

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072618\
 Data File : VW004205.D
 Acq On : 25 Jul 2018 21:11
 Operator : SY/AP
 Sample : J3821-07
 Misc : 6.33G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-072418-A

Quant Time: Jul 26 05:12:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	231134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	404815	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	317366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	134589	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	148218	57.37	ug/l	0.00
Spiked Amount			Recovery	=	114.74%	
35) Dibromofluoromethane	7.88	113	128121	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
50) Toluene-d8	10.33	98	384399	38.14	ug/l	0.00
Spiked Amount			Recovery	=	76.28%	
62) 4-Bromofluorobenzene	12.62	95	124922	34.37	ug/l	0.00
Spiked Amount			Recovery	=	68.74%	

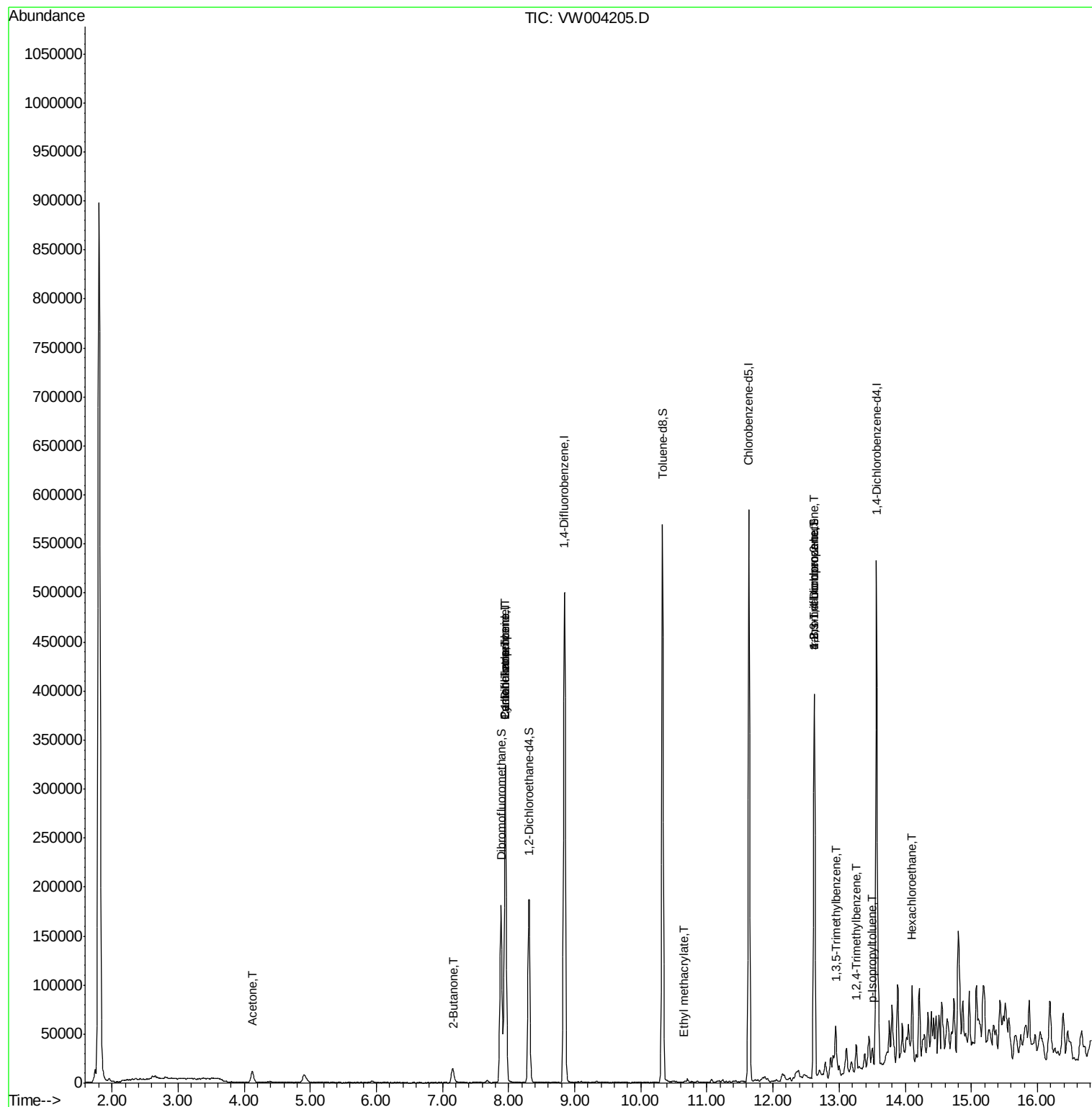
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	20951	33.746	ug/l	98
20) Methylene Chloride	4.91	84	7242	Below Cal		95
25) 2-Butanone	7.18	43	1141	1.366	ug/l #	90
31) Cyclohexane	7.95	56	5741	1.339	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19356	4.647	ug/l #	49
38) Carbon Tetrachloride	7.95	117	23456	6.027	ug/l #	18
56) Ethyl methacrylate	10.65	69	174	2.999	ug/l #	77
76) 1,2,3-Trichloropropane	12.62	75	63785	47.738	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	13482	1.685	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.62	75	63785	105.594	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.26	105	14966	1.818	ug/l	96
86) p-Isopropyltoluene	13.51	119	10495	1.200	ug/l	99
90) Hexachloroethane	14.10	117	3993	2.477	ug/l #	9

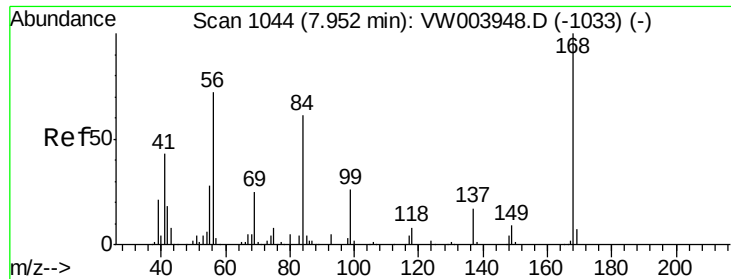
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004205.D

Acq: 25 Jul 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

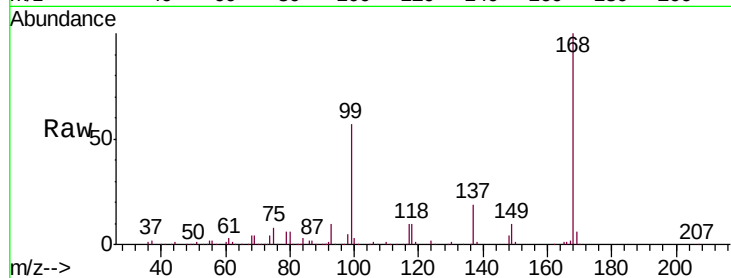
HR-06-072418-A

Tgt Ion:168 Resp: 231134

Ion Ratio Lower Upper

168 100

99 57.3 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

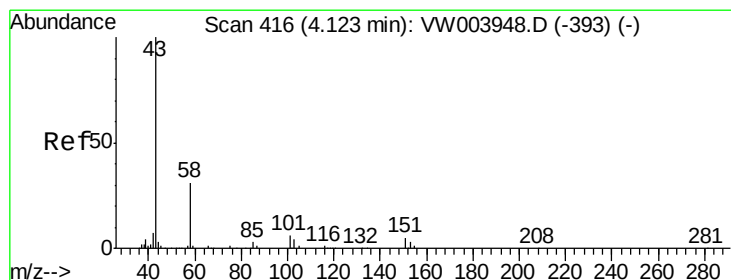
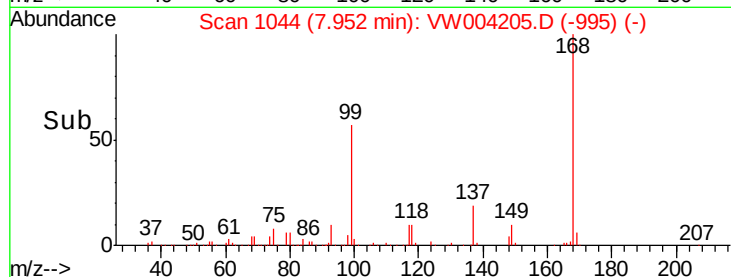
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 33.746 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004205.D

