

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090618\
 Data File : VW005159.D
 Acq On : 06 Sep 2018 13:17
 Operator : SY/AP
 Sample : J4761-01RE
 Misc : 6.90G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT-4005RE

Quant Time: Sep 06 13:55:21 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

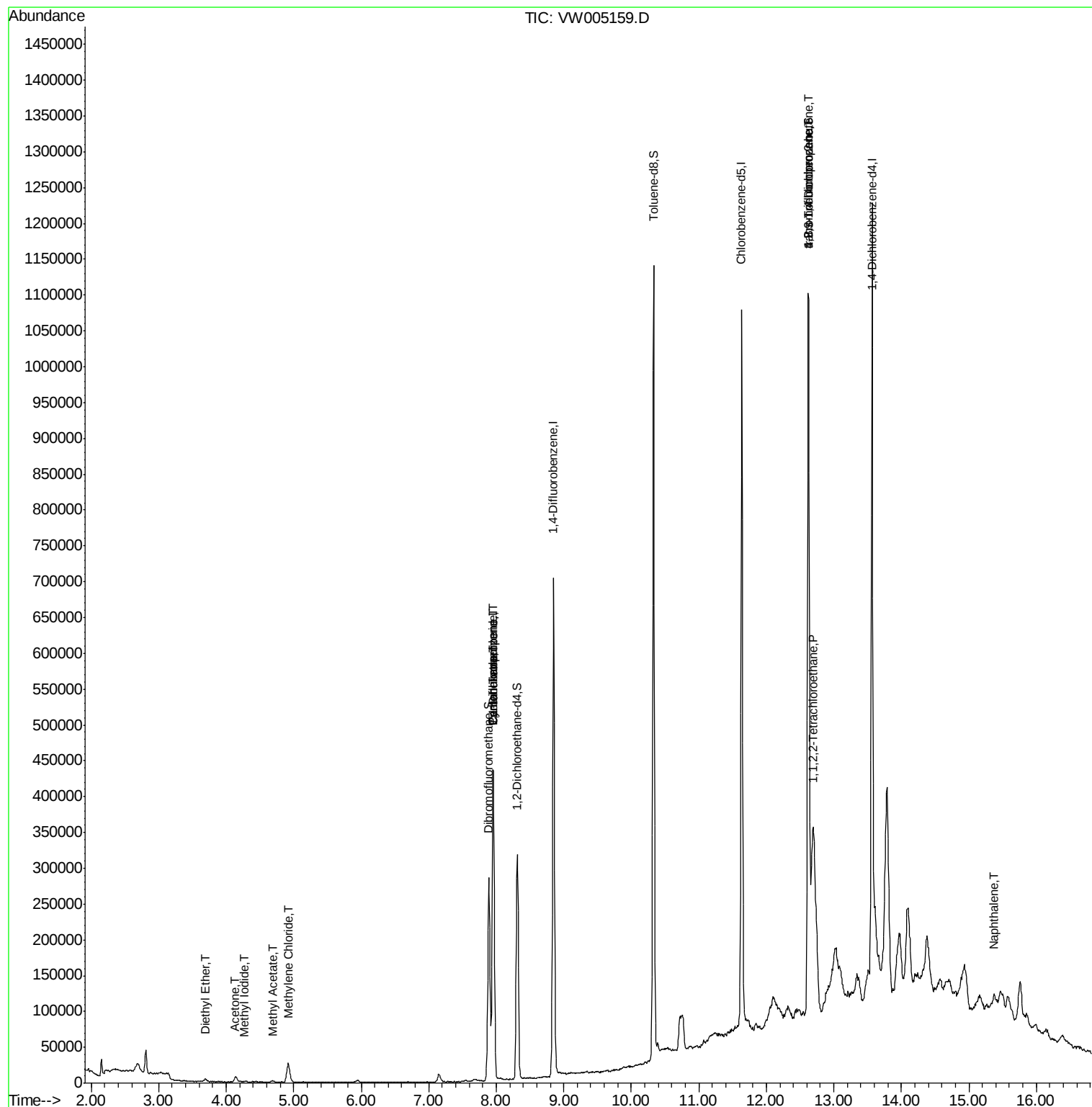
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	359252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	612334	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	597771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	284085	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	240650	80.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	161.62%	
35) Dibromofluoromethane	7.89	113	206711	58.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.84%	
50) Toluene-d8	10.33	98	757116	46.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.86%	
62) 4-Bromofluorobenzene	12.62	95	336160	58.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.94%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.77	94	925	Below Cal	#	35
8) Diethyl Ether	3.69	74	2012	1.210	ug/l	81
10) Methyl Iodide	4.28	142	900	3.995	ug/l #	82
11) Tert butyl alcohol	5.19	59	433	Below Cal	#	72
16) Acetone	4.14	43	13795	23.098	ug/l	94
18) Methyl Acetate	4.68	43	2891	1.646	ug/l #	49
20) Methylene Chloride	4.92	84	21052	1.437	ug/l	97
31) Cyclohexane	7.95	56	6407	1.095	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	25023	4.291	ug/l #	48
38) Carbon Tetrachloride	7.95	117	32089	5.787	ug/l #	16
75) 1,1,2,2-Tetrachloroethane	12.69	83	93770	30.751	ug/l #	25
76) 1,2,3-Trichloropropane	12.62	75	145309	68.143	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	145309	164.013	ug/l #	14
95) Naphthalene	15.38	128	3259	4.272	ug/l #	82

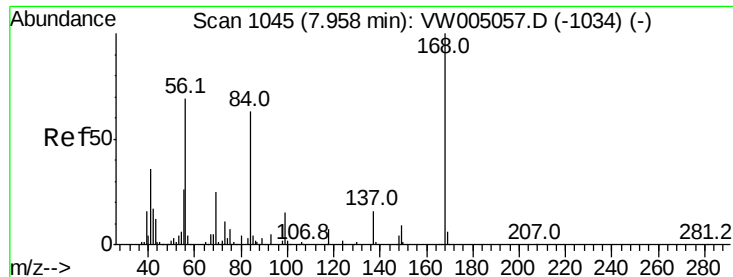
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Sep 01 03:35:05 2018
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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: VW005159.D

