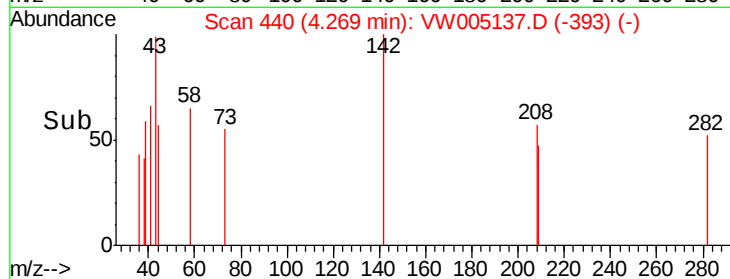
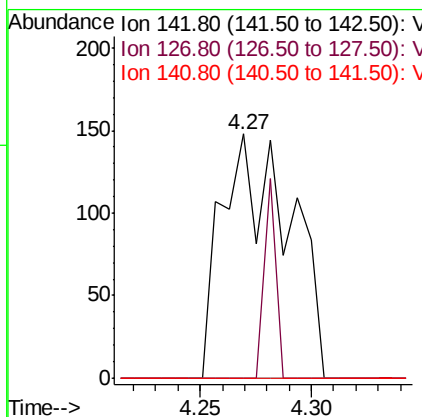
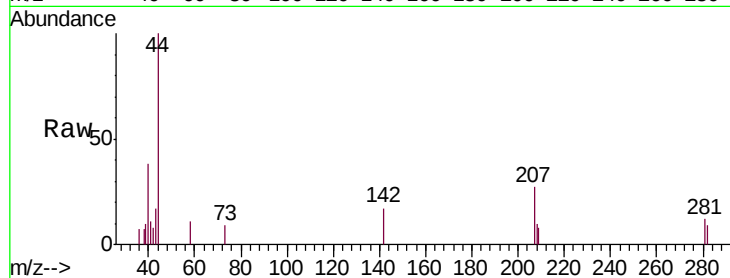




#10
Methyl Iodide
Concen: 3.863 ug/l
RT: 4.27 min Scan# 440
Delta R.T. -0.01 min
Lab File: VW005137.D
Acq: 05 Sep 2018 18:44

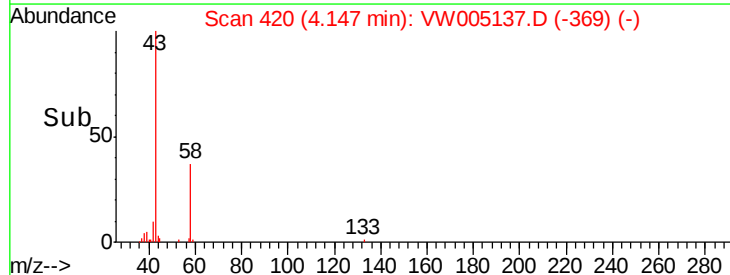
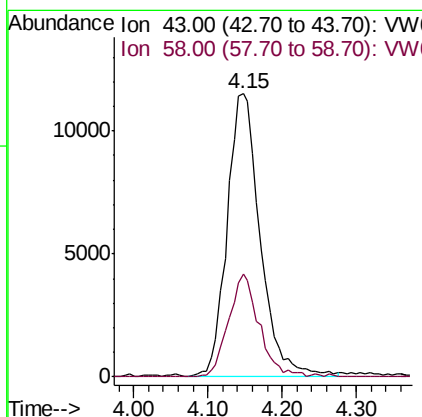
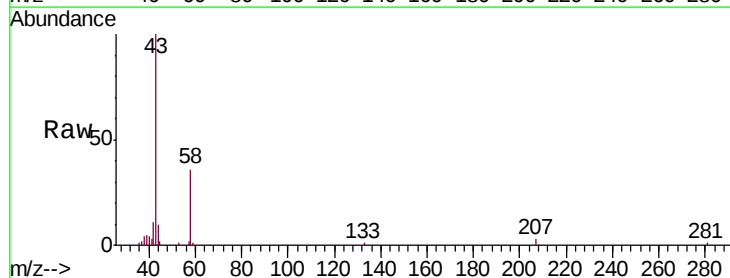
Instrument :
MSVOA_W
ClientSampleId :
SB-09RE

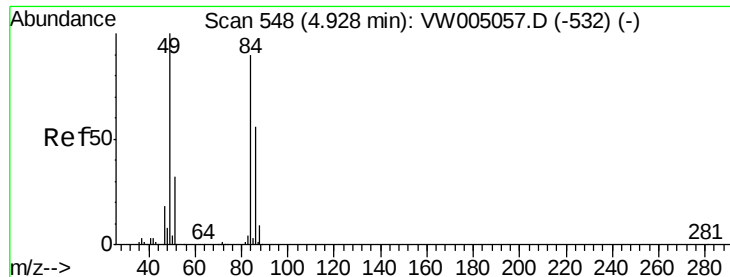
Tgt Ion: 142 Resp: 311
Ion Ratio Lower Upper
142 100
127 14.1 30.8 46.2#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 43.252 ug/l
RT: 4.15 min Scan# 420
Delta R.T. 0.01 min
Lab File: VW005137.D
Acq: 05 Sep 2018 18:44

