

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090618\
 Data File : VW005189.D
 Acq On : 07 Sep 2018 04:13
 Operator : SY/AP
 Sample : J4801-01
 Misc : 5.61G/5ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CHRT-26957

Quant Time: Sep 07 08:05:19 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	399371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	623978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	582533	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	305052	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	217738	65.77	ug/l	0.00
Spiked Amount			Recovery	=	131.54%	
35) Dibromofluoromethane	7.89	113	202809	56.24	ug/l	0.00
Spiked Amount			Recovery	=	112.48%	
50) Toluene-d8	10.33	98	732445	44.08	ug/l	0.00
Spiked Amount			Recovery	=	88.16%	
62) 4-Bromofluorobenzene	12.62	95	293406	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	

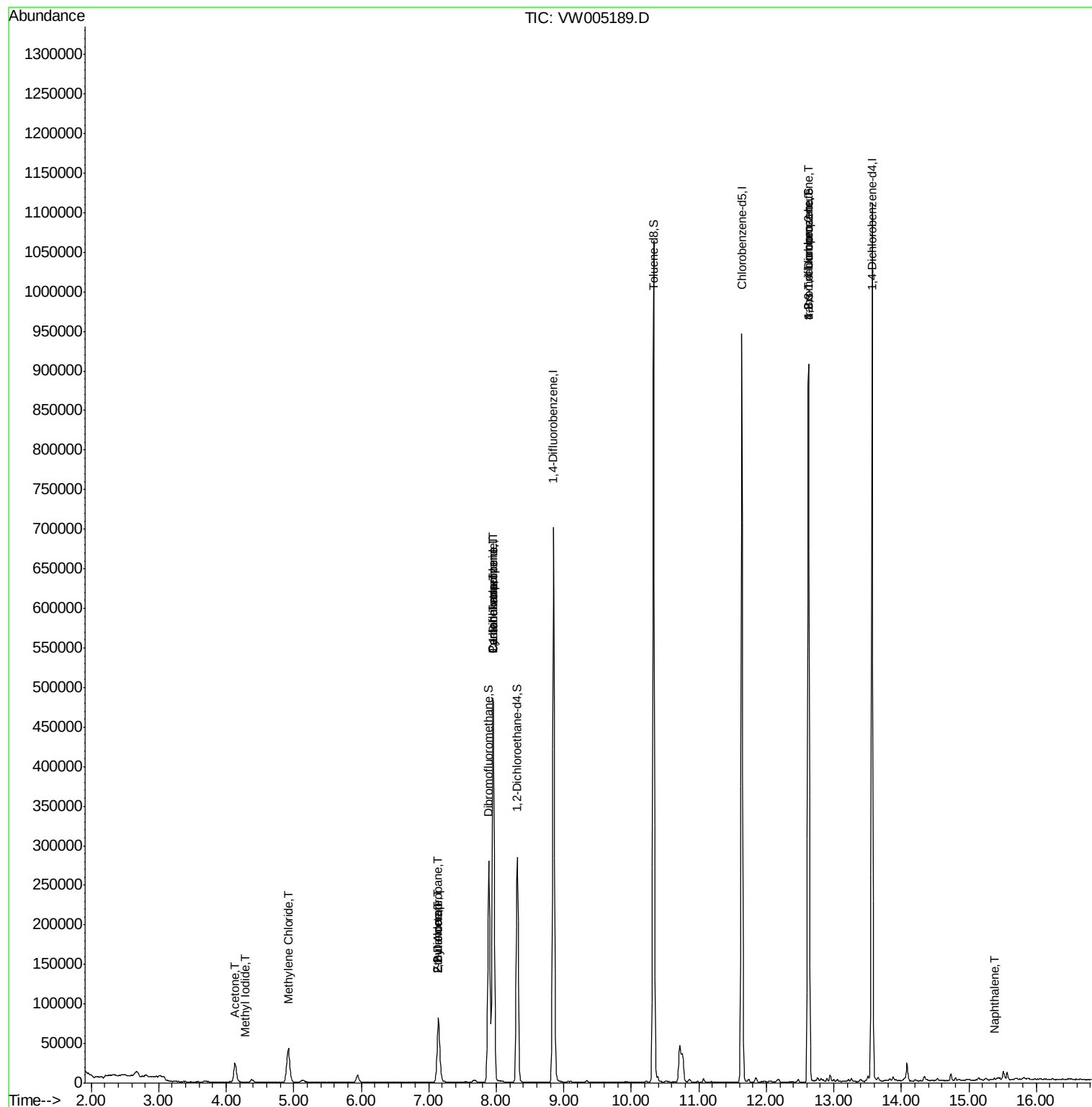
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.76	94	798	Below Cal	#	71
10) Methyl Iodide	4.28	142	143	3.844	ug/l #	44
11) Tert butyl alcohol	5.13	59	2604	Below Cal	#	72
16) Acetone	4.13	43	44076	66.386	ug/l	95
20) Methylene Chloride	4.92	84	36144	4.517	ug/l	98
25) 2-Butanone	7.15	43	3761	3.266	ug/l #	67
26) 2,2-Dichloropropane	7.14	77	6178	1.132	ug/l #	51
31) Cyclohexane	7.95	56	7467	1.148	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	26508	4.461	ug/l #	40
37) Ethyl Acetate	7.15	43	3761	1.692	ug/l #	1
38) Carbon Tetrachloride	7.96	117	35471	6.277	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	136075	59.427	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	136075	143.034	ug/l #	15
95) Naphthalene	15.37	128	1983	4.145	ug/l	97

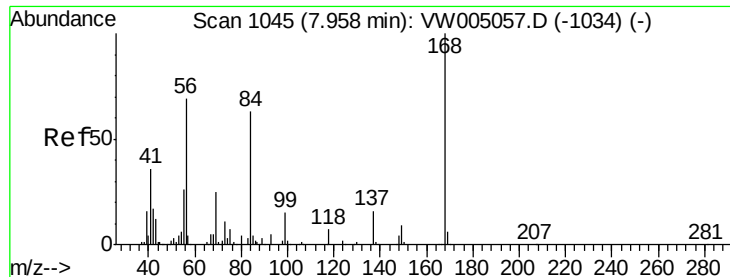
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005189.D

Acq: 07 Sep 2018 04:13

Instrument :

MSVOA_W

ClientSampleId :

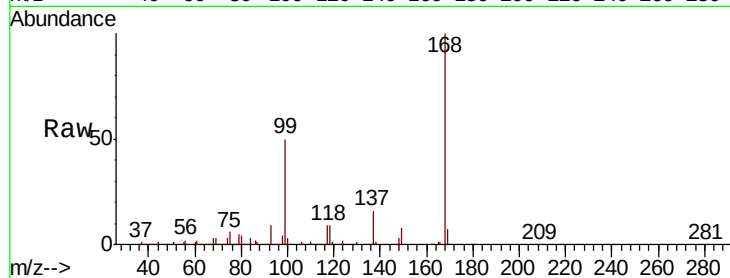
CHRT-26957

Tgt Ion:168 Resp: 399371

Ion Ratio Lower Upper

168 100

99 49.7 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

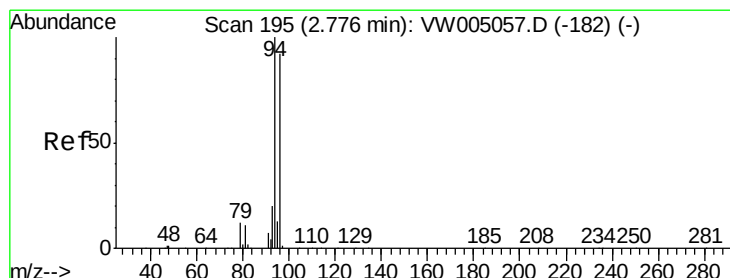
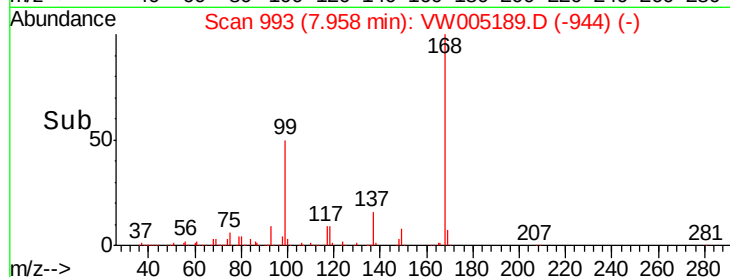
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW005189.D

