

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
 Data File : VW000955.D
 Acq On : 24 Jan 2018 18:39
 Operator : JC/SY
 Sample : J1266-02RE
 Misc : 6.68G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MH-198-ARE

Quant Time: Jan 25 04:43:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 13:31:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	93162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	133512	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	117475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	48335	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	34382	38.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.00%	
35) Dibromofluoromethane	7.88	113	15355	18.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.54%	
50) Toluene-d8	10.33	98	111890	34.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.40%	
62) 4-Bromofluorobenzene	12.63	95	33108	28.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	56.38%	

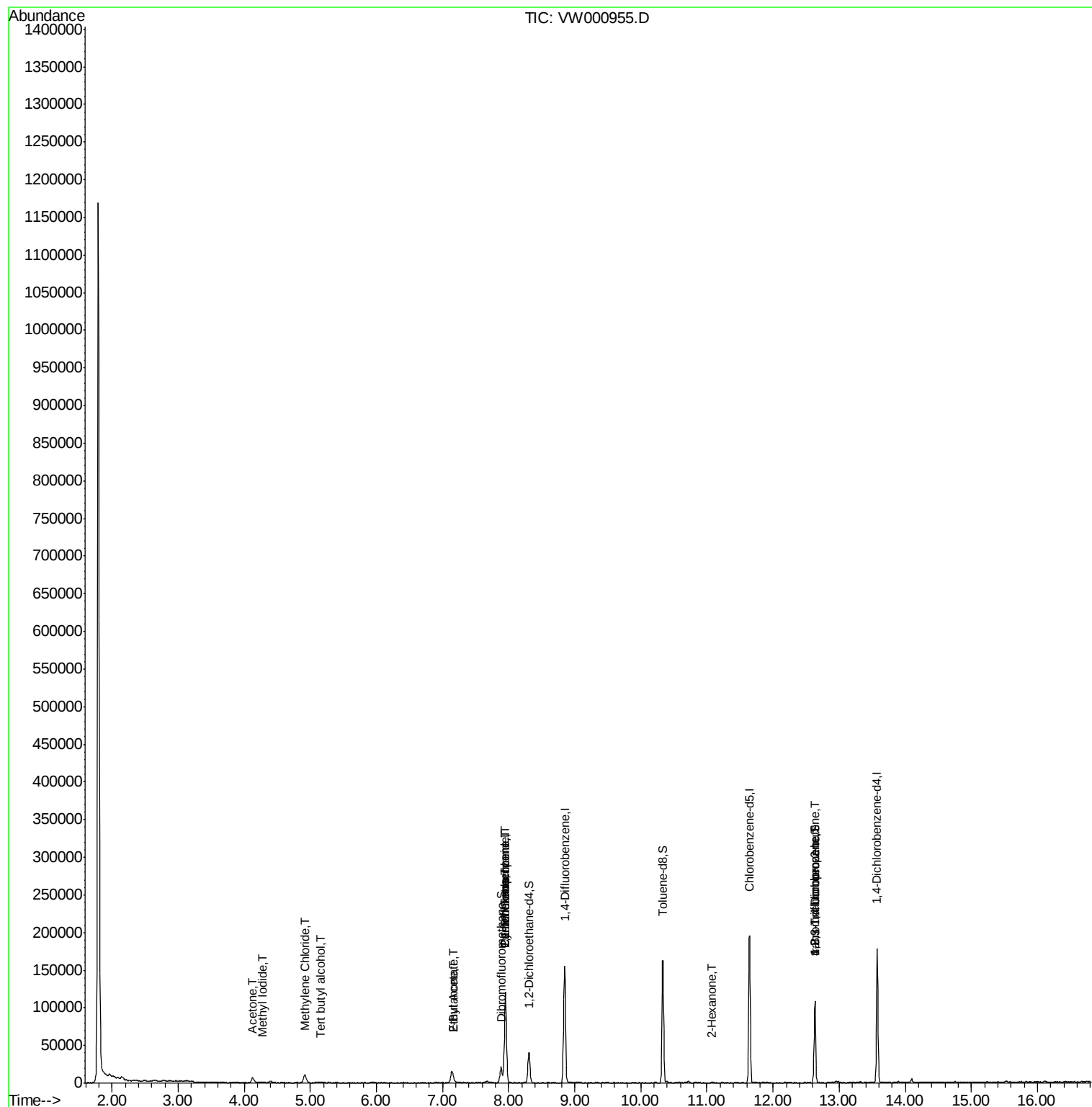
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.27	142	983	5.81	ug/l #	59
11) Tert butyl alcohol	5.15	59	222	2.29	ug/l #	76
16) Acetone	4.12	43	10801	43.63	ug/l	95
20) Methylene Chloride	4.92	84	8157	7.60	ug/l	91
25) 2-Butanone	7.17	43	2857	7.23	ug/l #	83
31) Cyclohexane	7.95	56	1824	1.25	ug/l #	35
36) 1,1-Dichloropropene	7.95	75	6237	4.90	ug/l #	52
37) Ethyl Acetate	7.17	43	2857	3.97	ug/l #	67
38) Carbon Tetrachloride	7.95	117	9509	6.77	ug/l #	17
59) 2-Hexanone	11.06	43	59	14.76	ug/l #	24
76) 1,2,3-Trichloropropane	12.63	75	16655	29.78	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	16655	72.46	ug/l #	11

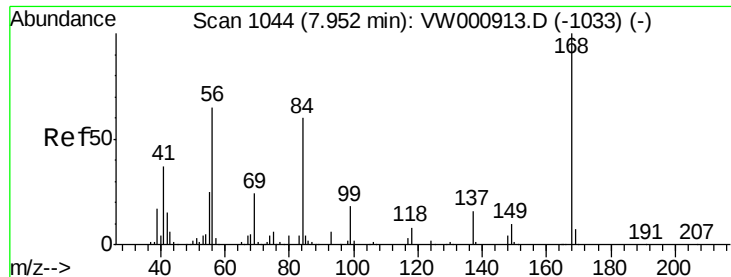
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW000955.D

Acq: 24 Jan 2018 18:39

Instrument :

MSVOA_W

ClientSampleId :

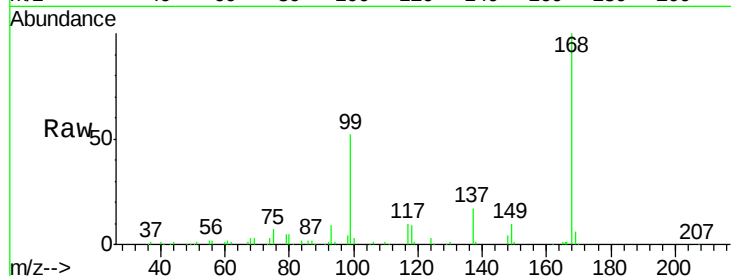
MH-198-ARE

Tgt Ion:168 Resp: 93162

Ion Ratio Lower Upper

168 100

99 52.5 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

20000

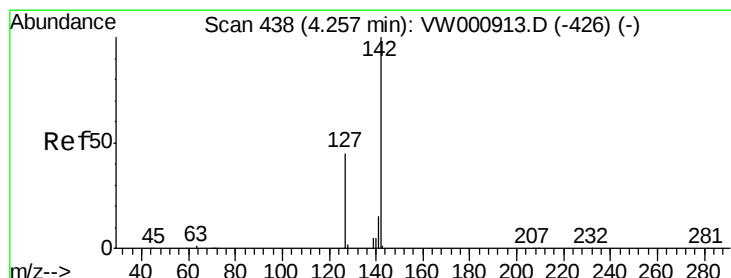
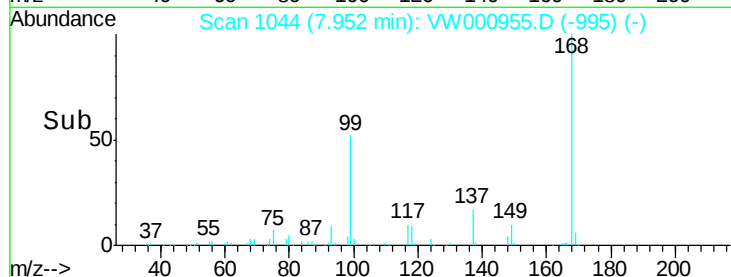
10000