Tgt Ion: 43 Resp: 35865
Ion Ratio Lower Upper
43 100
58 36.4 29.0 43.6

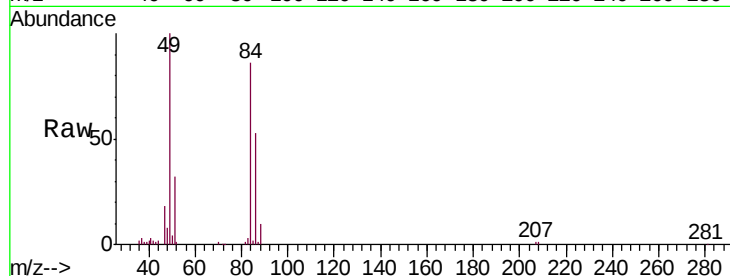




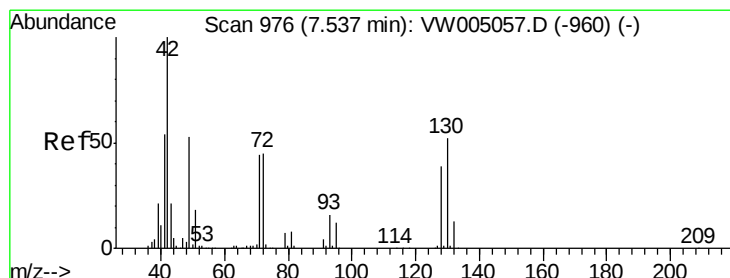
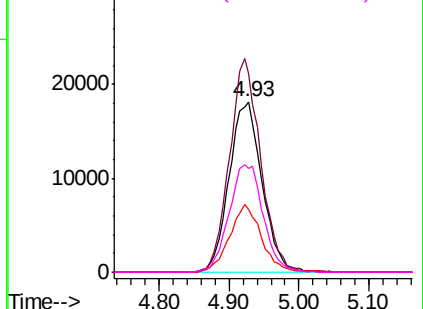
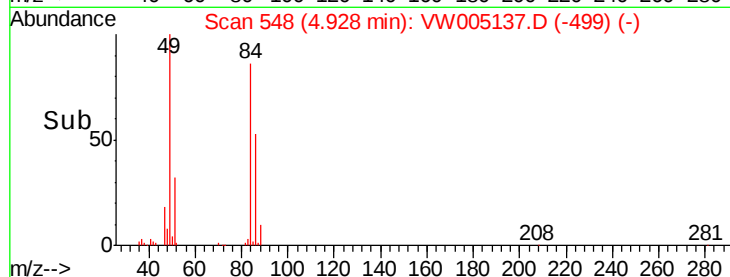
#20
Methylene Chloride
Concen: 7.293 ug/l
RT: 4.93 min Scan# 548
Delta R.T. -0.00 min
Lab File: VW005137.D
Acq: 05 Sep 2018 18:44

Instrument :
MSVOA_W
ClientSampleId :
SB-09RE

Tgt Ion: 84 Resp: 59477
Ion Ratio Lower Upper
84 100
49 116.0 88.7 133.1
51 36.8 28.6 42.8
86 61.0 49.4 74.2

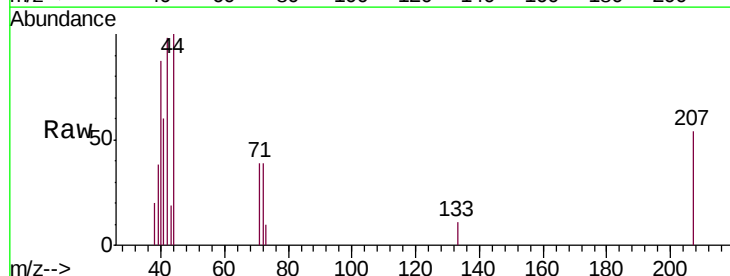


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

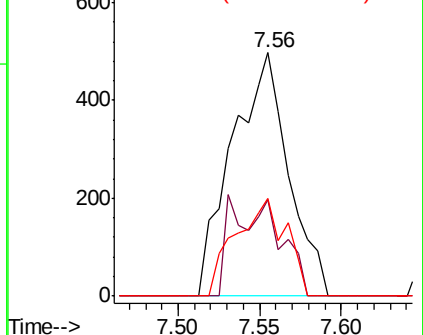
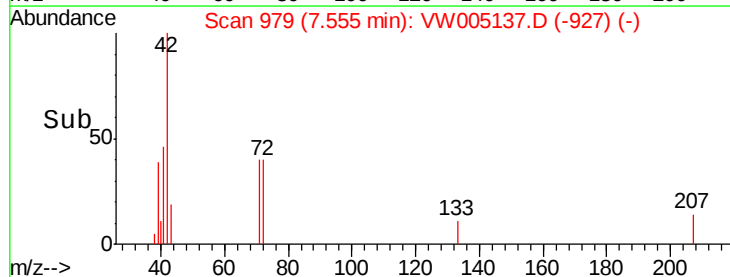


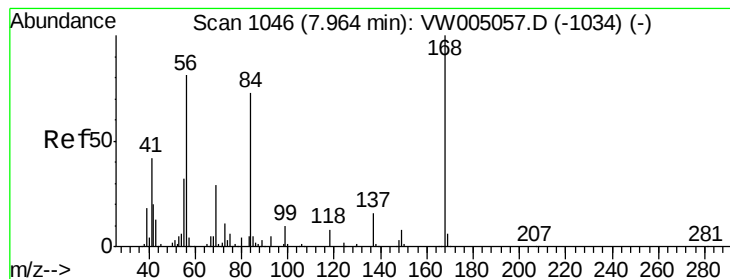
#29
Tetrahydrofuran
Concen: 1.636 ug/l
RT: 7.56 min Scan# 979
Delta R.T. 0.02 min
Lab File: VW005137.D
Acq: 05 Sep 2018 18:44

Tgt Ion: 42 Resp: 1202
Ion Ratio Lower Upper
42 100
72 0.0 37.0 55.4#
71 35.9 35.0 52.6



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.209 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW005137.D