Acq: 06 Sep 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

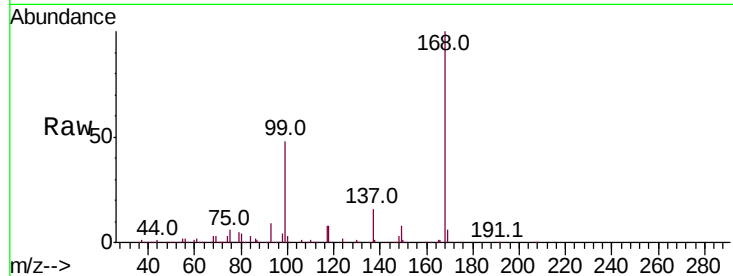
RT-4005RE

Tot Ion:168 Resp: 359252

Ion Ratio Lower Upper

168 100

99 48.5 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

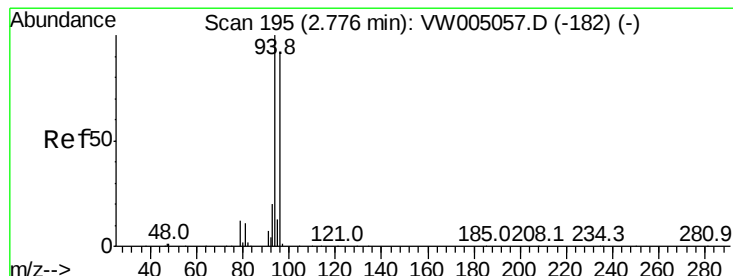
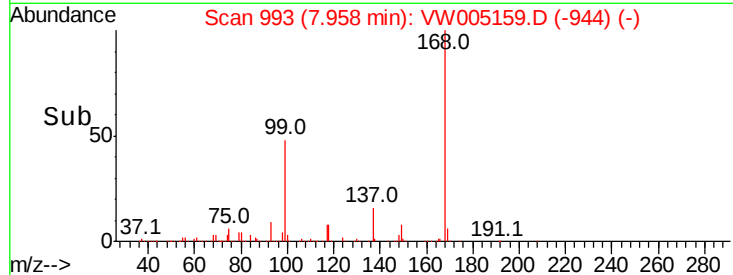
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW005159.D

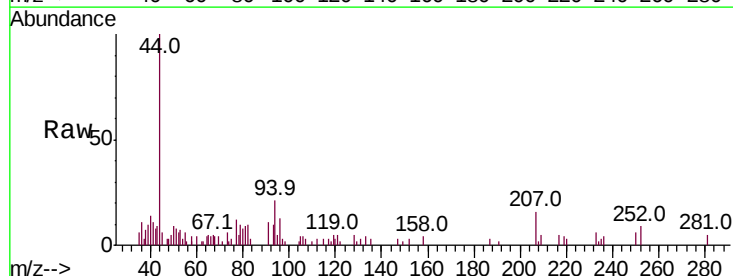
Acq: 06 Sep 2018 13:17

Tgt Ion: 94 Resp: 925

Ion Ratio Lower Upper

94 100

96 29.3 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

800

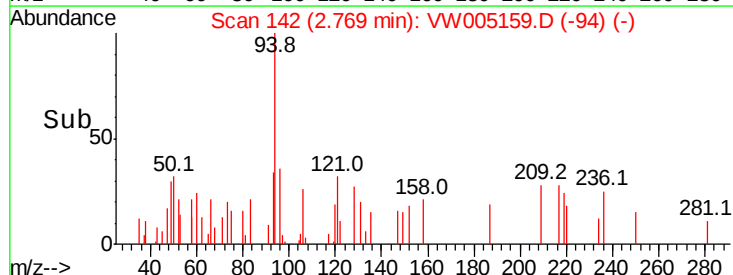
600

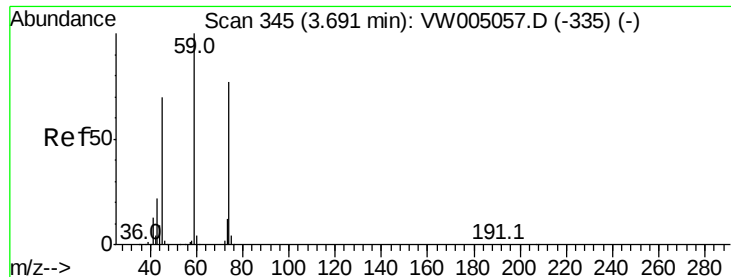
400

200

0

Time--> 2.75 2.80





#8

Diethyl Ether

Concen: 1.210 ug/l

RT: 3.69 min Scan# 293

Delta R.T. -0.00 min

Lab File: VW005159.D

Acq: 06 Sep 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

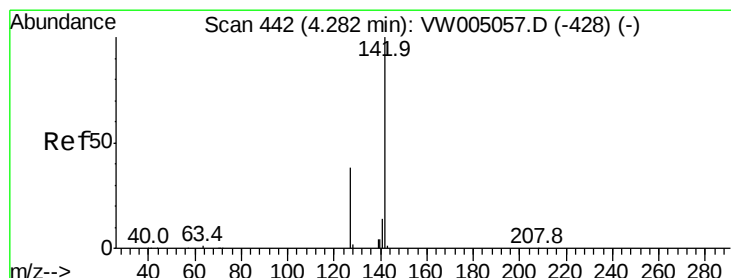
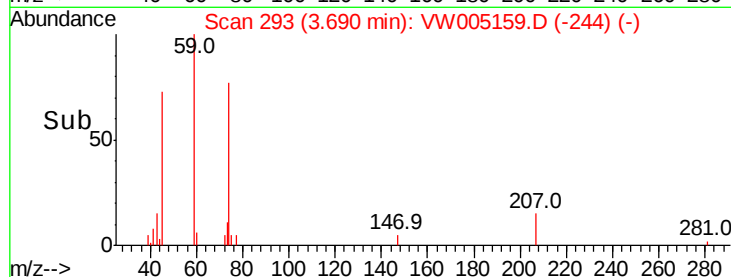
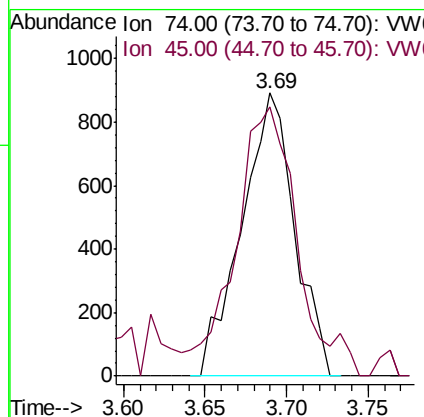
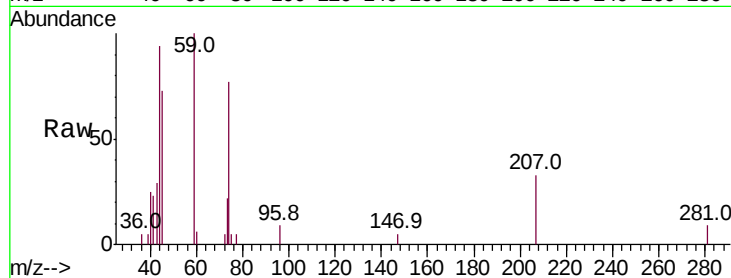
RT-4005RE