0

7.90

8.00

Time-->



#10

Methyl Iodide

Concen: 5.81 ug/l

RT: 4.27 min Scan# 440

Delta R.T. 0.01 min

Lab File: VW000955.D

Acq: 24 Jan 2018 18:39

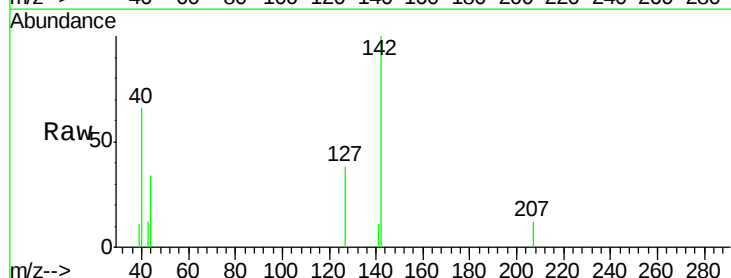
Tgt Ion:142 Resp: 983

Ion Ratio Lower Upper

142 100

127 77.1 35.5 53.3#

141 10.2 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.27

600

400

200

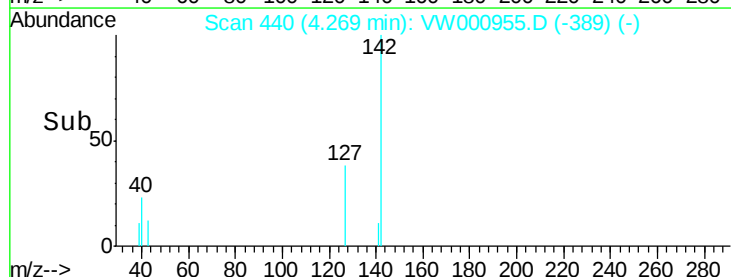
0

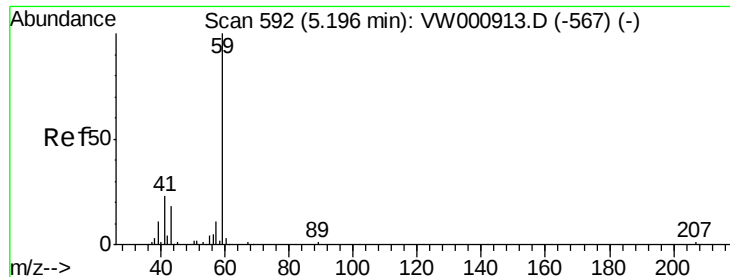
4.20

4.25

4.30

Time-->





#11

Tert butyl alcohol

Concen: 2.29 ug/l

RT: 5.15 min Scan# 585

Delta R.T. -0.04 min

Lab File: VW000955.D

Acq: 24 Jan 2018 18:39

Instrument :

MSVOA_W

ClientSampleId :

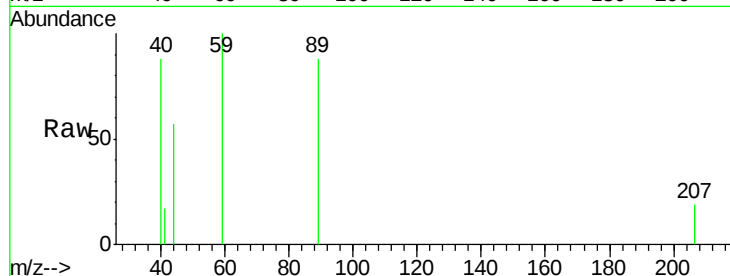
MH-198-ARE

Tgt Ion: 59 Resp: 222

Ion Ratio Lower Upper

59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

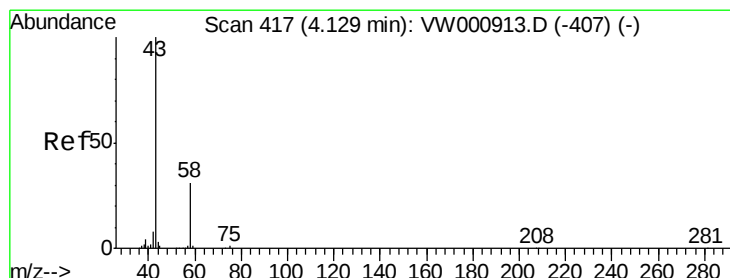
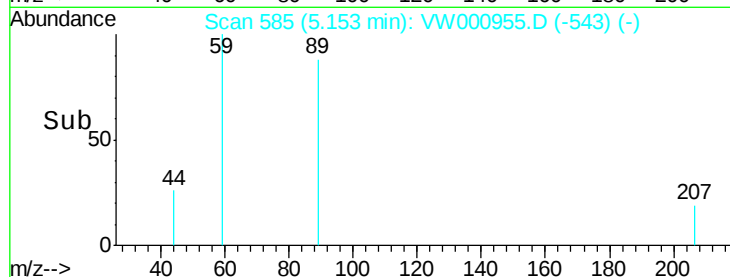
300

