

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090718\
 Data File : VW005217.D
 Acq On : 07 Sep 2018 18:41
 Operator : SY/AP
 Sample : J4801-01RE
 Misc : 5.68G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CHRT-26957

Quant Time: Sep 08 01:20:50 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	547385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	853982	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	832525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	422040	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	195325	43.05	ug/l	0.00
Spiked Amount			Recovery	=	86.10%	
35) Dibromofluoromethane	7.89	113	186592	37.81	ug/l	0.00
Spiked Amount			Recovery	=	75.62%	
50) Toluene-d8	10.33	98	844416	37.13	ug/l	0.00
Spiked Amount			Recovery	=	74.26%	
62) 4-Bromofluorobenzene	12.63	95	324836	40.51	ug/l	0.00
Spiked Amount			Recovery	=	81.02%	

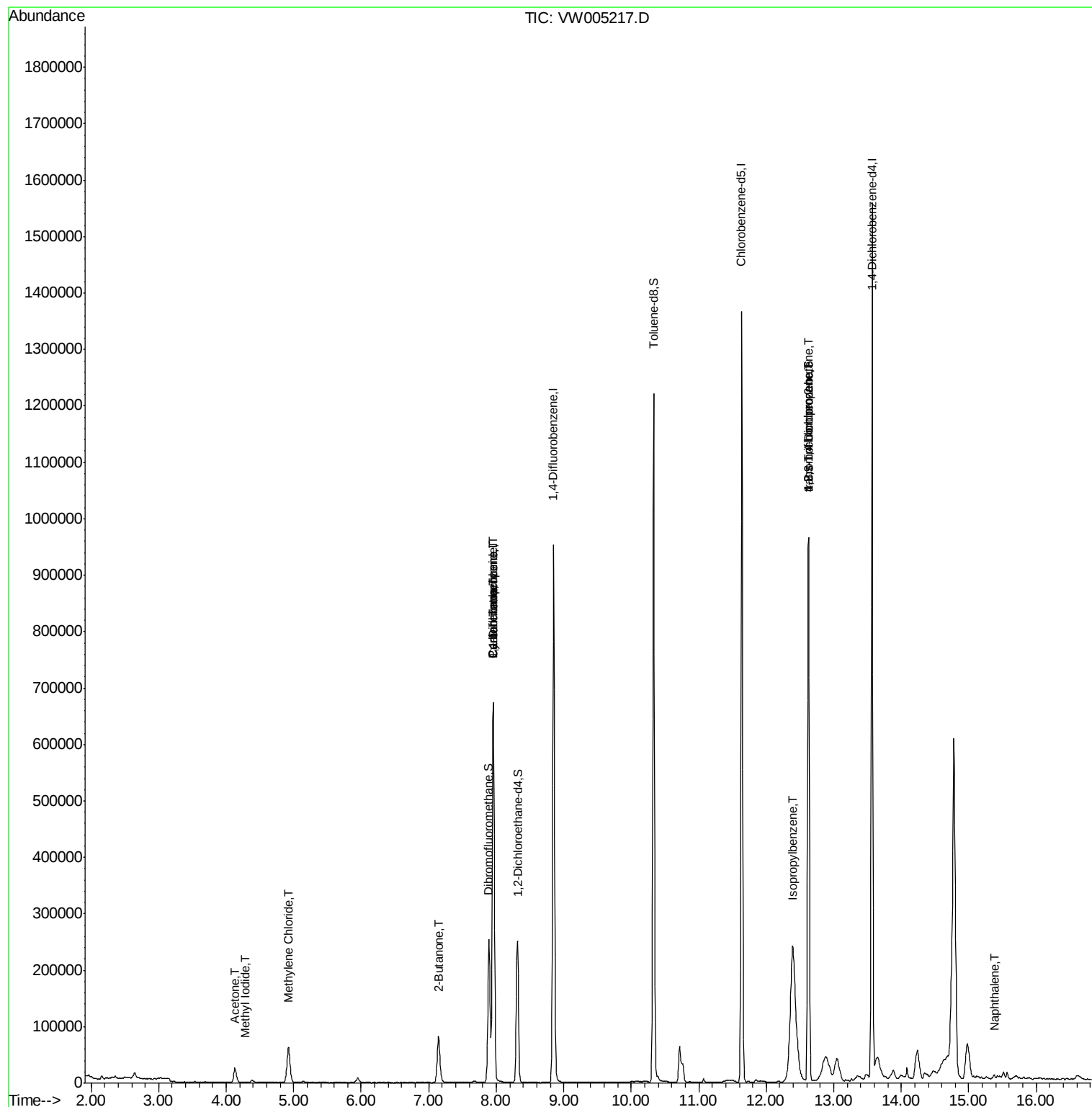
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.76	94	601	Below Cal	#	80
10) Methyl Iodide	4.28	142	131	3.836	ug/l #	44
11) Tert butyl alcohol	5.16	59	1408	Below Cal	#	77
16) Acetone	4.13	43	44674	49.092	ug/l	95
20) Methylene Chloride	4.92	84	52259	4.997	ug/l	98
25) 2-Butanone	7.15	43	3692	2.339	ug/l #	81
31) Cyclohexane	7.96	56	8919	1.001	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	36494	4.487	ug/l #	47
38) Carbon Tetrachloride	7.96	117	49021	6.339	ug/l #	17
73) Isopropylbenzene	12.39	105	77420	2.602	ug/l #	60
76) 1,2,3-Trichloropropane	12.62	75	149900	47.318	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	149900	113.889	ug/l #	14
95) Naphthalene	15.38	128	4898	4.276	ug/l #	92

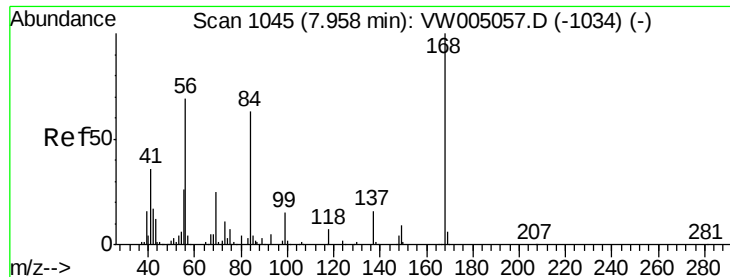
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090718\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005217.D

Acq: 07 Sep 2018 18:41

Instrument :

MSVOA_W

ClientSampleId :

