

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072618\
 Data File : VW004207.D
 Acq On : 25 Jul 2018 22:03
 Operator : SY/AP
 Sample : J3821-11
 Misc : 6.96G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Jul 26 05:12:41 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	224455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	380462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	268590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	111941	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	147537	58.80	ug/l	0.00
Spiked Amount			Recovery	=	117.60%	
35) Dibromofluoromethane	7.88	113	127021	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
50) Toluene-d8	10.33	98	327431	34.57	ug/l	0.00
Spiked Amount			Recovery	=	69.14%	
62) 4-Bromofluorobenzene	12.62	95	111834	32.74	ug/l	0.00
Spiked Amount			Recovery	=	65.48%	

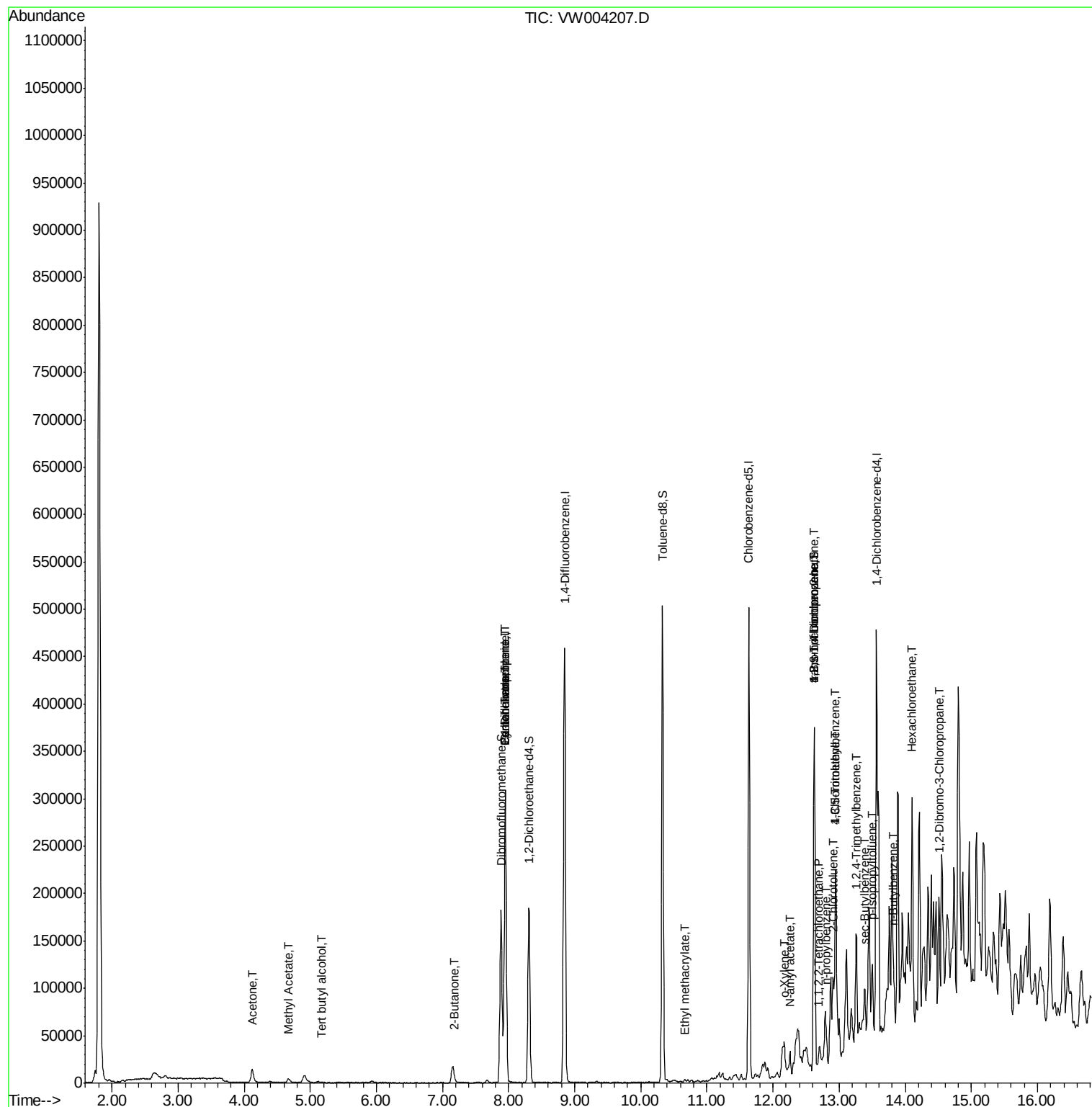
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	417	2.408	ug/l #	72
16) Acetone	4.12	43	23806	39.486	ug/l	97
18) Methyl Acetate	4.67	43	7766	5.366	ug/l	95
20) Methylene Chloride	4.90	84	3391	Below Cal	#	94
25) 2-Butanone	7.18	43	2509	3.092	ug/l	100
31) Cyclohexane	7.95	56	5241	1.259	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19053	4.867	ug/l #	50
38) Carbon Tetrachloride	7.95	117	22871	6.253	ug/l #	17
56) Ethyl methacrylate	10.66	69	496	3.107	ug/l #	84
69) o-Xylene	12.17	106	6816	1.916	ug/l	97
74) N-amyl acetate	12.26	43	5814	2.821	ug/l #	70
75) 1,1,2,2-Tetrachloroethane	12.69	83	1542	1.008	ug/l #	28
76) 1,2,3-Trichloropropane	12.62	75	58542	52.678	ug/l #	100
78) n-propylbenzene	12.81	91	19074	1.966	ug/l	100
79) 2-Chlorotoluene	12.90	91	5647	1.032	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.95	105	58350	8.766	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	58542	116.523	ug/l #	11
82) 4-Chlorotoluene	12.94	91	6735	1.147	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.26	105	63908	9.332	ug/l	98
85) sec-Butylbenzene	13.39	105	24553	2.961	ug/l	81
86) p-Isopropyltoluene	13.51	119	37089	5.099	ug/l	99
89) n-Butylbenzene	13.83	91	18623	2.605	ug/l #	65
90) Hexachloroethane	14.10	117	11042	8.236	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.51	75	538	1.978	ug/l #	11

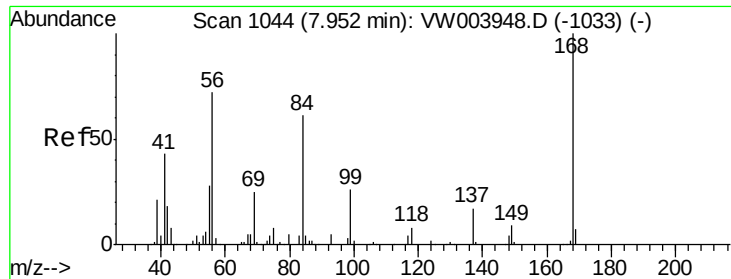
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW072618\
Data File : VW004207.D
Acq On : 25 Jul 2018 22:03
Operator : SY/AP
Sample : J3821-11
Misc : 6.96G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Jul 26 05:12:41 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 16 15:06:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004207.D

Acq: 25 Jul 2018 22:03

Instrument :

MSVOA_W

ClientSampleId :

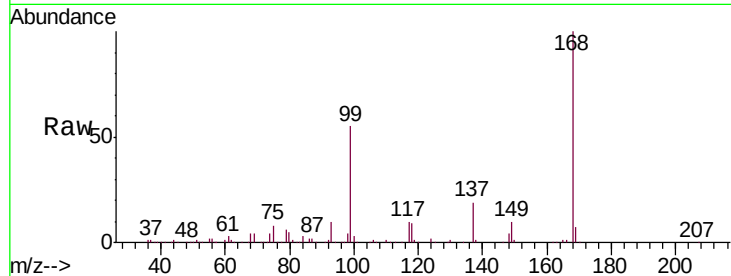
HR-06-072418-C

Tgt Ion:168 Resp: 224455

Ion Ratio Lower Upper

168 100

99 55.2 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

120000

100000

80000

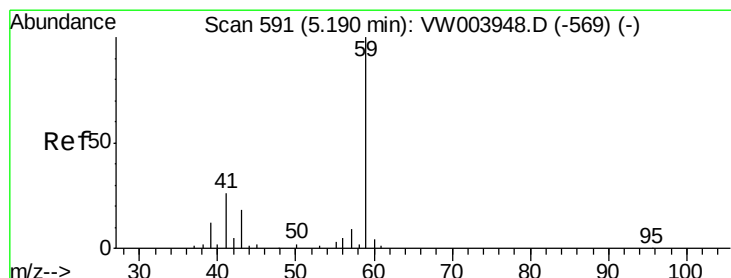
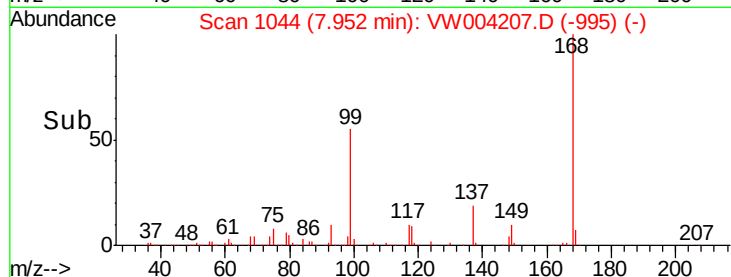
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.408 ug/l