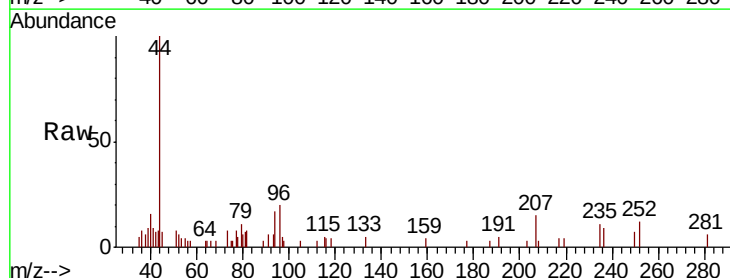
Acq: 07 Sep 2018 04:13

Tgt Ion: 94 Resp: 798

Ion Ratio Lower Upper

94 100

96 63.7 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

500

400

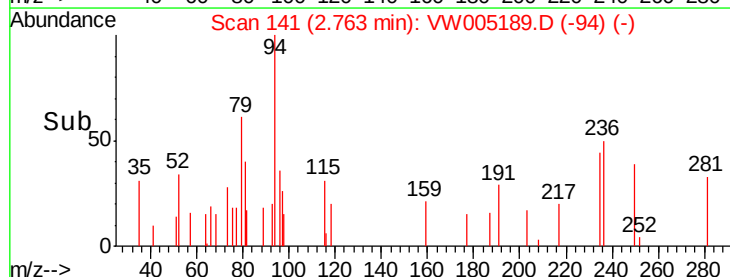
300

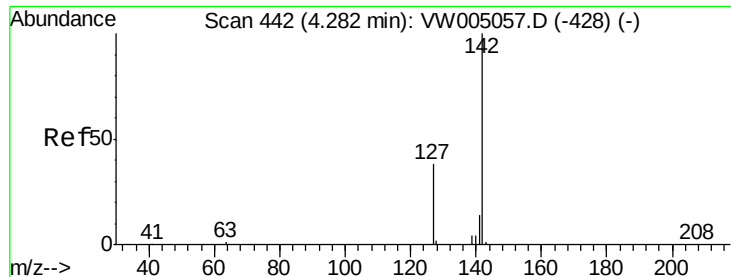
200

100

0

Time--> 2.70 2.75 2.80

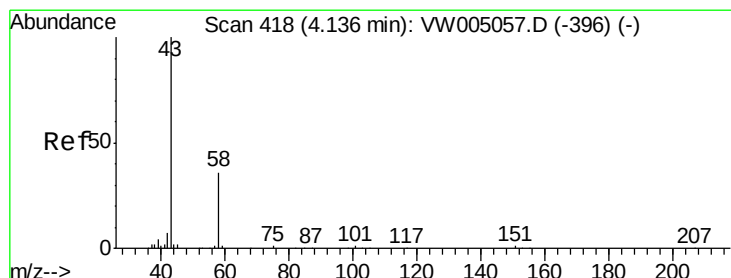
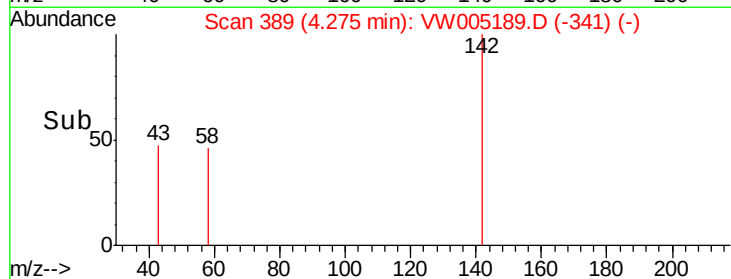
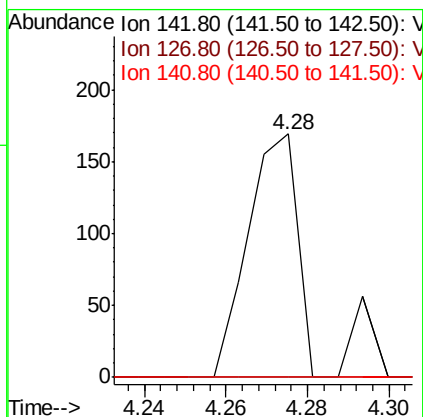
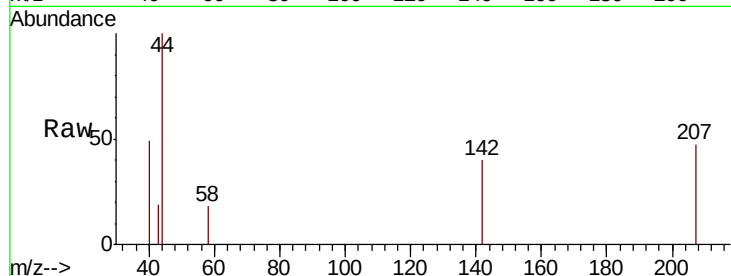




#10
Methyl Iodide
Concen: 3.844 ug/l
RT: 4.28 min Scan# 389
Delta R.T. -0.01 min
Lab File: VW005189.D
Acq: 07 Sep 2018 04:13

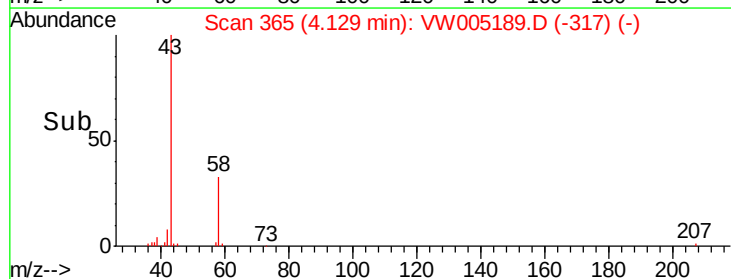
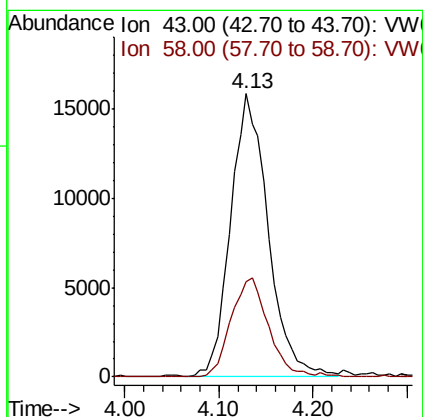
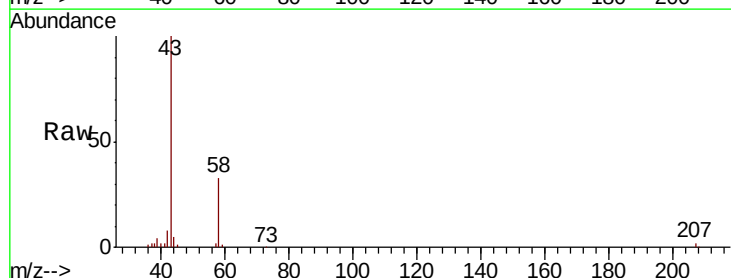
Instrument :
MSVOA_W
ClientSampleId :
CHRT-26957