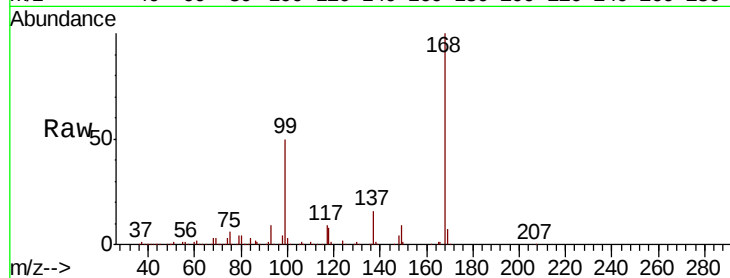
CHRT-26957

Tgt Ion:168 Resp: 547385

Ion Ratio Lower Upper

168 100

99 49.8 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

250000

200000

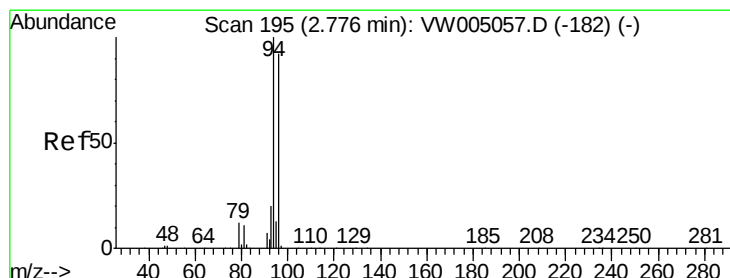
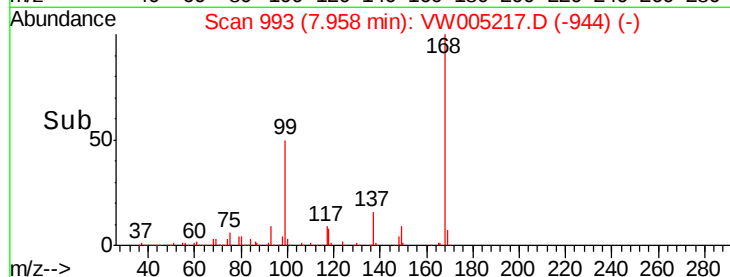
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 140

Delta R.T. -0.02 min

Lab File: VW005217.D

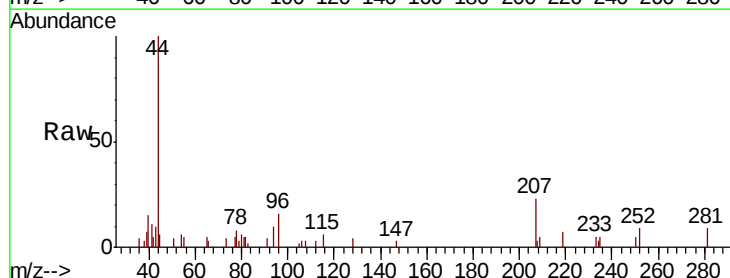
Acq: 07 Sep 2018 18:41

Tgt Ion: 94 Resp: 601

Ion Ratio Lower Upper

94 100

96 110.9 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

400

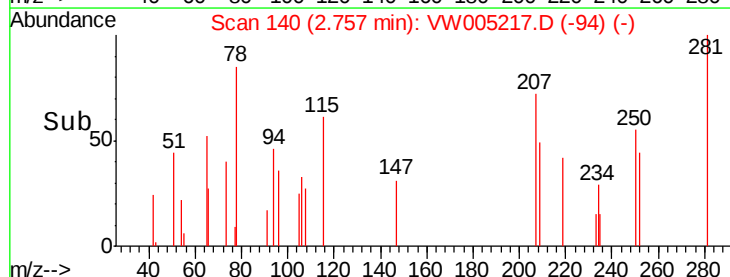
300

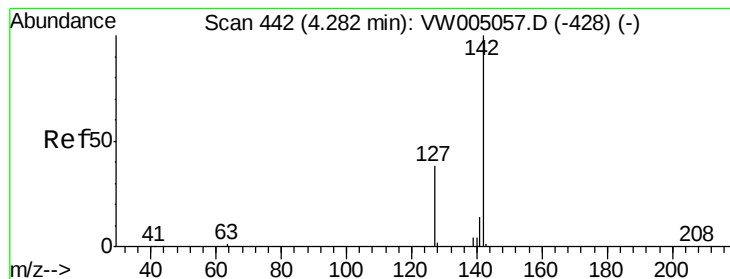
200

100

0

Time--> 2.70 2.75 2.80





#10

Methyl Iodide

Concen: 3.836 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.00 min

Lab File: VW005217.D

Acq: 07 Sep 2018 18:41

Instrument :

MSVOA_W

ClientSampleId :

CHRT-26957

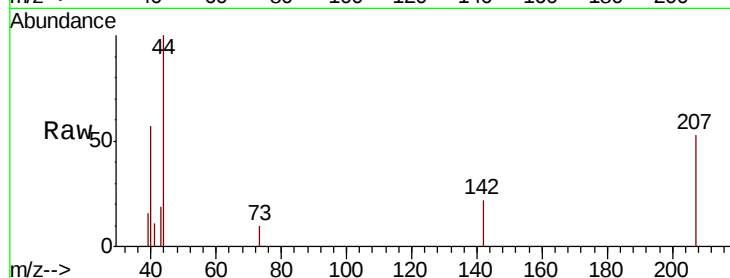
Tgt Ion: 142 Resp: 131

Ion Ratio Lower Upper

142 100

127 0.0 30.8 46.2#

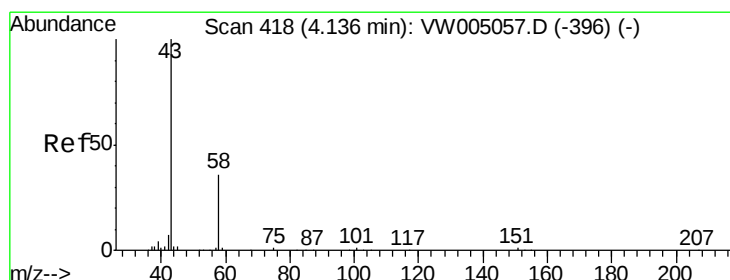
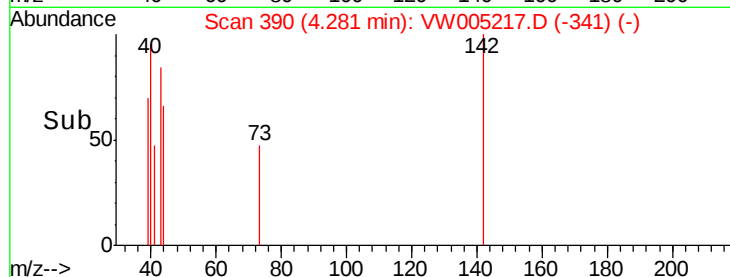
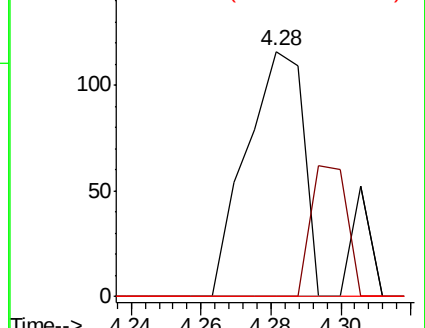
141 0.0 11.6 17.4#