RT: 5.17 min Scan# 588

Delta R.T. -0.02 min

Lab File: VW004207.D

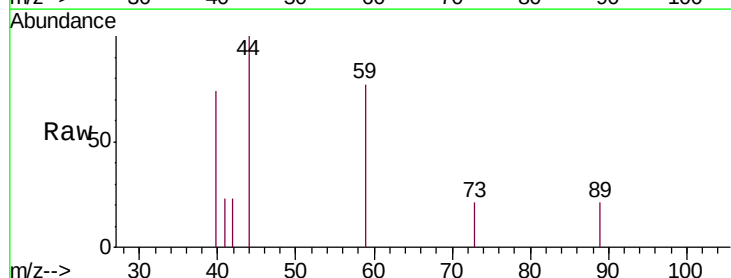
Acq: 25 Jul 2018 22:03

Tgt Ion: 59 Resp: 417

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

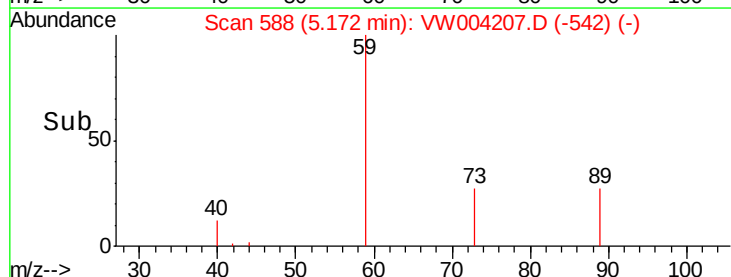
300

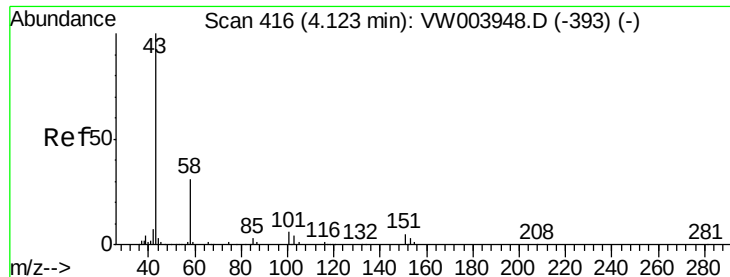
200

100

0

Time-->

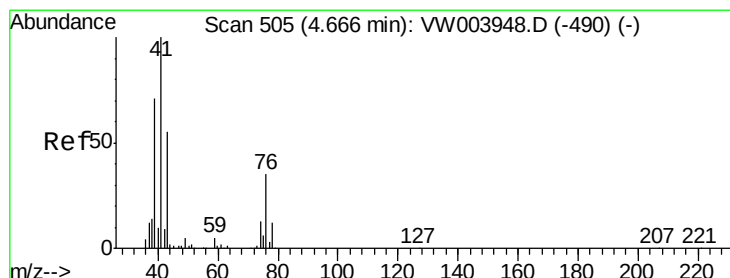
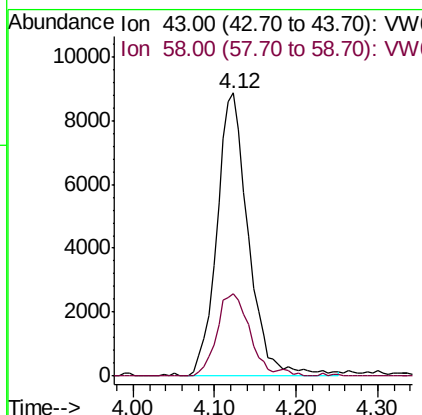
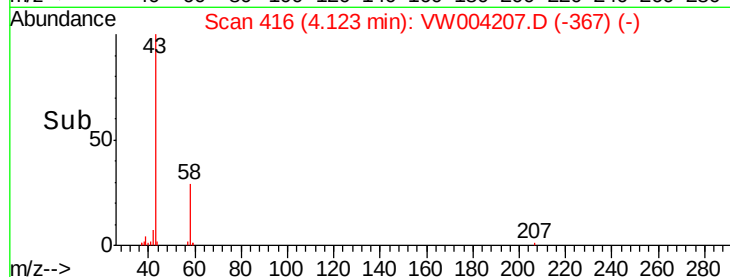
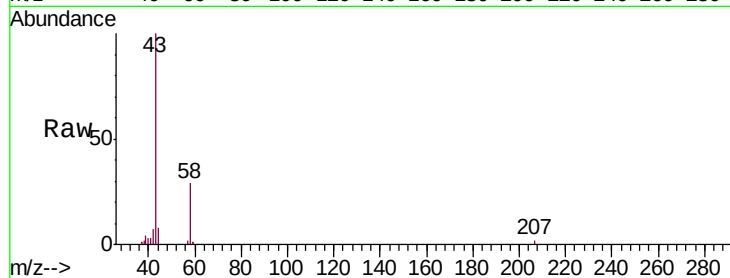




#16
Acetone
Concen: 39.486 ug/l
RT: 4.12 min Scan# 416
Delta R.T. -0.00 min
Lab File: VW004207.D
Acq: 25 Jul 2018 22:03

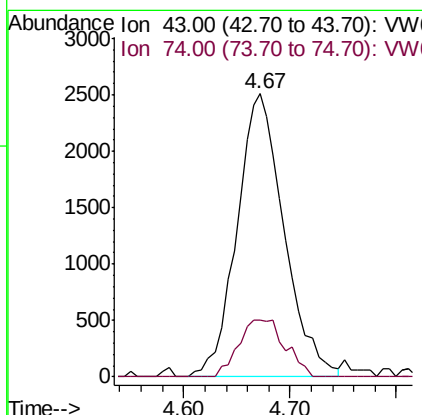
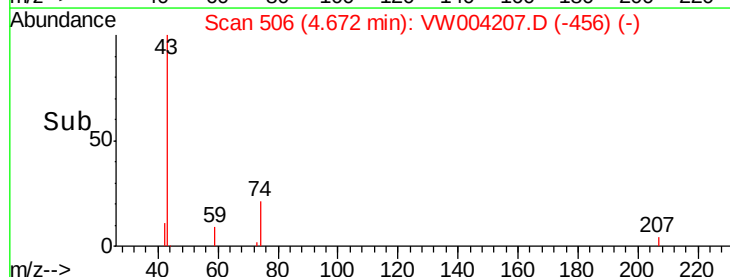
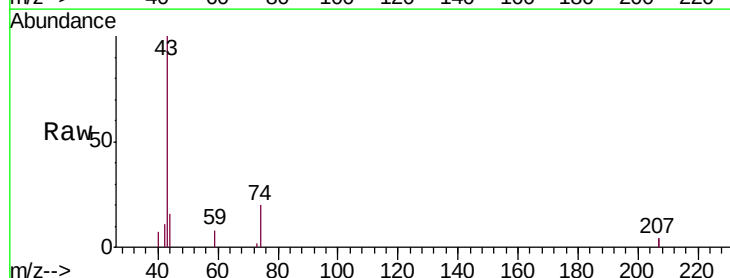
Instrument :
MSVOA_W
ClientSampleId :
HR-06-072418-C

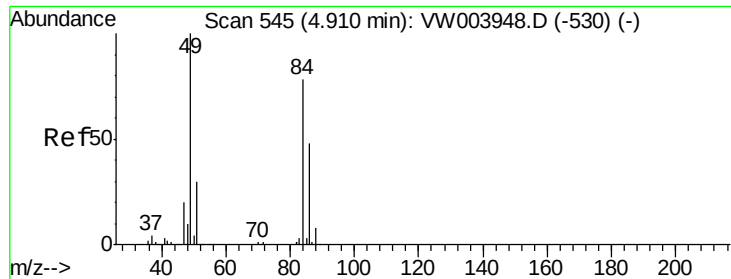
Tgt Ion: 43 Resp: 23806
Ion Ratio Lower Upper
43 100
58 29.2 24.5 36.7



#18
Methyl Acetate
Concen: 5.366 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.01 min
Lab File: VW004207.D
Acq: 25 Jul 2018 22:03

Tgt Ion: 43 Resp: 7766
Ion Ratio Lower Upper
43 100
74 19.9 17.7 26.5





#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW004207.D

Acq: 25 Jul 2018 22:03

Instrument :

MSVOA_W

ClientSampleId :

HR-06-072418-C

Tgt Ion: 84 Resp: 3391

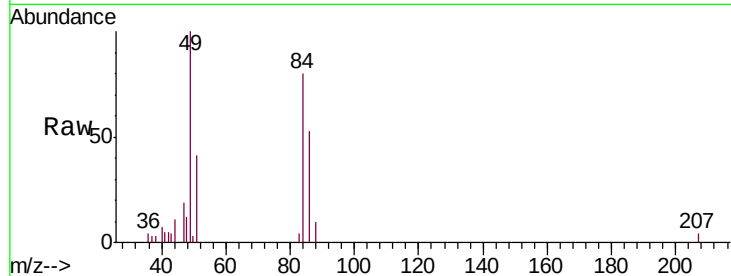
Ion Ratio Lower Upper

84 100

49 125.3 102.9 154.3

51 51.4 30.9 46.3#

86 66.2 49.9 74.9

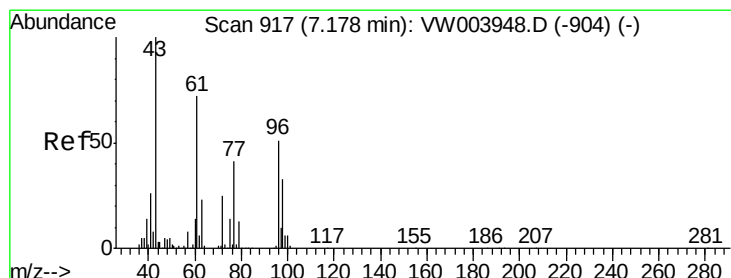
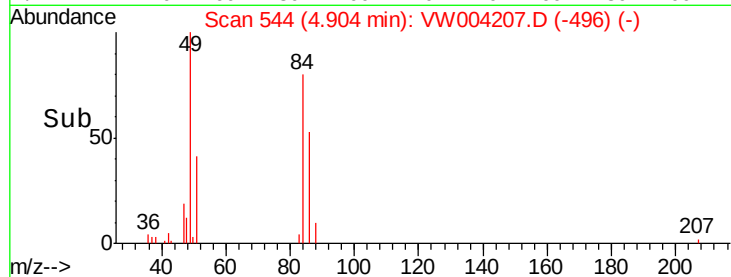
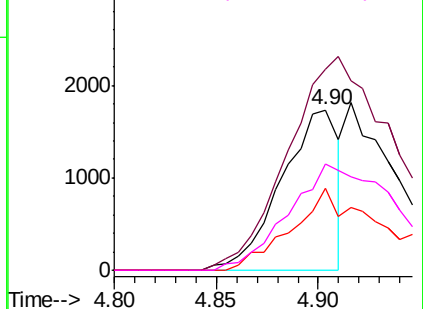


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 3.092 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW004207.D

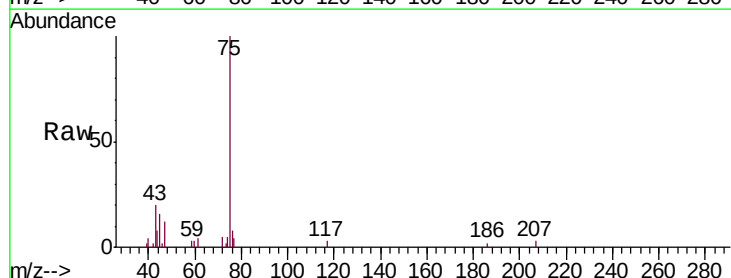
Acq: 25 Jul 2018 22:03

Tgt Ion: 43 Resp: 2509

Ion Ratio Lower Upper

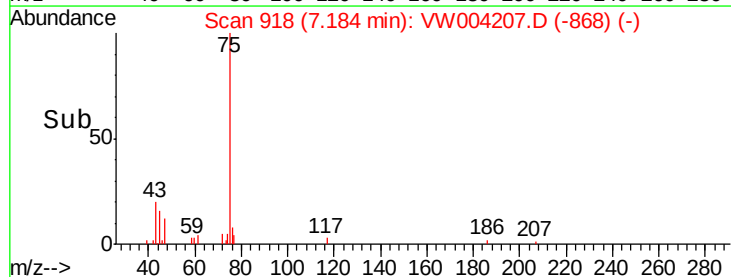
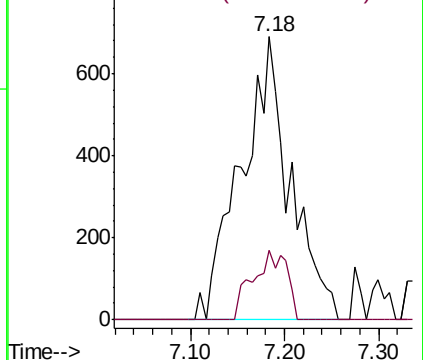
43 100

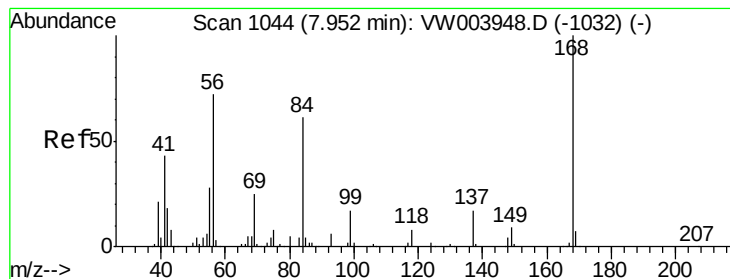
72 24.8 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.259 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW004207.D

Acq: 25 Jul 2018 22:03

Instrument :

MSVOA_W

ClientSampleId :