Tot Ion: 74 Resp: 2012

Ion Ratio Lower Upper

74 100

45 110.3 46.0 137.8



#10

Methyl Iodide

Concen: 3.995 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.01 min

Lab File: VW005159.D

Acq: 06 Sep 2018 13:17

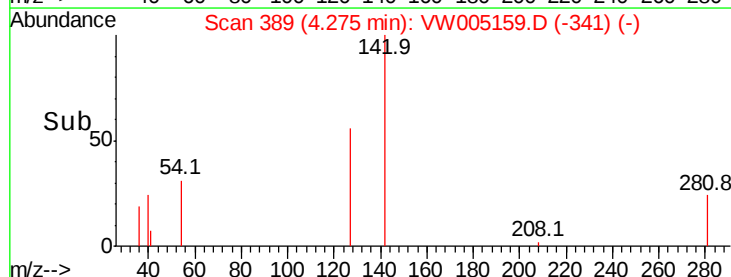
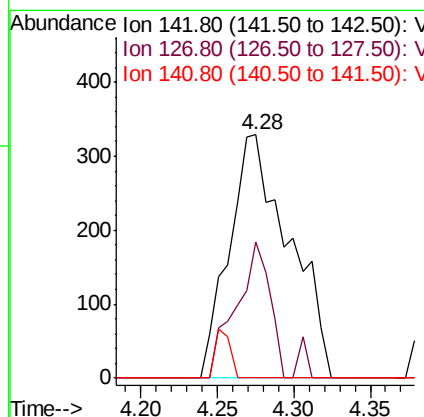
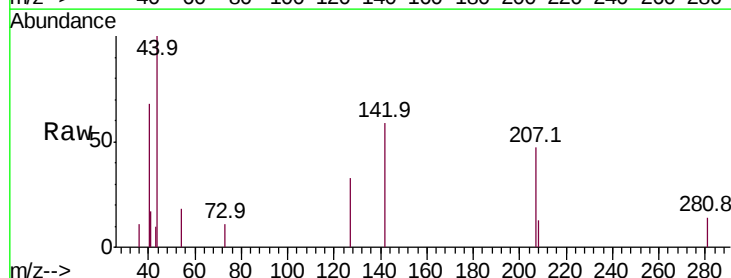
Tgt Ion: 142 Resp: 900

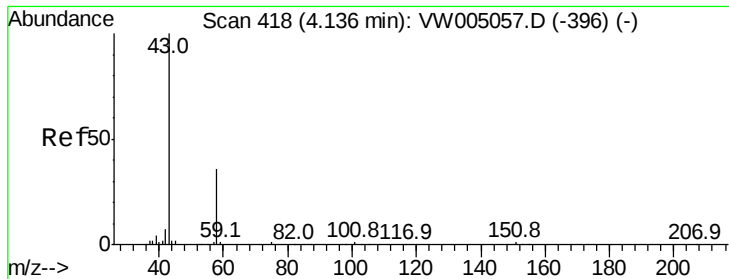
Ion Ratio Lower Upper

142 100

127 31.2 30.8 46.2

141 0.0 11.6 17.4#





#16

Acetone

Concen: 23.098 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW005159.D

Acq: 06 Sep 2018 13:17

Instrument :

MSVOA_W

ClientSampled :

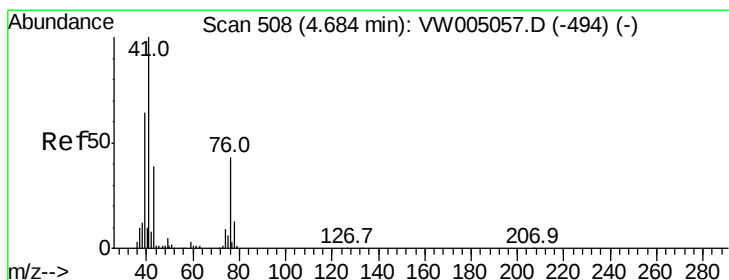
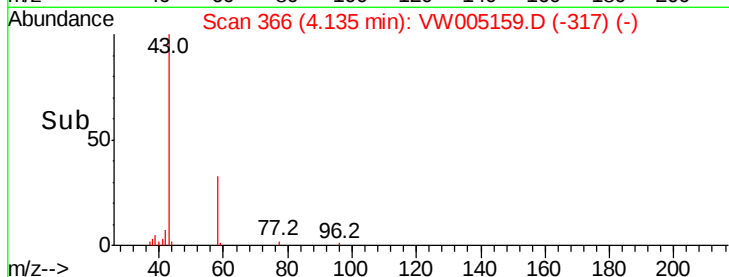
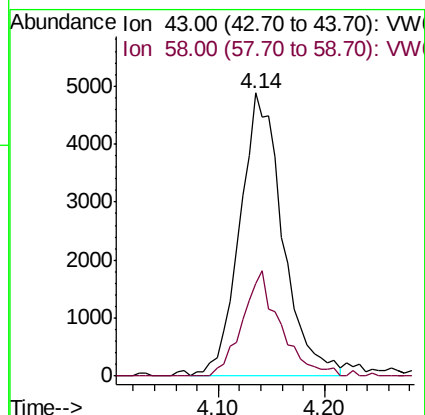
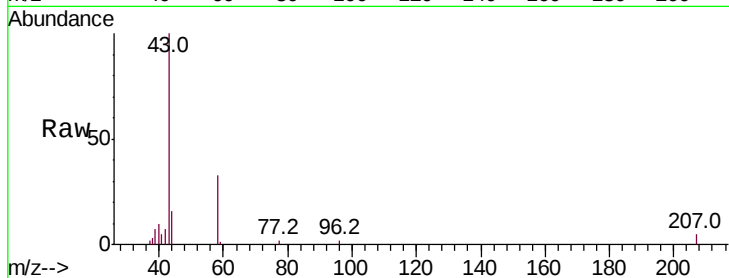
RT-4005RE