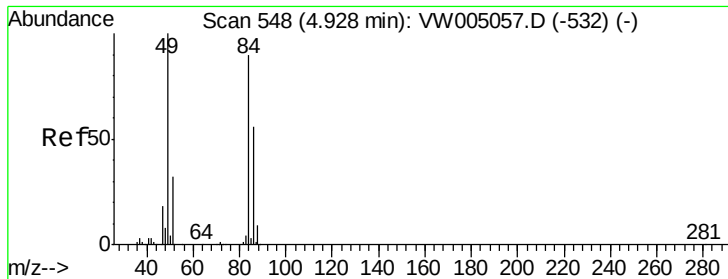
Tgt Ion: 142 Resp: 143
Ion Ratio Lower Upper
142 100
127 0.0 30.8 46.2#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 66.386 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.01 min
Lab File: VW005189.D
Acq: 07 Sep 2018 04:13

Tgt Ion: 43 Resp: 44076
Ion Ratio Lower Upper
43 100
58 33.5 29.0 43.6

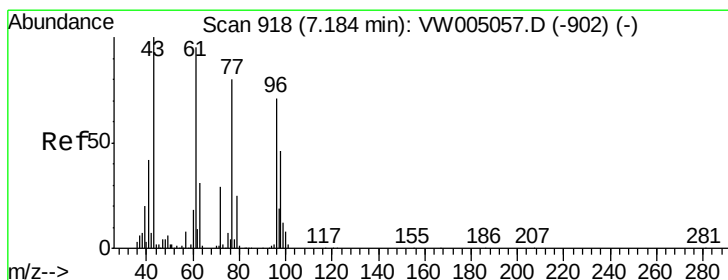
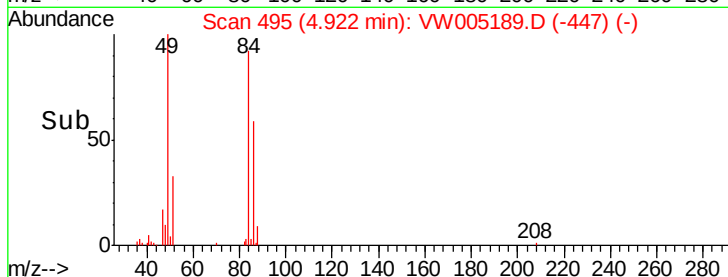
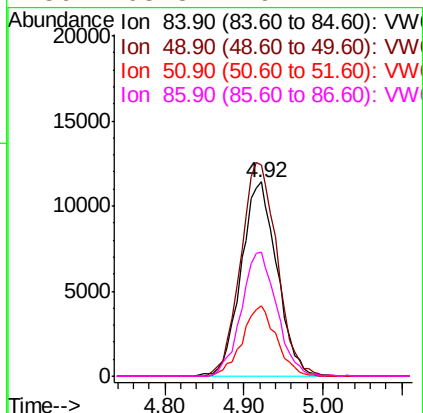
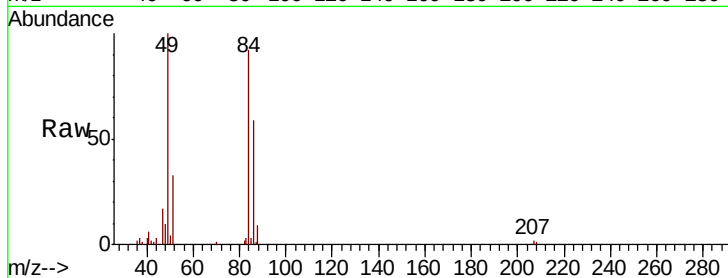




#20
Methylene Chloride
Concen: 4.517 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005189.D
Acq: 07 Sep 2018 04:13

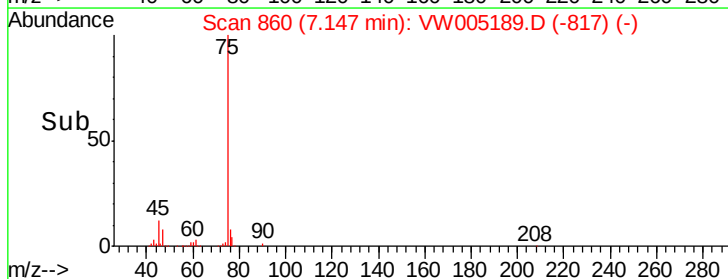
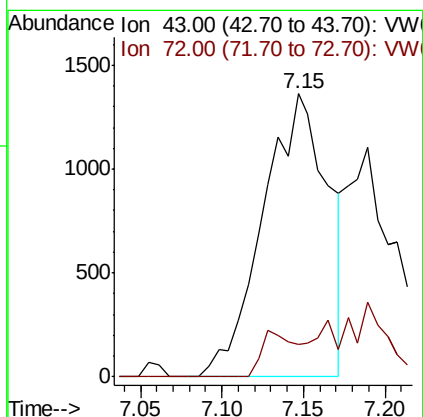
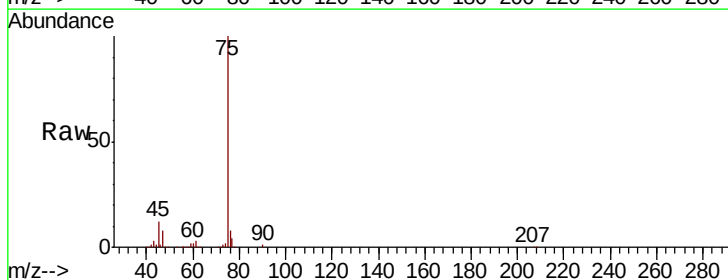
Instrument :
MSVOA_W
ClientSampleId :
CHRT-26957

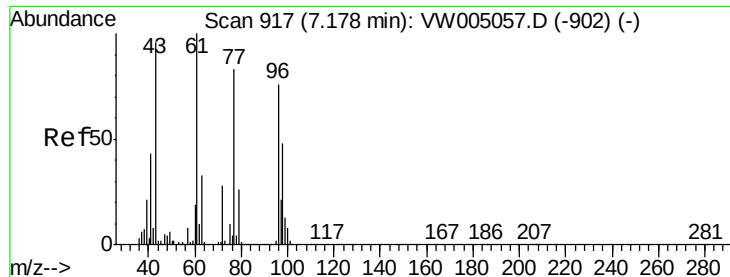
Tgt Ion:	84	Resp:	36144
Ion	Ratio	Lower	Upper
84	100		
49	108.8	88.7	133.1
51	36.3	28.6	42.8
86	63.8	49.4	74.2



#25
2-Butanone
Concen: 3.266 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.04 min
Lab File: VW005189.D
Acq: 07 Sep 2018 04:13