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



#16

Acetone

Concen: 49.092 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW005217.D

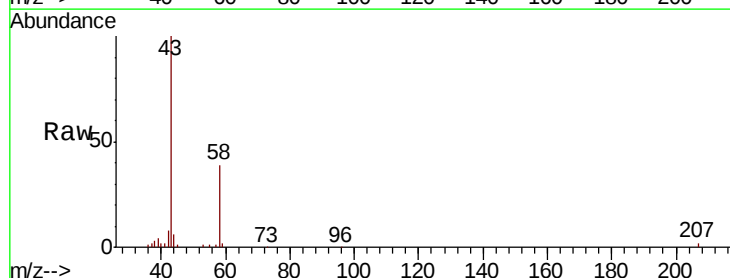
Acq: 07 Sep 2018 18:41

Tgt Ion: 43 Resp: 44674

Ion Ratio Lower Upper

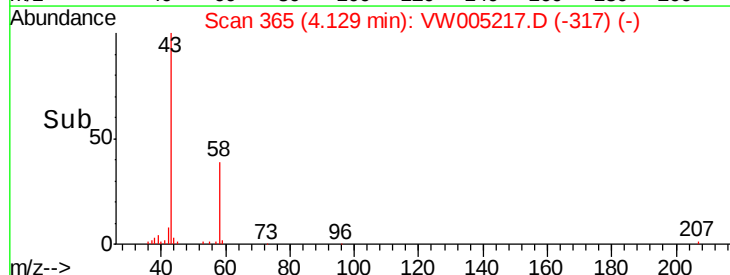
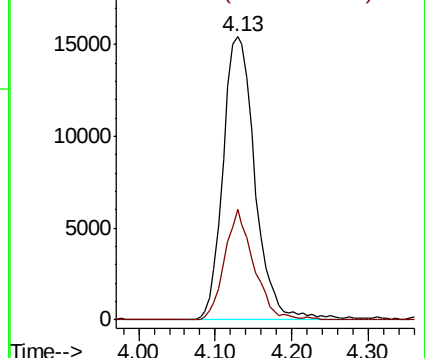
43 100

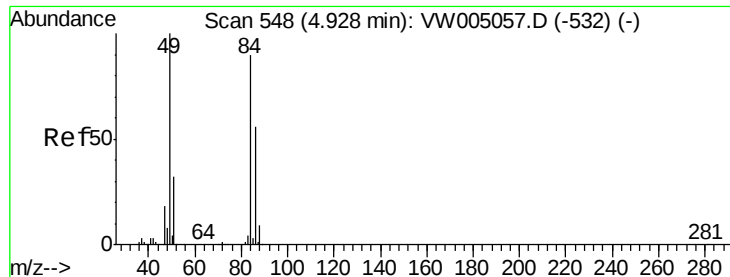
58 39.3 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

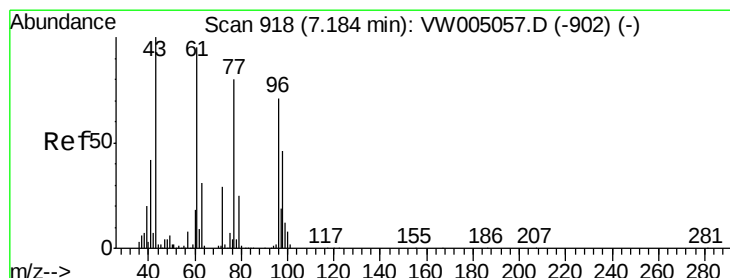
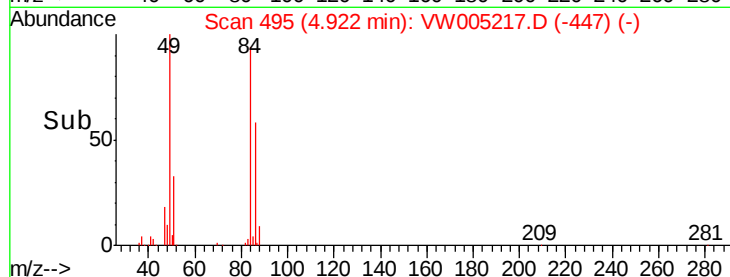
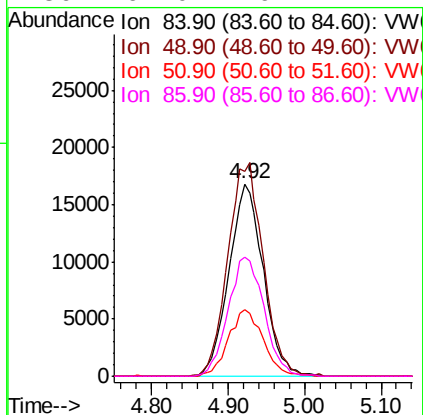
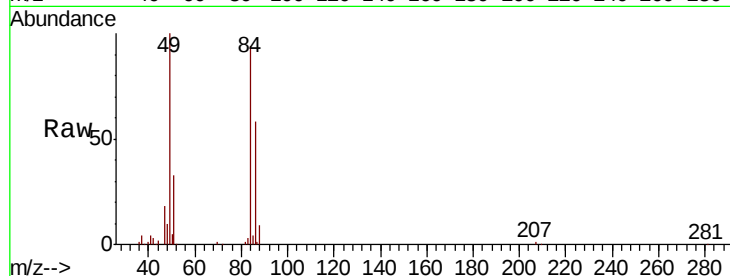




#20
Methylene Chloride
Concen: 4.997 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005217.D
Acq: 07 Sep 2018 18:41

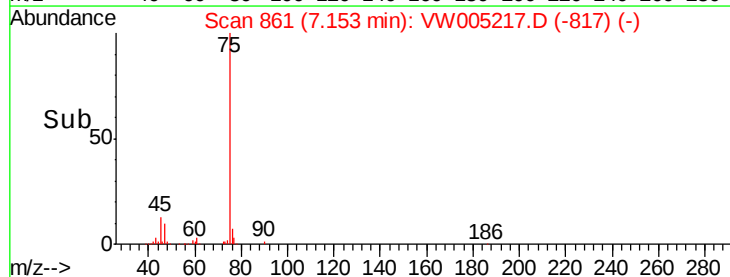
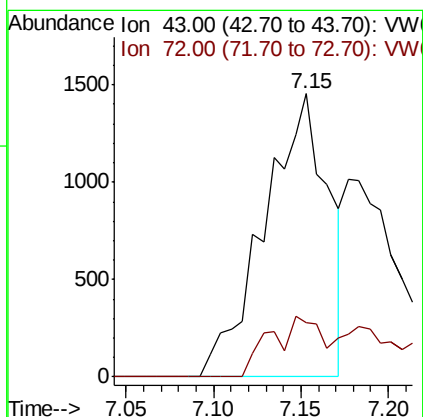
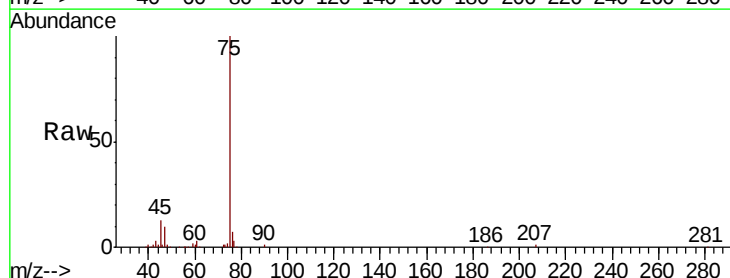
Instrument :
MSVOA_W
ClientSampled :
CHRT-26957

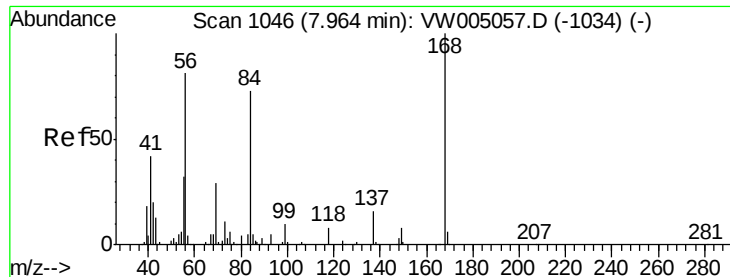
Tgt Ion:	84	Resp:	52259
Ion	Ratio	Lower	Upper
84	100		
49	106.7	88.7	133.1
51	34.9	28.6	42.8
86	62.0	49.4	74.2