Tot Ion: 43 Resp: 13795

Ion Ratio Lower Upper

43 100

58 32.6 29.0 43.6



#18

Methyl Acetate

Concen: 1.646 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW005159.D

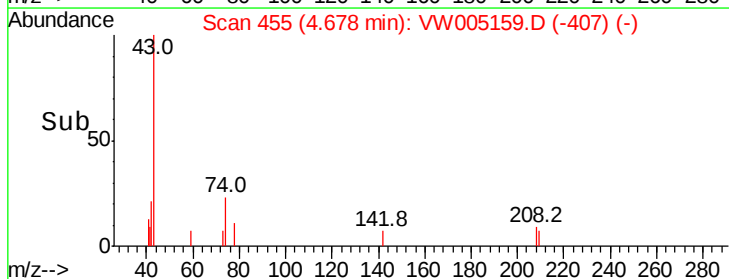
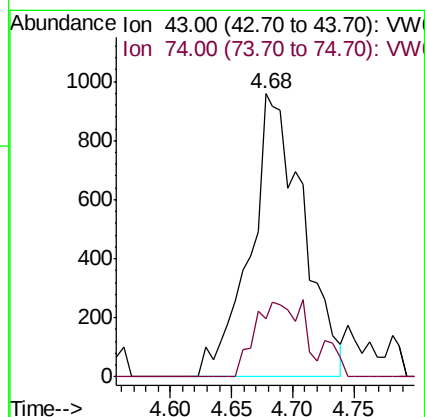
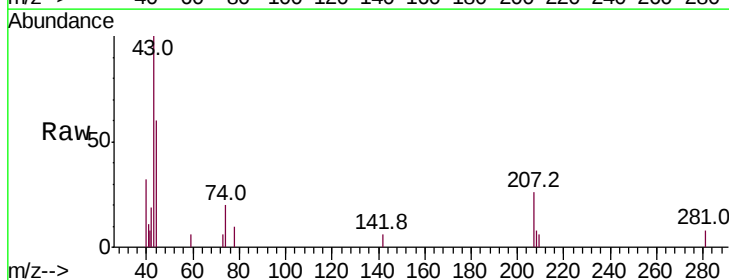
Acq: 06 Sep 2018 13:17

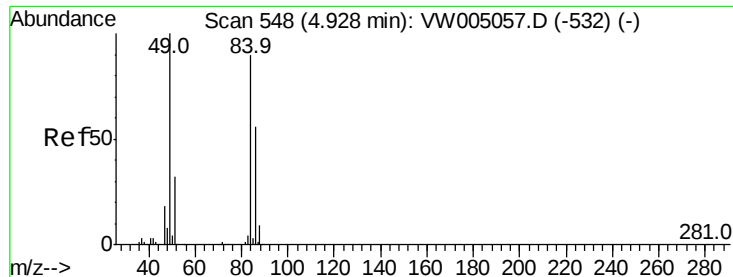
Tgt Ion: 43 Resp: 2891

Ion Ratio Lower Upper

43 100

74 0.0 20.7 31.1#

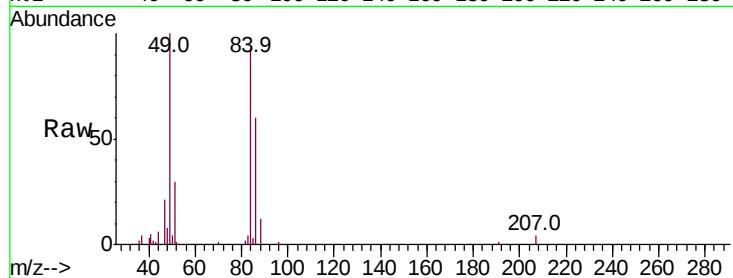




#20
Methvlene Chloride
Concen: 1.437 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW005159.D
Acq: 06 Sep 2018 13:17

Instrument :
MSVOA_W
ClientSampleId :
RT-4005RE

Tot Ion:	84	Resp:	21052
Ion	Ratio	Lower	Upper
84	100		
49	107.8	88.7	133.1
51	32.5	28.6	42.8
86	64.2	49.4	74.2



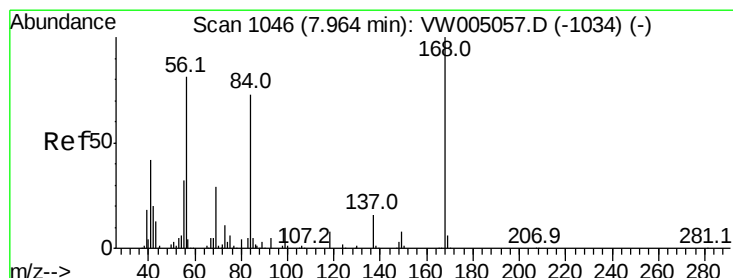
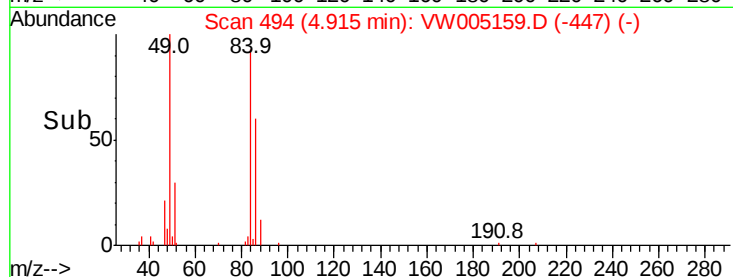
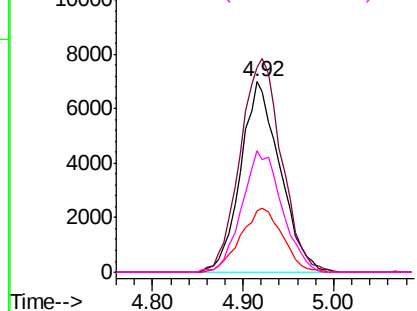
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

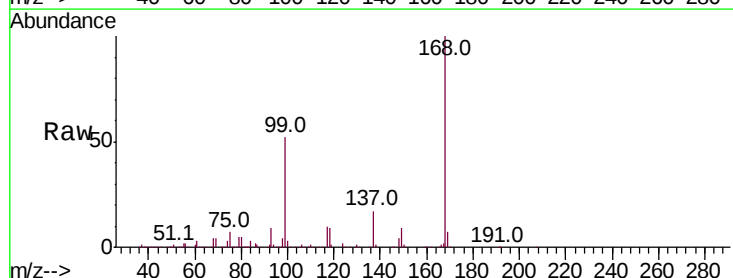
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#31
Cyclohexane
Concen: 1.095 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005159.D
Acq: 06 Sep 2018 13:17