Acq: 05 Sep 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

SB-09RE

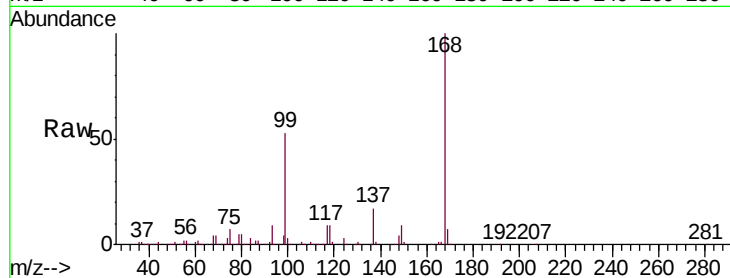
Tgt Ion: 56 Resp: 9816

Ion Ratio Lower Upper

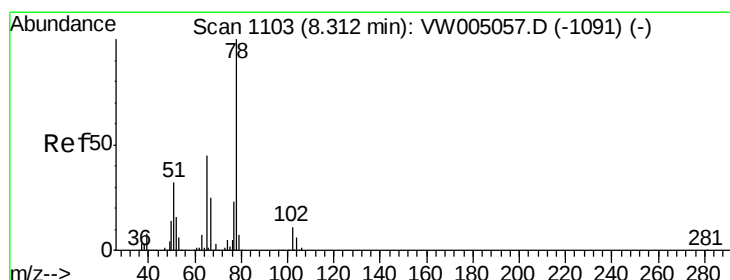
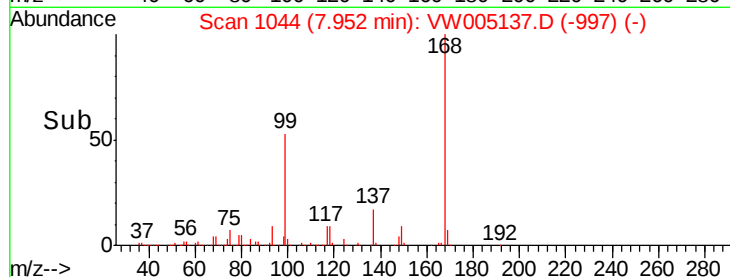
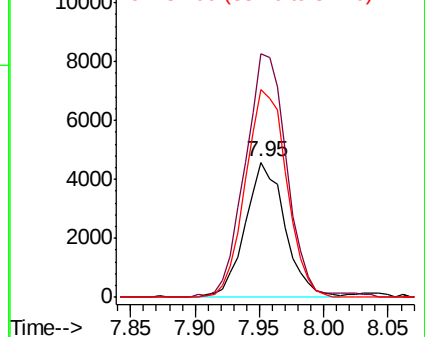
56 100

69 180.5 28.2 42.2#

84 153.5 71.8 107.8#



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: 74.029 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW005137.D

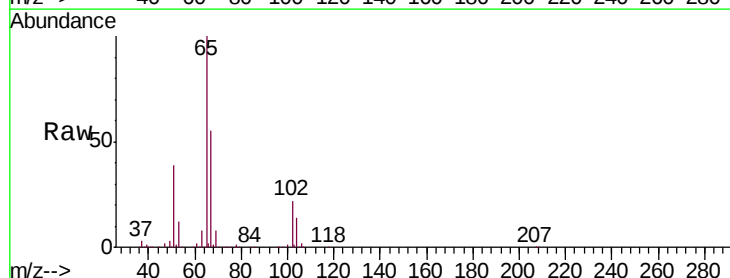
Acq: 05 Sep 2018 18:44

Tgt Ion: 65 Resp: 306085

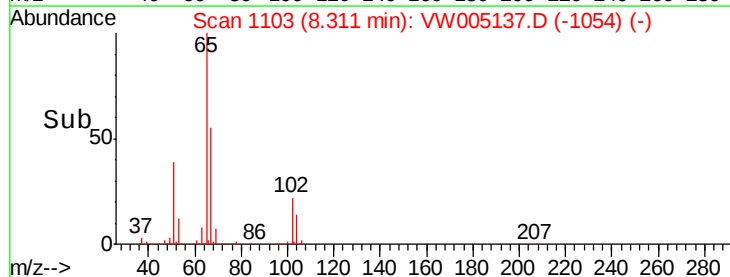
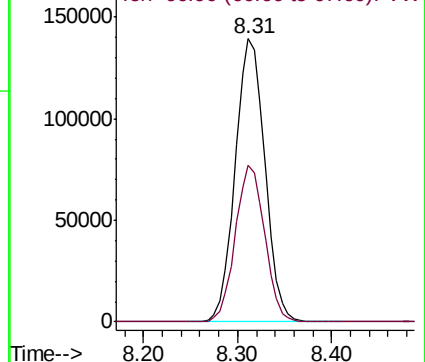
Ion Ratio Lower Upper