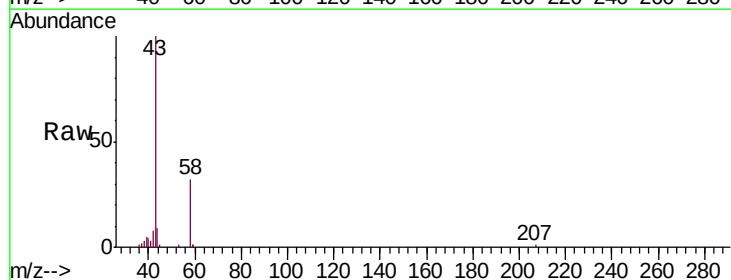
Acq: 25 Jul 2018 21:11

Tgt Ion: 43 Resp: 20951

Ion Ratio Lower Upper

43 100

58 31.5 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

8000

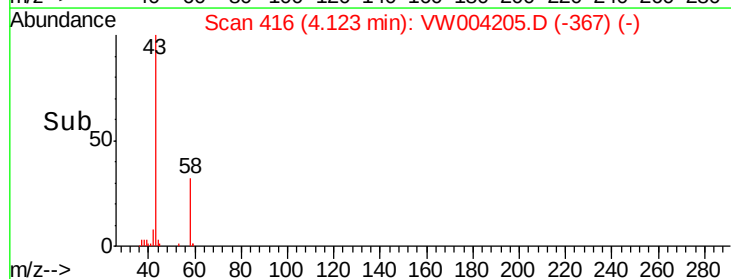
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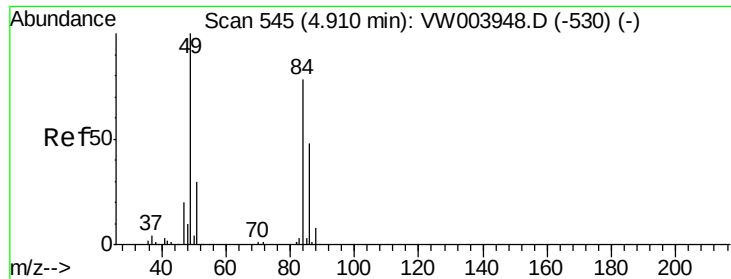
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2000

0

Time-->

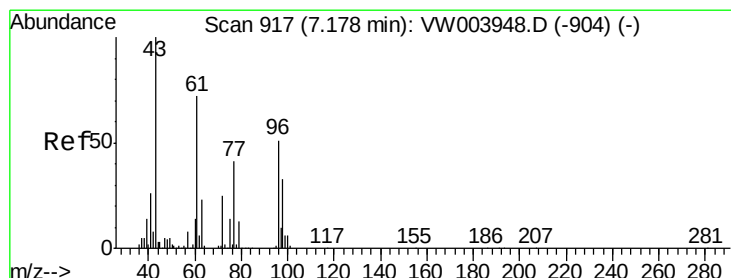
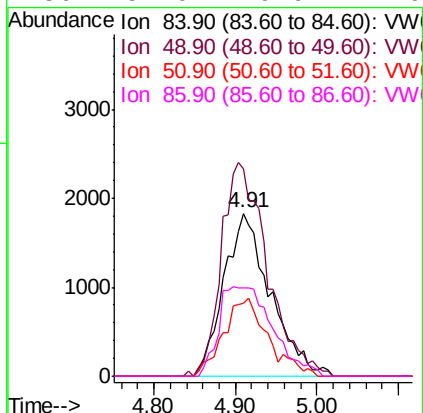
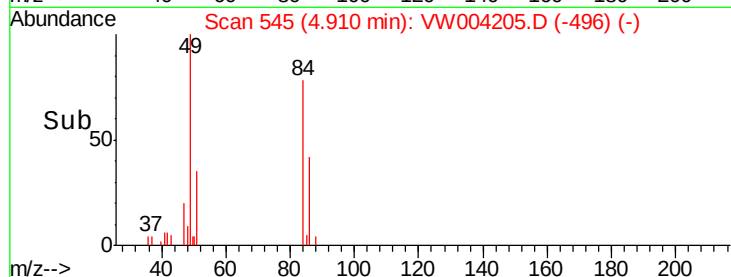
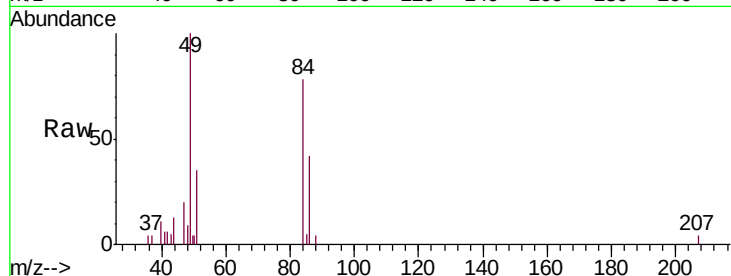




#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004205.D
Acq: 25 Jul 2018 21:11

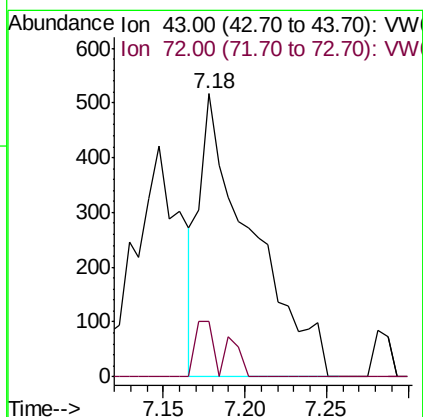
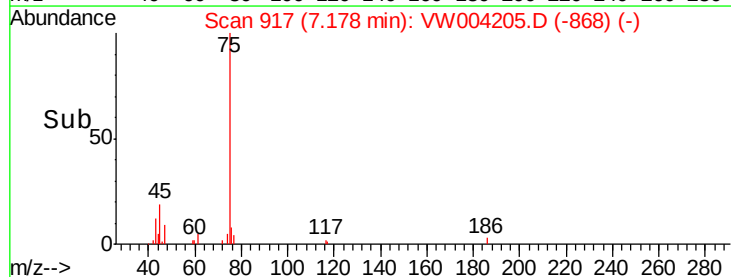
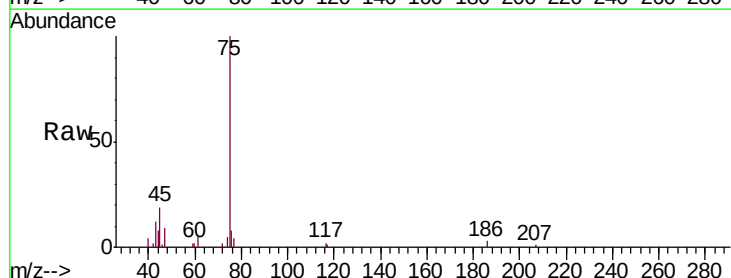
Instrument :
MSVOA_W
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HR-06-072418-A