Tgt Ion:	56	Resp:	6407
Ion	Ratio	Lower	Upper
56	100		
69	212.1	28.2	42.2#
84	174.2	71.8	107.8#

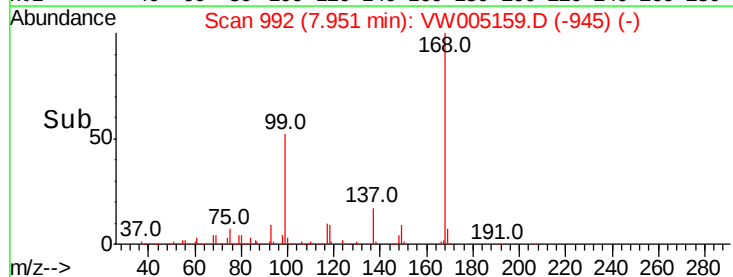
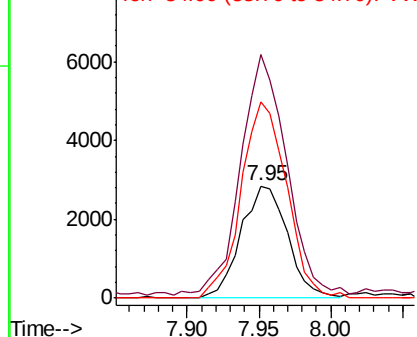


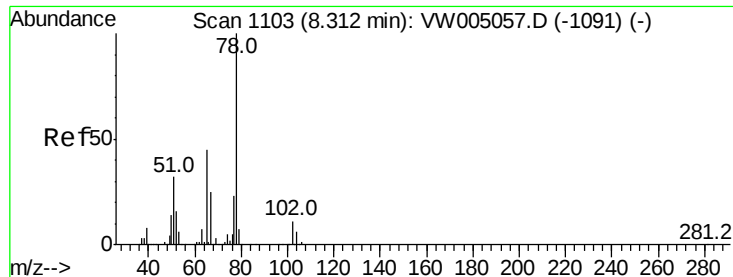
Abundance

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: 80.808 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005159.D

Acq: 06 Sep 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

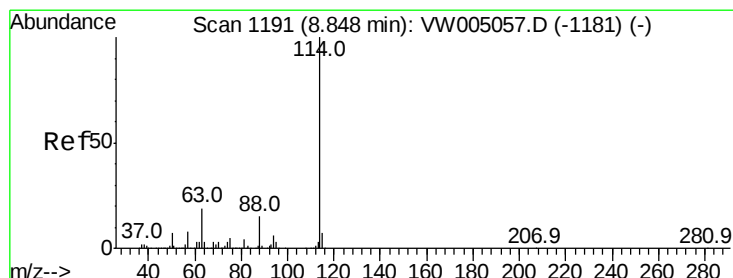
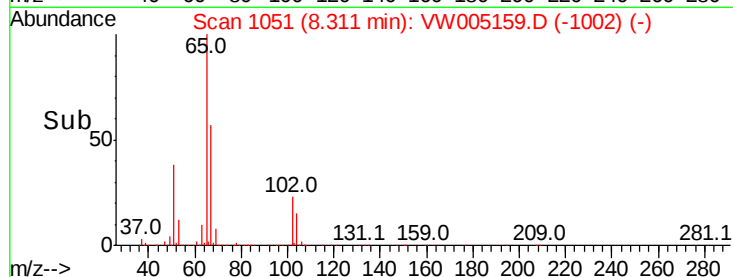
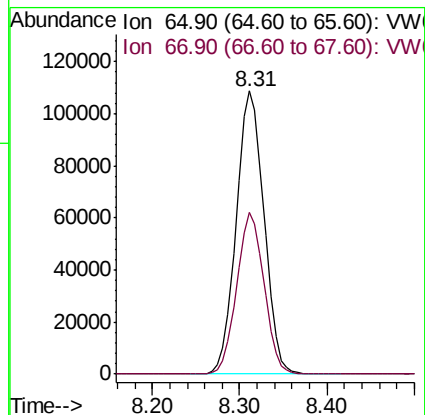
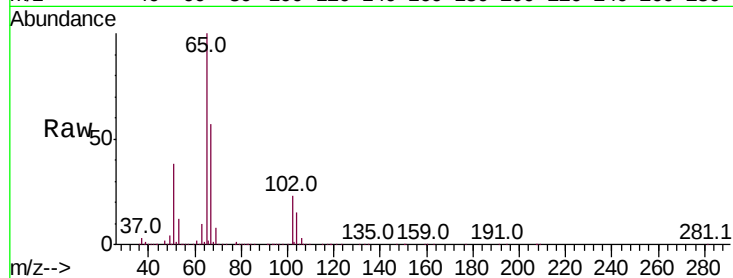
RT-4005RE

Tot Ion: 65 Resp: 240650

Ion Ratio Lower Upper

65 100

67 55.6 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: VW005159.D

Acq: 06 Sep 2018 13:17

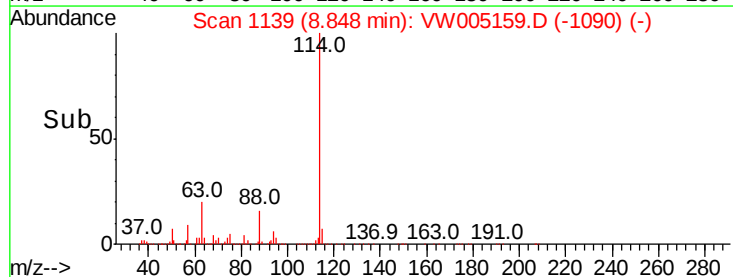
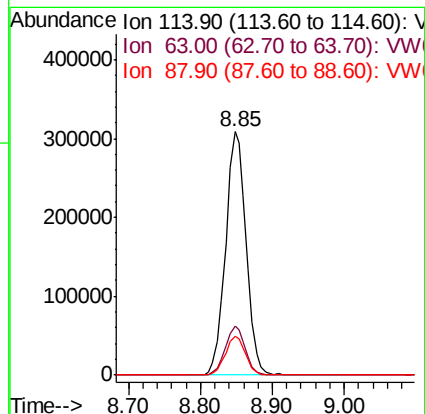
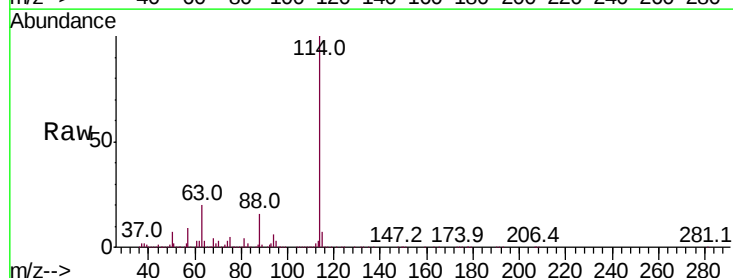
Tgt Ion: 114 Resp: 612334