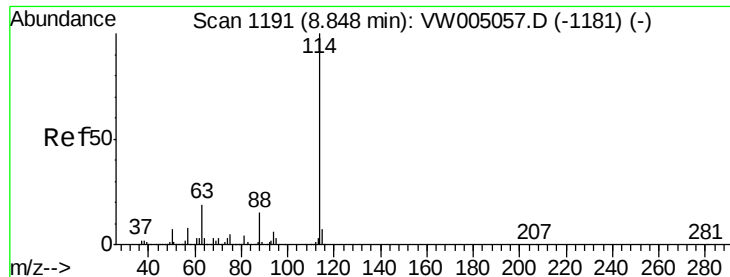
65 100

67 54.8 0.0 109.4



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

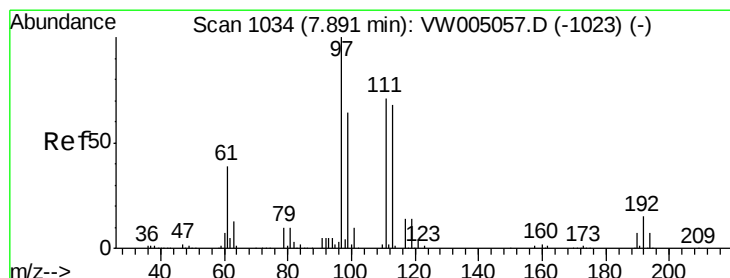
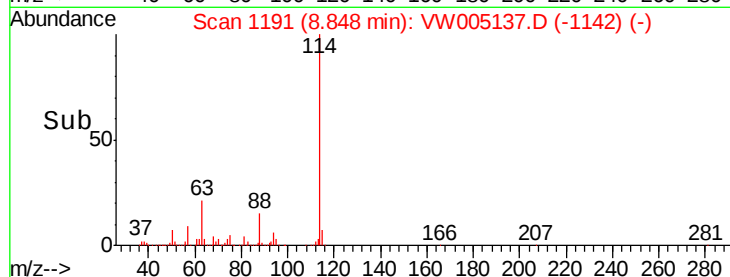
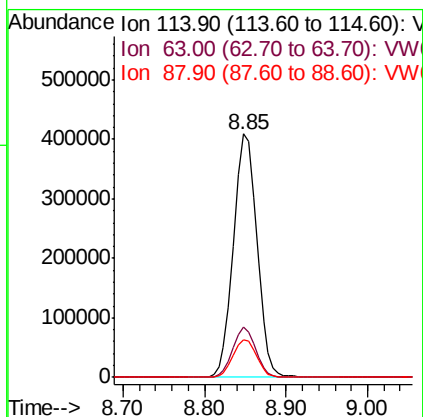
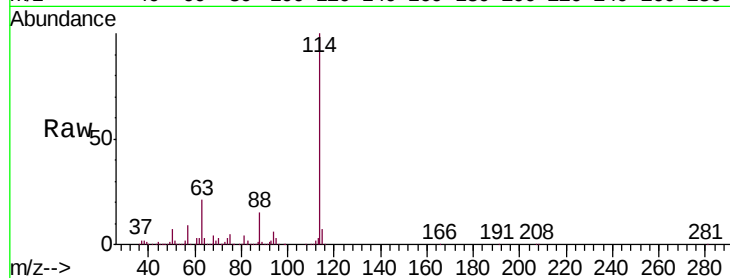




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW005137.D
 Acq: 05 Sep 2018 18:44

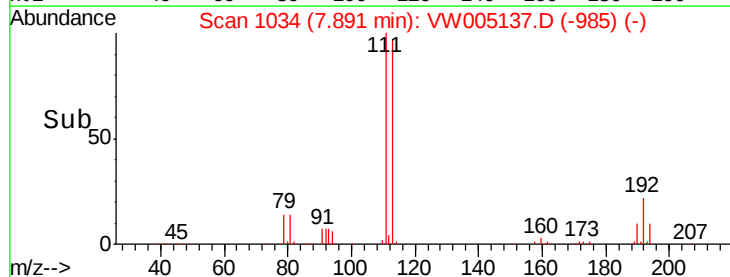
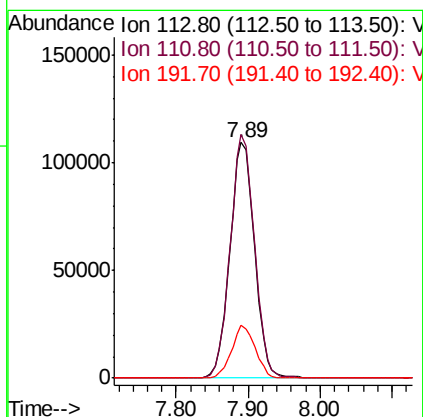
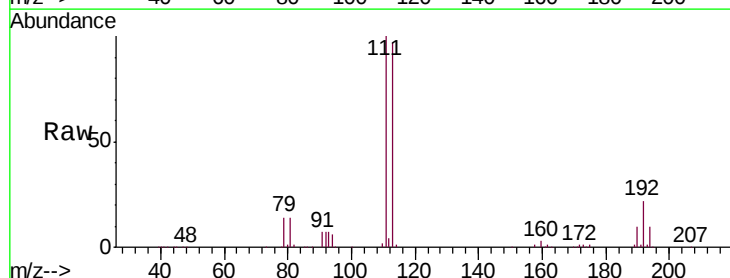
Instrument :
 MSVOA_W
 ClientSampled :
 SB-09RE

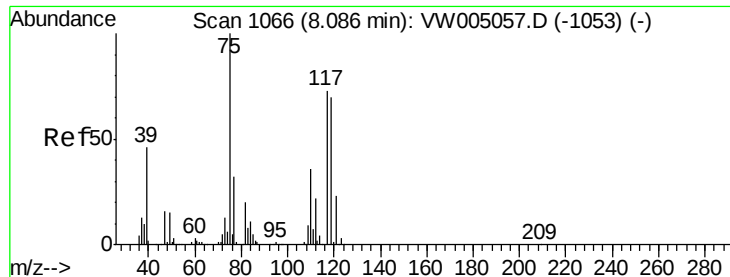
Tgt Ion:114 Resp: 814442
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 38.0
 88 15.4 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 55.322 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: VW005137.D
 Acq: 05 Sep 2018 18:44

Tgt Ion:113 Resp: 260377
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.2 123.2
 192 21.2 18.1 27.1





#36

1,1-Dichloropropene

Concen: 4.560 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.13 min

Lab File: VW005137.D

Acq: 05 Sep 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

SB-09RE

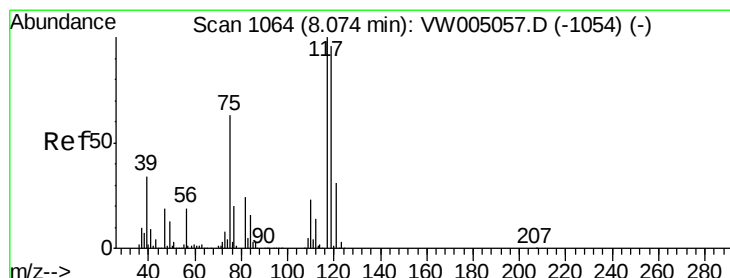
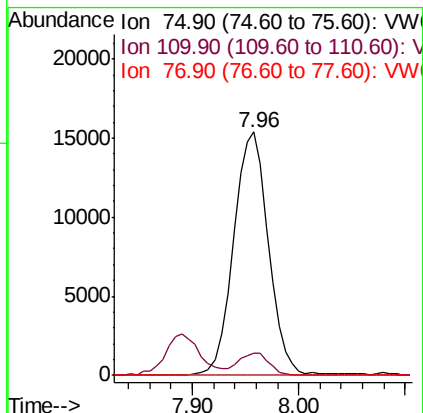
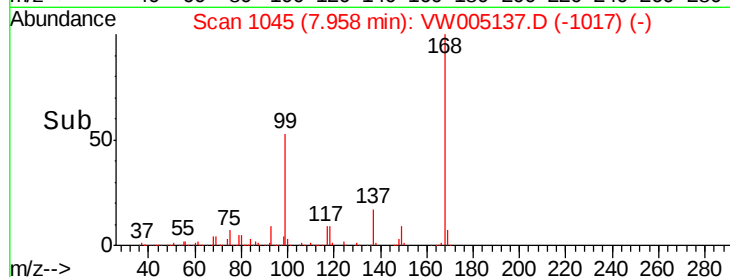
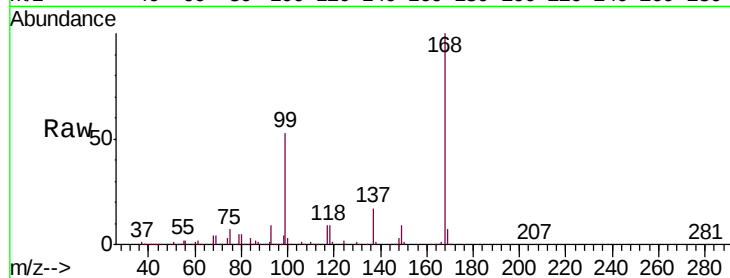
Tgt Ion: 75 Resp: 35369