HR-06-072418-C

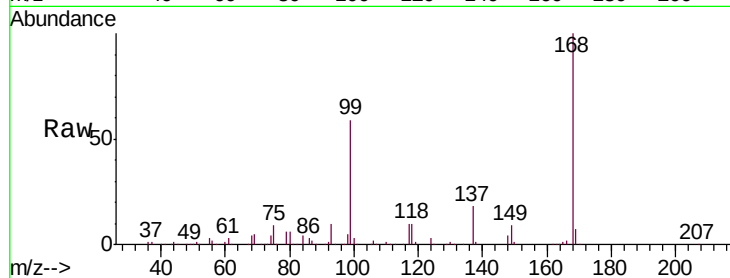
Tgt Ion: 56 Resp: 5241

Ion Ratio Lower Upper

56 100

69 196.4 27.8 41.8#

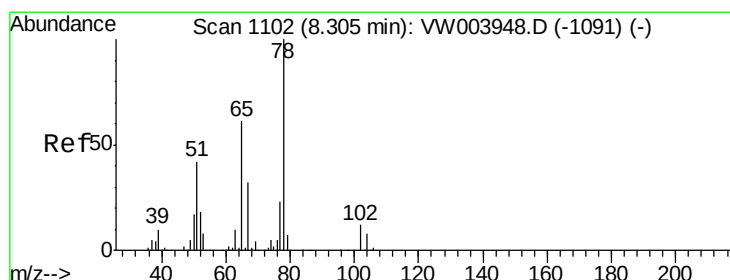
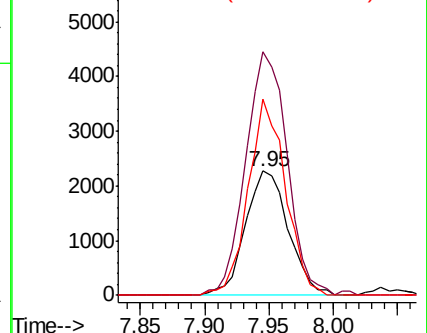
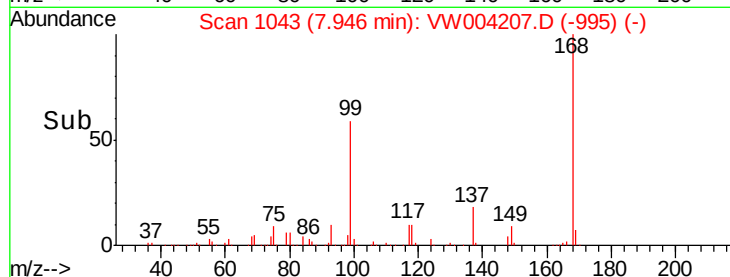
84 158.6 67.2 100.8#



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: 58.804 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW004207.D

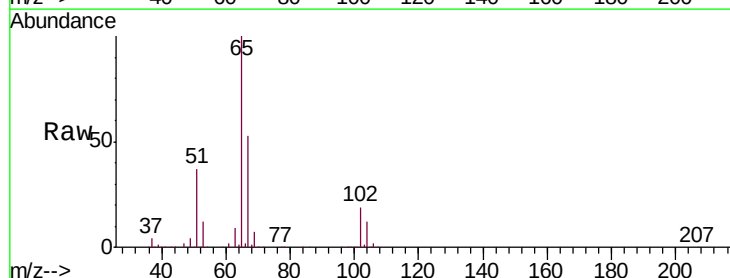
Acq: 25 Jul 2018 22:03

Tgt Ion: 65 Resp: 147537

Ion Ratio Lower Upper

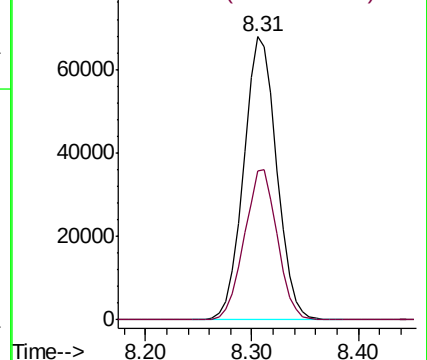
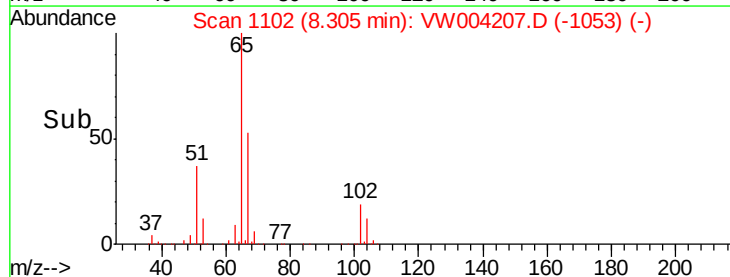
65 100

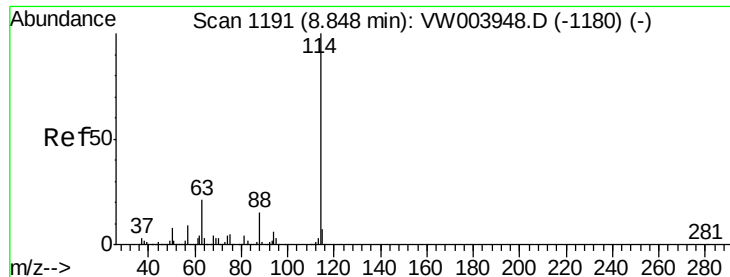
67 53.0 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

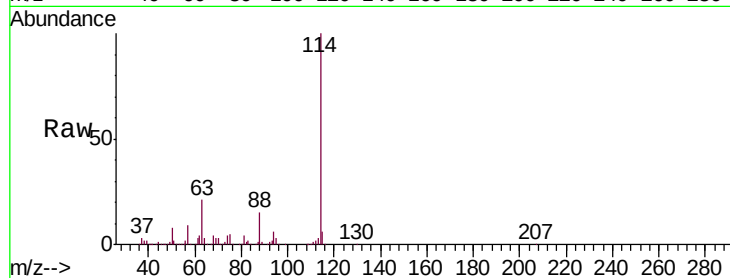




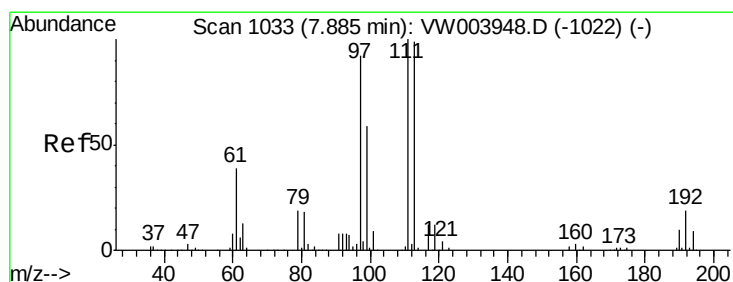
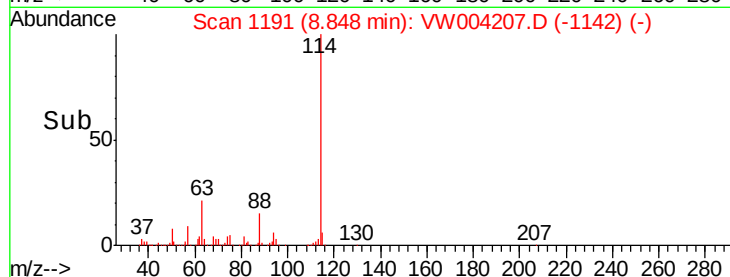
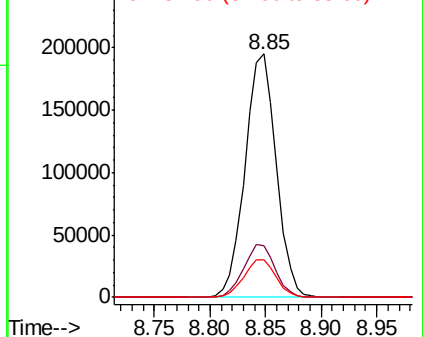
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004207.D
 Acq: 25 Jul 2018 22:03

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

Tgt Ion:114 Resp: 380462
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 42.8
 88 15.4 0.0 30.4

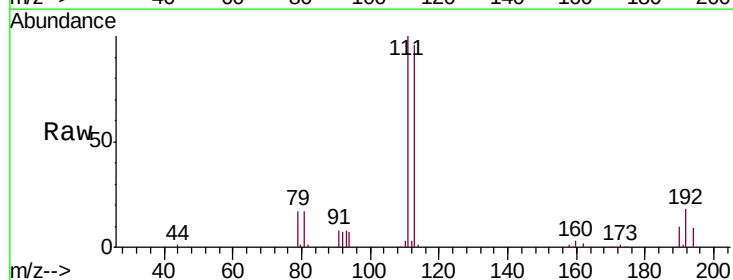


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

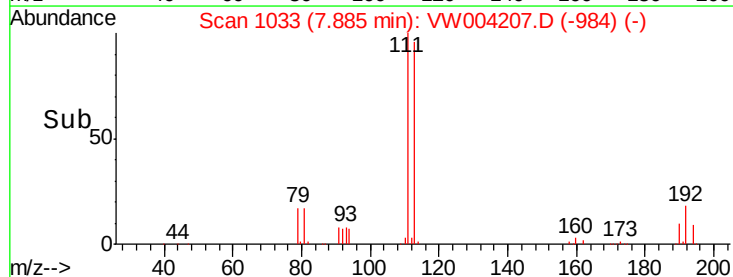
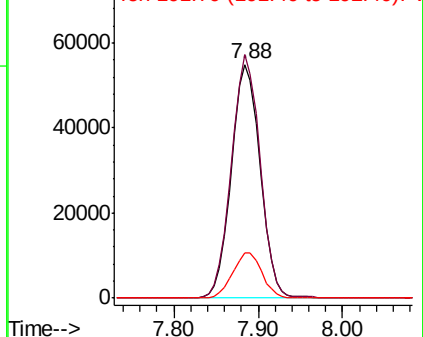


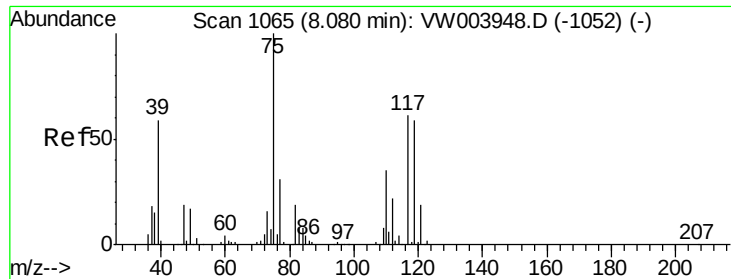
#35
 Dibromofluoromethane
 Concen: 52.034 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004207.D
 Acq: 25 Jul 2018 22:03

Tgt Ion:113 Resp: 127021
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.3 121.9
 192 19.6 15.8 23.6



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

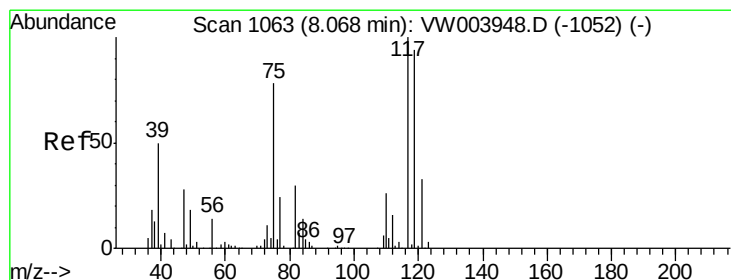
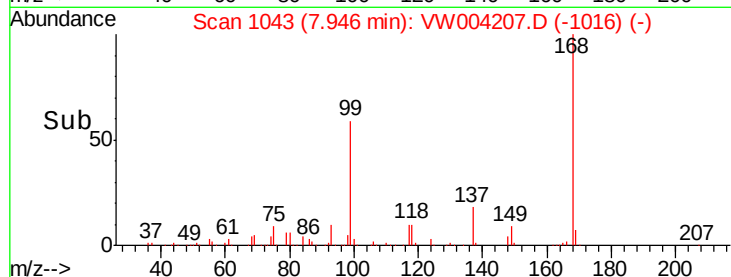
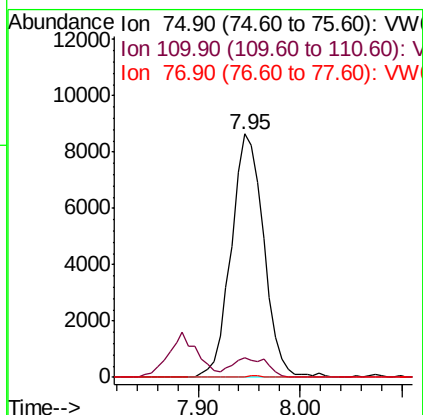
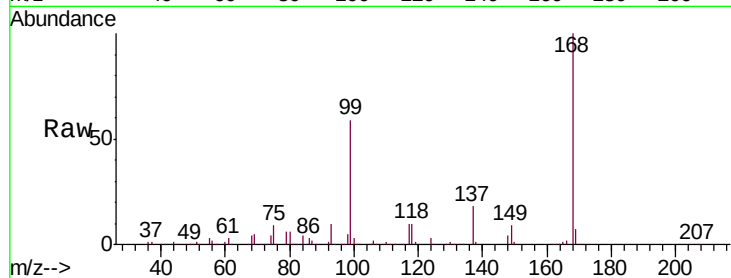