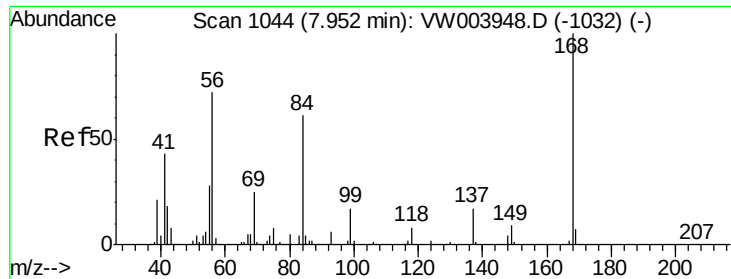
Tgt Ion: 84 Resp: 7242
Ion Ratio Lower Upper
84 100
49 127.8 102.9 154.3
51 45.1 30.9 46.3
86 54.0 49.9 74.9



#25
2-Butanone
Concen: 1.366 ug/l
RT: 7.18 min Scan# 917
Delta R.T. 0.00 min
Lab File: VW004205.D
Acq: 25 Jul 2018 21:11

Tgt Ion: 43 Resp: 1141
Ion Ratio Lower Upper
43 100
72 19.7 19.8 29.6#

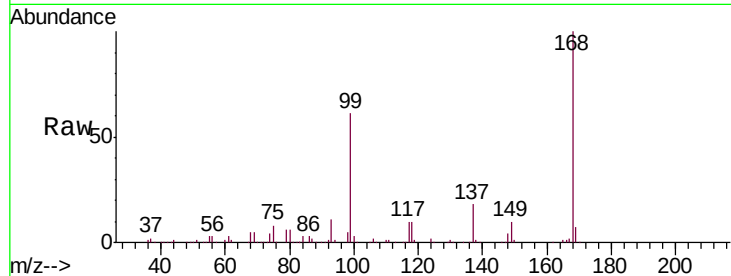




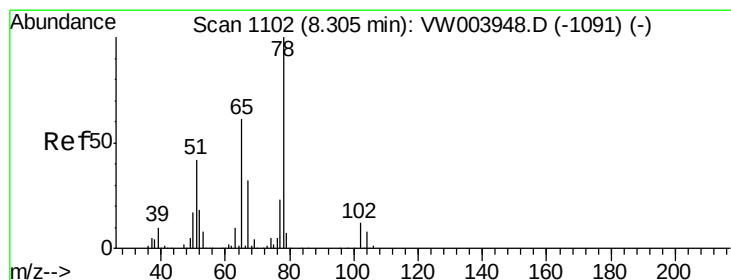
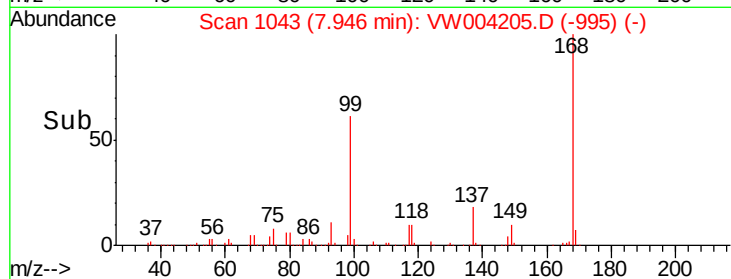
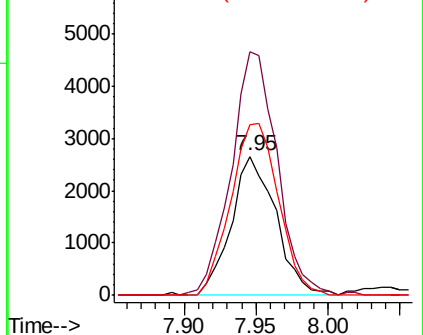
#31
Cyclohexane
Concen: 1.339 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004205.D
Acq: 25 Jul 2018 21:11

Instrument :
MSVOA_W
ClientSampleId :
HR-06-072418-A

Tgt Ion: 56 Resp: 5741
Ion Ratio Lower Upper
56 100
69 175.4 27.8 41.8#
84 123.0 67.2 100.8#

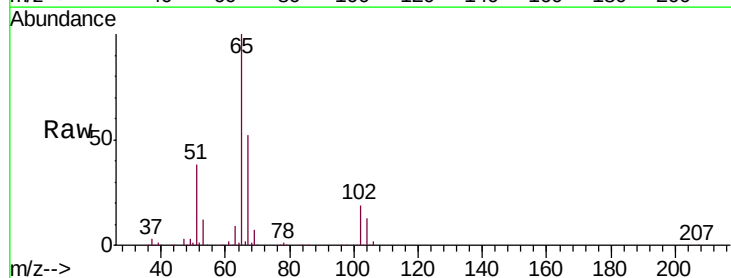


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

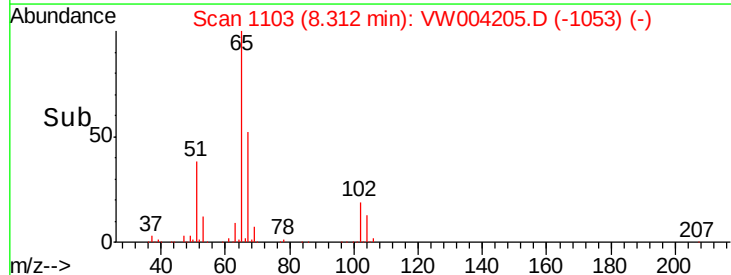
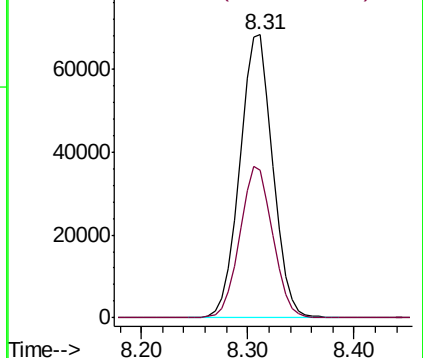


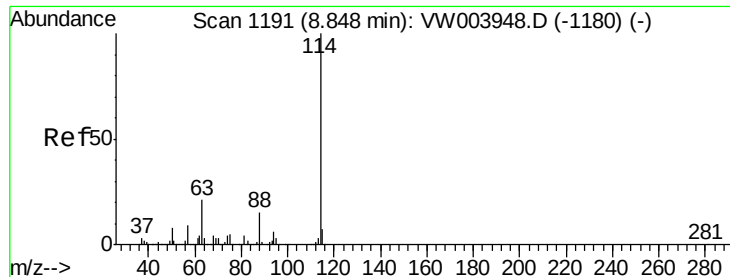
#33
1,2-Dichloroethane-d4
Concen: 57.369 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW004205.D
Acq: 25 Jul 2018 21:11