#25
2-Butanone
Concen: 2.339 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.03 min
Lab File: VW005217.D
Acq: 07 Sep 2018 18:41

Tgt Ion:	43	Resp:	3692
Ion	Ratio	Lower	Upper
43	100		
72	19.0	23.1	34.7#

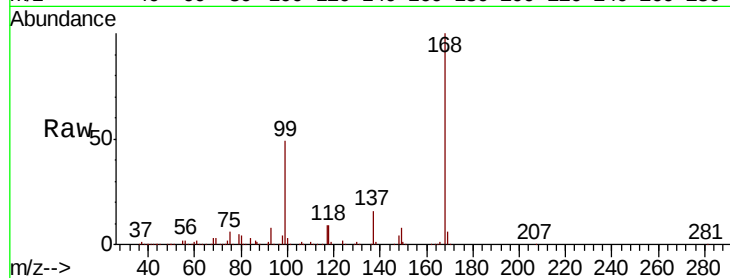




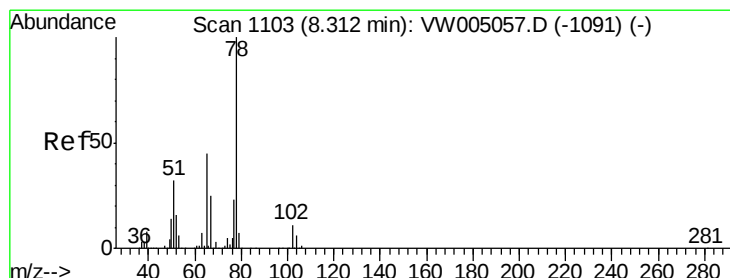
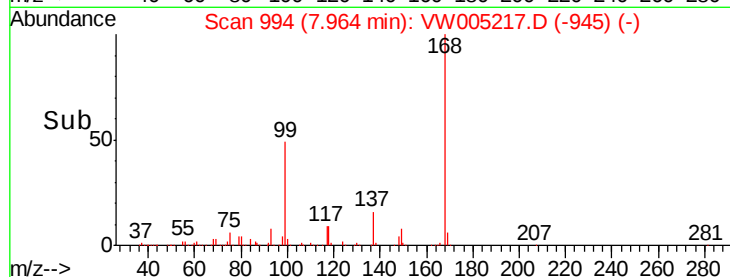
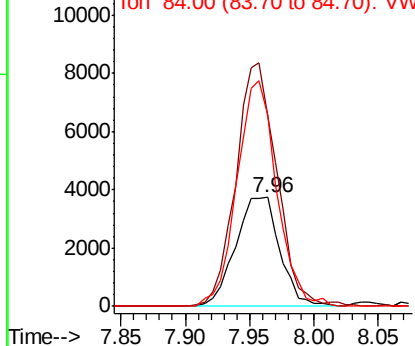
#31
Cyclohexane
Concen: 1.001 ug/l
RT: 7.96 min Scan# 994
Delta R.T. -0.00 min
Lab File: VW005217.D
Acq: 07 Sep 2018 18:41

Instrument :
MSVOA_W
ClientSampleId :
CHRT-26957

Tgt Ion: 56 Resp: 8919
Ion Ratio Lower Upper
56 100
69 174.9 28.2 42.2#
84 176.0 71.8 107.8#

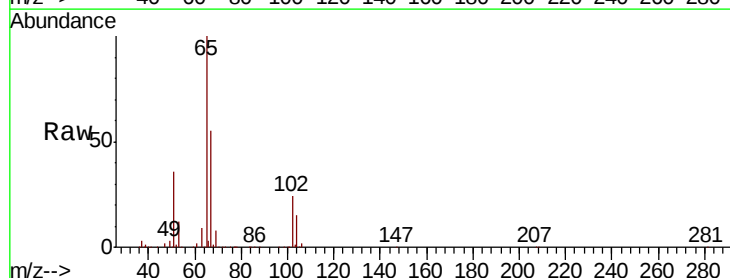


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

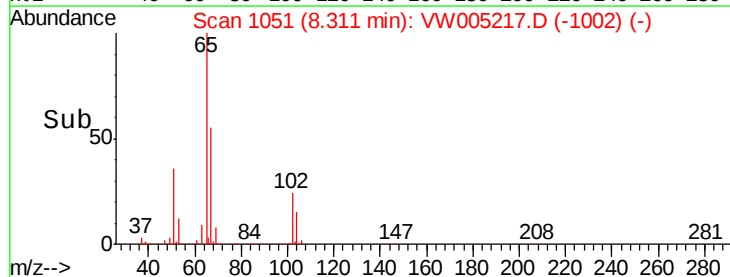
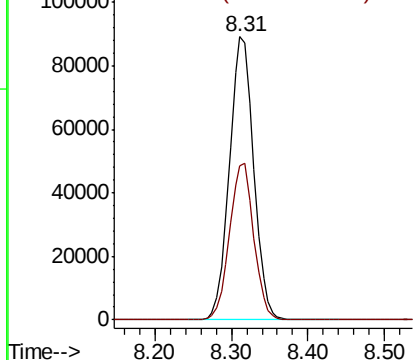


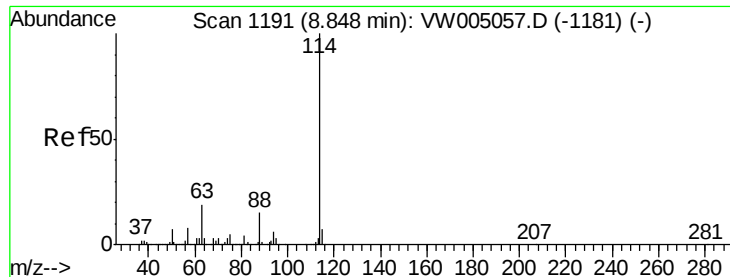
#33
1,2-Dichloroethane-d4
Concen: 43.046 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005217.D
Acq: 07 Sep 2018 18:41