Tgt Ion:	43	Resp:	3761
Ion	Ratio	Lower	Upper
43	100		
72	11.5	23.1	34.7#

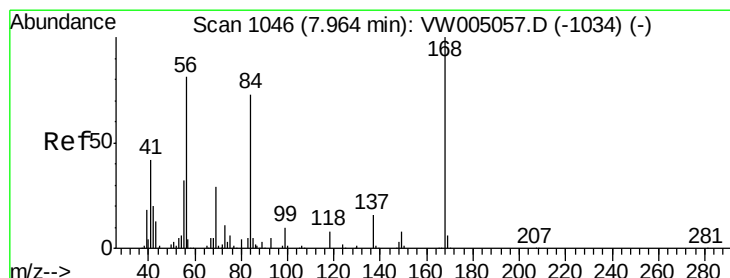
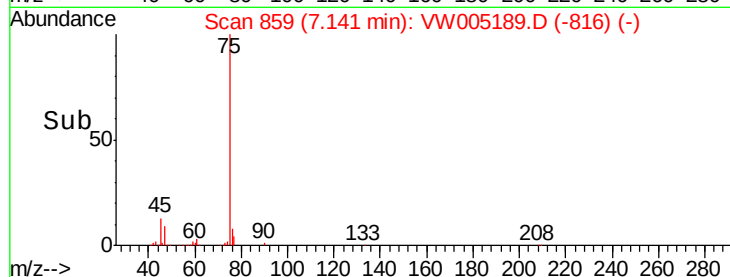
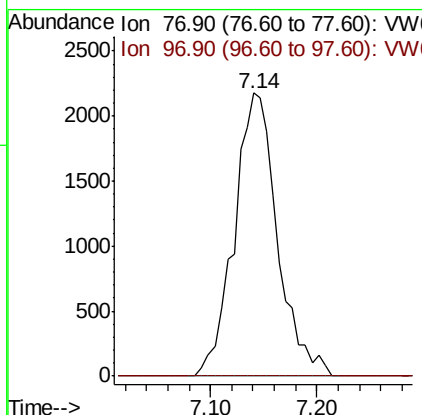
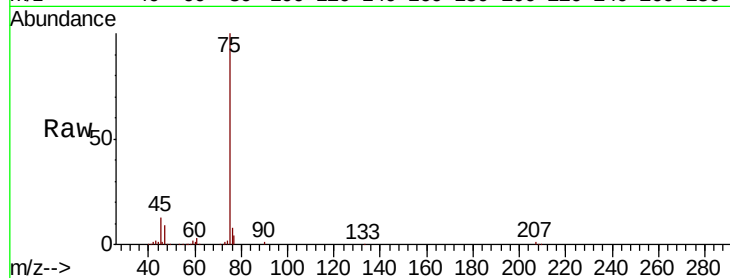




#26
 2,2-Dichloropropane
 Concen: 1.132 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.04 min
 Lab File: VW005189.D
 Acq: 07 Sep 2018 04:13

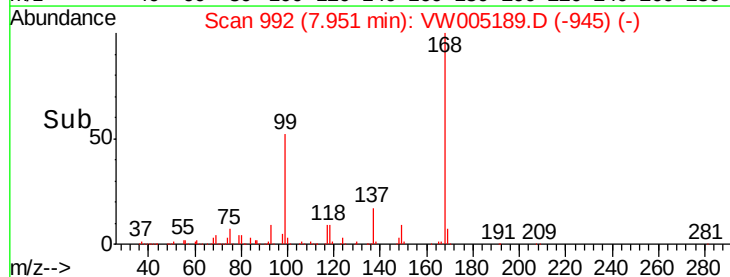
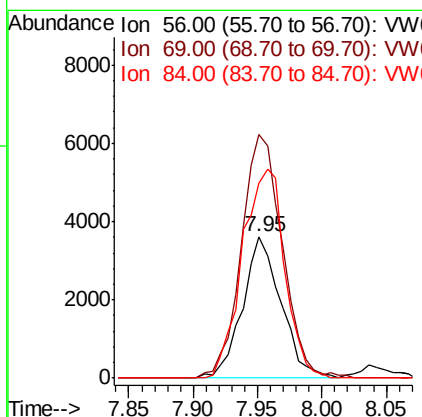
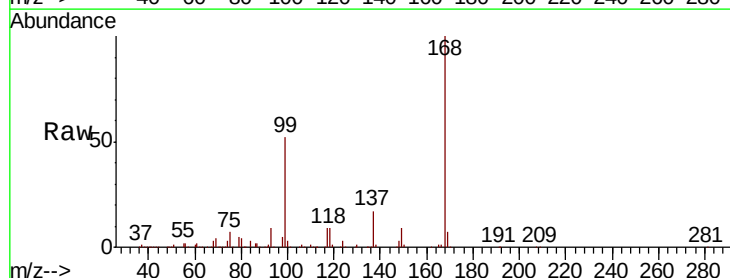
Instrument :
 MSVOA_W
 ClientSampleId :
 CHRT-26957

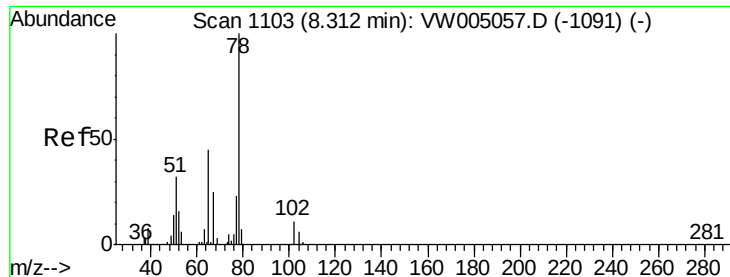
Tgt Ion: 77 Resp: 6178
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.2 36.6#



#31
 Cyclohexane
 Concen: 1.148 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VW005189.D
 Acq: 07 Sep 2018 04:13

Tgt Ion: 56 Resp: 7467
 Ion Ratio Lower Upper
 56 100
 69 171.7 28.2 42.2#
 84 137.7 71.8 107.8#

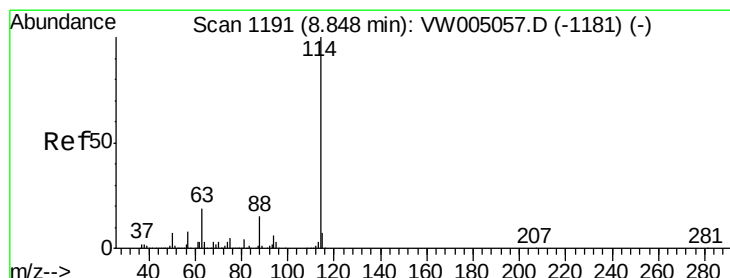
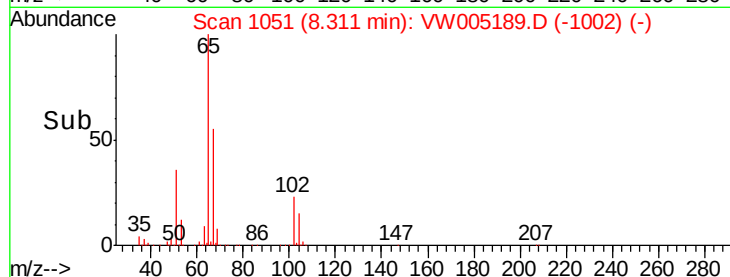
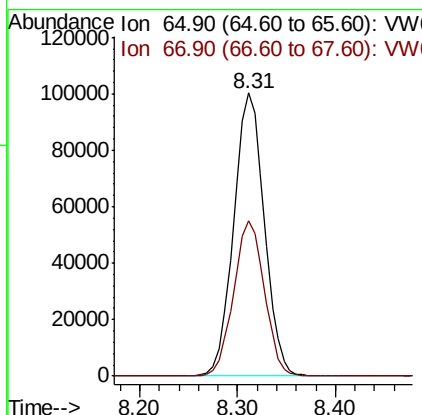
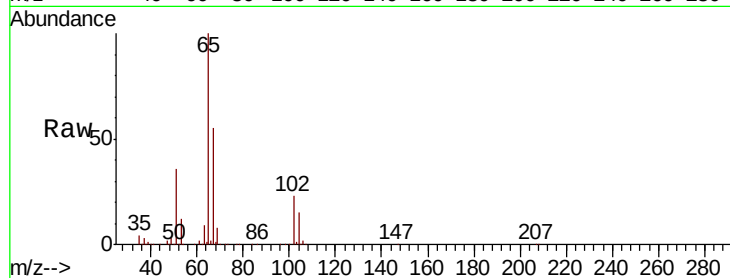




#33
 1,2-Dichloroethane-d4
 Concen: 65.770 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005189.D
 Acq: 07 Sep 2018 04:13