#36
 1,1-Dichloropropene
 Concen: 4.867 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW004207.D
 Acq: 25 Jul 2018 22:03

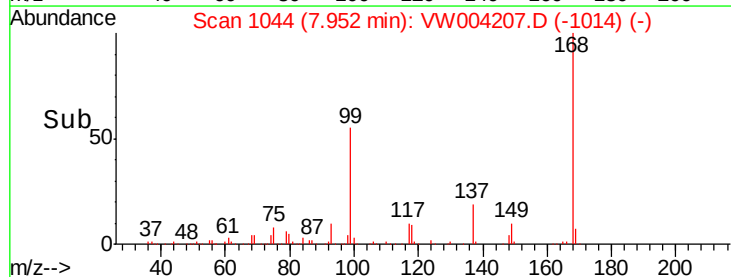
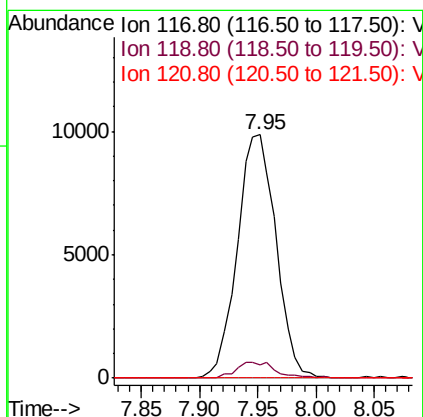
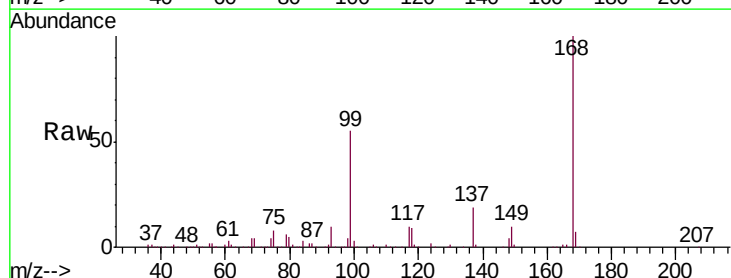
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-072418-C

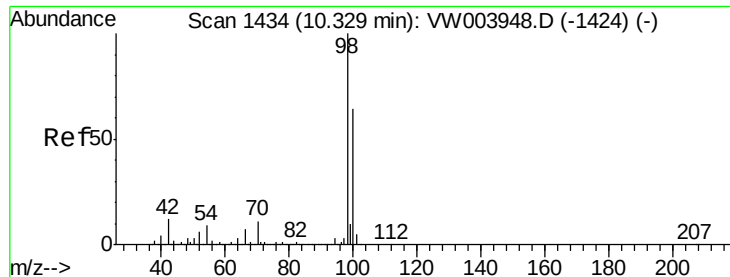
Tgt Ion: 75 Resp: 19053
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.0 51.0#
 77 0.3 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.253 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW004207.D
 Acq: 25 Jul 2018 22:03

Tgt Ion: 117 Resp: 22871
 Ion Ratio Lower Upper
 117 100
 119 5.5 75.3 112.9#
 121 0.0 26.0 39.0#





#50

Toluene-d8

Concen: 34.568 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004207.D

Acq: 25 Jul 2018 22:03

Instrument :

MSVOA_W

ClientSampleId :

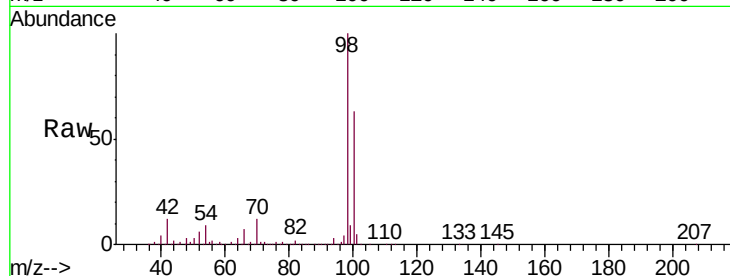
HR-06-072418-C

Tgt Ion: 98 Resp: 327431

Ion Ratio Lower Upper

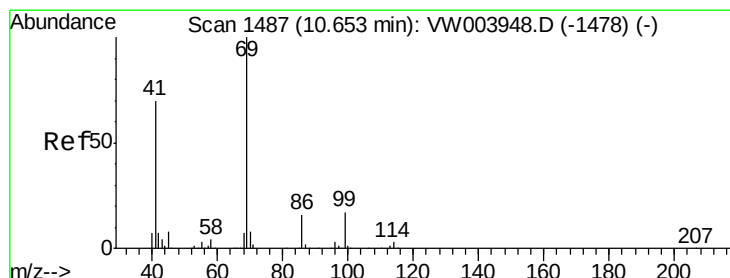
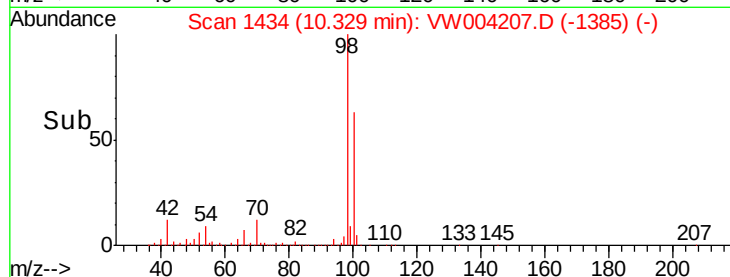
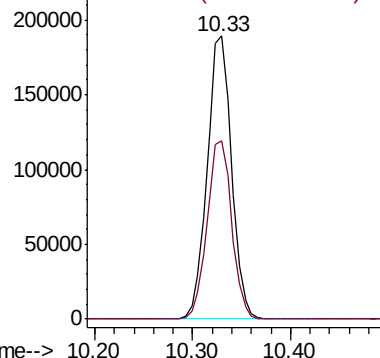
98 100

100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#56

Ethyl methacrylate

Concen: 3.107 ug/l

RT: 10.66 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW004207.D

Acq: 25 Jul 2018 22:03

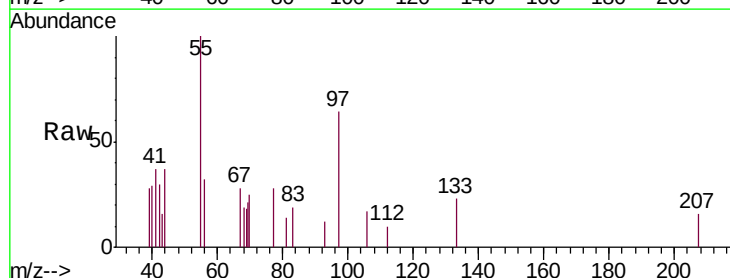
Tgt Ion: 69 Resp: 496

Ion Ratio Lower Upper

69 100

41 79.6 56.5 84.7

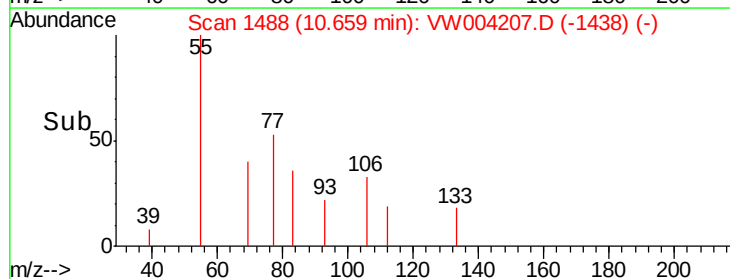
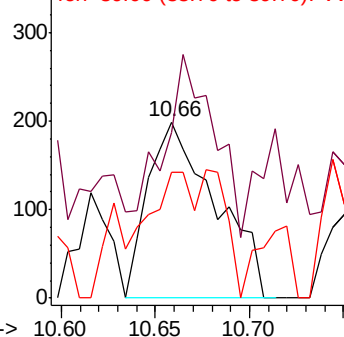
39 22.0 30.2 45.4#

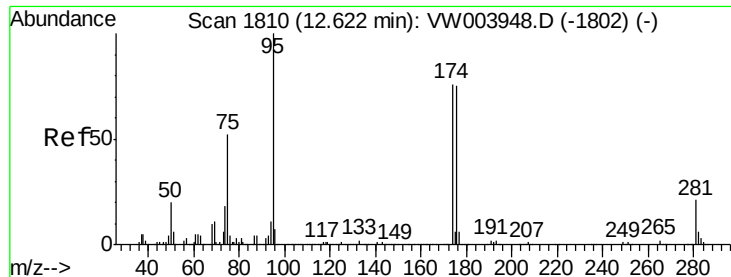


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#62

4-Bromofluorobenzene

Concen: 32.741 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004207.D

Acq: 25 Jul 2018 22:03

Instrument :

MSVOA_W

ClientSampleId :

HR-06-072418-C

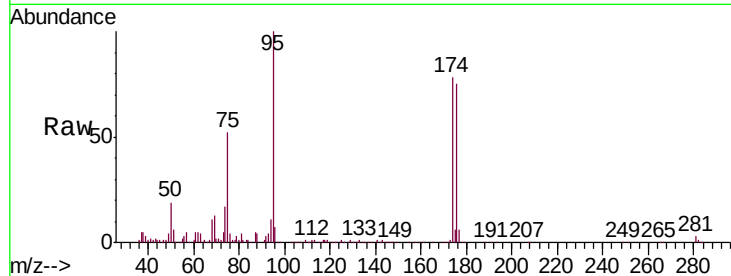
Tgt Ion: 95 Resp: 111834

Ion Ratio Lower Upper

95 100

174 80.7 0.0 160.2

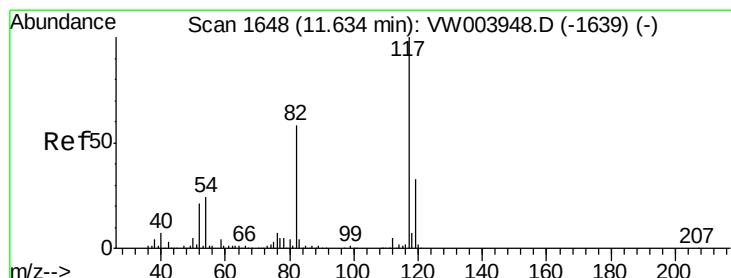
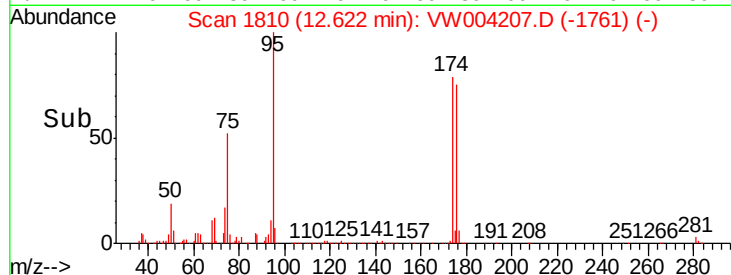
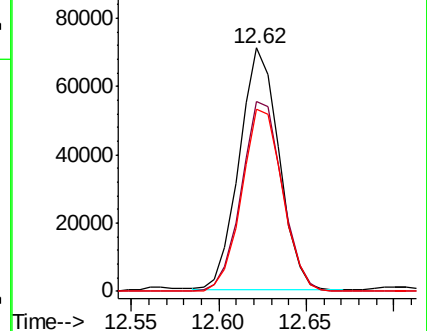
176 77.3 0.0 155.8