Ion Ratio Lower Upper

75 100

110 8.5 18.9 56.7#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 6.194 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.12 min

Lab File: VW005137.D

Acq: 05 Sep 2018 18:44

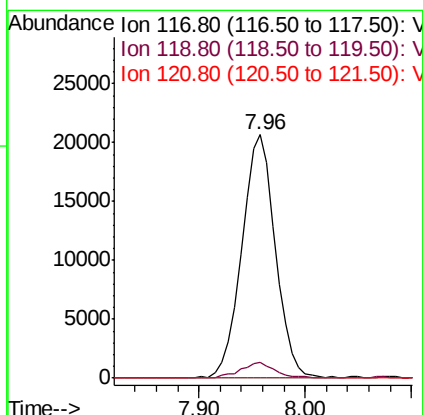
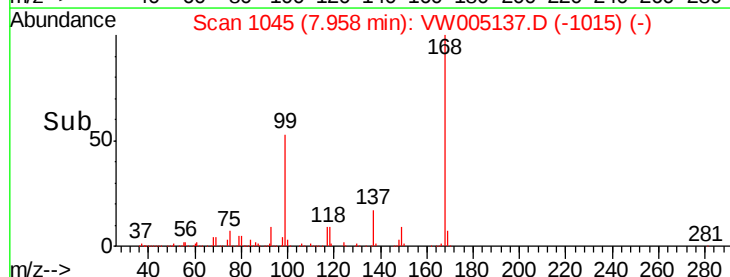
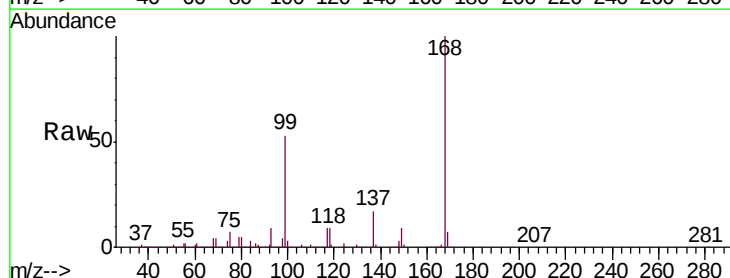
Tgt Ion: 117 Resp: 45686

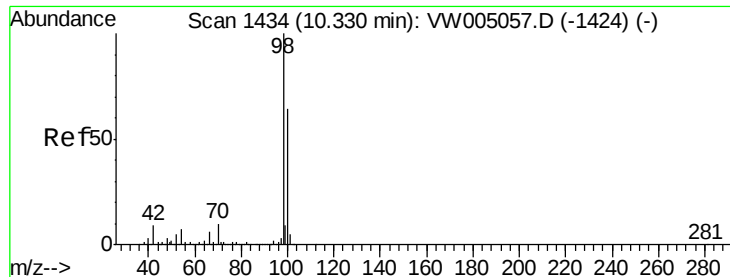
Ion Ratio Lower Upper

117 100

119 6.7 76.6 115.0#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 51.363 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW005137.D

Acq: 05 Sep 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

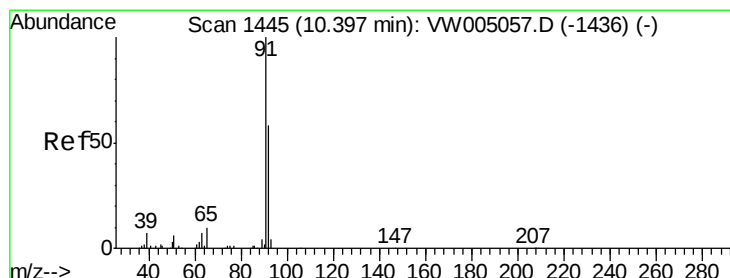
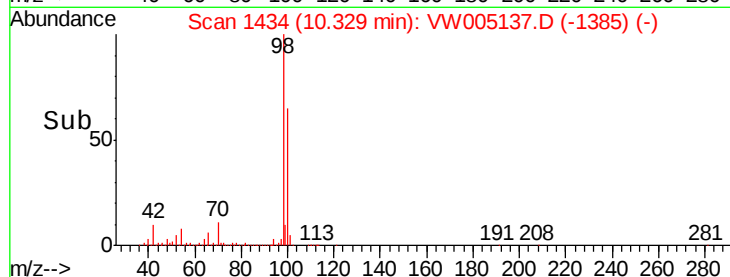
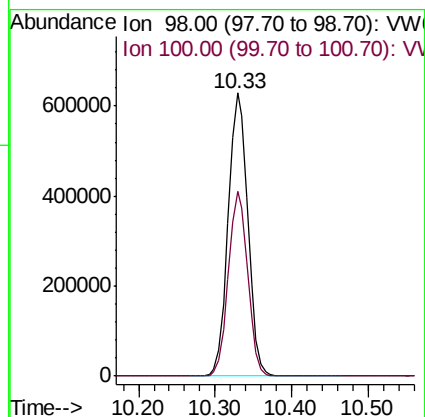
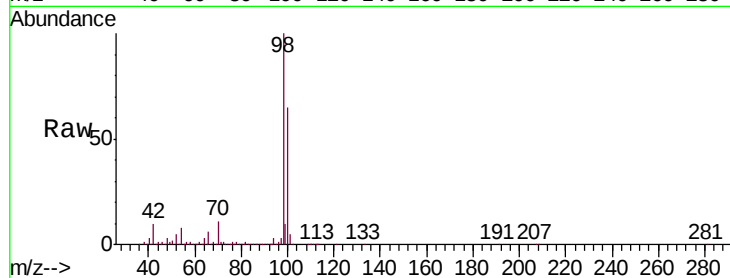
SB-09RE