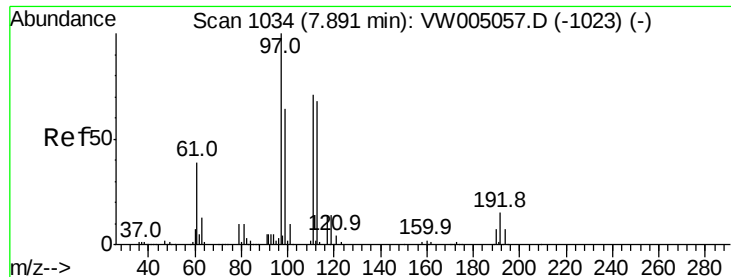
Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.0

88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 58.416 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW005159.D

Acq: 06 Sep 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

RT-4005RE

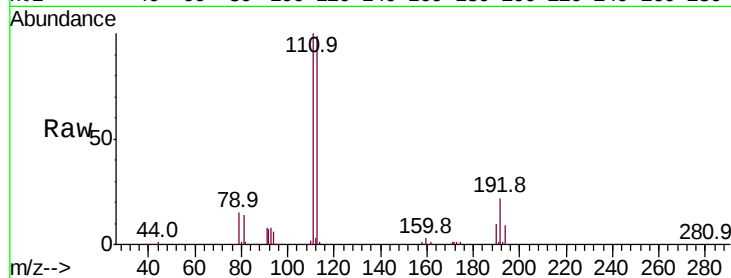
Tot Ion:113 Resp: 206711

Ion Ratio Lower Upper

113 100

111 100.7 82.2 123.2

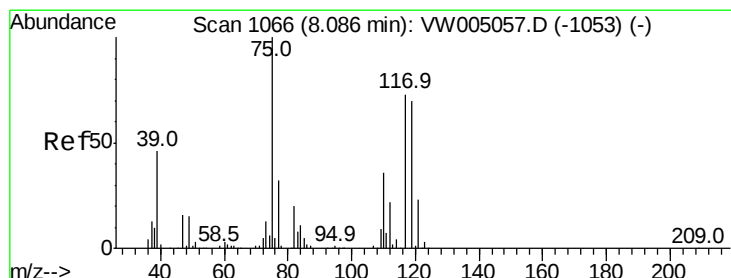
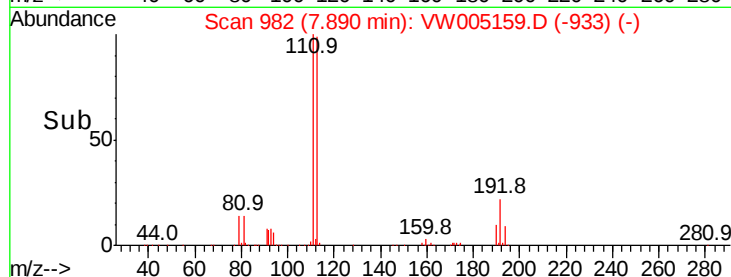
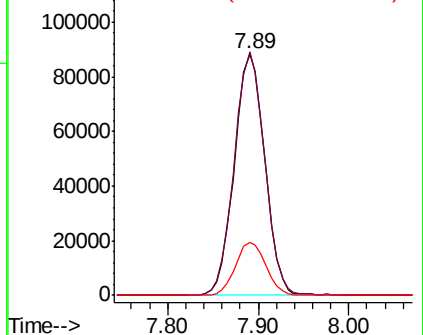
192 22.1 18.1 27.1



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: 4.291 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW005159.D

Acq: 06 Sep 2018 13:17

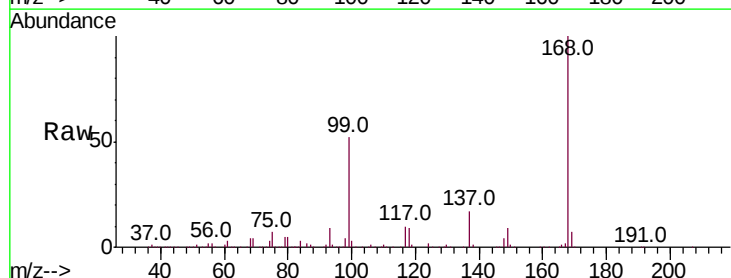
Tgt Ion: 75 Resp: 25023

Ion Ratio Lower Upper

75 100

110 9.0 18.9 56.7#

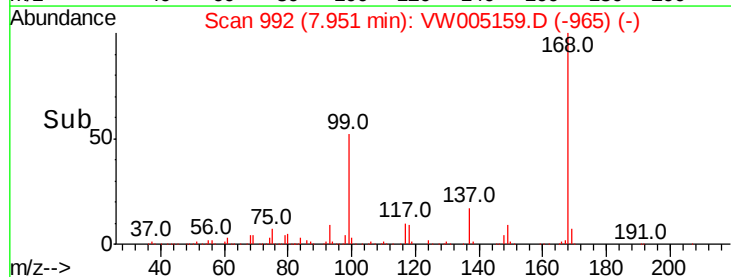
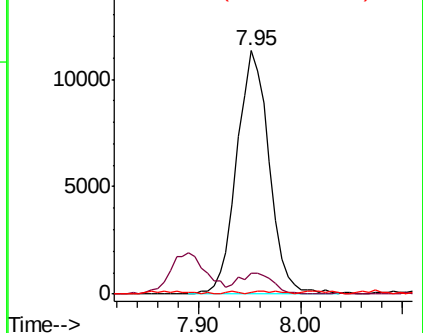
77 0.7 25.5 38.3#