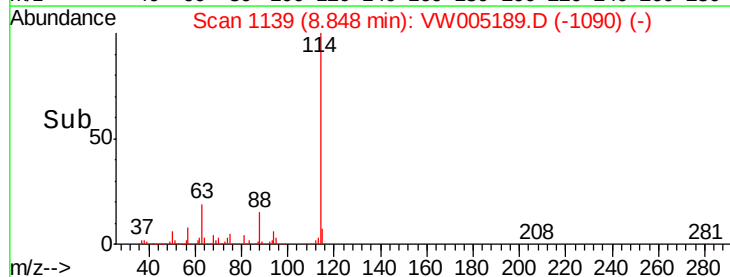
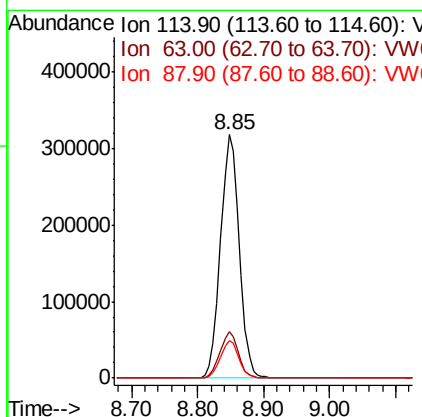
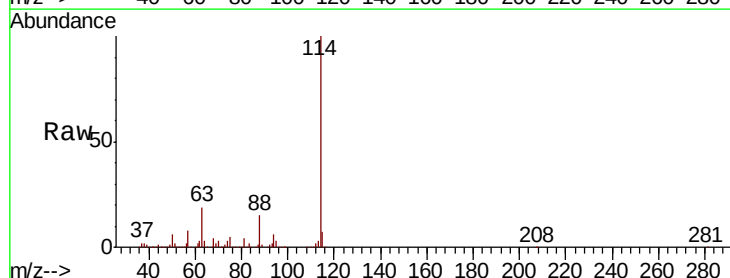
Instrument :
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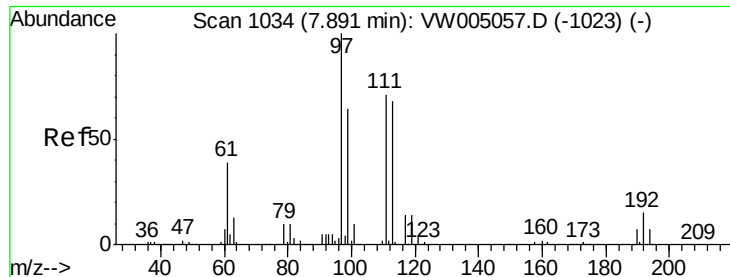
Tgt Ion: 65 Resp: 217738
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005189.D
 Acq: 07 Sep 2018 04:13

Tgt Ion: 114 Resp: 623978
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.0
 88 15.2 0.0 30.2

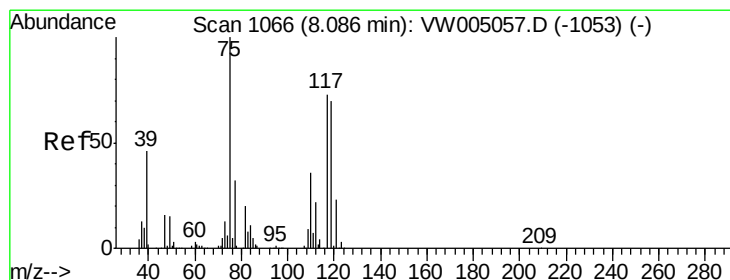
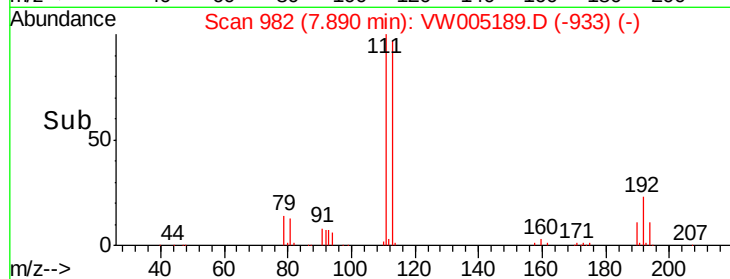
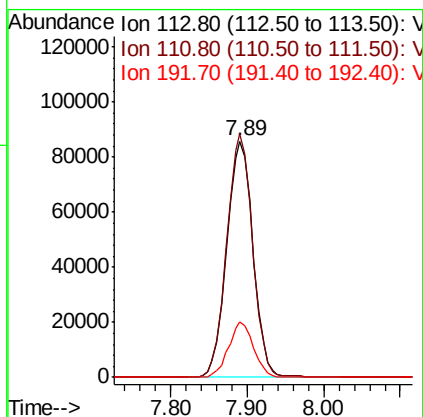
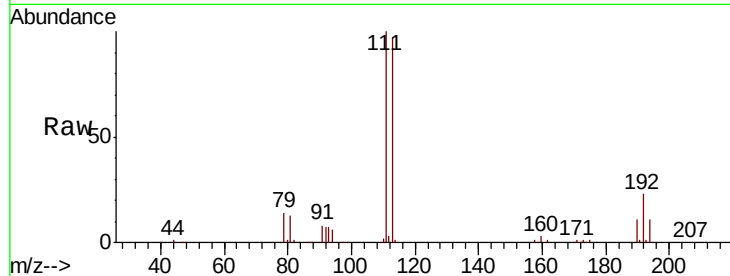




#35
 Dibromofluoromethane
 Concen: 56.244 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005189.D
 Acq: 07 Sep 2018 04:13

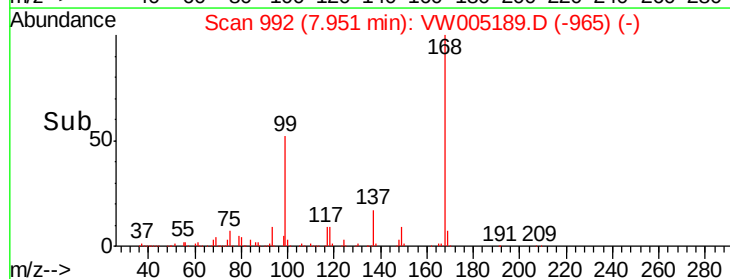
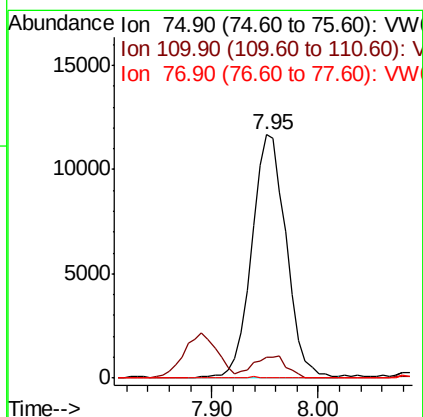
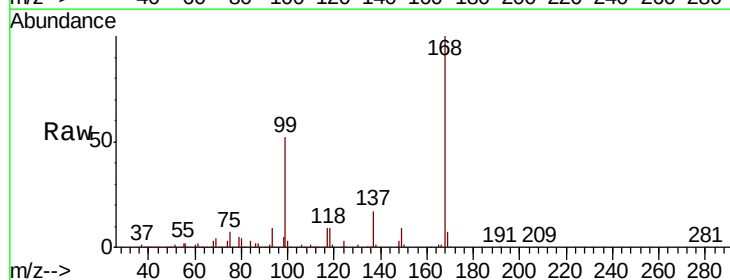
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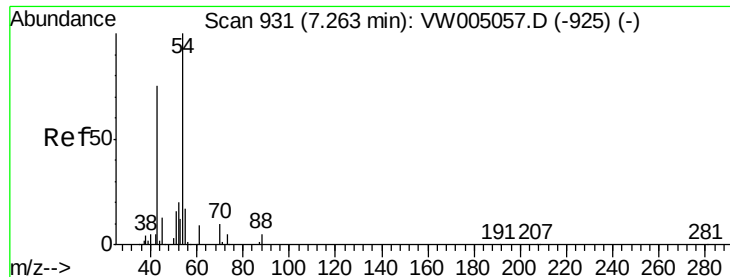
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.2
192	22.4	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 4.461 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005189.D
 Acq: 07 Sep 2018 04:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.9	56.7#
77	0.1	25.5	38.3#