Tgt Ion: 98 Resp: 1113903

Ion Ratio Lower Upper

98 100

100 64.3 51.7 77.5



#52

Toluene

Concen: 1.216 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW005137.D

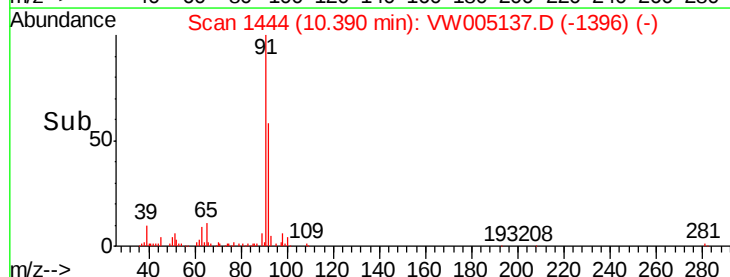
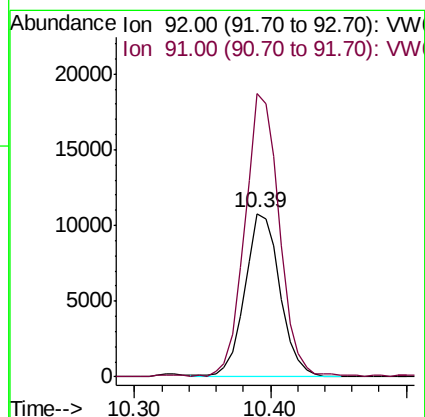
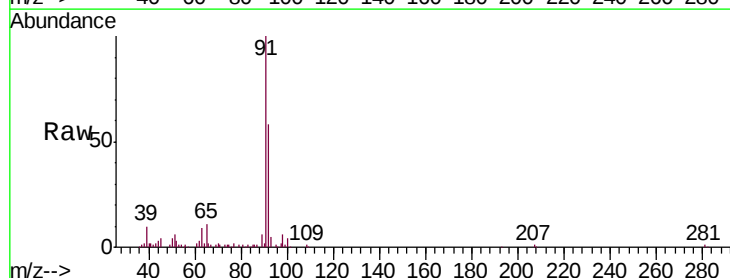
Acq: 05 Sep 2018 18:44

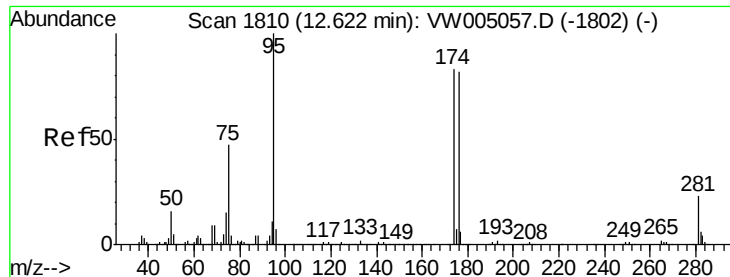
Tgt Ion: 92 Resp: 19562

Ion Ratio Lower Upper

92 100

91 170.1 139.2 208.8





#62

4-Bromofluorobenzene

Concen: 54.701 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW005137.D

Acq: 05 Sep 2018 18:44

Instrument :

MSVOA_W

ClientSampleId :

SB-09RE

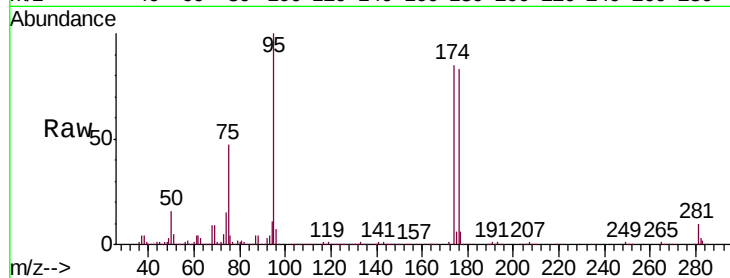
Tgt Ion: 95 Resp: 418296

Ion Ratio Lower Upper

95 100

174 83.3 0.0 173.4

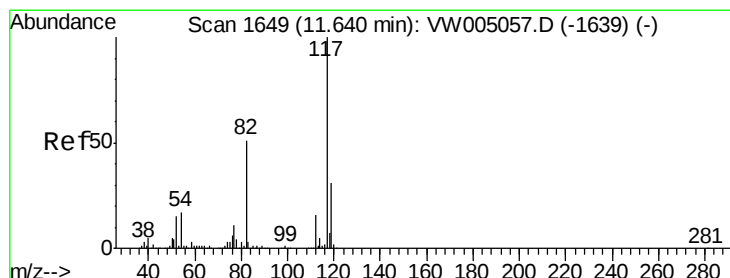
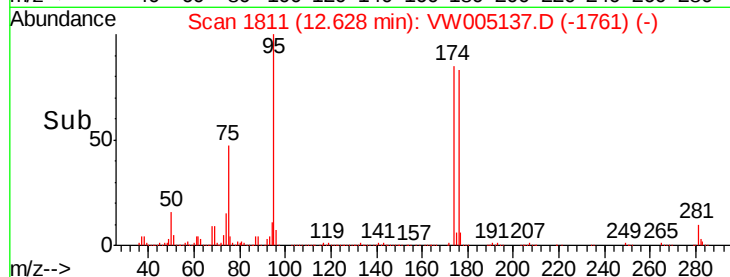
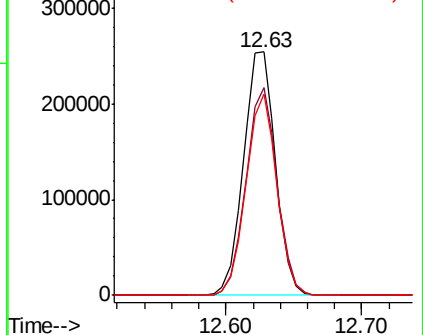
176 79.6 0.0 167.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VW005137.D