Tgt Ion: 65 Resp: 148218
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.0



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

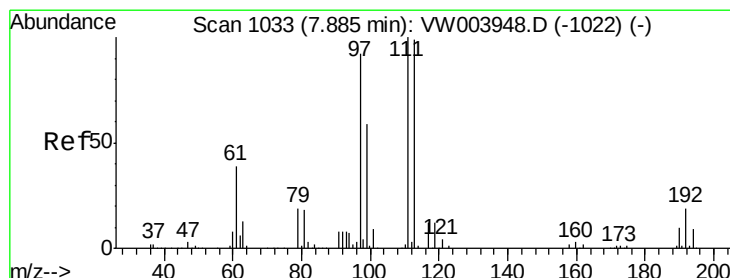
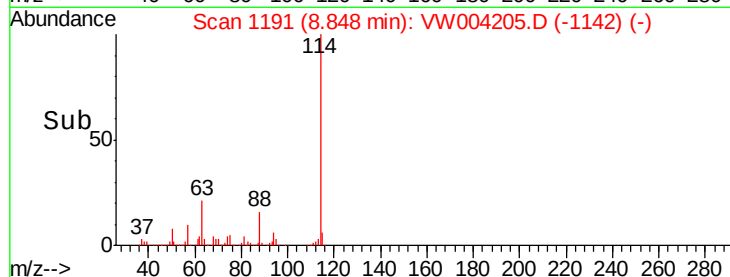
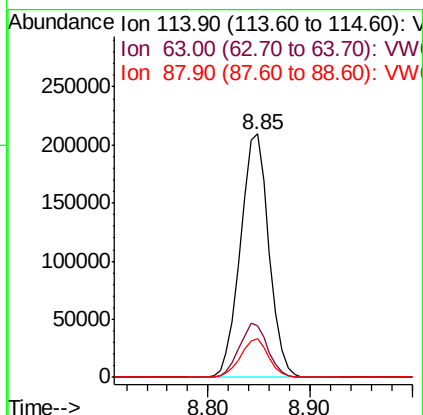
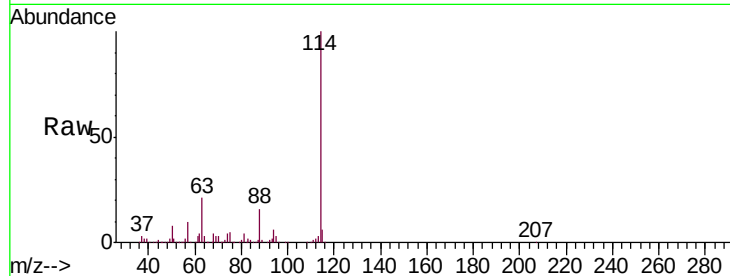




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004205.D
 Acq: 25 Jul 2018 21:11

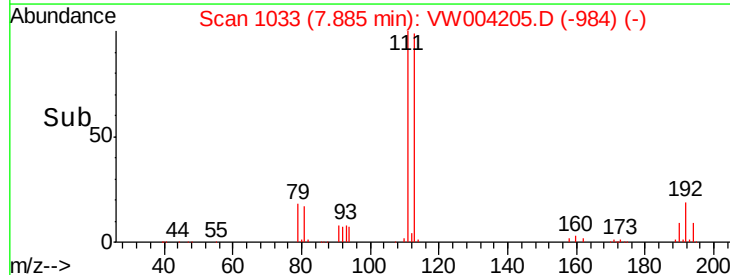
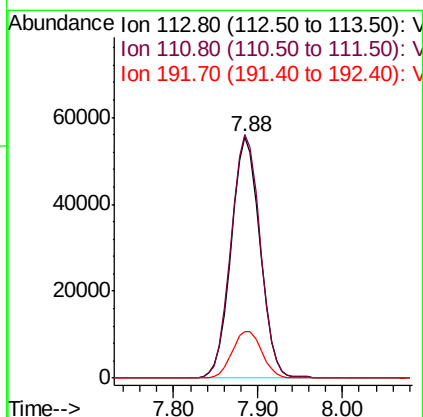
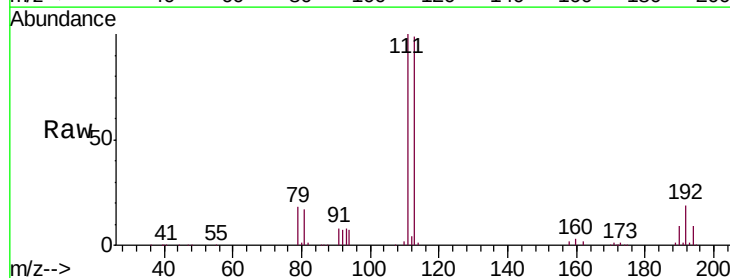
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-072418-A

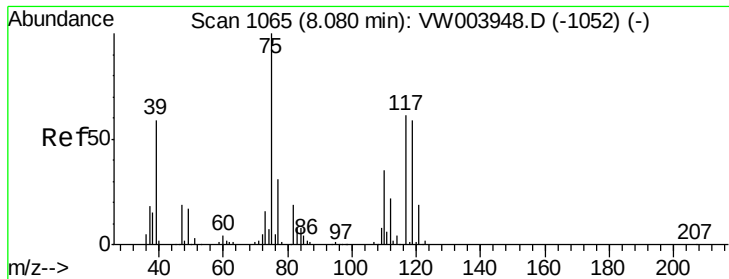
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.8
88	15.9	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 49.327 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004205.D
 Acq: 25 Jul 2018 21:11

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.3	121.9
192	19.9	15.8	23.6





#36

1,1-Dichloropropene

Concen: 4.647 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004205.D

Acq: 25 Jul 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

HR-06-072418-A

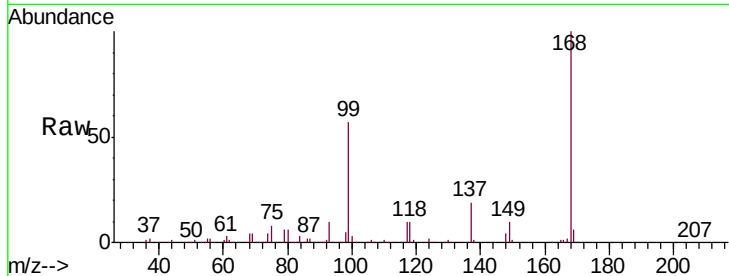
Tgt Ion: 75 Resp: 19356

Ion Ratio Lower Upper

75 100

110 8.1 17.0 51.0#

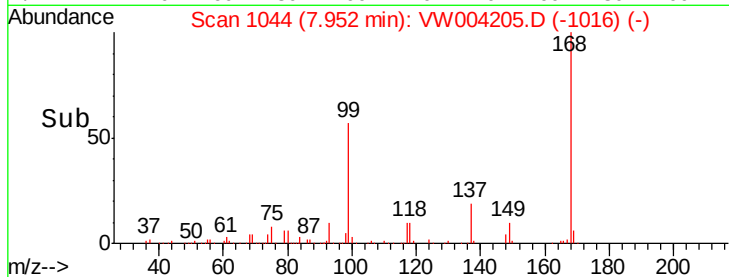
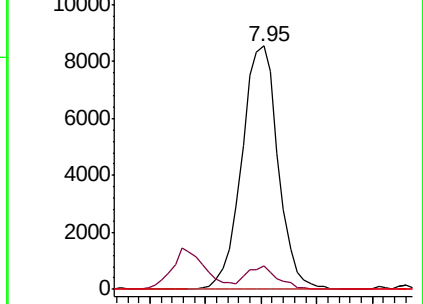
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.027 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004205.D

Acq: 25 Jul 2018 21:11

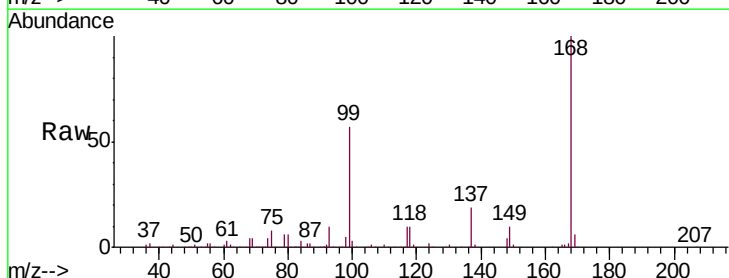
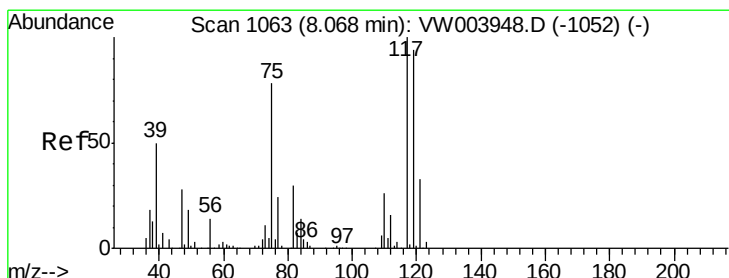
Tgt Ion: 117 Resp: 23456