#37

Ethyl Acetate

Concen: 1.692 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.12 min

Lab File: VW005189.D

Acq: 07 Sep 2018 04:13

Instrument :

MSVOA_W

ClientSampleId :

CHRT-26957

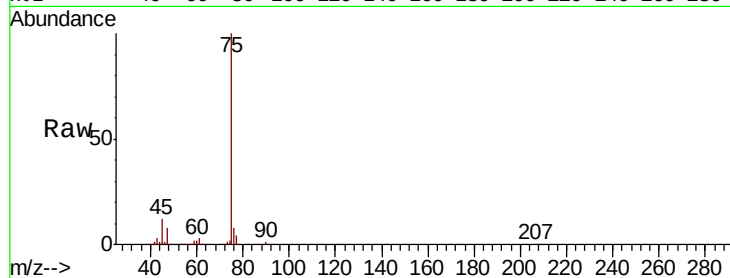
Tgt Ion: 43 Resp: 3761

Ion Ratio Lower Upper

43 100

61 113.7 12.1 18.1#

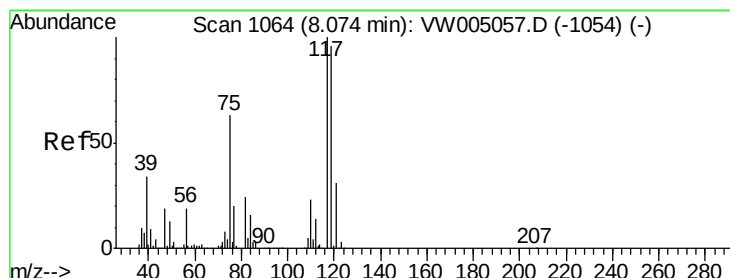
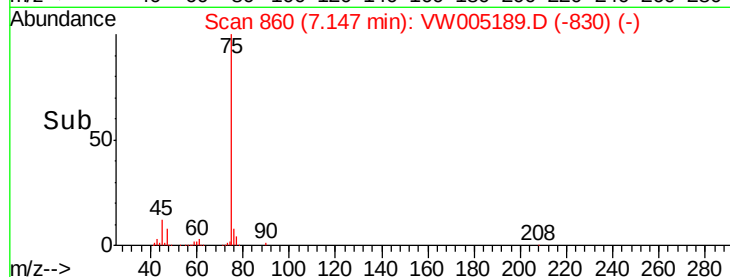
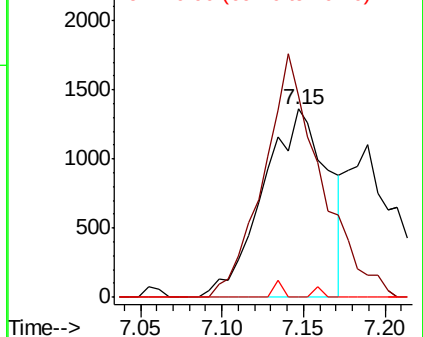
70 1.2 9.4 14.2#



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: 6.277 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005189.D

Acq: 07 Sep 2018 04:13

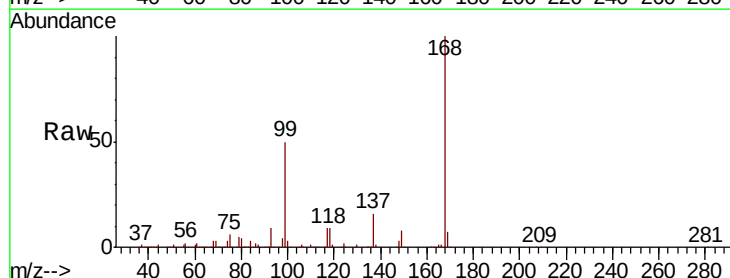
Tgt Ion: 117 Resp: 35471

Ion Ratio Lower Upper

117 100

119 7.2 76.6 115.0#

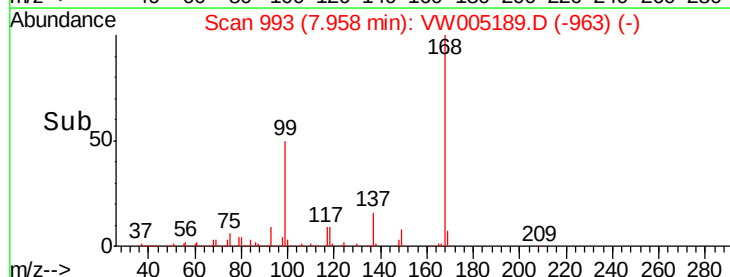
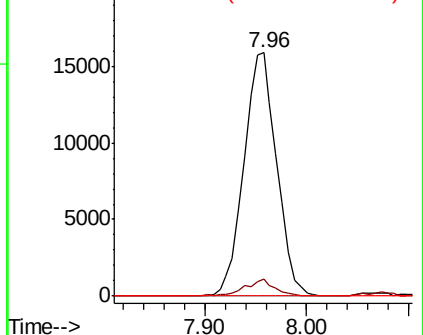
121 0.0 24.8 37.2#

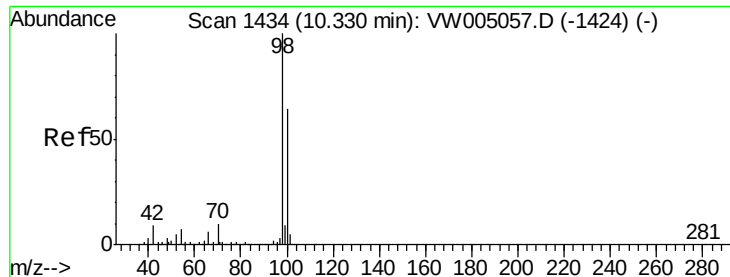


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 44.083 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005189.D

Acq: 07 Sep 2018 04:13

Instrument :

MSVOA_W

ClientSampleId :

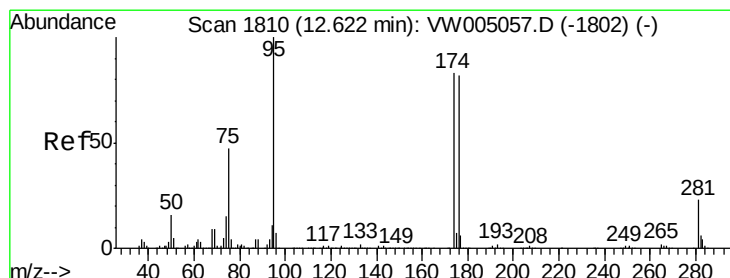
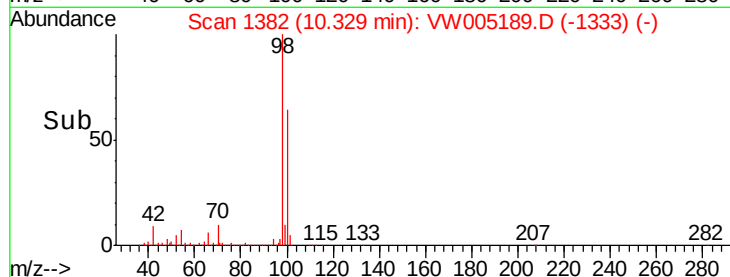
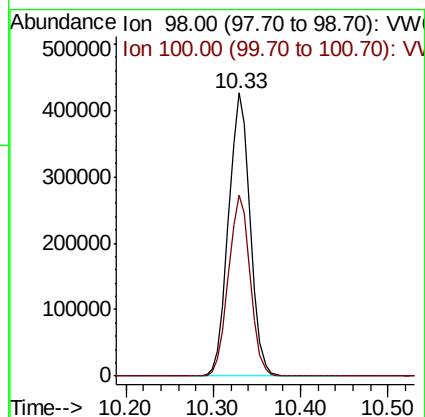
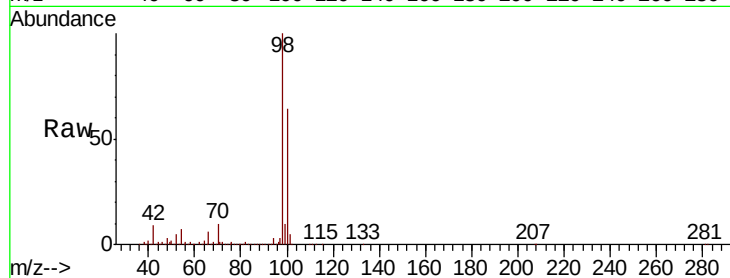
CHRT-26957