200

100

0

Time--> 5.12 5.14 5.16 5.18



#16

Acetone

Concen: 43.63 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW000955.D

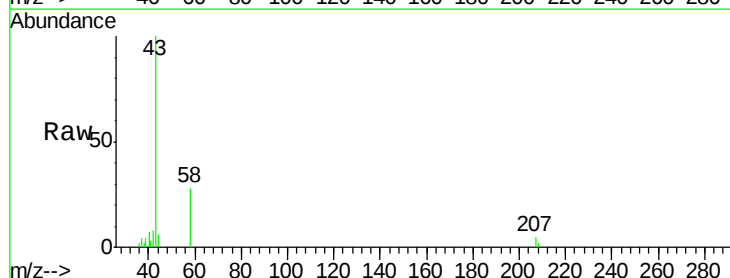
Acq: 24 Jan 2018 18:39

Tgt Ion: 43 Resp: 10801

Ion Ratio Lower Upper

43 100

58 28.3 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

5000

4000

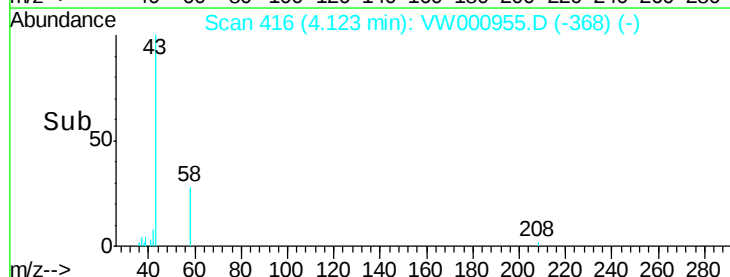
3000

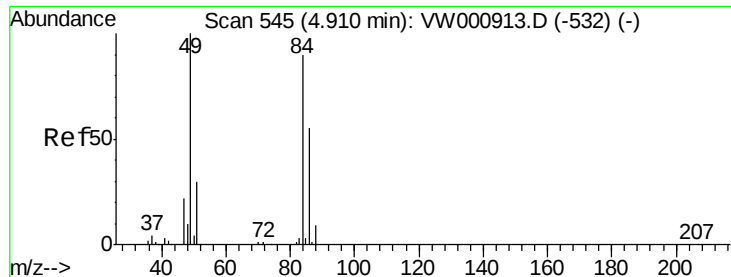
2000

1000

0

Time--> 4.00 4.10 4.20

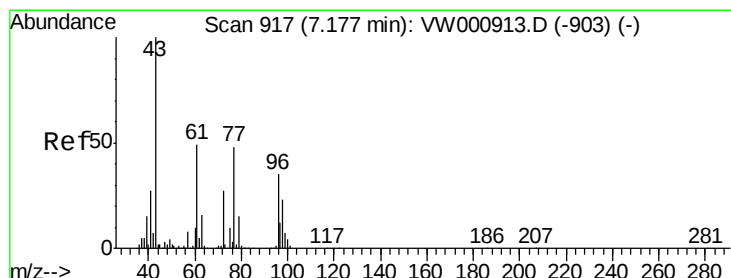
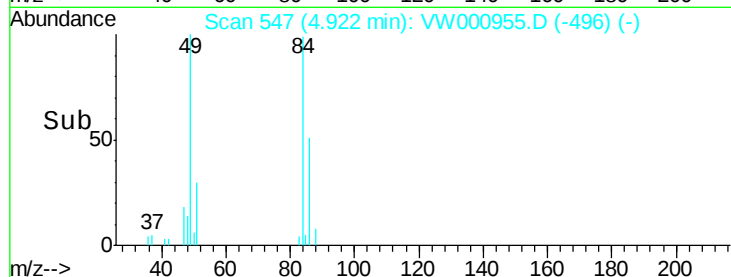
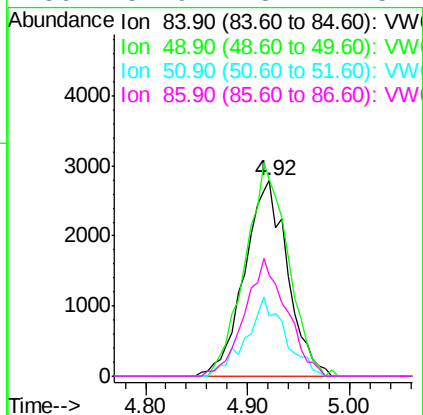
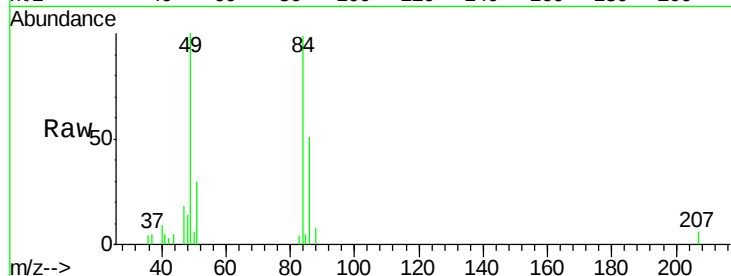




#20
Methylene Chloride
Concen: 7.60 ug/l
RT: 4.92 min Scan# 547
Delta R.T. 0.01 min
Lab File: VW000955.D
Acq: 24 Jan 2018 18:39

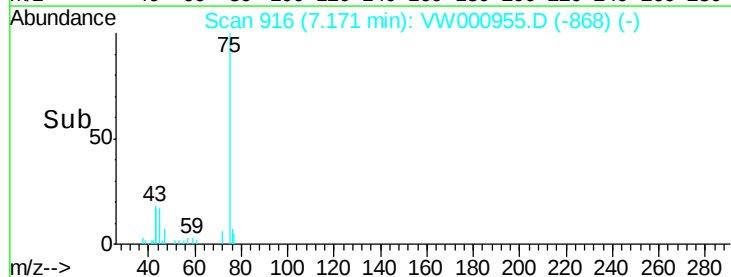
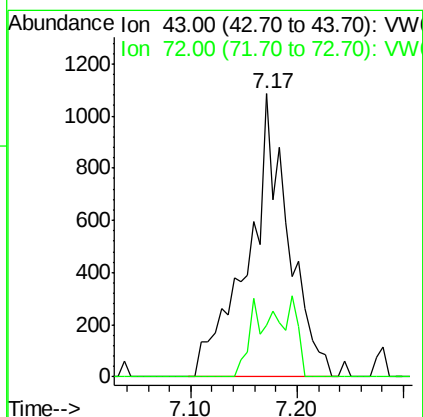
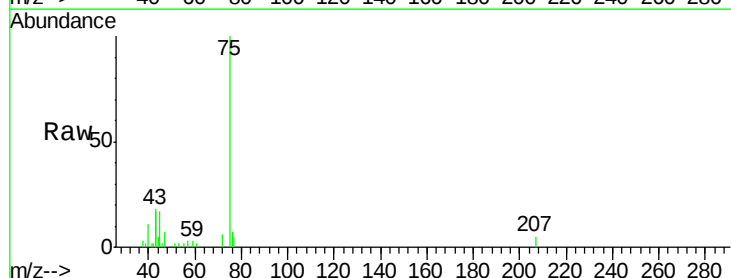
Instrument :
MSVOA_W
ClientSampleId :
MH-198-ARE

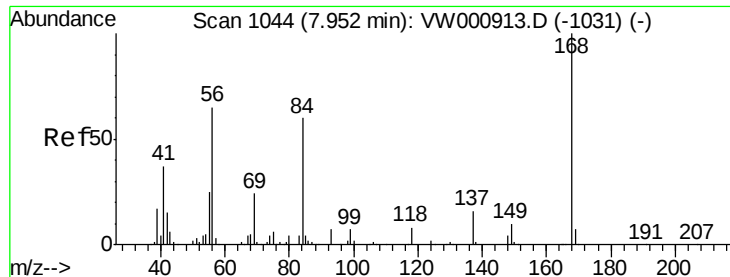
Tgt Ion:	84	Resp:	8157
Ion	Ratio	Lower	Upper
84	100		
49	101.1	89.0	133.4
51	30.8	26.7	40.1
86	51.9	48.7	73.1



#25
2-Butanone
Concen: 7.23 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW000955.D
Acq: 24 Jan 2018 18:39