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: VW004207.D

Acq: 25 Jul 2018 22:03

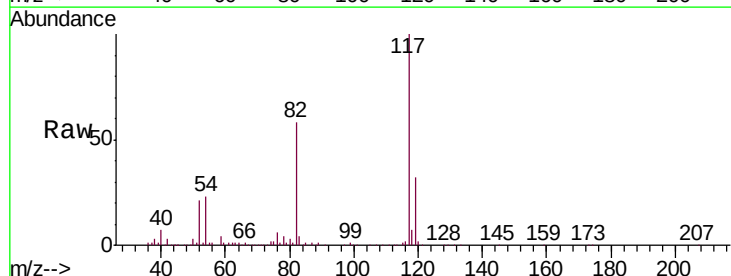
Tgt Ion: 117 Resp: 268590

Ion Ratio Lower Upper

117 100

82 57.9 46.5 69.7

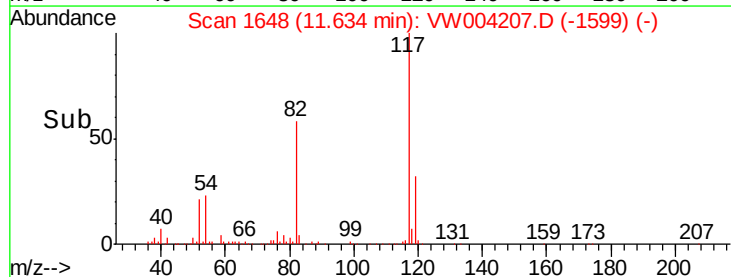
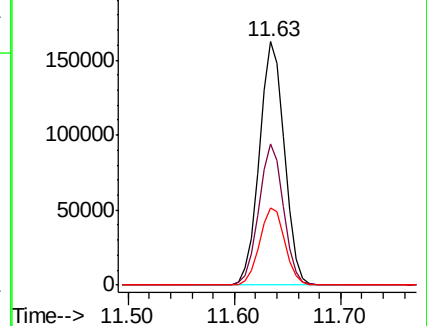
119 31.8 26.2 39.2

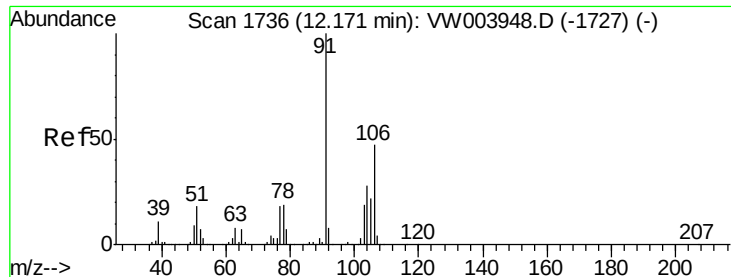


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

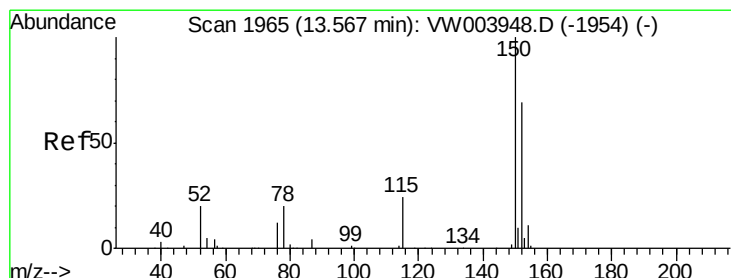
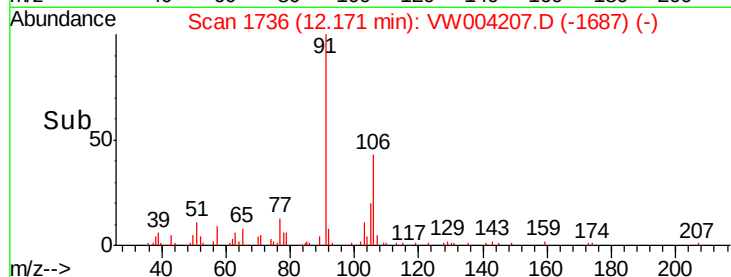
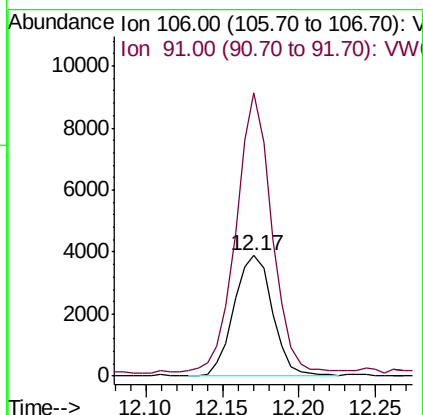
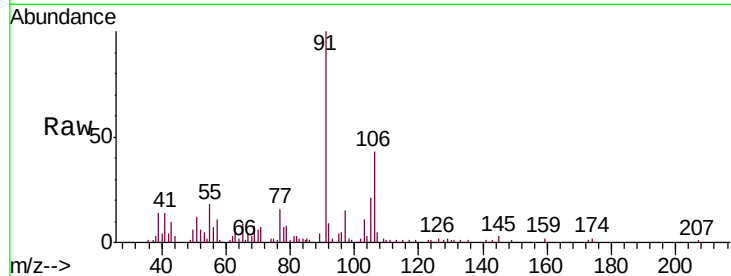




#69
o-Xylene
Concen: 1.916 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004207.D
Acq: 25 Jul 2018 22:03

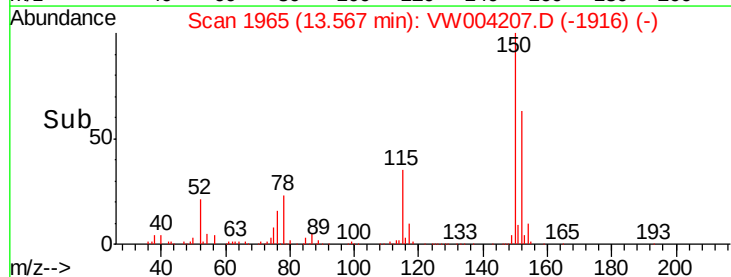
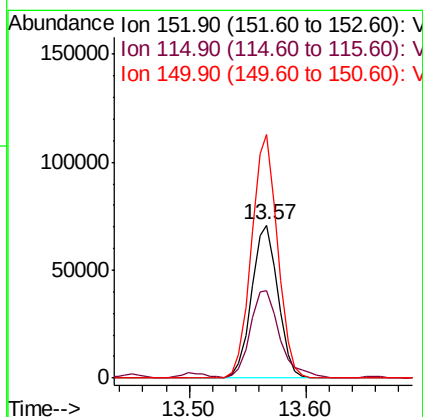
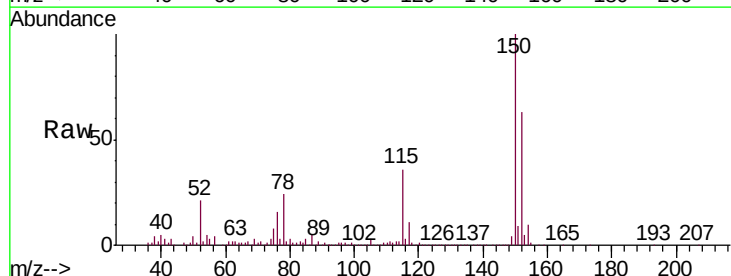
Instrument :
MSVOA_W
ClientSampleId :
HR-06-072418-C

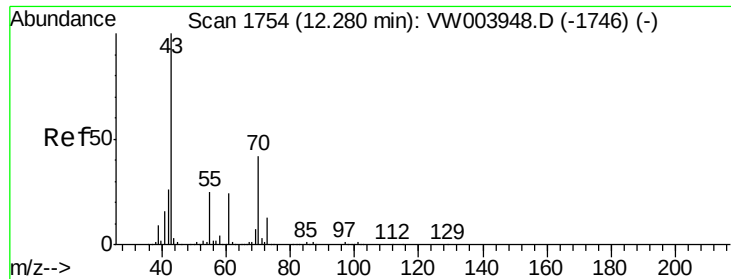
Tgt Ion:106 Resp: 6816
Ion Ratio Lower Upper
106 100
91 219.6 107.5 322.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004207.D
Acq: 25 Jul 2018 22:03

Tgt Ion:152 Resp: 111941
Ion Ratio Lower Upper
152 100
115 63.2 29.2 87.6
150 157.0 0.0 345.2





#74

N-amyI acetate

Concen: 2.821 ug/l

RT: 12.26 min Scan# 1750

Delta R.T. -0.02 min

Lab File: VW004207.D

Acq: 25 Jul 2018 22:03

Instrument :

MSVOA_W

ClientSampleId :

HR-06-072418-C

Tgt Ion: 43 Resp: 5814

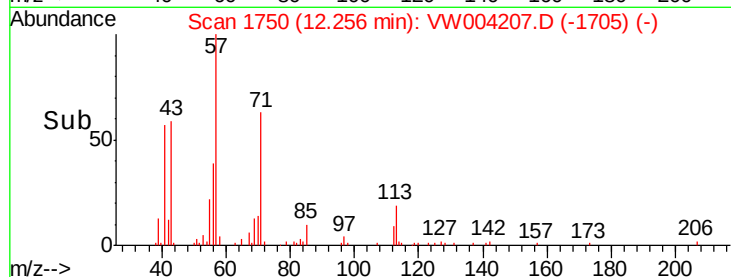
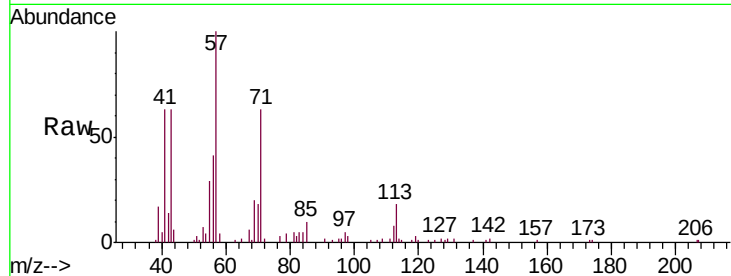
Ion Ratio Lower Upper

43 100

70 35.2 31.6 47.4

55 0.0 20.0 30.0#

61 0.0 18.5 27.7#

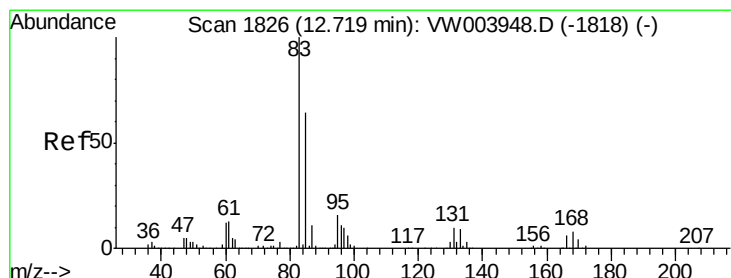
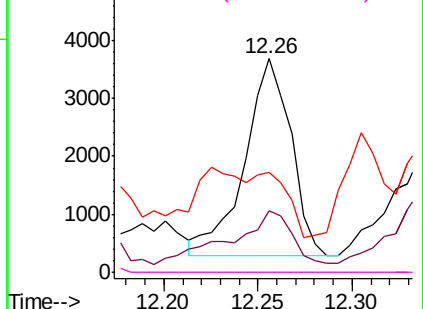