Tgt Ion: 65 Resp: 195325
Ion Ratio Lower Upper
65 100
67 55.2 0.0 109.4



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

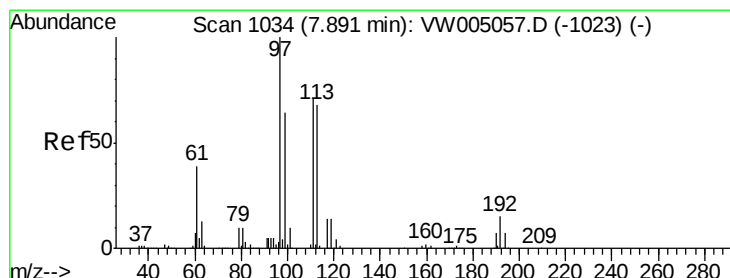
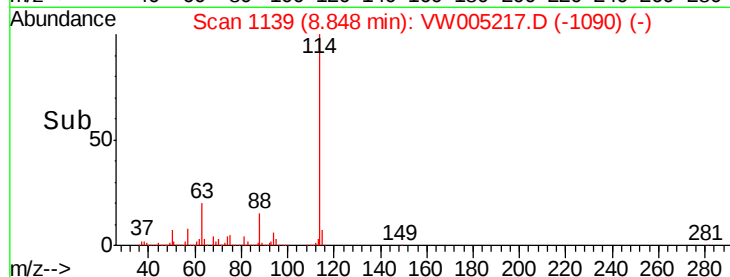
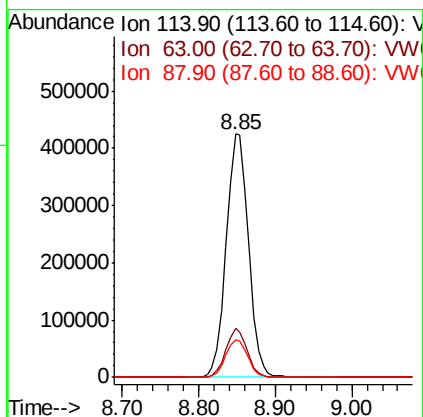
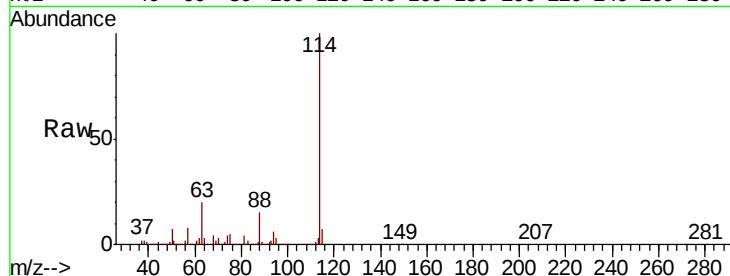




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005217.D
 Acq: 07 Sep 2018 18:41

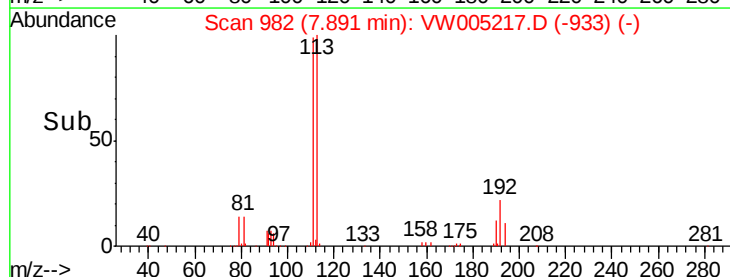
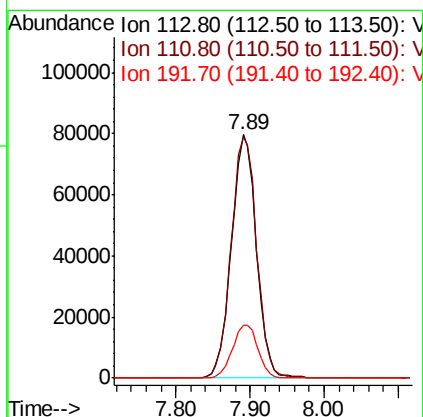
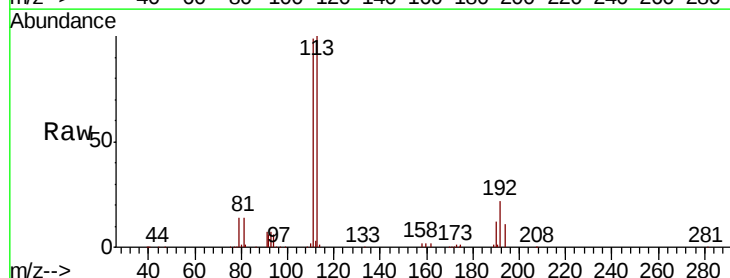
Instrument :
 MSVOA_W
 ClientSampleId :
 CHRT-26957

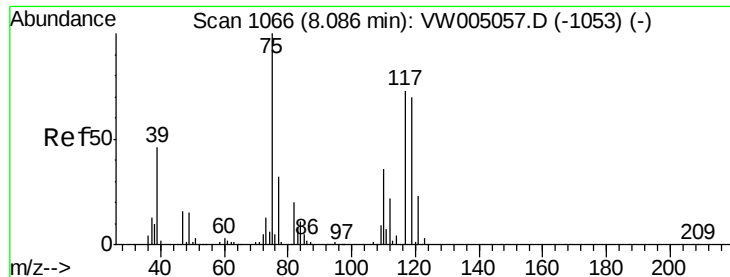
Tgt Ion:114 Resp: 853982
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.0
 88 15.5 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 37.810 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005217.D
 Acq: 07 Sep 2018 18:41

Tgt Ion:113 Resp: 186592
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.2 123.2
 192 22.4 18.1 27.1

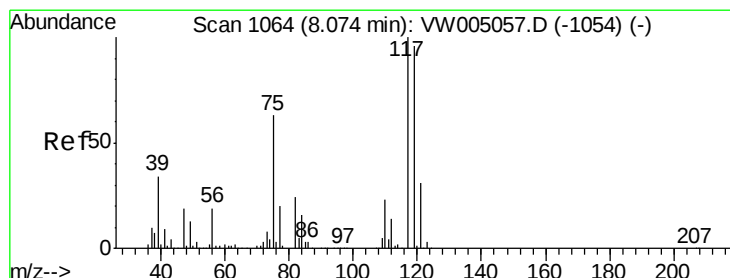
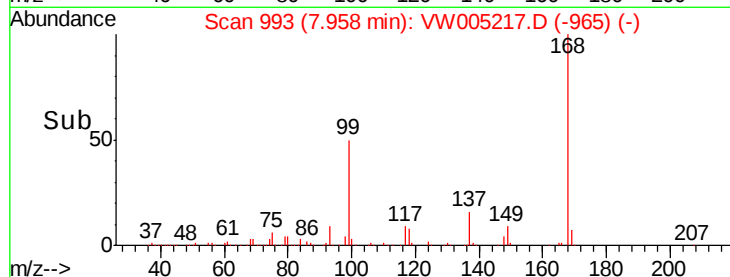
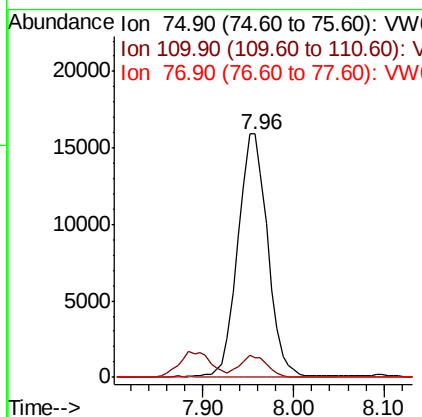
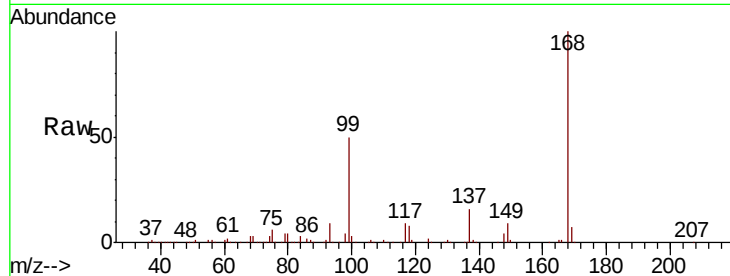




#36
 1,1-Dichloropropene
 Concen: 4.487 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005217.D
 Acq: 07 Sep 2018 18:41