Tgt Ion: 98 Resp: 732445

Ion Ratio Lower Upper

98 100

100 64.2 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 50.081 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005189.D

Acq: 07 Sep 2018 04:13

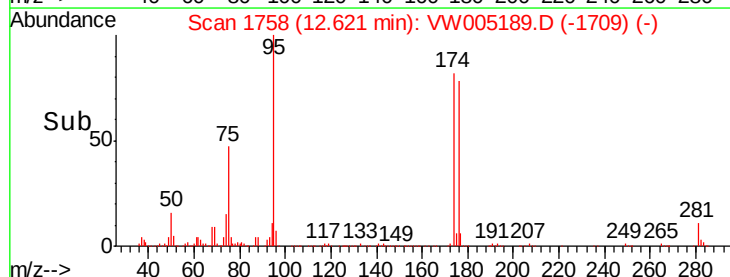
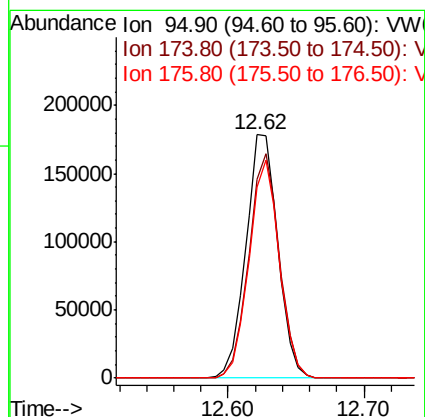
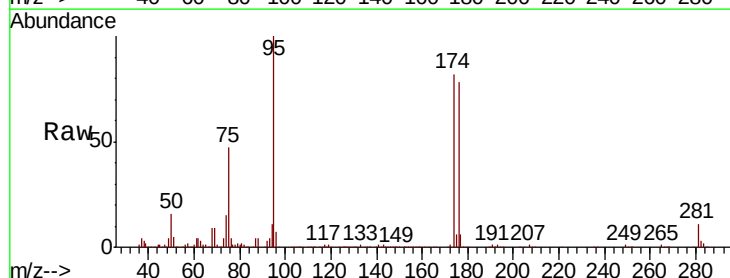
Tgt Ion: 95 Resp: 293406

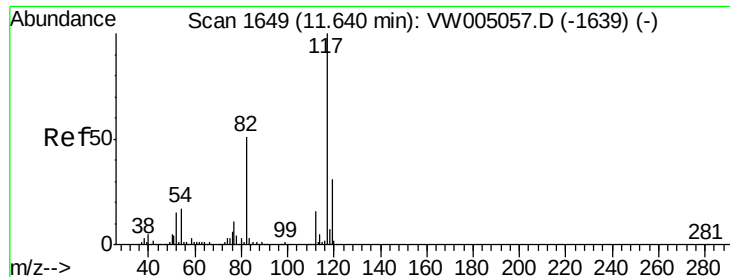
Ion Ratio Lower Upper

95 100

174 88.6 0.0 173.4

176 85.5 0.0 167.4

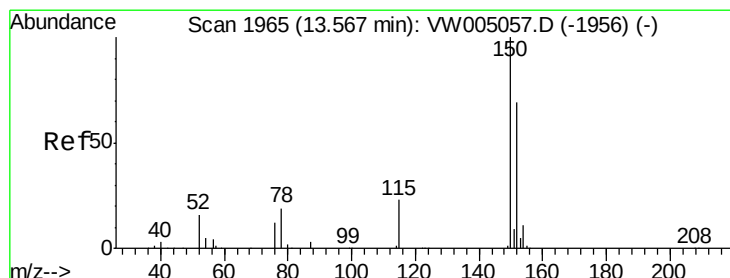
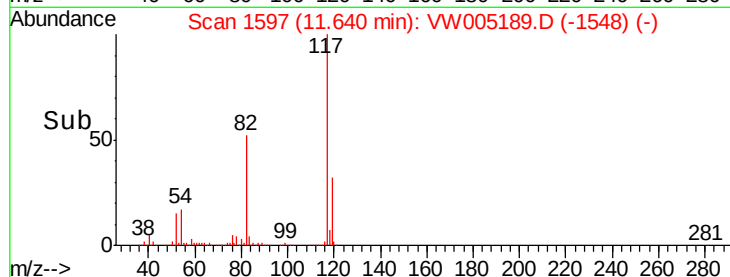
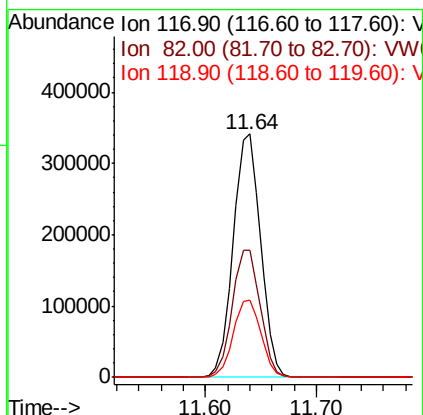
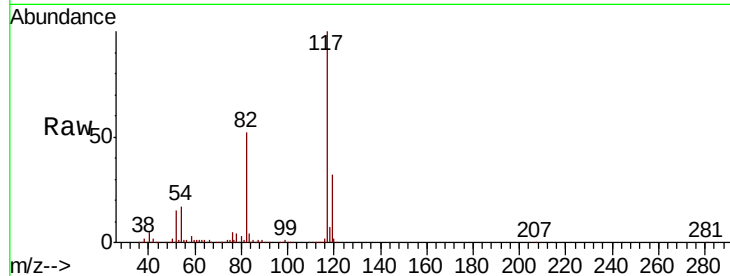




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005189.D
Acq: 07 Sep 2018 04:13

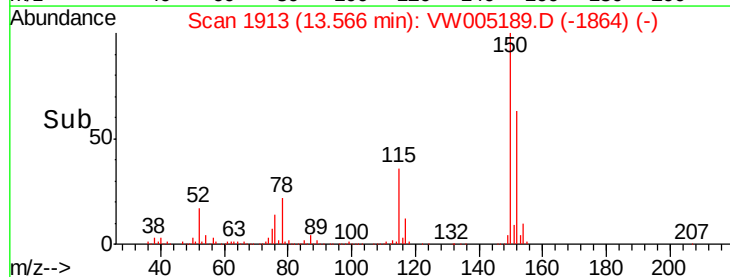
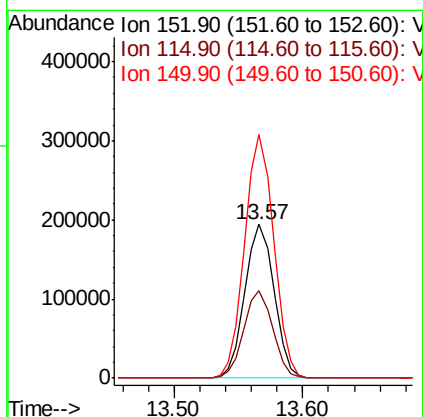
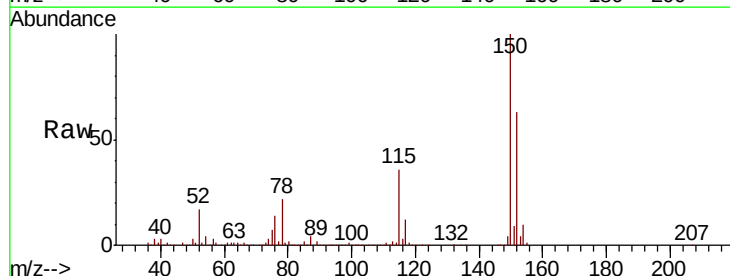
Instrument :
MSVOA_W
ClientSampleId :
CHRT-26957