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.008 ug/l

RT: 12.69 min Scan# 1821

Delta R.T. -0.03 min

Lab File: VW004207.D

Acq: 25 Jul 2018 22:03

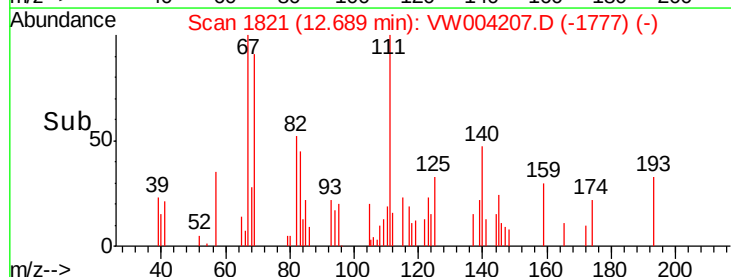
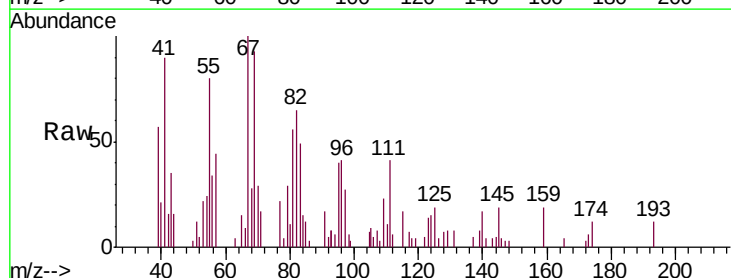
Tgt Ion: 83 Resp: 1542

Ion Ratio Lower Upper

83 100

131 7.9 5.3 15.8

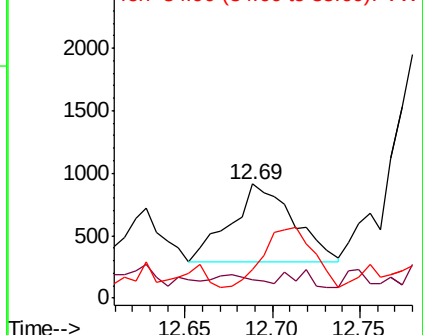
85 0.0 32.2 96.6#

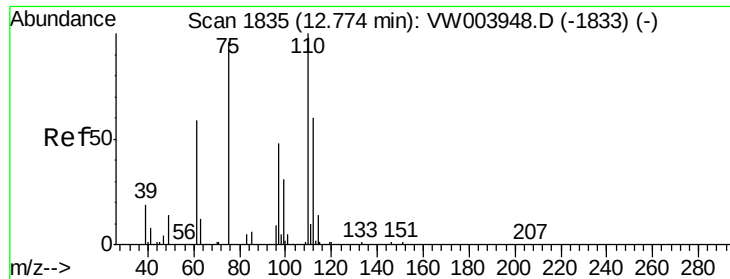


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 52.678 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004207.D

Acq: 25 Jul 2018 22:03

Instrument :

MSVOA_W

ClientSampleId :

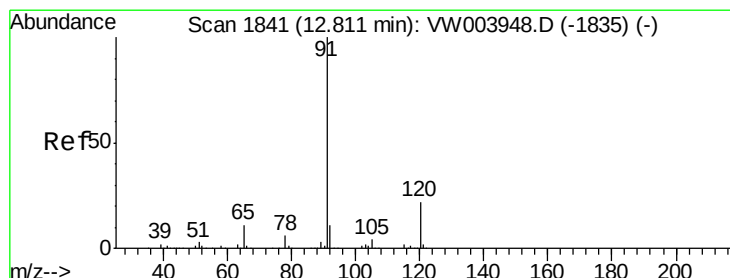
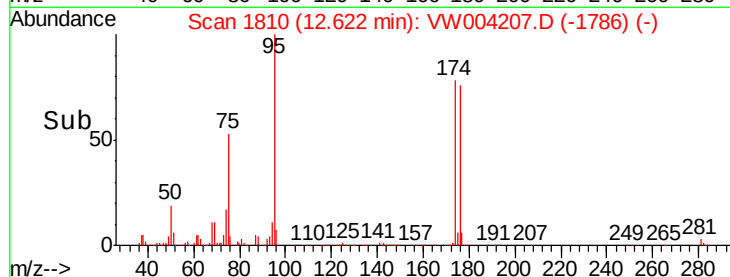
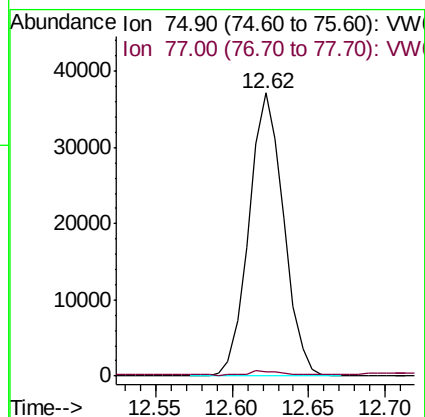
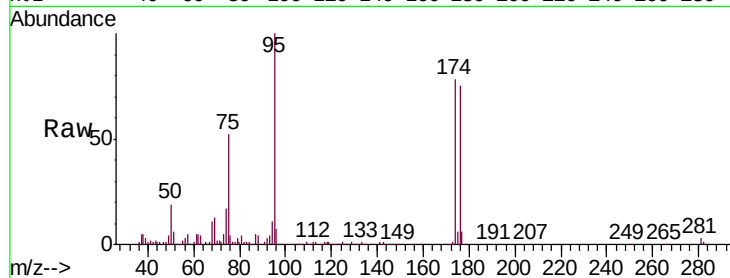
HR-06-072418-C

Tgt Ion: 75 Resp: 58542

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#78

n-propylbenzene

Concen: 1.966 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW004207.D

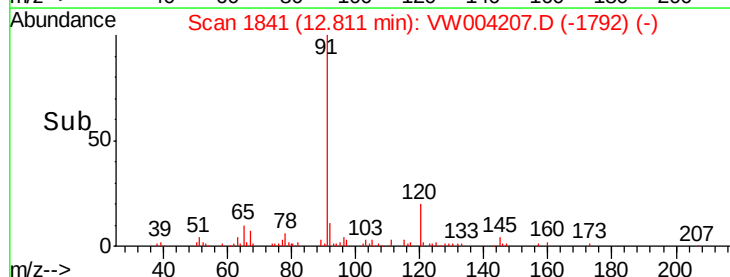
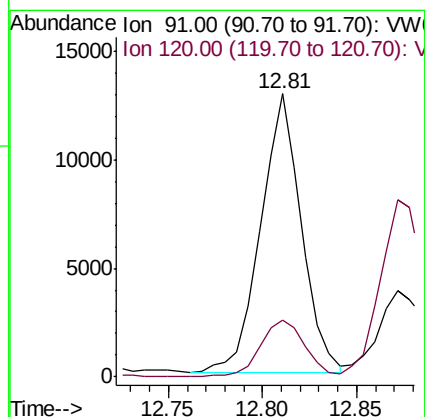
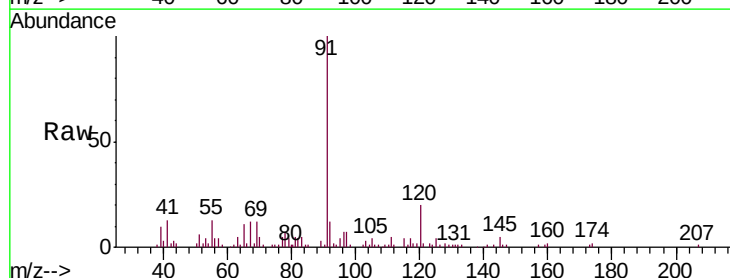
Acq: 25 Jul 2018 22:03

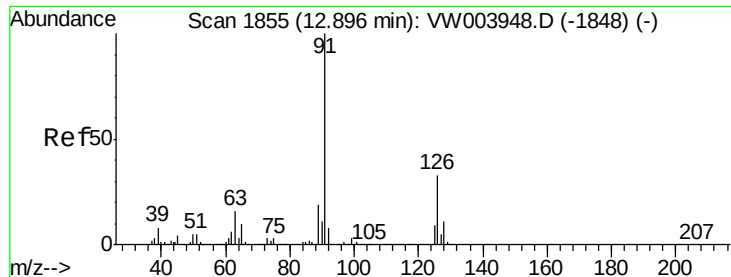
Tgt Ion: 91 Resp: 19074

Ion Ratio Lower Upper

91 100

120 22.5 11.2 33.6

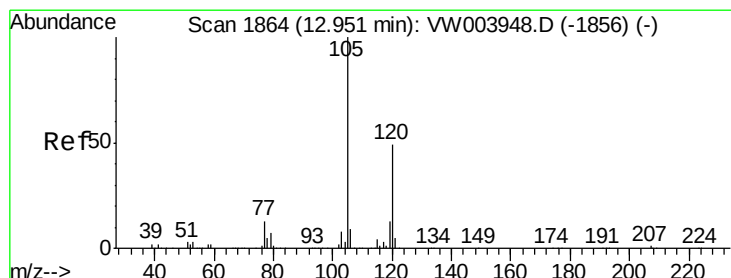
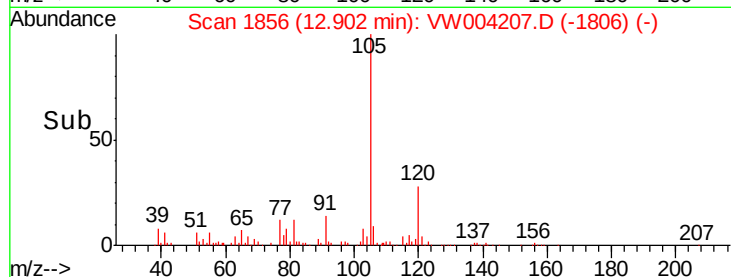
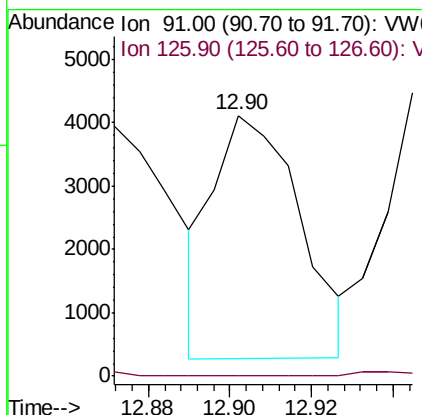
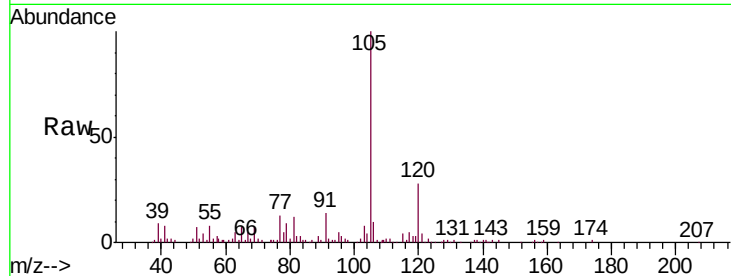




#79
 2-Chlorotoluene
 Concen: 1.032 ug/l
 RT: 12.90 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VW004207.D
 Acq: 25 Jul 2018 22:03