Ion Ratio Lower Upper

117 100

119 7.4 75.3 112.9#

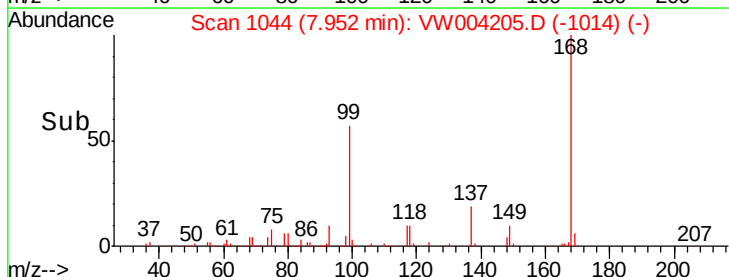
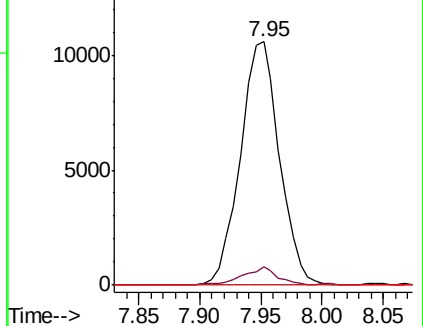
121 0.0 26.0 39.0#

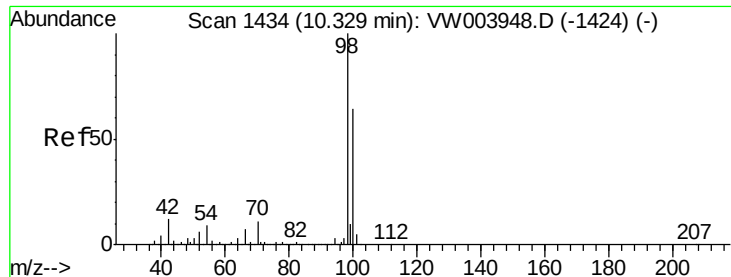


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 38.141 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004205.D

Acq: 25 Jul 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

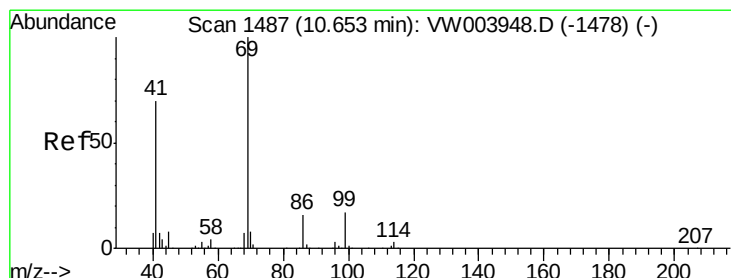
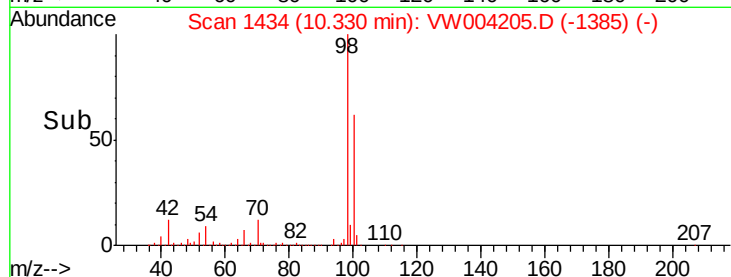
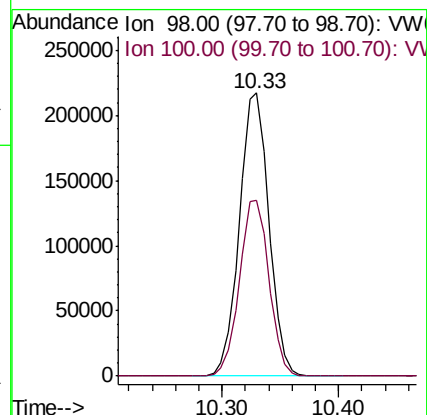
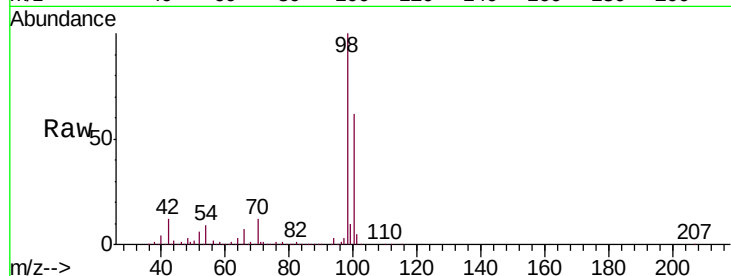
HR-06-072418-A

Tgt Ion: 98 Resp: 384399

Ion Ratio Lower Upper

98 100

100 62.4 51.2 76.8



#56

Ethyl methacrylate

Concen: 2.999 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW004205.D

Acq: 25 Jul 2018 21:11

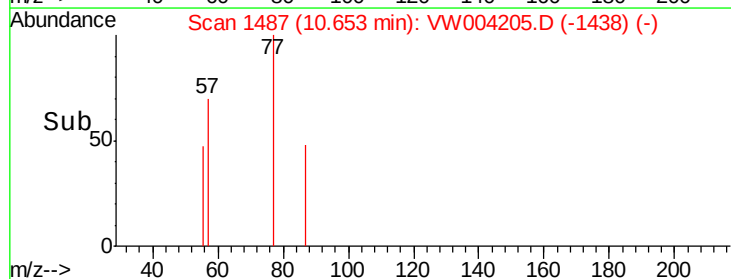
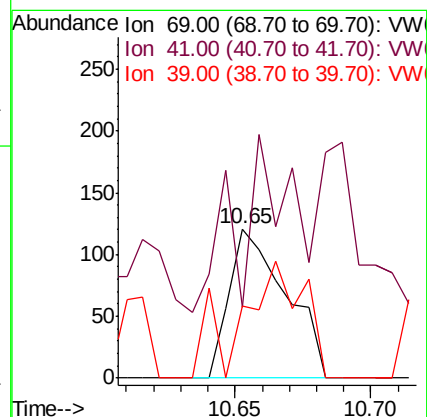
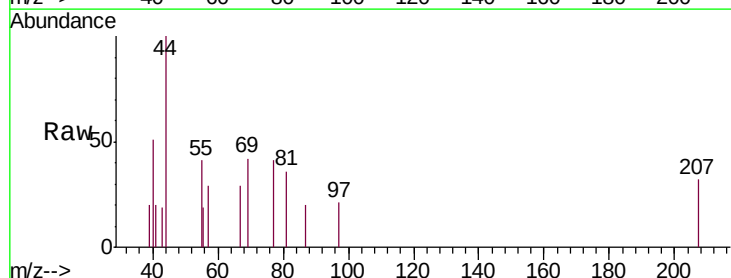
Tgt Ion: 69 Resp: 174