Tgt Ion:	43	Resp:	2857
Ion	Ratio	Lower	Upper
43	100		
72	18.3	21.5	32.3#

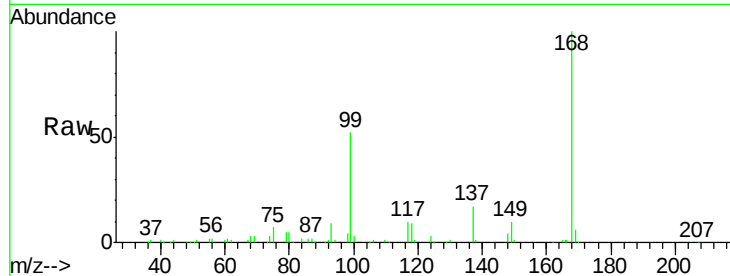




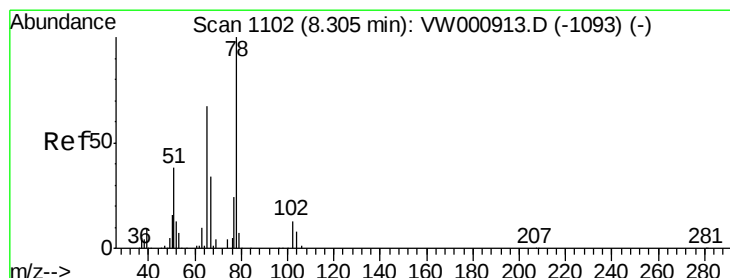
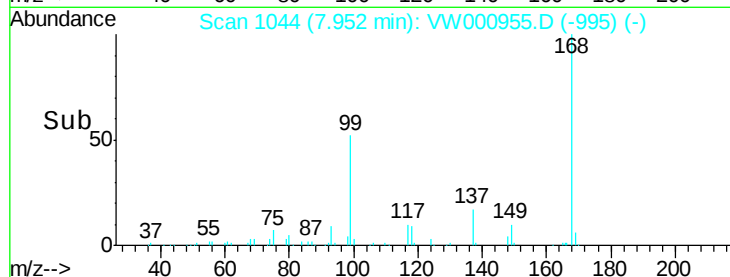
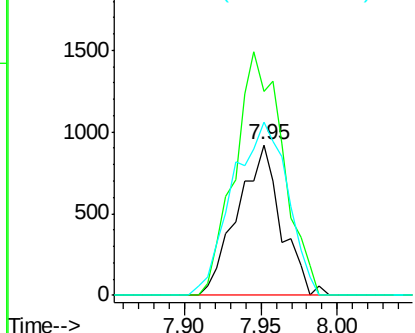
#31
Cyclohexane
Concen: 1.25 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW000955.D
Acq: 24 Jan 2018 18:39

Instrument :
MSVOA_W
ClientSampled :
MH-198-ARE

Tgt Ion: 56 Resp: 1824
Ion Ratio Lower Upper
56 100
69 135.2 29.2 43.8#
84 115.2 73.6 110.4#

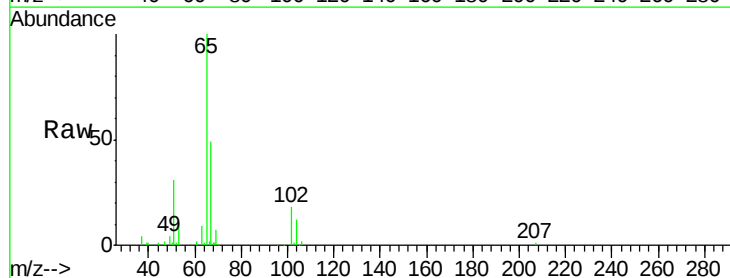


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

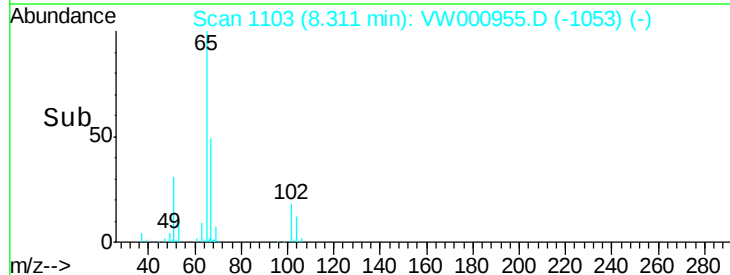
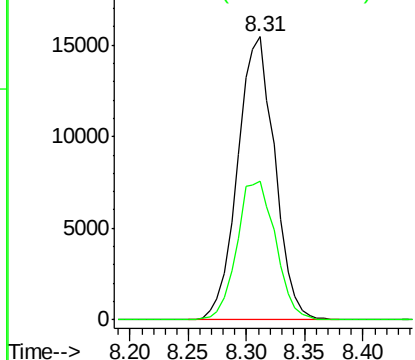


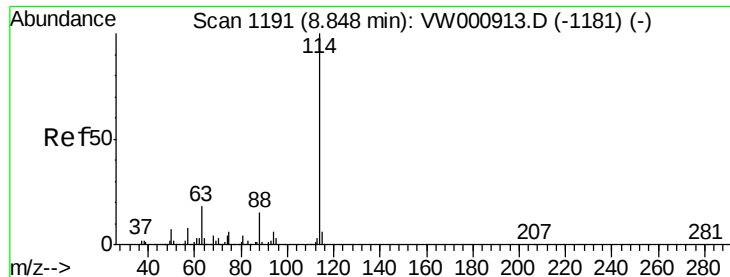
#33
1,2-Dichloroethane-d4
Concen: 38.50 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW000955.D
Acq: 24 Jan 2018 18:39

Tgt Ion: 65 Resp: 34382
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.8



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW000955.D

Acq: 24 Jan 2018 18:39

Instrument :

MSVOA_W

ClientSampleId :

MH-198-ARE

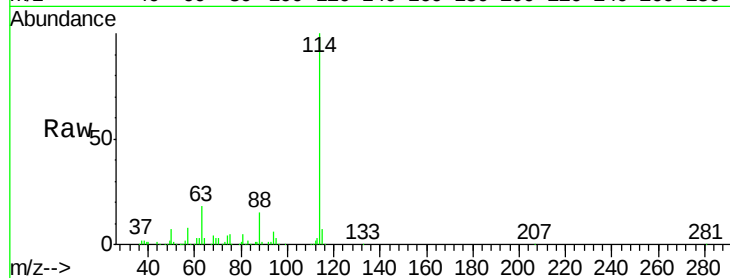
Tgt Ion:114 Resp: 133512

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.8

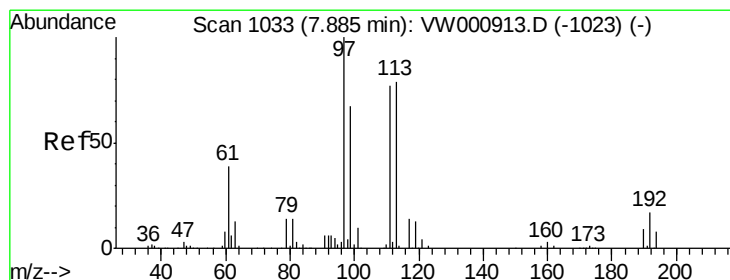
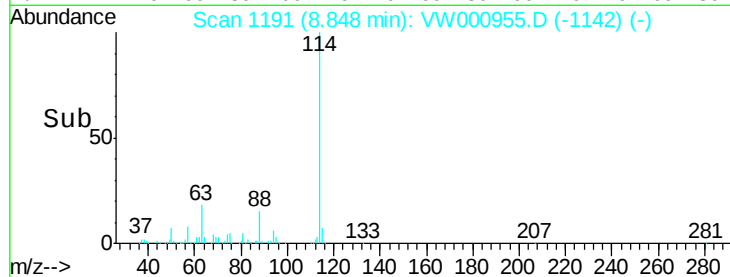
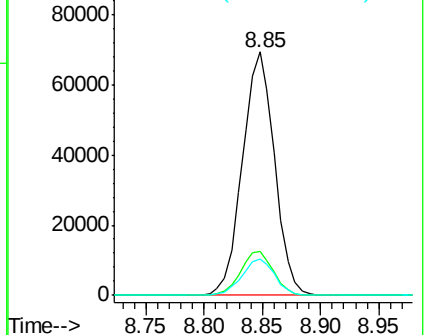
88 14.6 0.0 29.8