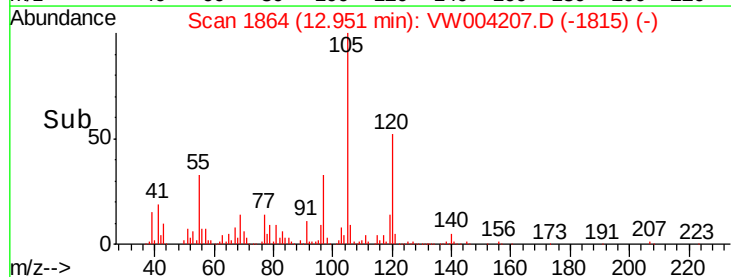
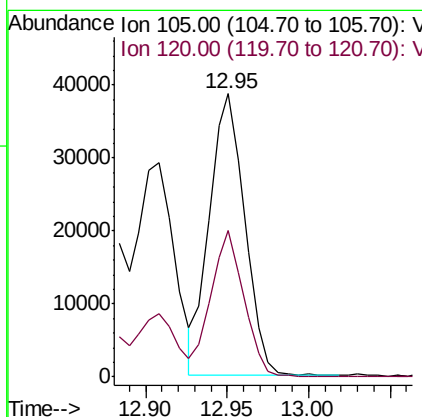
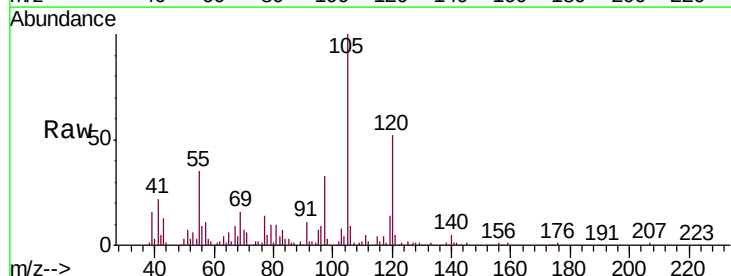
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-072418-C

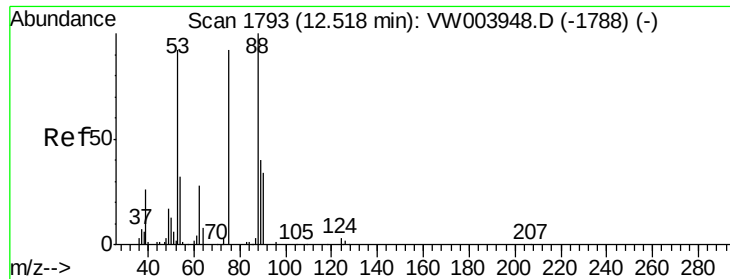
Tgt Ion: 91 Resp: 5647
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.0 51.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 8.766 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VW004207.D
 Acq: 25 Jul 2018 22:03

Tgt Ion: 105 Resp: 58350
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.4 73.2

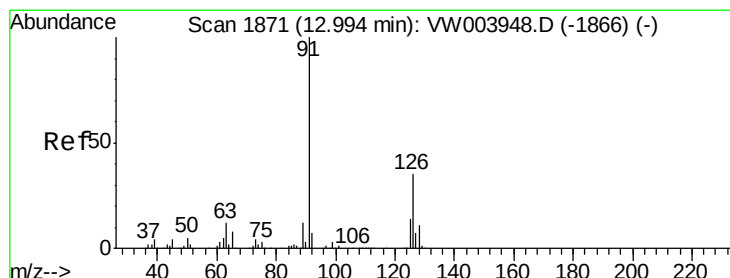
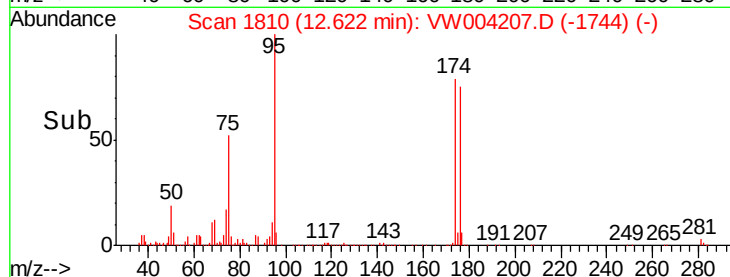
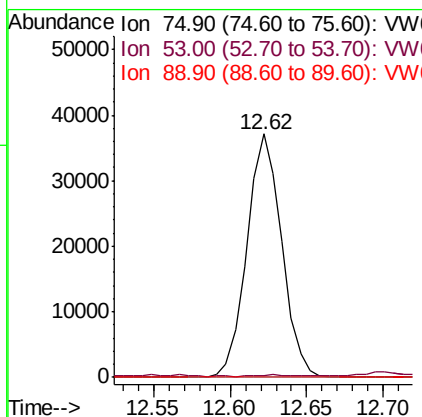
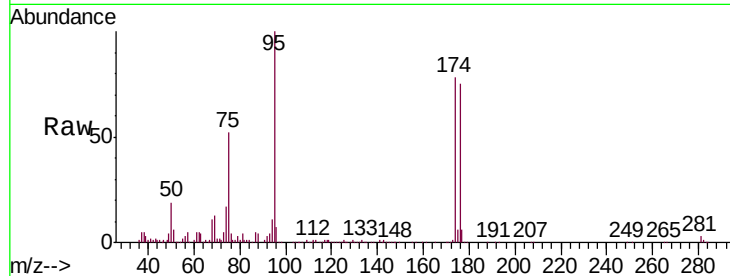




#81
trans-1,4-Dichloro-2-butene
Concen: 116.523 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW004207.D
Acq: 25 Jul 2018 22:03

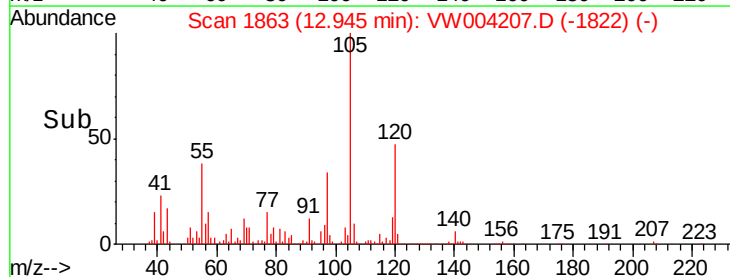
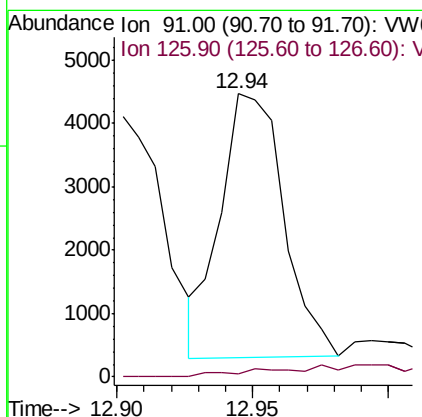
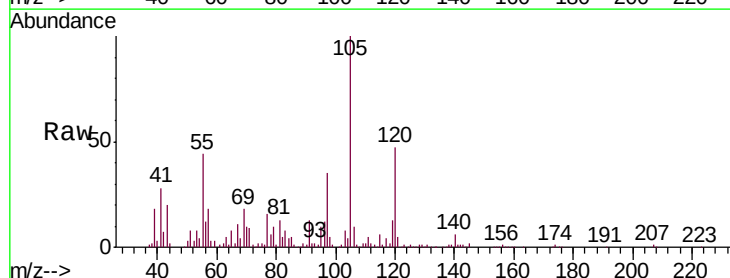
Instrument :
MSVOA_W
ClientSampleId :
HR-06-072418-C

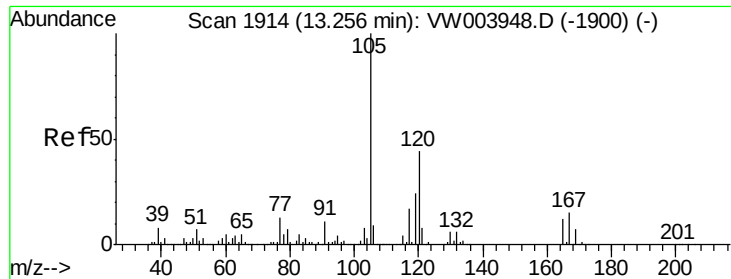
Tgt Ion: 75 Resp: 58542
Ion Ratio Lower Upper
75 100
53 0.8 77.6 116.4#
89 0.1 36.6 54.8#



#82
4-Chlorotoluene
Concen: 1.147 ug/l
RT: 12.94 min Scan# 1863
Delta R.T. -0.05 min
Lab File: VW004207.D
Acq: 25 Jul 2018 22:03

Tgt Ion: 91 Resp: 6735
Ion Ratio Lower Upper
91 100
126 0.0 16.7 50.0#

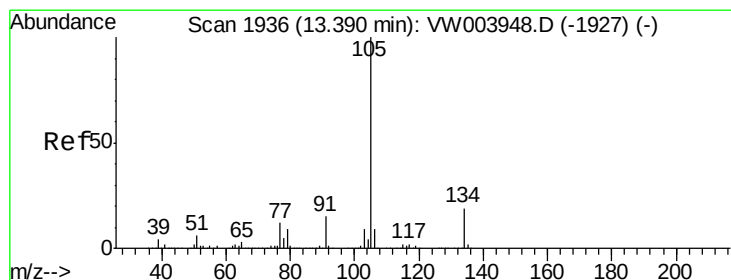
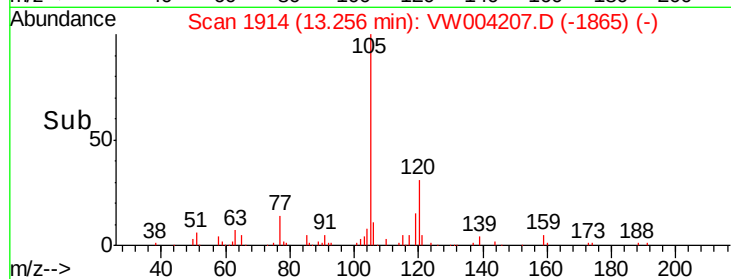
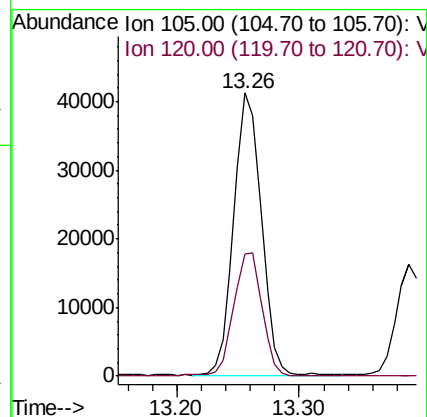
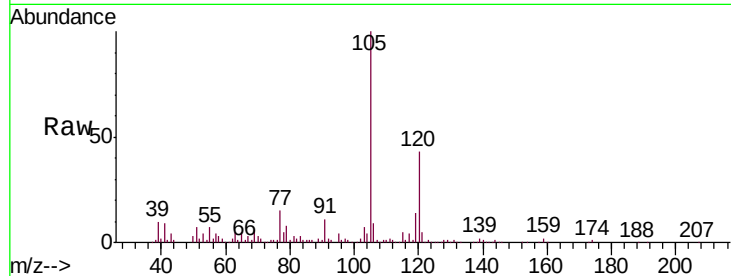




#84
 1,2,4-Trimethylbenzene
 Concen: 9.332 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW004207.D
 Acq: 25 Jul 2018 22:03