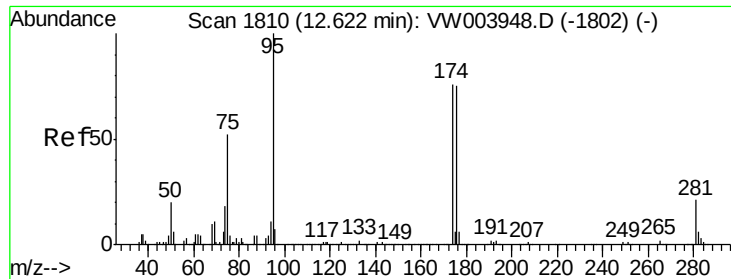
Ion Ratio Lower Upper

69 100

41 74.7 56.5 84.7

39 72.4 30.2 45.4#





#62

4-Bromofluorobenzene

Concen: 34.373 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004205.D

Acq: 25 Jul 2018 21:11

Instrument :

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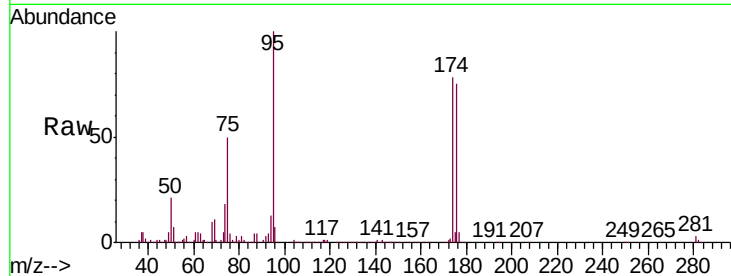
Tgt Ion: 95 Resp: 124922

Ion Ratio Lower Upper

95 100

174 80.5 0.0 160.2

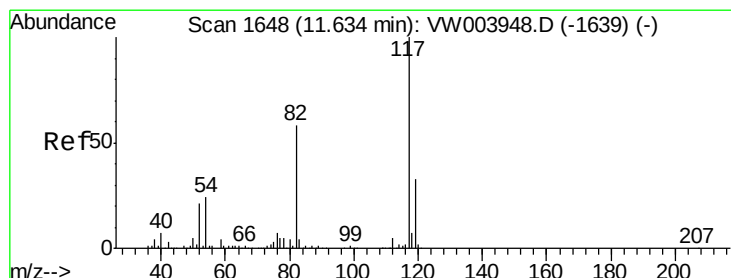
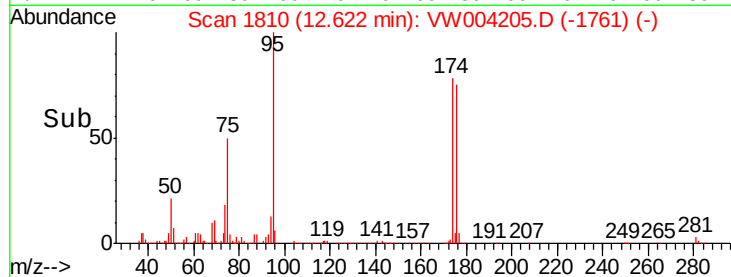
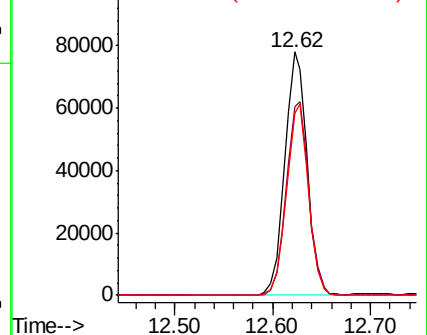
176 77.1 0.0 155.8



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: 11.63 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VW004205.D

Acq: 25 Jul 2018 21:11

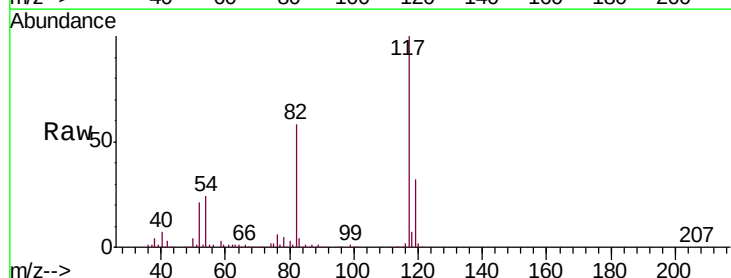
Tgt Ion: 117 Resp: 317366

Ion Ratio Lower Upper

117 100

82 58.0 46.5 69.7

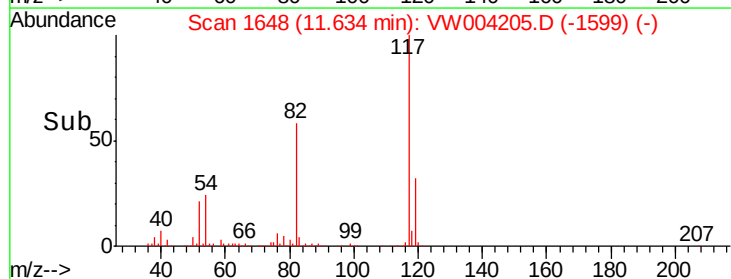
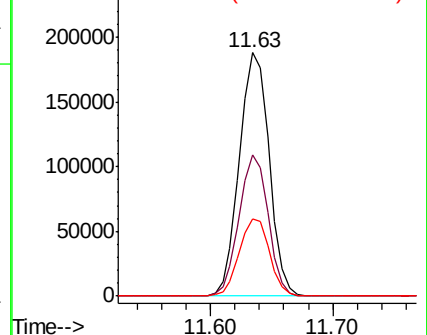
119 32.0 26.2 39.2

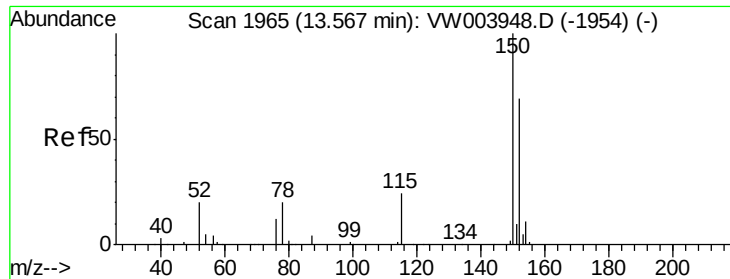


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

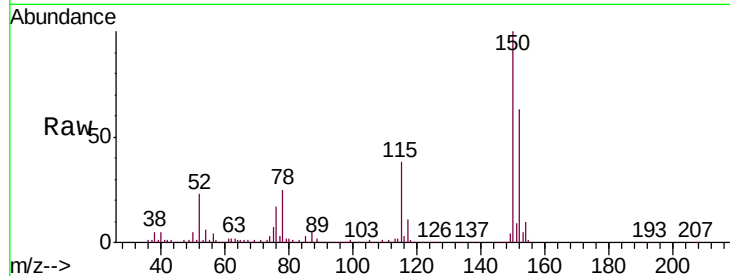




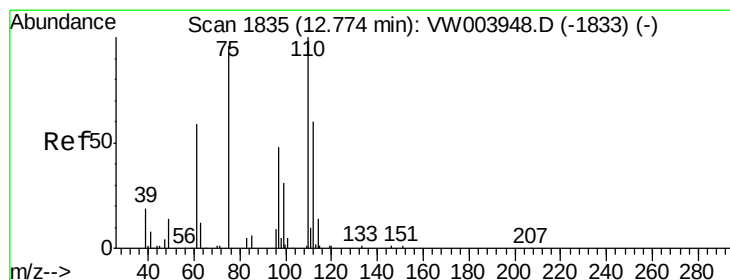
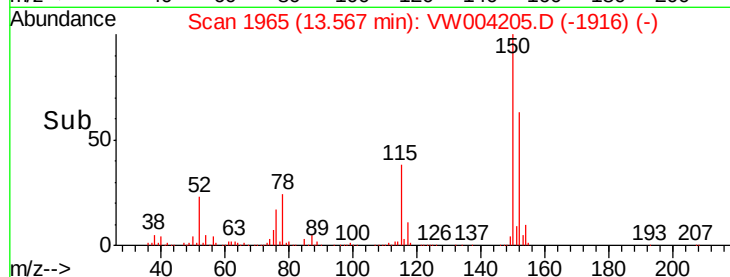
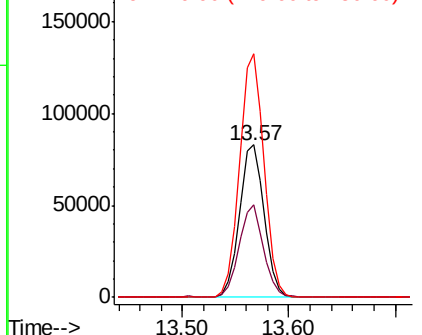
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VW004205.D
 Acq: 25 Jul 2018 21:11