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: 18.77 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW000955.D

Acq: 24 Jan 2018 18:39

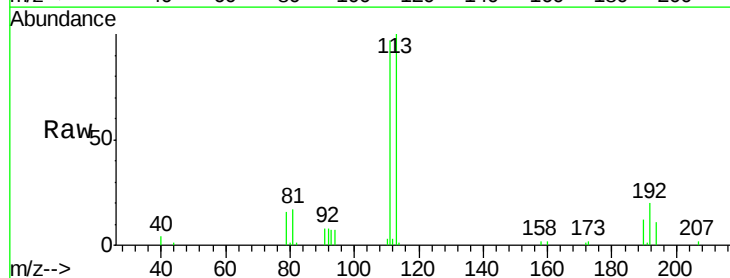
Tgt Ion:113 Resp: 15355

Ion Ratio Lower Upper

113 100

111 100.4 80.4 120.6

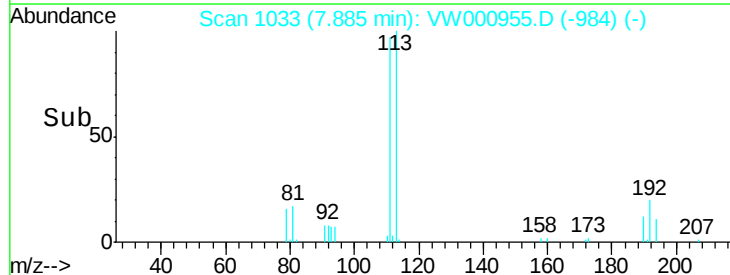
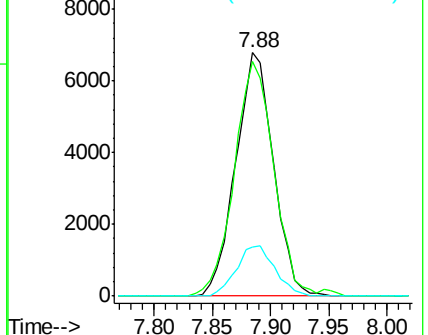
192 20.9 17.0 25.4

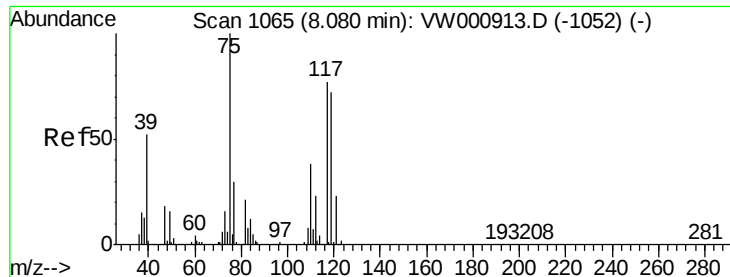


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.90 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW000955.D

Acq: 24 Jan 2018 18:39

Instrument :

MSVOA_W

ClientSampled :

MH-198-ARE

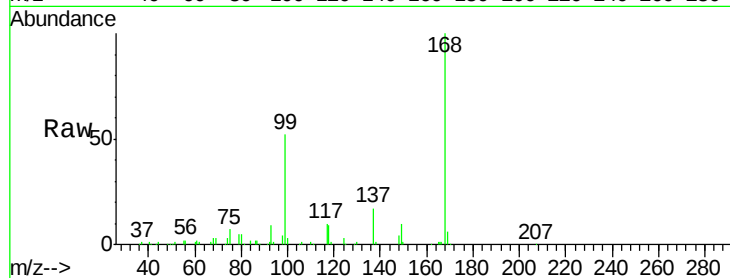
Tgt Ion: 75 Resp: 6237

Ion Ratio Lower Upper

75 100

110 12.5 18.6 56.0#

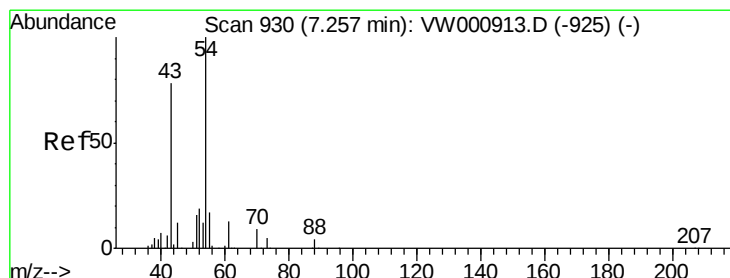
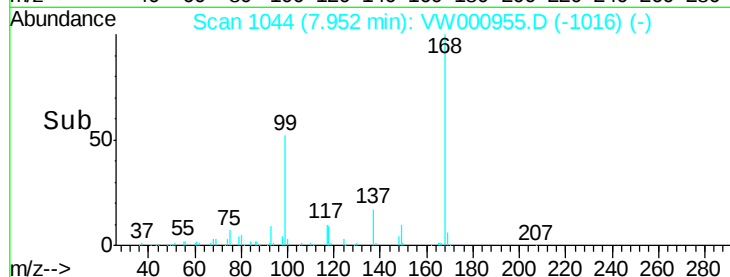
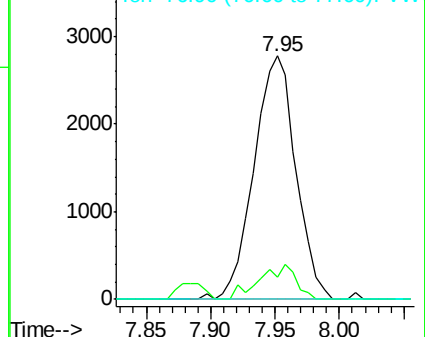
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 3.97 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.09 min