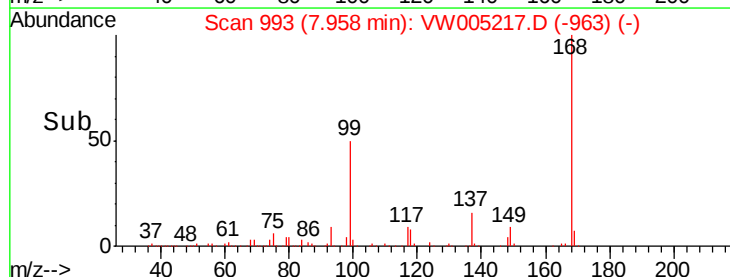
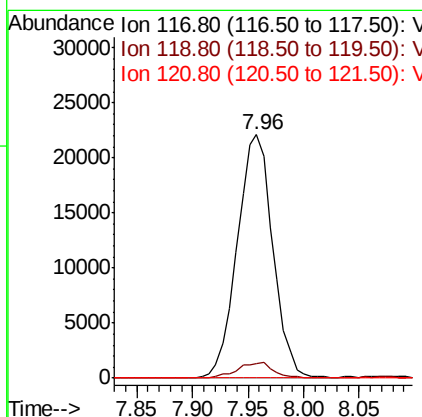
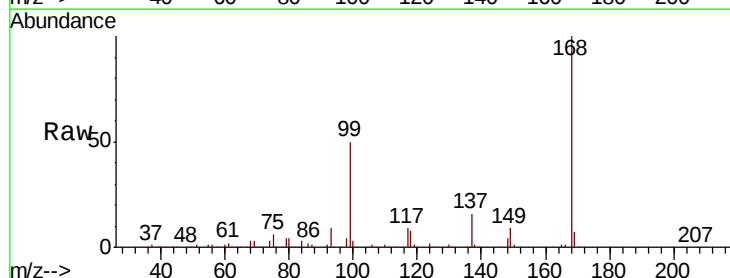
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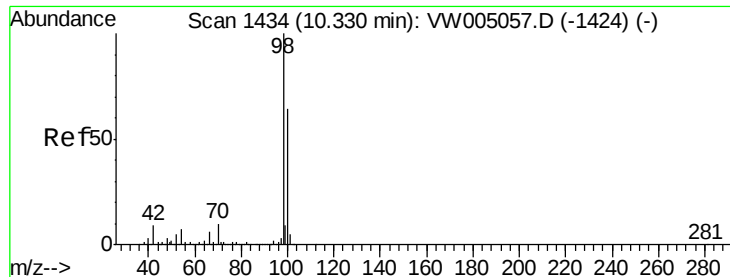
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.9	56.7#
77	0.0	25.5	38.3#



#38
 Carbon Tetrachloride
 Concen: 6.339 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005217.D
 Acq: 07 Sep 2018 18:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	76.6	115.0#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 37.134 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005217.D

Acq: 07 Sep 2018 18:41

Instrument :

MSVOA_W

ClientSampleId :

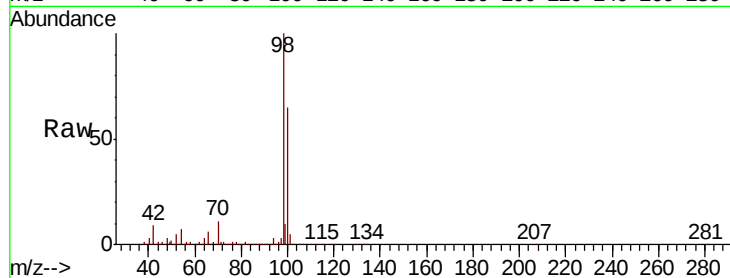
CHRT-26957

Tgt Ion: 98 Resp: 844416

Ion Ratio Lower Upper

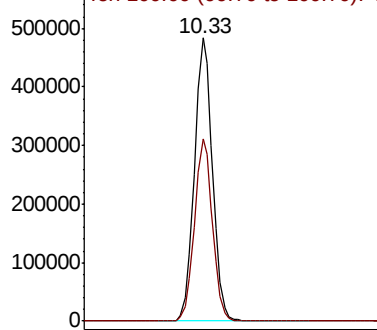
98 100

100 64.2 51.7 77.5

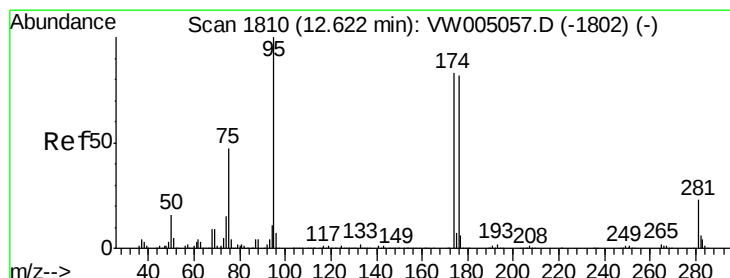
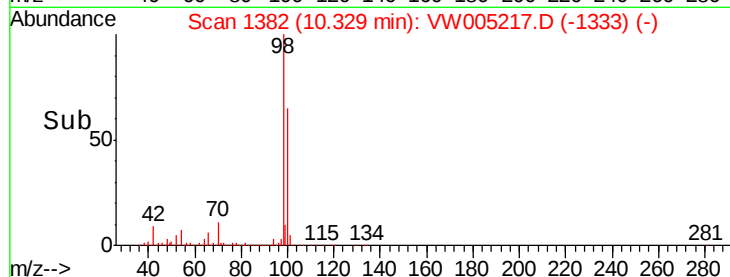


Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time-->



#62

4-Bromofluorobenzene

Concen: 40.512 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005217.D

Acq: 07 Sep 2018 18:41

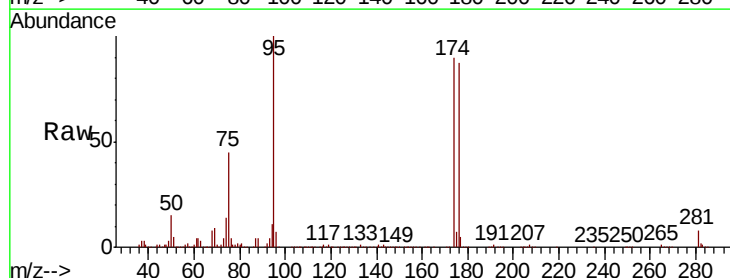
Tgt Ion: 95 Resp: 324836

Ion Ratio Lower Upper

95 100

174 86.5 0.0 173.4

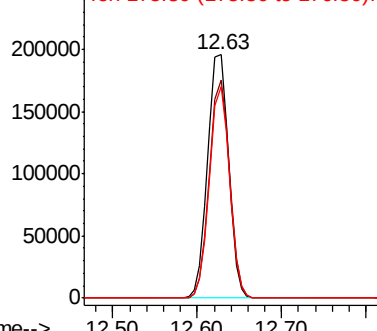
176 83.5 0.0 167.4



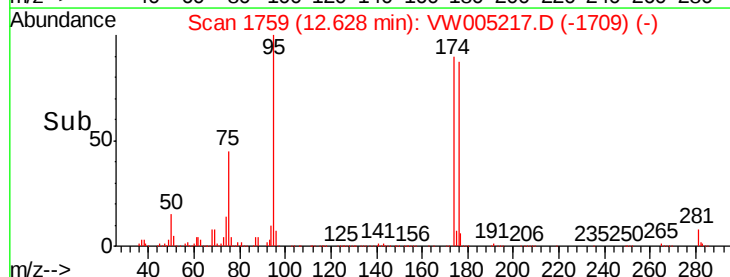
Abundance Ion 94.90 (94.60 to 95.60): VW