Acq: 05 Sep 2018 18:44

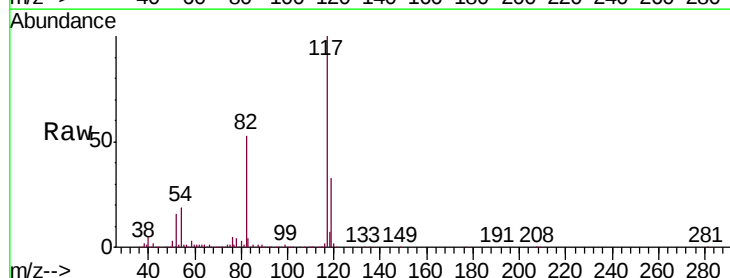
Tgt Ion: 117 Resp: 832658

Ion Ratio Lower Upper

117 100

82 53.4 40.9 61.3

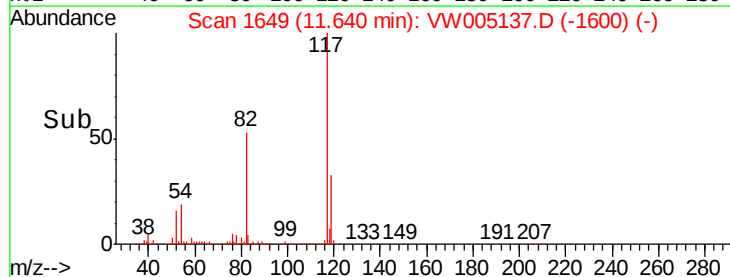
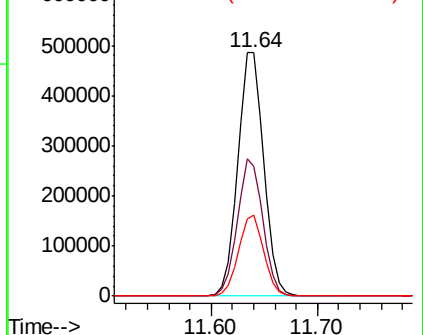
119 33.1 24.9 37.3

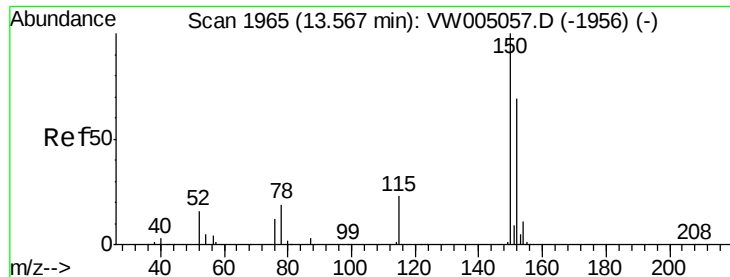


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



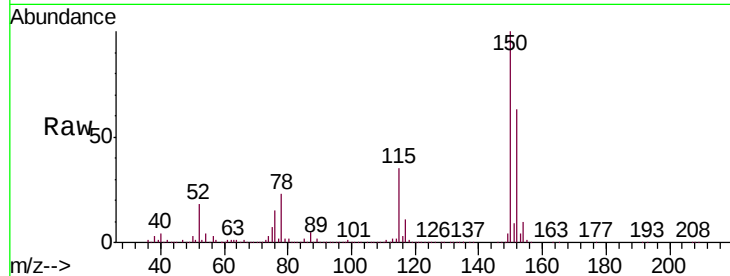


#72

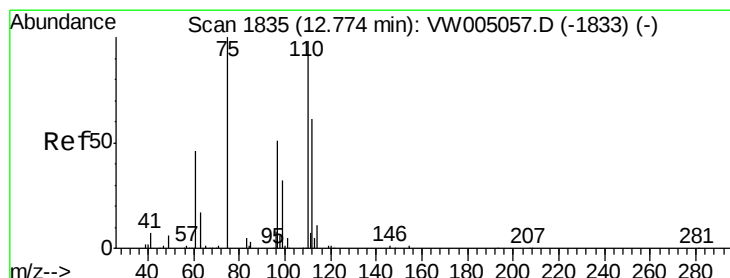
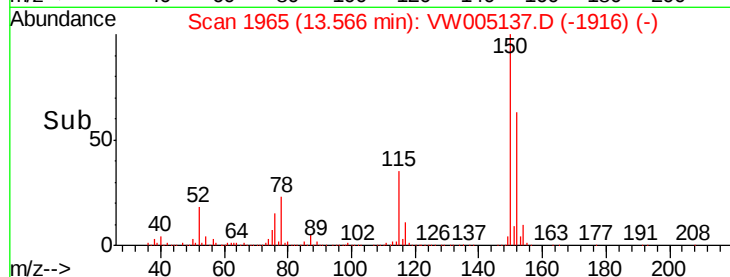
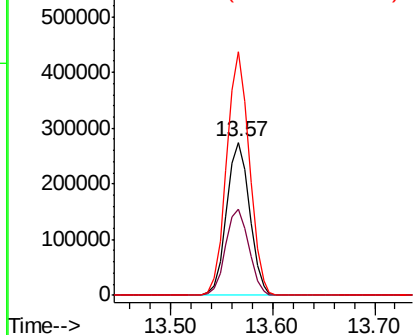
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW005137.D
Acq: 05 Sep 2018 18:44