Lab File: VW000955.D

Acq: 24 Jan 2018 18:39

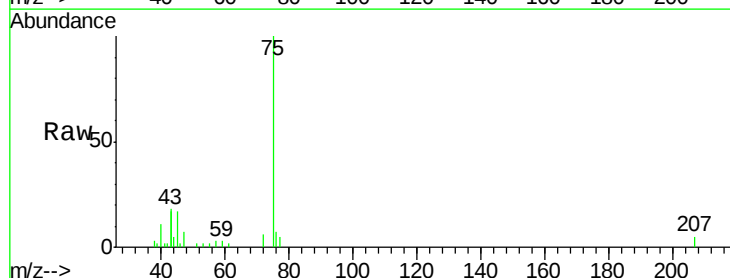
Tgt Ion: 43 Resp: 2857

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

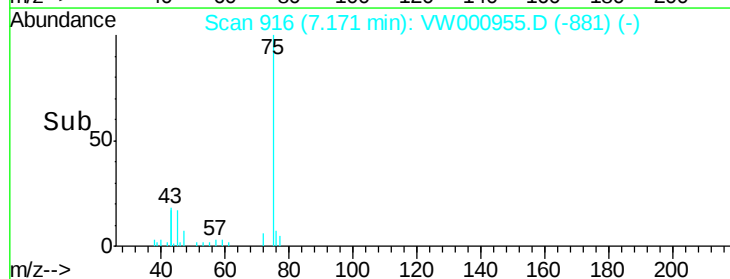
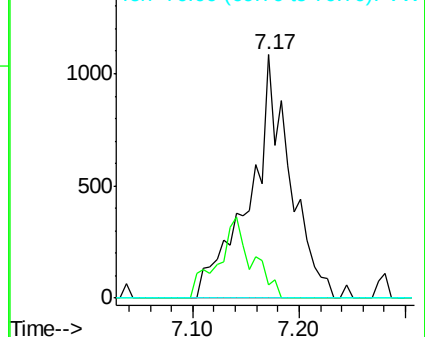
70 0.0 9.1 13.7#

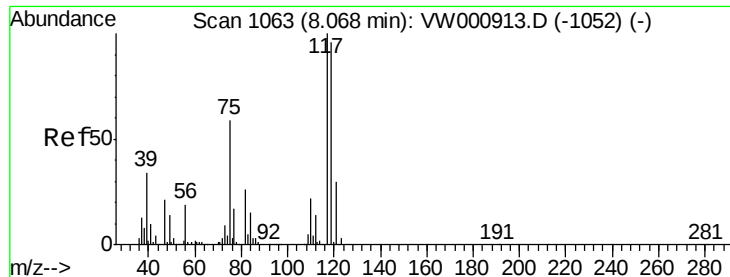


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 6.77 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW000955.D

Acq: 24 Jan 2018 18:39

Instrument :

MSVOA_W

ClientSampled :

MH-198-ARE

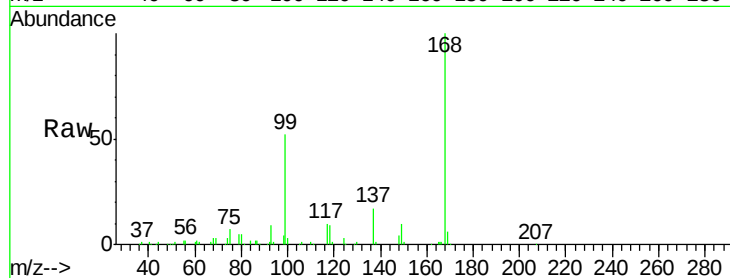
Tgt Ion:117 Resp: 9509

Ion Ratio Lower Upper

117 100

119 6.4 76.5 114.7#

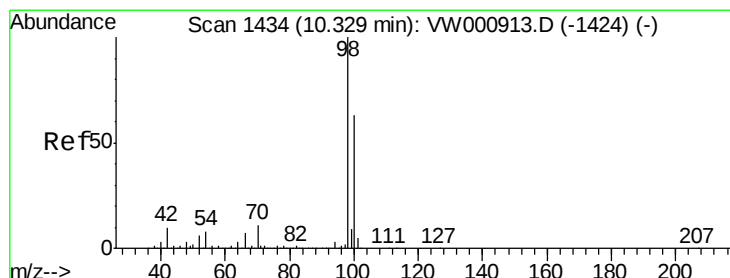
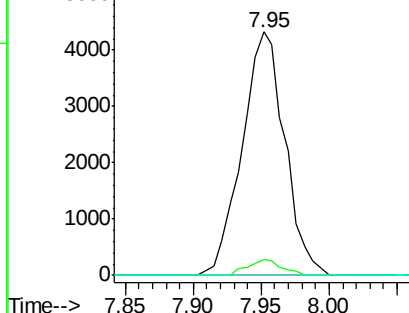
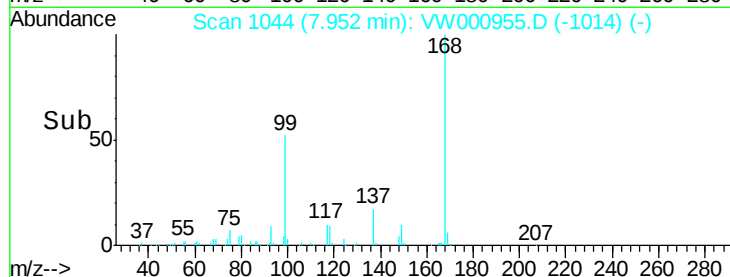
121 0.0 24.3 36.5#



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



#50

Toluene-d8

Concen: 34.70 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW000955.D

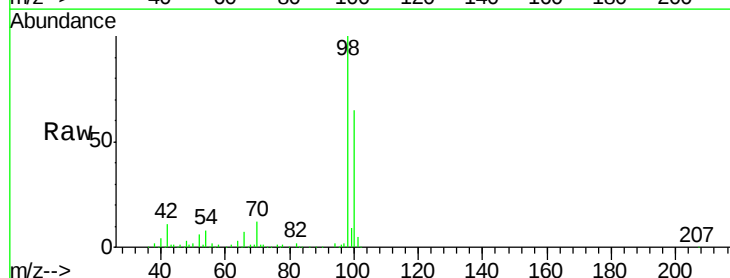
Acq: 24 Jan 2018 18:39

Tgt Ion: 98 Resp: 111890

Ion Ratio Lower Upper

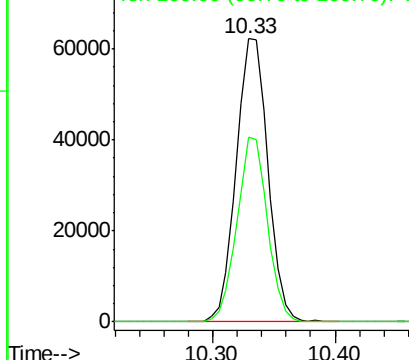
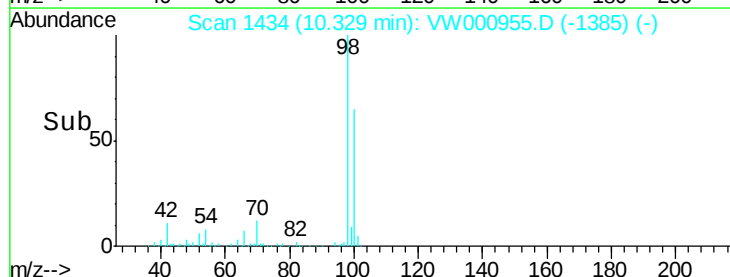
98 100

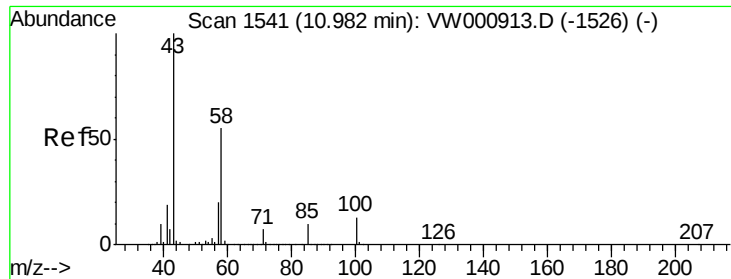
100 62.6 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#59