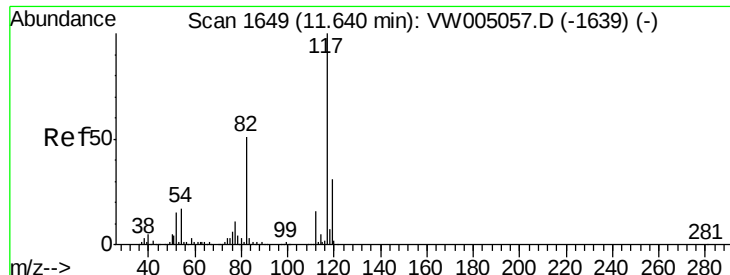
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

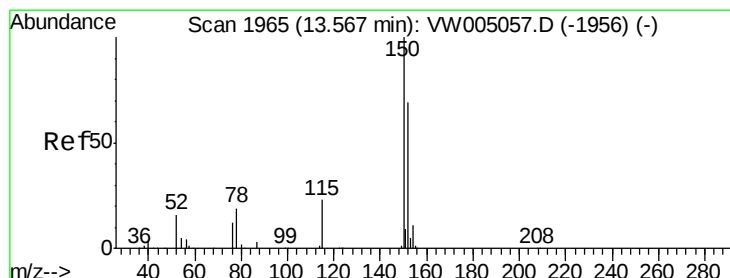
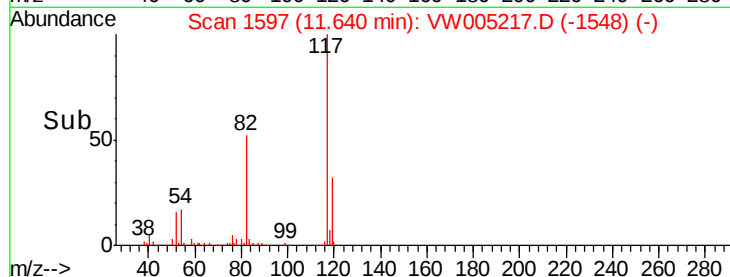
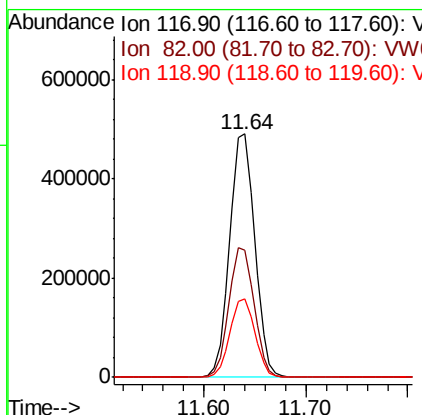
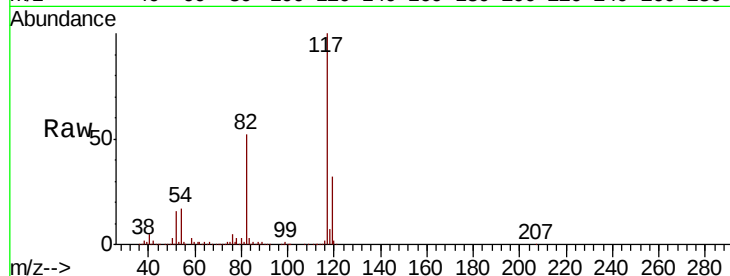




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005217.D
Acq: 07 Sep 2018 18:41

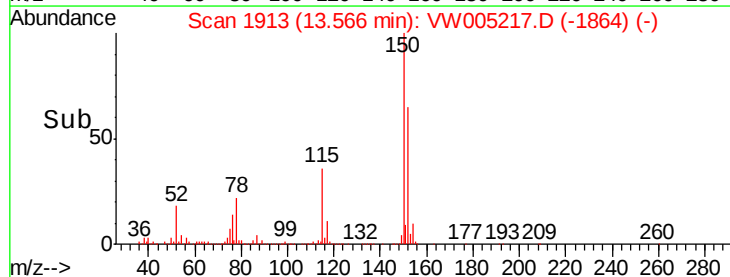
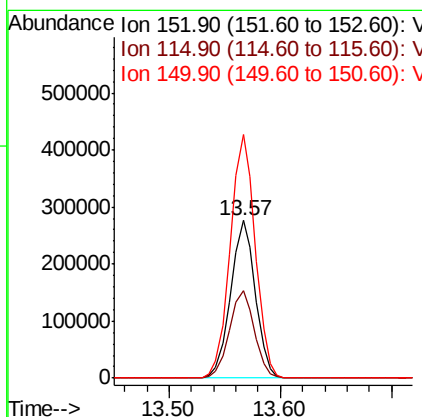
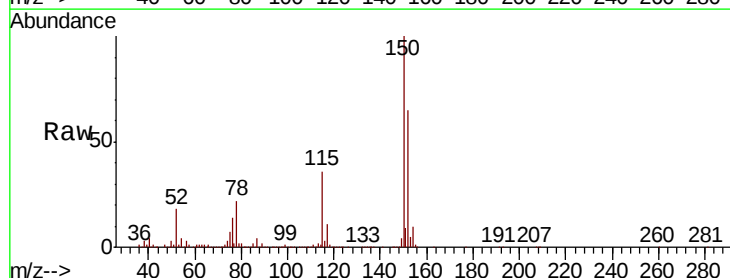
Instrument :
MSVOA_W
ClientSampleId :
CHRT-26957

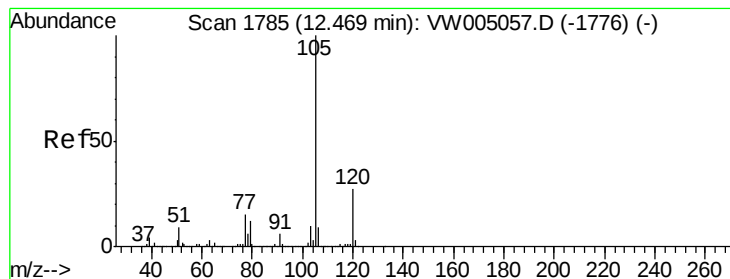
Tgt Ion:117 Resp: 832525
Ion Ratio Lower Upper
117 100
82 52.3 40.9 61.3
119 32.4 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005217.D
Acq: 07 Sep 2018 18:41

Tgt Ion:152 Resp: 422040
Ion Ratio Lower Upper
152 100
115 56.3 27.8 83.4
150 156.9 0.0 351.4





#73

Isopropylbenzene

Concen: 2.602 ug/l

RT: 12.39 min Scan# 1720

Delta R.T. -0.08 min

Lab File: VW005217.D

Acq: 07 Sep 2018 18:41

Instrument :

MSVOA_W

ClientSampleId :