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-072418-A

Tgt Ion:152 Resp: 134589
 Ion Ratio Lower Upper
 152 100
 115 60.0 29.2 87.6
 150 158.0 0.0 345.2

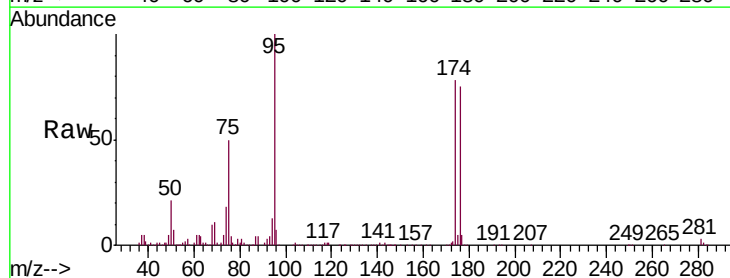


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

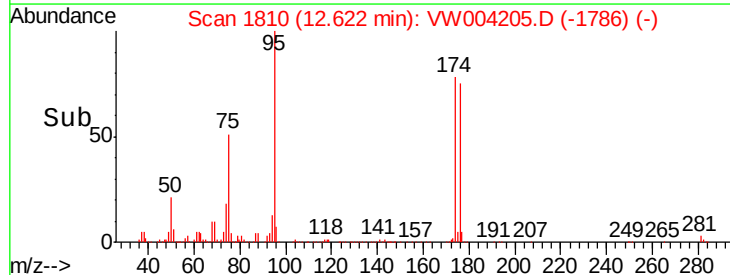
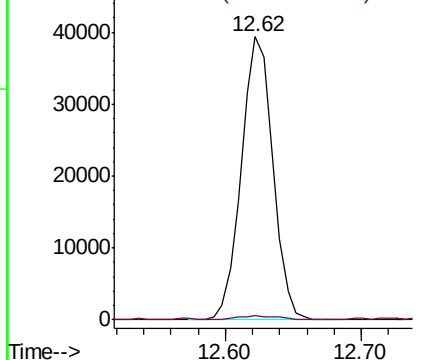


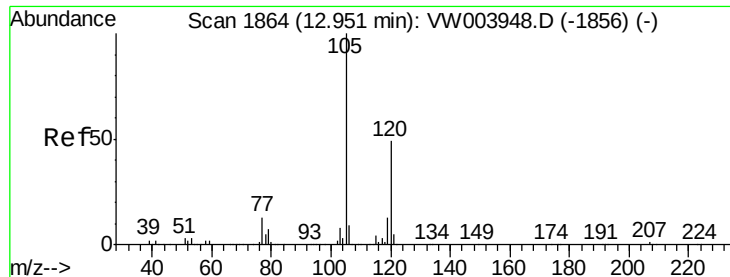
#76
 1,2,3-Trichloropropane
 Concen: 47.738 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW004205.D
 Acq: 25 Jul 2018 21:11

Tgt Ion: 75 Resp: 63785
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#



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





#80

1,3,5-Trimethylbenzene

Concen: 1.685 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004205.D

Acq: 25 Jul 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

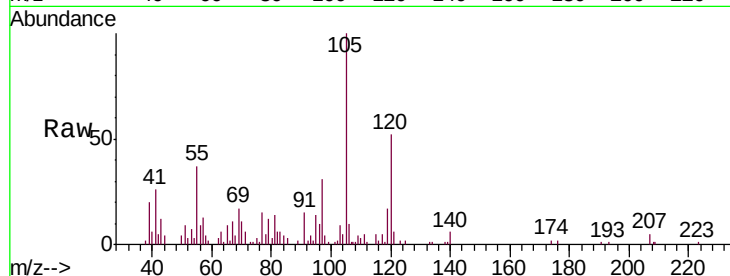
HR-06-072418-A

Tgt Ion:105 Resp: 13482

Ion Ratio Lower Upper

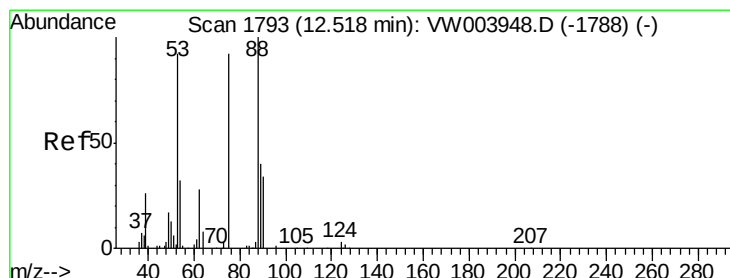
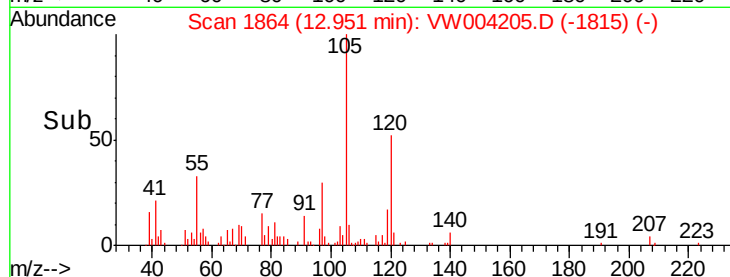
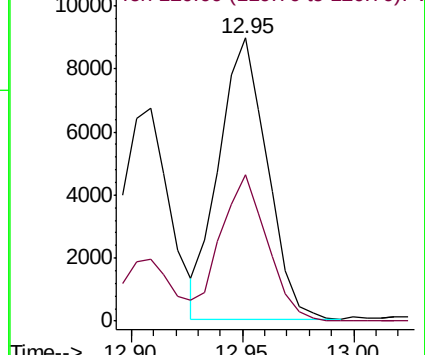
105 100

120 50.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 105.594 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004205.D

Acq: 25 Jul 2018 21:11

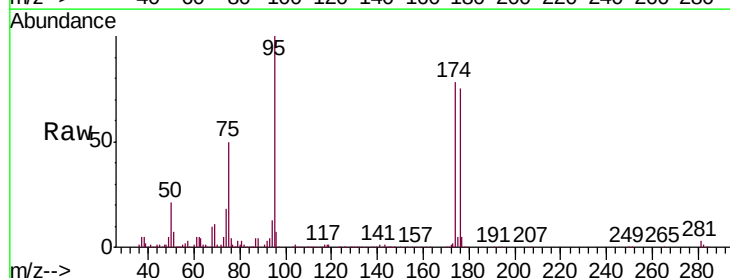
Tgt Ion: 75 Resp: 63785

Ion Ratio Lower Upper

75 100

53 0.2 77.6 116.4#

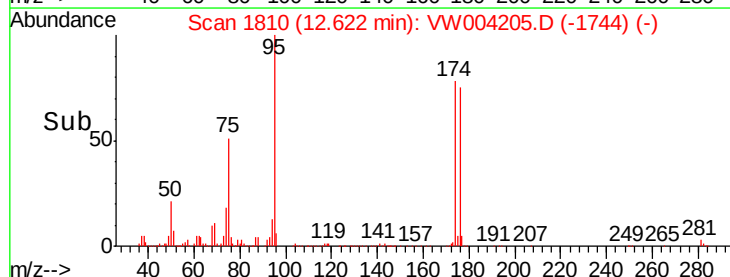
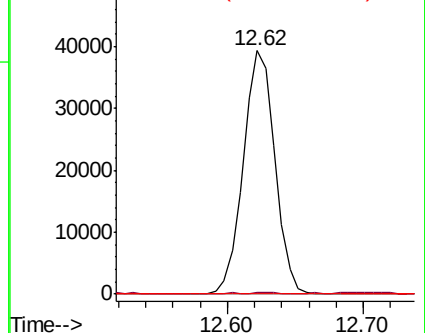
89 0.0 36.6 54.8#