2-Hexanone

Concen: 14.76 ug/l

RT: 11.06 min Scan# 1554

Delta R.T. 0.08 min

Lab File: VW000955.D

Acq: 24 Jan 2018 18:39

Instrument :

MSVOA_W

ClientSampleId :

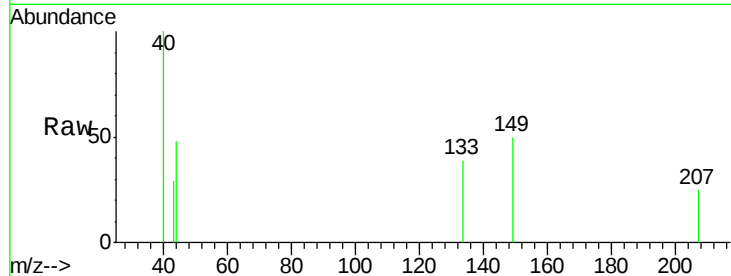
MH-198-ARE

Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

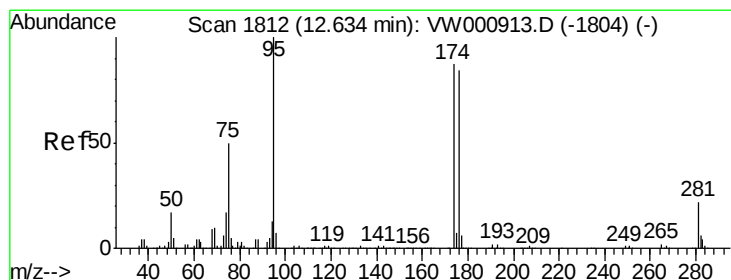
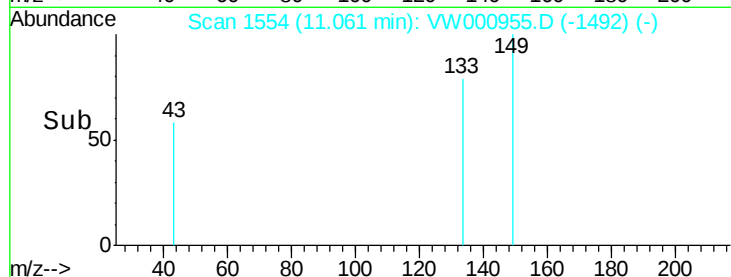
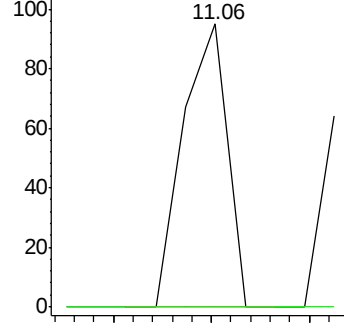
43 100

58 0.0 27.4 82.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 28.19 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW000955.D

Acq: 24 Jan 2018 18:39

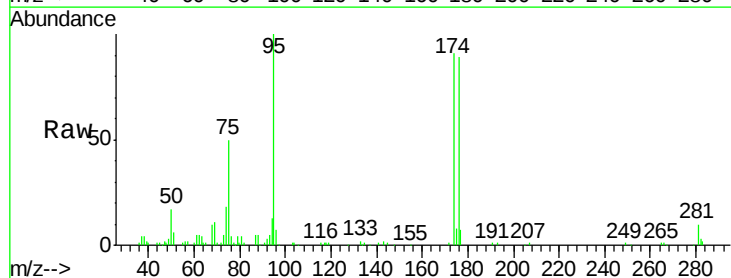
Tgt Ion: 95 Resp: 33108

Ion Ratio Lower Upper

95 100

174 89.7 0.0 176.8

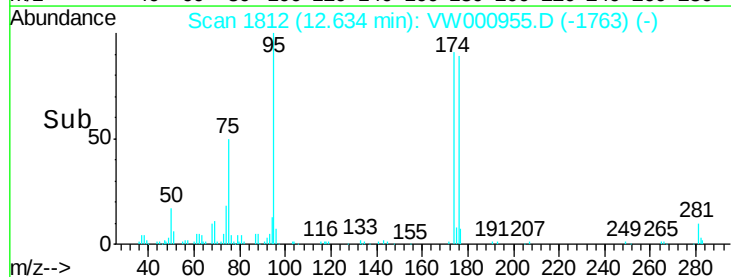
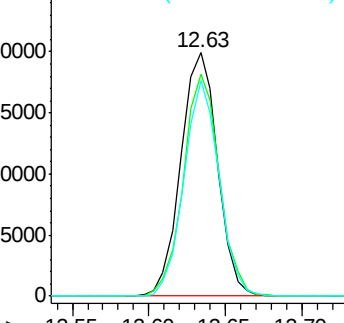
176 85.0 0.0 171.8

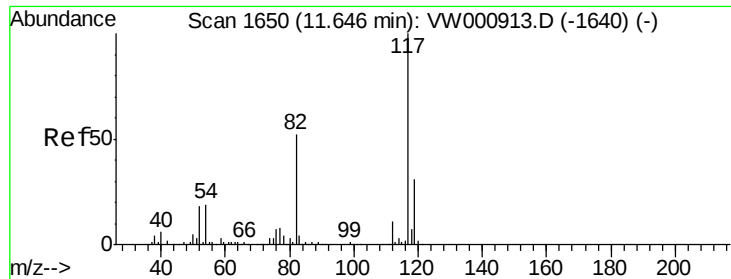


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

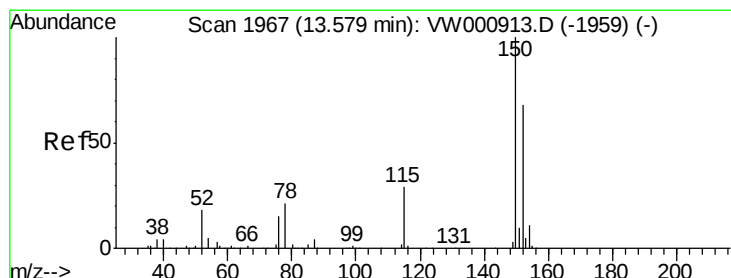
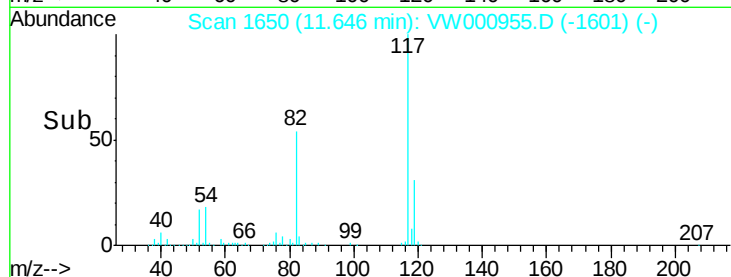
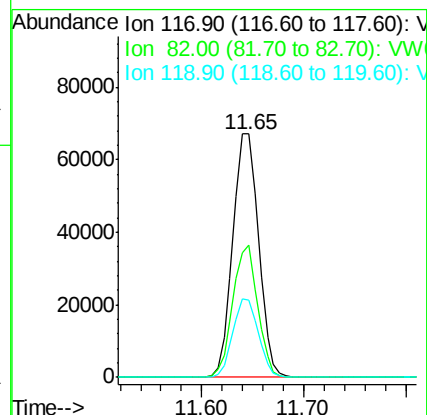
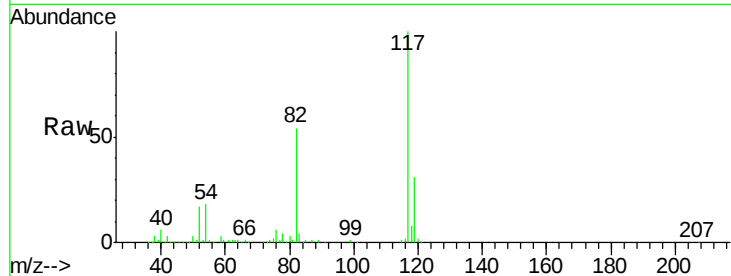