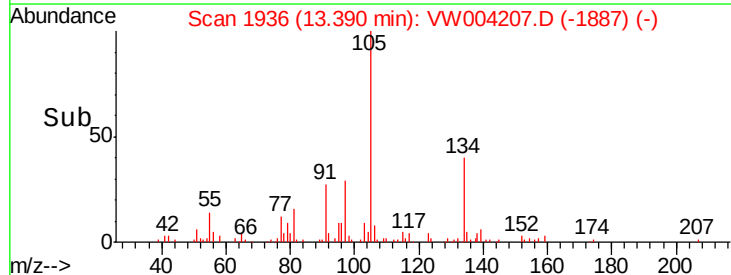
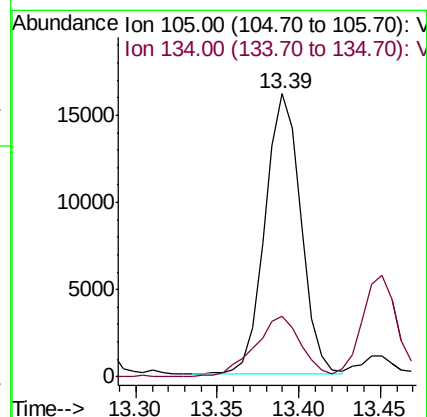
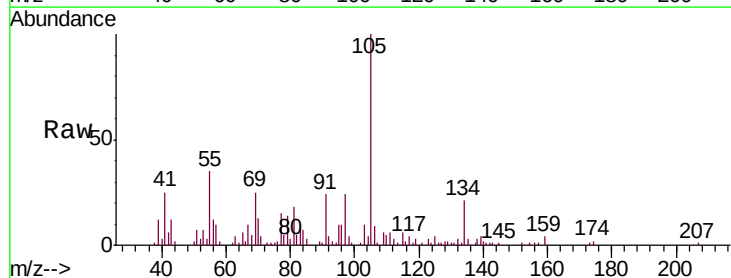
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-072418-C

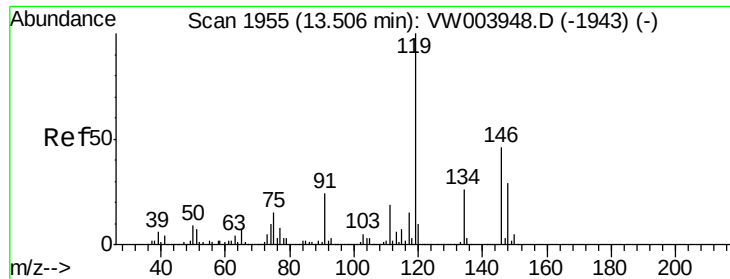
Tgt Ion:105 Resp: 63908
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.1 66.1



#85
 sec-Butylbenzene
 Concen: 2.961 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW004207.D
 Acq: 25 Jul 2018 22:03

Tgt Ion:105 Resp: 24553
 Ion Ratio Lower Upper
 105 100
 134 28.1 9.8 29.4

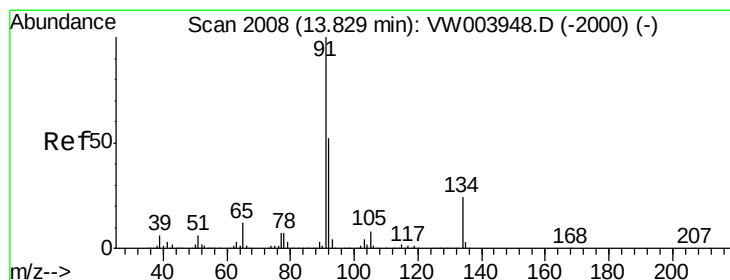
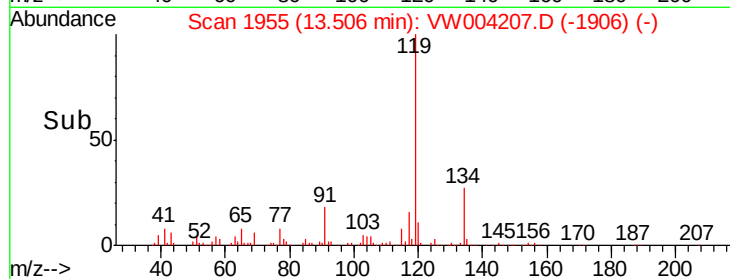
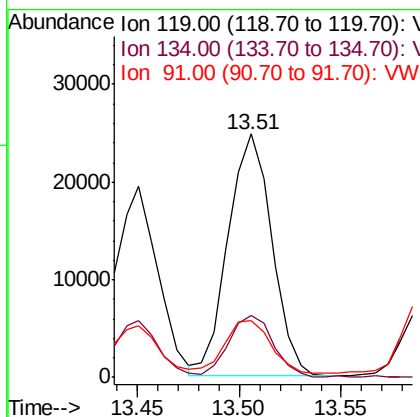
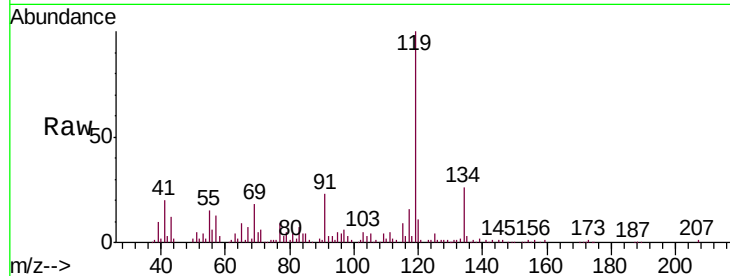




#86
 p-Isopropyltoluene
 Concen: 5.099 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004207.D
 Acq: 25 Jul 2018 22:03

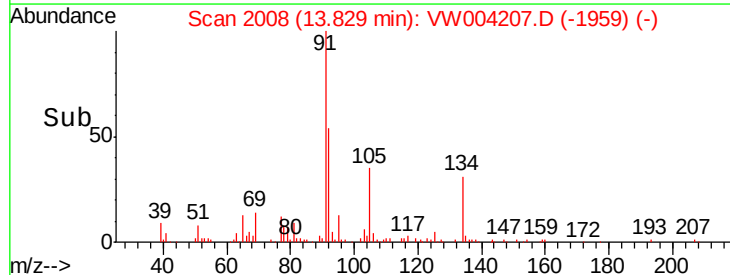
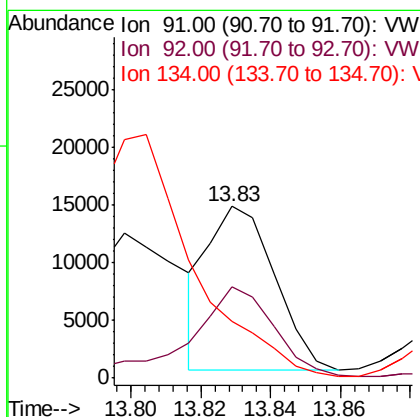
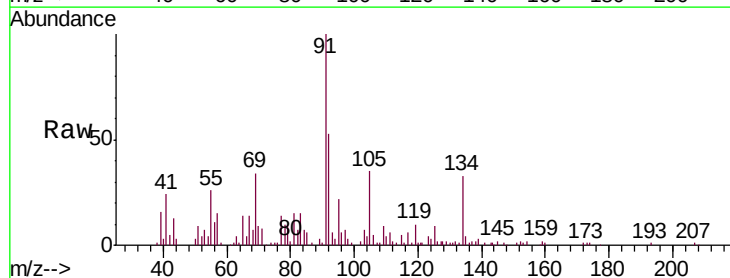
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-072418-C

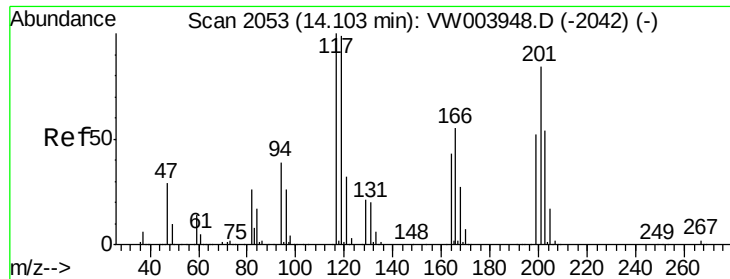
Tgt Ion: 119 Resp: 37089
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 38.9
 91 22.4 11.8 35.3



#89
 n-Butylbenzene
 Concen: 2.605 ug/l
 RT: 13.83 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VW004207.D
 Acq: 25 Jul 2018 22:03

Tgt Ion: 91 Resp: 18623
 Ion Ratio Lower Upper
 91 100
 92 72.2 26.1 78.3
 134 0.0 12.4 37.4#





#90

Hexachloroethane

Concen: 8.236 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VW004207.D

Acq: 25 Jul 2018 22:03

Instrument :

MSVOA_W

ClientSampleId :

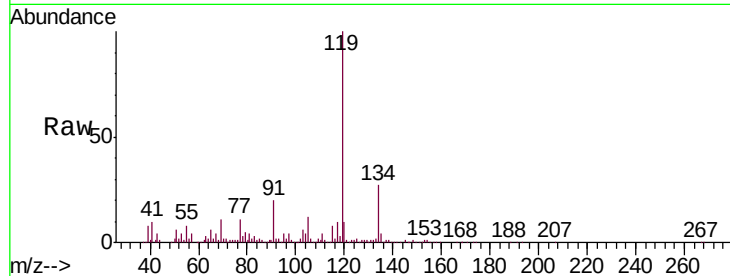
HR-06-072418-C

Tgt Ion: 117 Resp: 11042

Ion Ratio Lower Upper

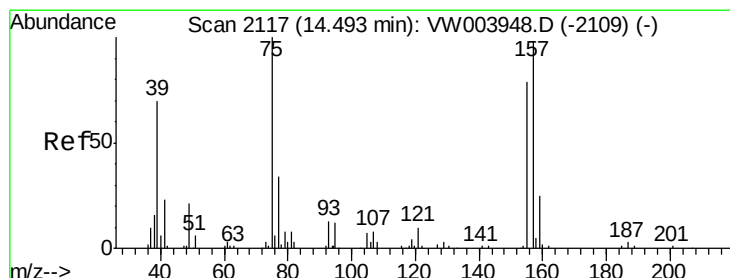
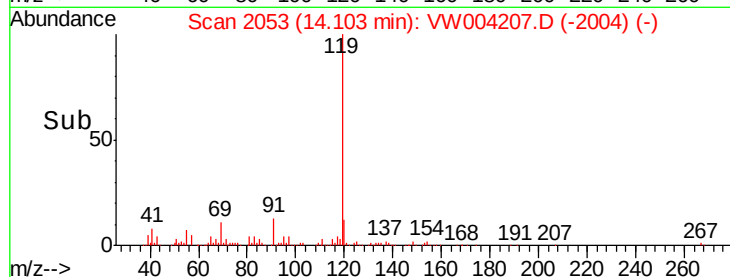
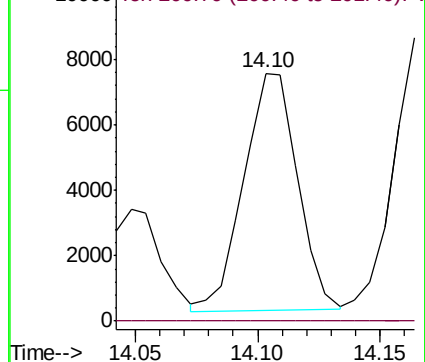
117 100

201 0.0 40.3 120.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.978 ug/l

RT: 14.51 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VW004207.D

Acq: 25 Jul 2018 22:03

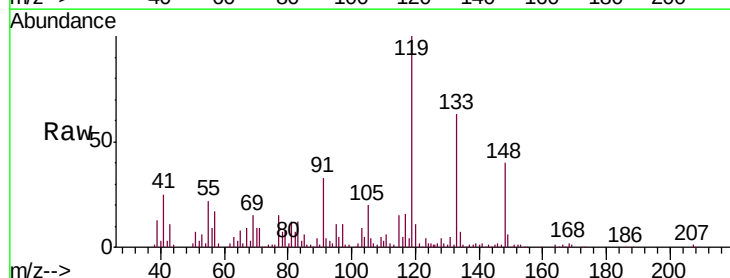
Tgt Ion: 75 Resp: 538

Ion Ratio Lower Upper

75 100

155 14.5 39.4 118.1#

157 0.0 51.8 155.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