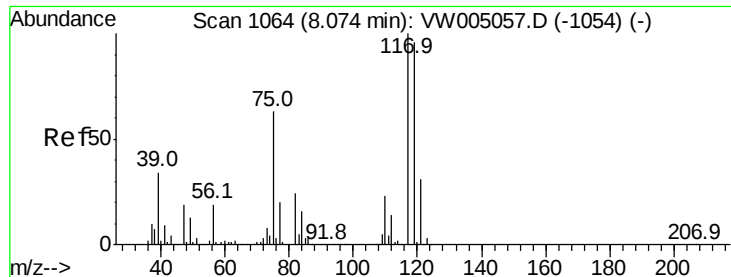


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.787 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005159.D

Acq: 06 Sep 2018 13:17

Instrument :

MSVOA_W

ClientSampled :

RT-4005RE

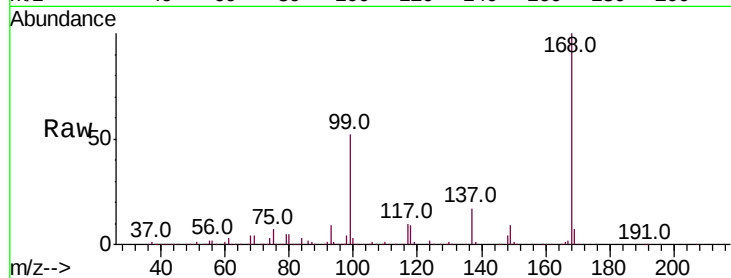
Tot Ion:117 Resp: 32089

Ion Ratio Lower Upper

117 100

119 5.2 76.6 115.0#

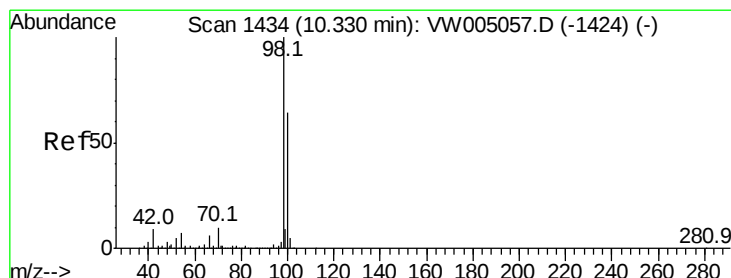
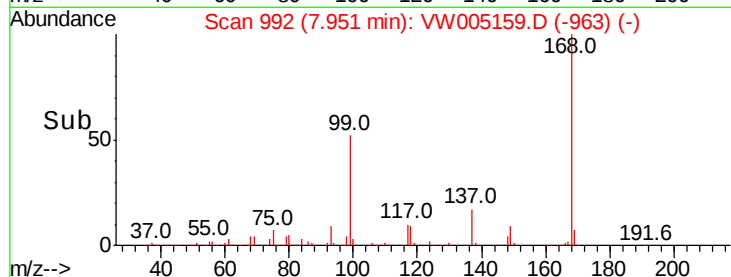
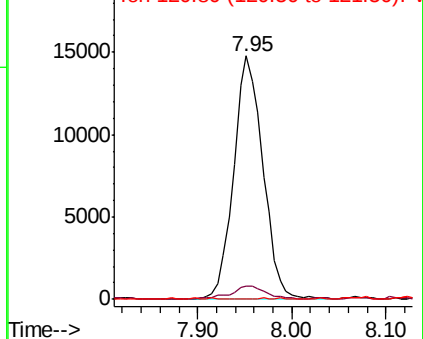
121 0.0 24.8 37.2#



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: 46.434 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005159.D

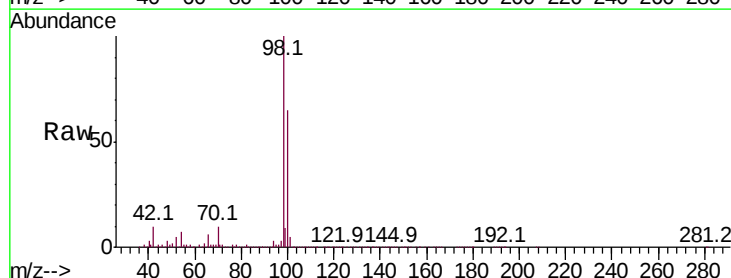
Acq: 06 Sep 2018 13:17

Tgt Ion: 98 Resp: 757116

Ion Ratio Lower Upper

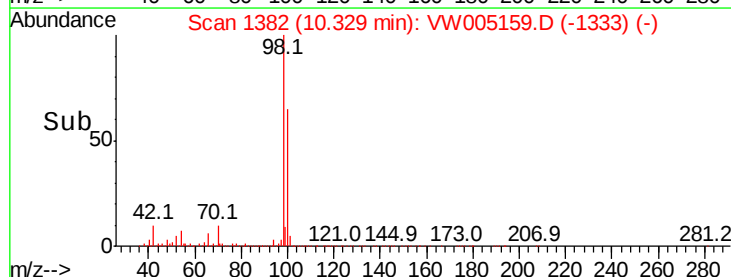
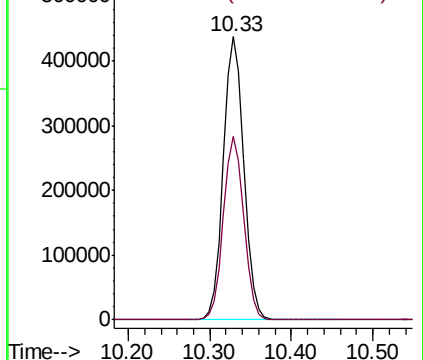
98 100

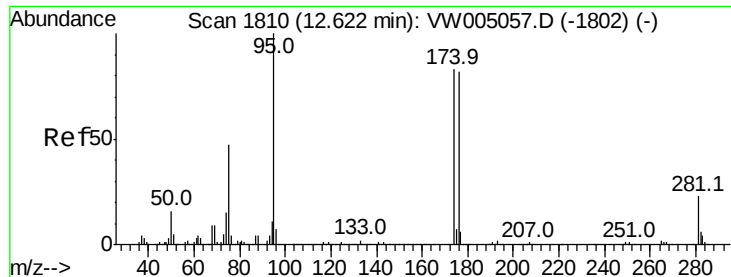
100 64.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): V