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VW000955.D
Acq: 24 Jan 2018 18:39

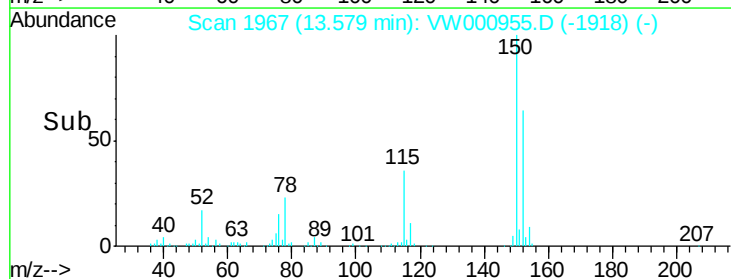
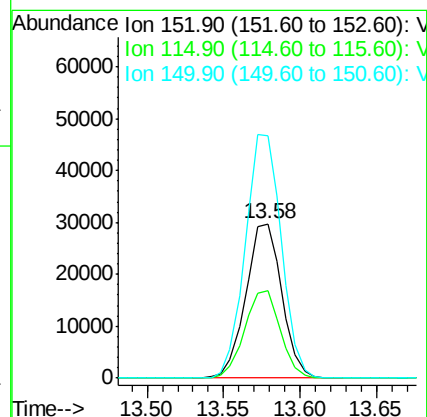
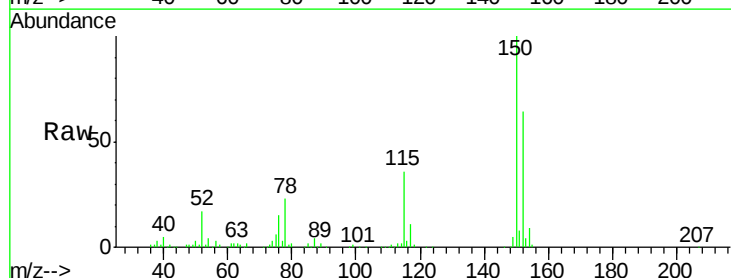
Instrument :
MSVOA_W
ClientSampleId :
MH-198-ARE

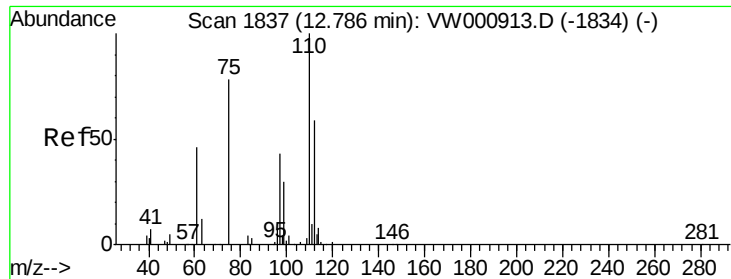
Tgt Ion:117 Resp: 117475
Ion Ratio Lower Upper
117 100
82 54.1 41.8 62.6
119 31.5 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VW000955.D
Acq: 24 Jan 2018 18:39

Tgt Ion:152 Resp: 48335
Ion Ratio Lower Upper
152 100
115 56.7 28.5 85.5
150 158.9 0.0 342.0





#76

1,2,3-Trichloropropane

Concen: 29.78 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.15 min

Lab File: VW000955.D

Acq: 24 Jan 2018 18:39

Instrument :

MSVOA_W

ClientSampleId :

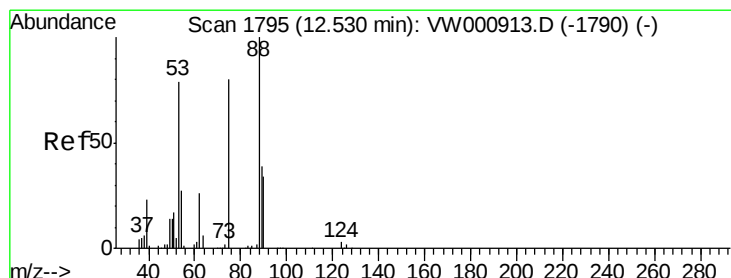
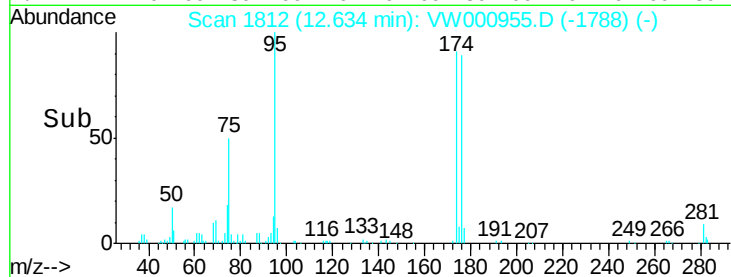
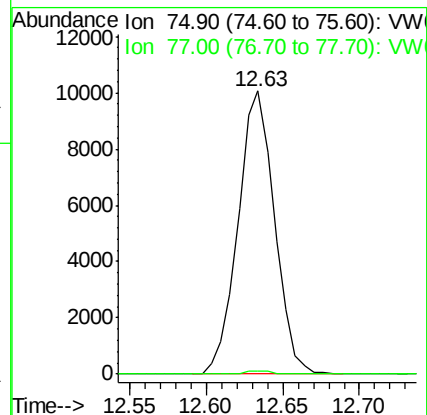
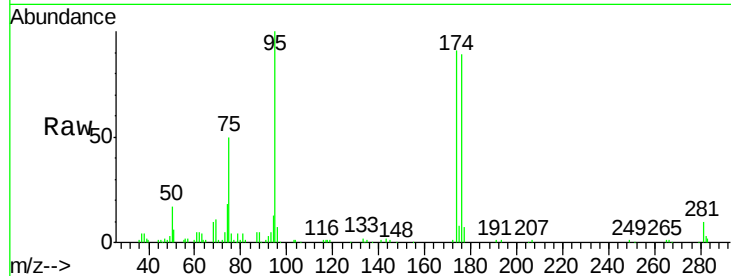
MH-198-ARE

Tgt Ion: 75 Resp: 16655

Ion Ratio Lower Upper

75 100

77 0.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.46 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.10 min

Lab File: VW000955.D

Acq: 24 Jan 2018 18:39

Tgt Ion: 75 Resp: 16655

Ion Ratio Lower Upper

75 100

53 0.3 77.5 116.3#

89 0.1 38.2 57.4#