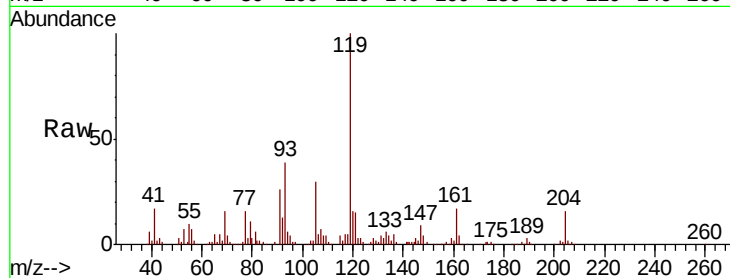
CHRT-26957

Tgt Ion: 105 Resp: 77420

Ion Ratio Lower Upper

105 100

120 47.2 13.4 40.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.39

15000

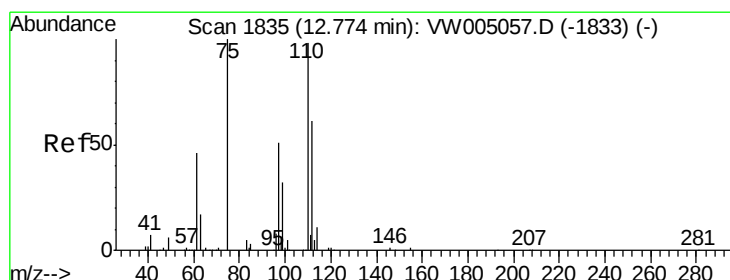
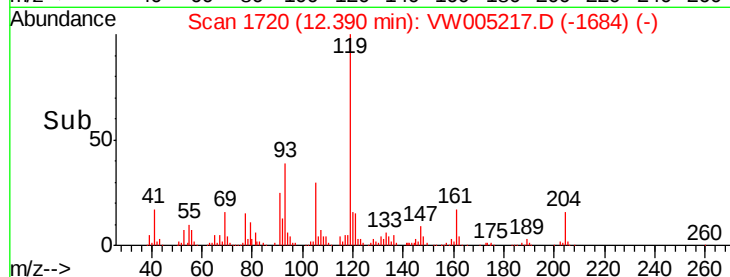
10000

5000

0

Time-->

12.20 12.40 12.60



#76

1,2,3-Trichloropropane

Concen: 47.318 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005217.D

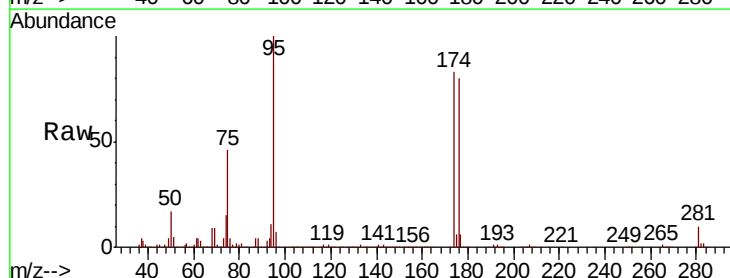
Acq: 07 Sep 2018 18:41

Tgt Ion: 75 Resp: 149900

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

100000

80000

60000

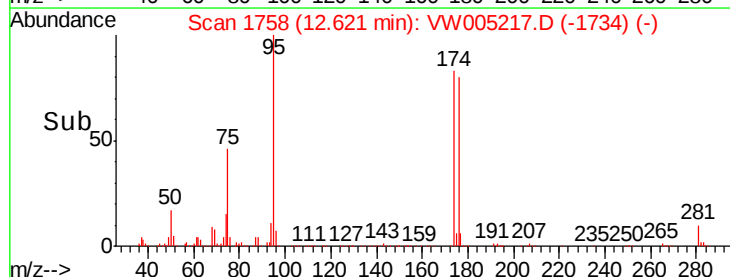
40000

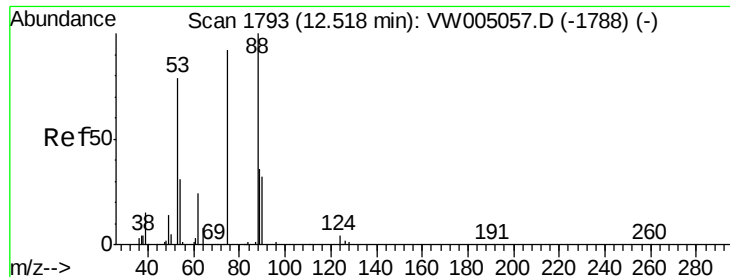
20000

0

Time-->

12.60 12.70





#81

trans-1,4-Dichloro-2-butene

Concen: 113.889 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005217.D

Acq: 07 Sep 2018 18:41

Instrument :

MSVOA_W

ClientSampleId :

CHRT-26957

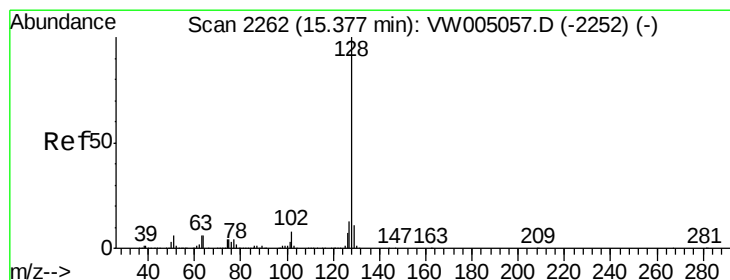
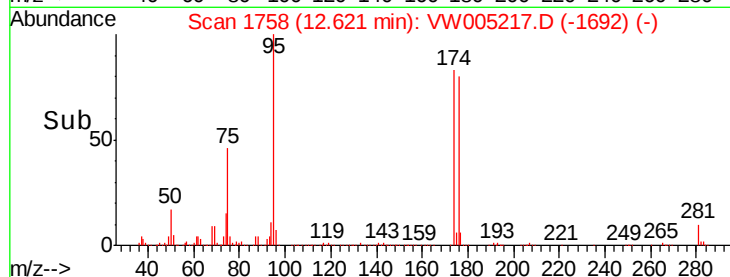
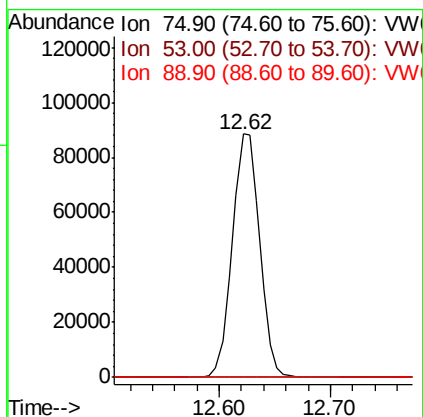
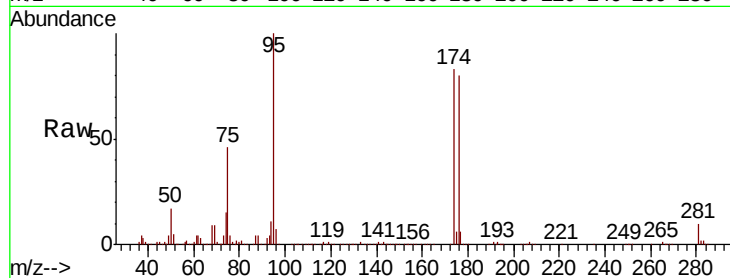
Tgt Ion: 75 Resp: 149900

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 36.0 54.0#



#95

Naphthalene

Concen: 4.276 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005217.D

Acq: 07 Sep 2018 18:41

Tgt Ion: 128 Resp: 4898

Ion Ratio Lower Upper

128 100

127 15.9 10.4 15.6#

129 13.9 8.7 13.1#