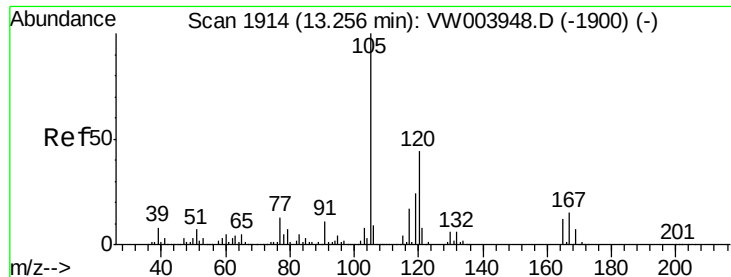


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

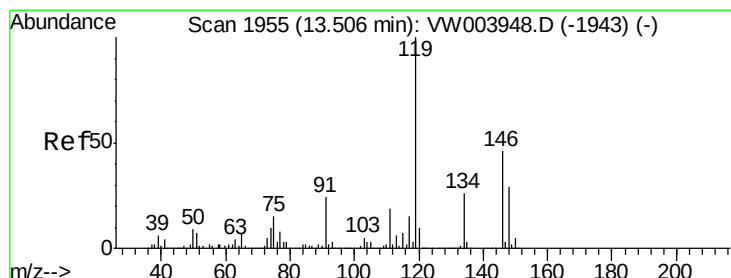
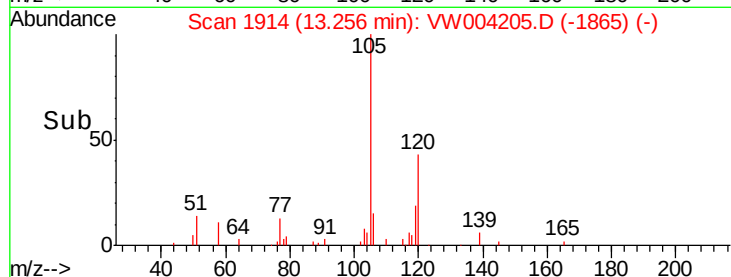
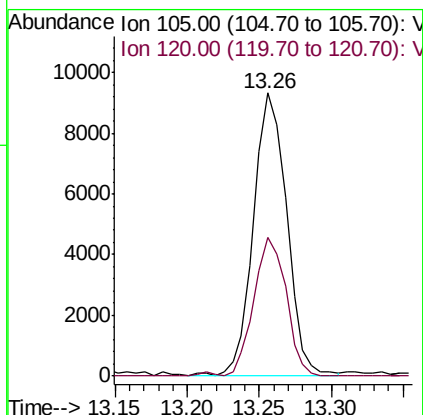
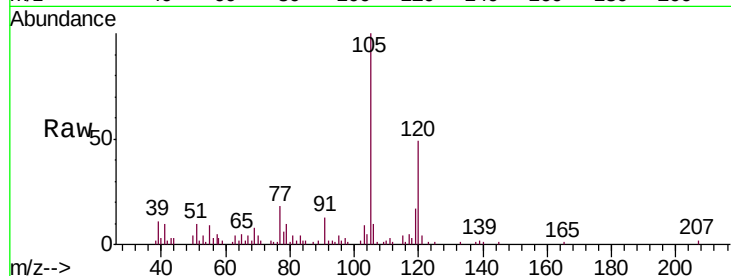




#84
 1,2,4-Trimethylbenzene
 Concen: 1.818 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004205.D
 Acq: 25 Jul 2018 21:11

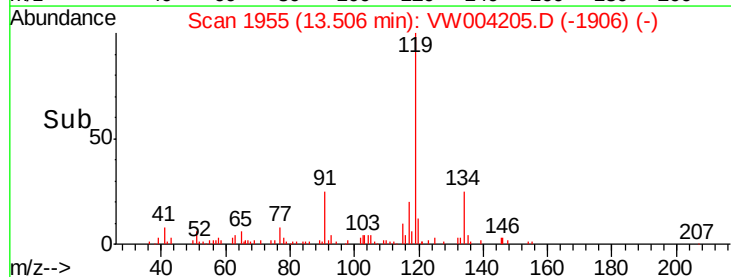
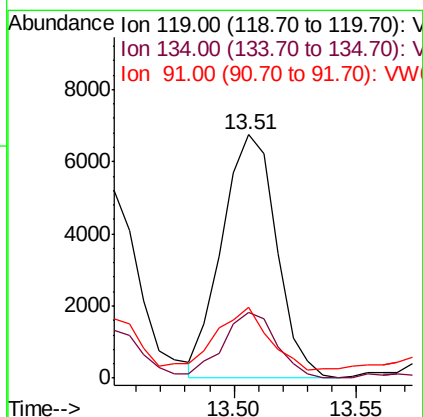
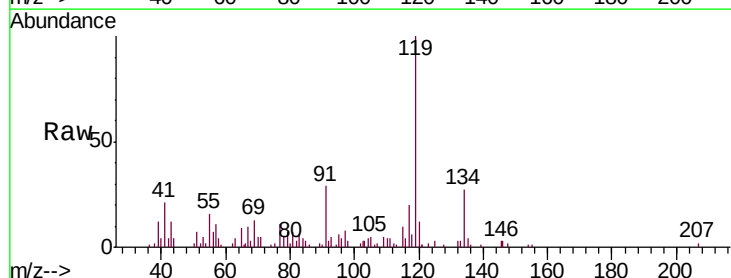
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-072418-A

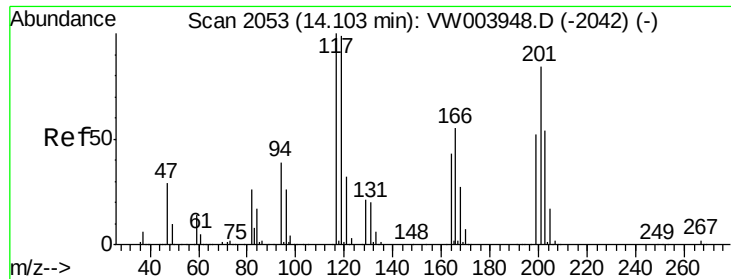
Tgt Ion:105 Resp: 14966
 Ion Ratio Lower Upper
 105 100
 120 47.0 22.1 66.1



#86
 p-Isopropyltoluene
 Concen: 1.200 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004205.D
 Acq: 25 Jul 2018 21:11

Tgt Ion:119 Resp: 10495
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.0 38.9
 91 23.3 11.8 35.3





#90

Hexachloroethane

Concen: 2.477 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW004205.D

Acq: 25 Jul 2018 21:11

Instrument :

MSVOA_W

ClientSampleId :

HR-06-072418-A

Tgt Ion:117 Resp: 3993

Ion Ratio Lower Upper

117 100

201 0.0 40.3 120.9#