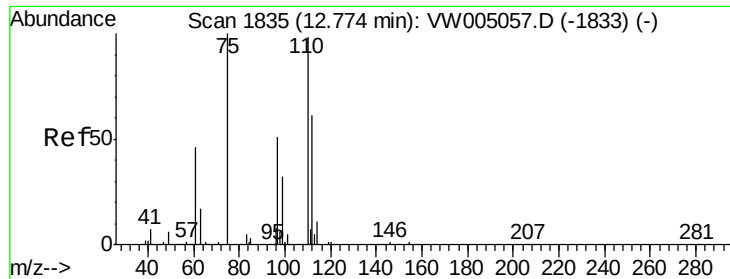
Tgt Ion:117 Resp: 582533
Ion Ratio Lower Upper
117 100
82 52.0 40.9 61.3
119 31.5 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005189.D
Acq: 07 Sep 2018 04:13

Tgt Ion:152 Resp: 305052
Ion Ratio Lower Upper
152 100
115 56.2 27.8 83.4
150 157.7 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 59.427 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005189.D

Acq: 07 Sep 2018 04:13

Instrument :

MSVOA_W

ClientSampleId :

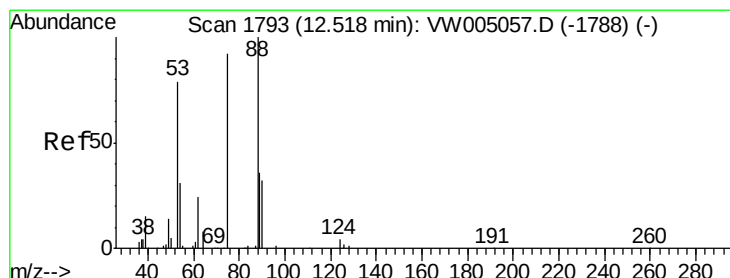
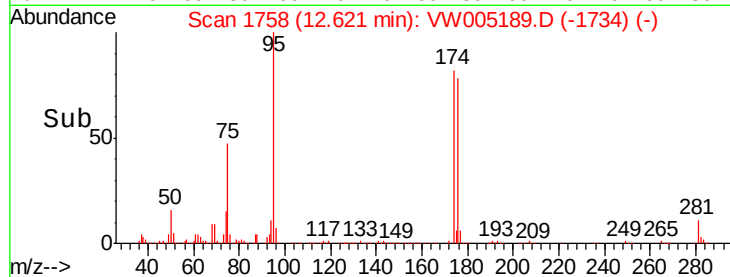
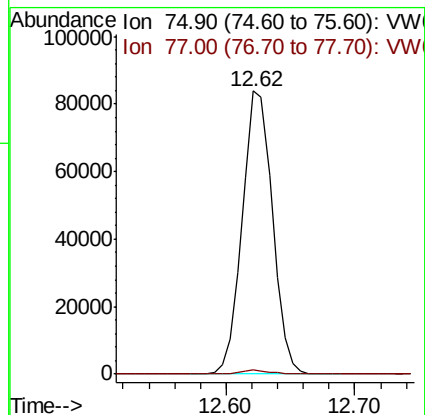
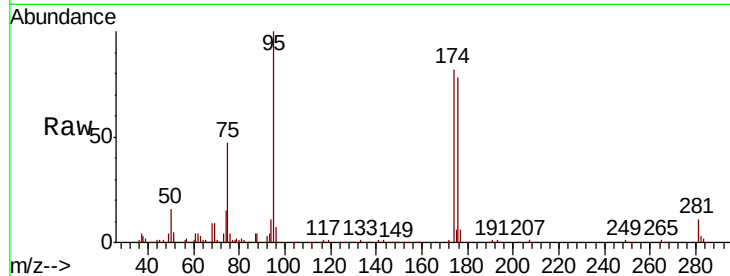
CHRT-26957

Tgt Ion: 75 Resp: 136075

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 143.034 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005189.D

Acq: 07 Sep 2018 04:13

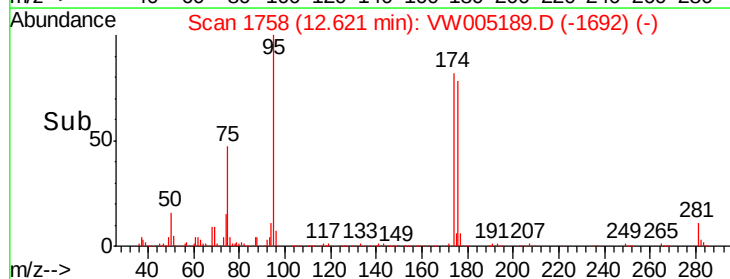
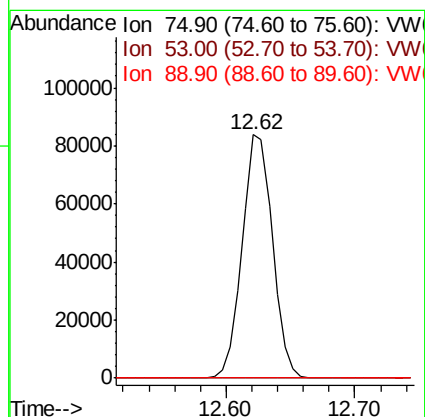
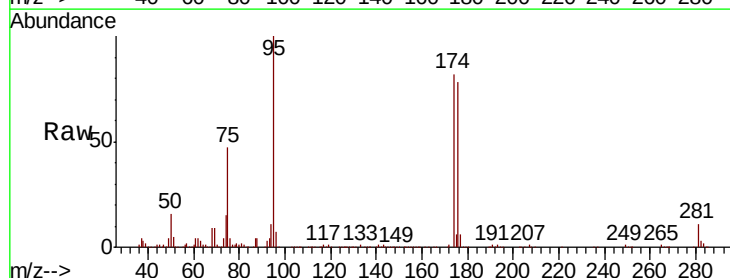
Tgt Ion: 75 Resp: 136075

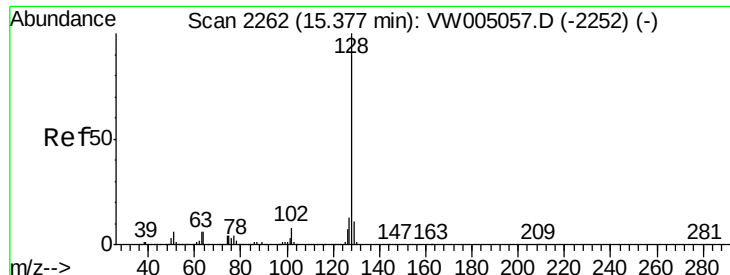
Ion Ratio Lower Upper

75 100

53 0.1 69.8 104.8#

89 0.1 36.0 54.0#





#95
Naphthalene
Concen: 4.145 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW005189.D
Acq: 07 Sep 2018 04:13

Instrument :
MSVOA_W
ClientSampleId :
CHRT-26957

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	12.9	8.7	13.1