Instrument :
MSVOA_W
ClientSampleId :
SB-09RE

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	27.8	83.4
150	156.9	0.0	351.4



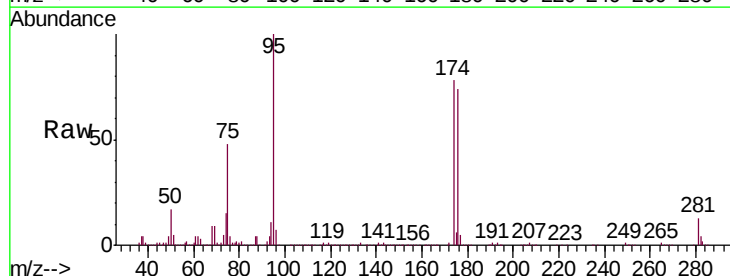
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



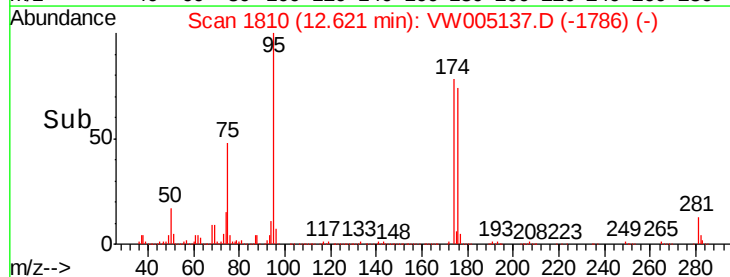
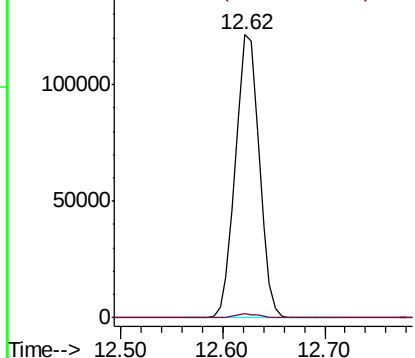
#76

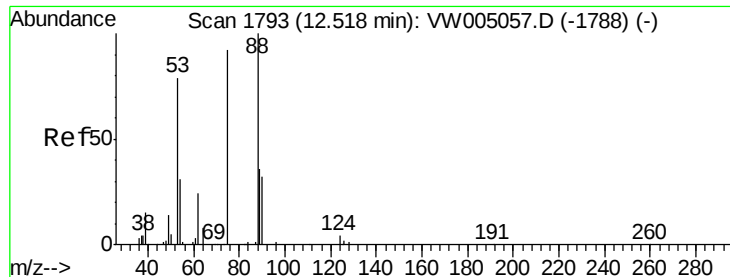
1,2,3-Trichloropropane
Concen: 61.062 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW005137.D
Acq: 05 Sep 2018 18:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

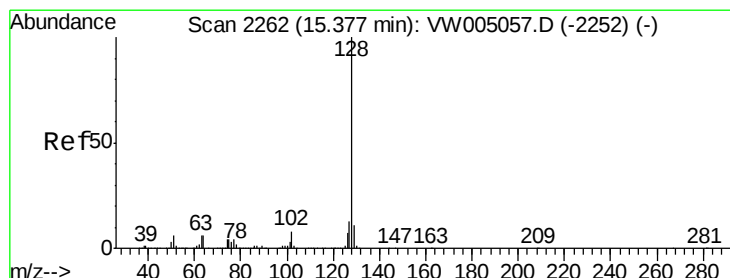
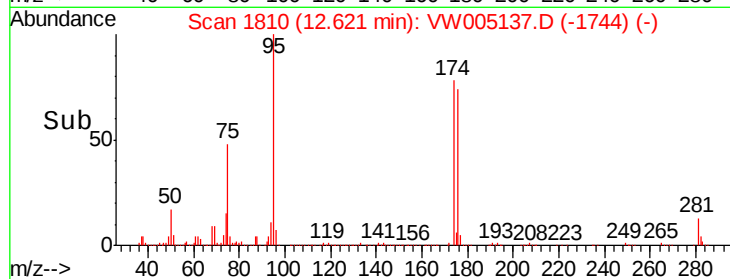
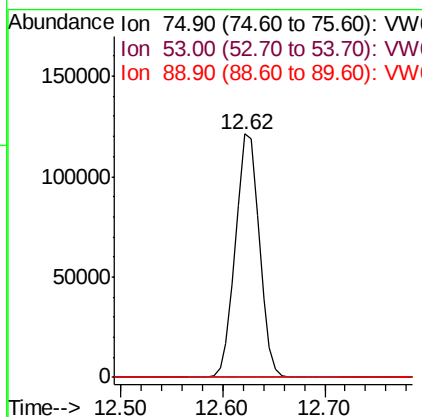
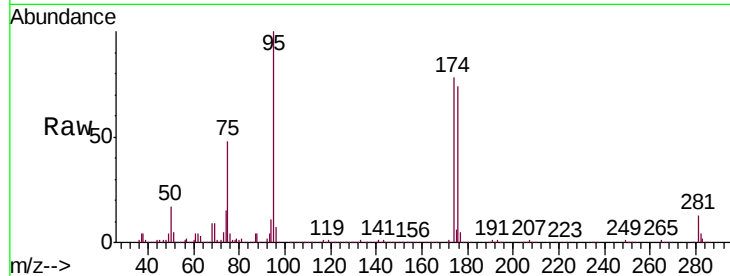




#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.970 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW005137.D
 Acq: 05 Sep 2018 18:44

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-09RE

Tgt Ion: 75 Resp: 195789
 Ion Ratio Lower Upper
 75 100
 53 0.3 69.8 104.8#
 89 0.1 36.0 54.0#



#95
 Naphthalene
 Concen: 4.181 ug/l
 RT: 15.38 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VW005137.D
 Acq: 05 Sep 2018 18:44

Tgt Ion: 128 Resp: 3367
 Ion Ratio Lower Upper
 128 100
 127 17.0 10.4 15.6#
 129 24.9 8.7 13.1#