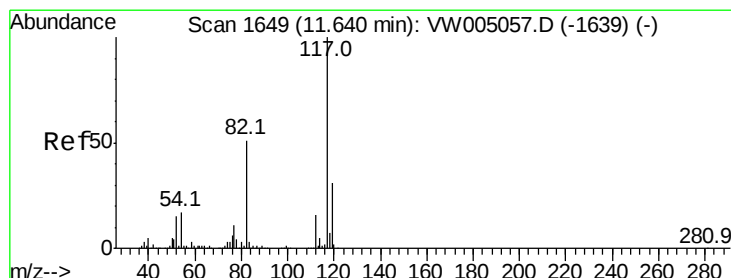
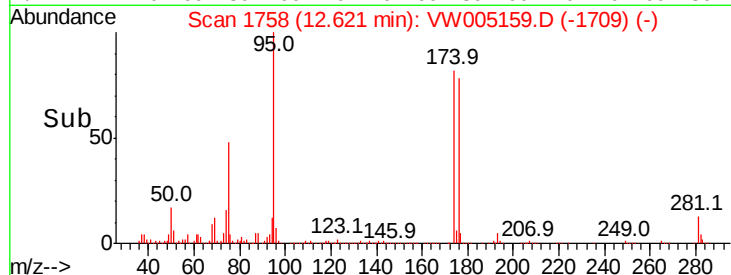
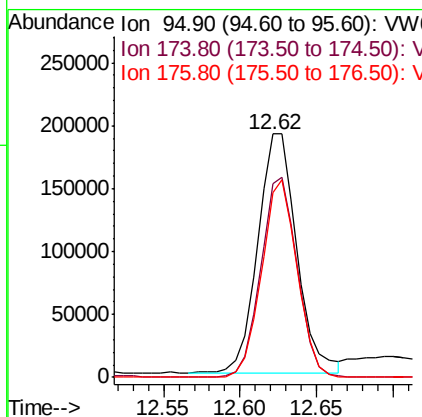
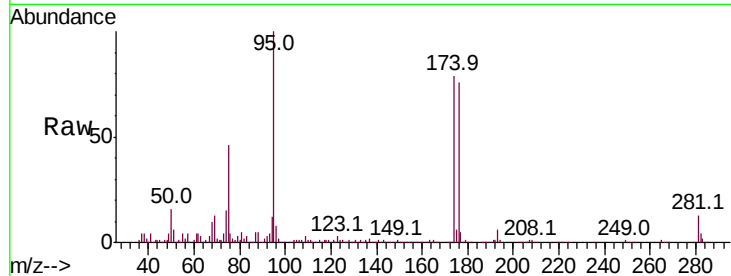




#62
4-Bromofluorobenzene
Concen: 58.469 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005159.D
Acq: 06 Sep 2018 13:17

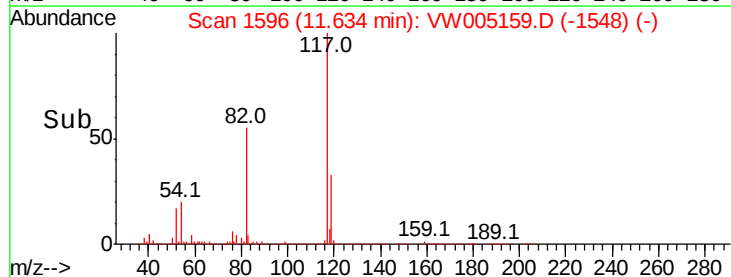
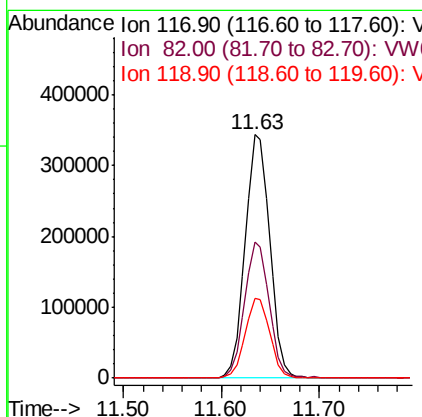
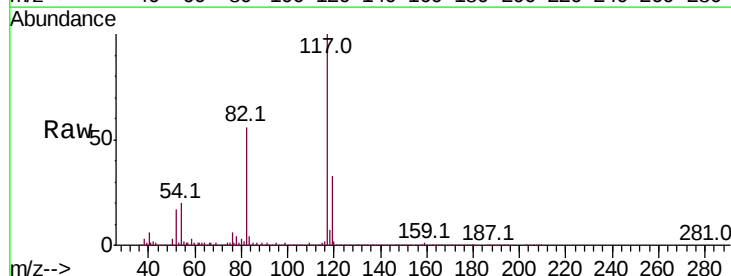
Instrument :
MSVOA_W
ClientSampleId :
RT-4005RE

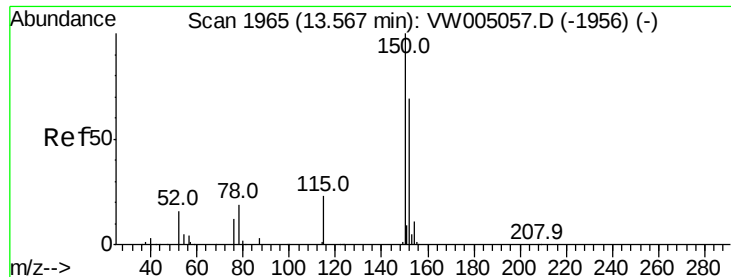
Tot Ion: 95 Resp: 336160
Ion Ratio Lower Upper
95 100
174 78.0 0.0 173.4
176 75.4 0.0 167.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VW005159.D
Acq: 06 Sep 2018 13:17

Tgt Ion: 117 Resp: 597771
Ion Ratio Lower Upper
117 100
82 55.5 40.9 61.3
119 32.5 24.9 37.3

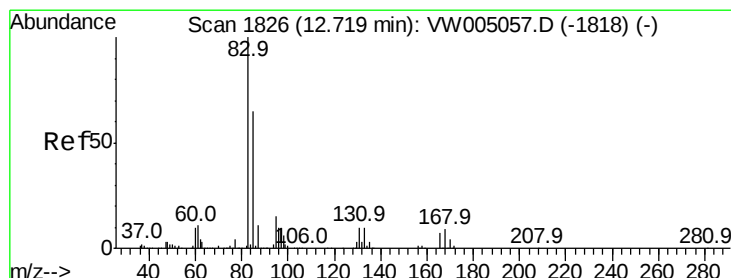
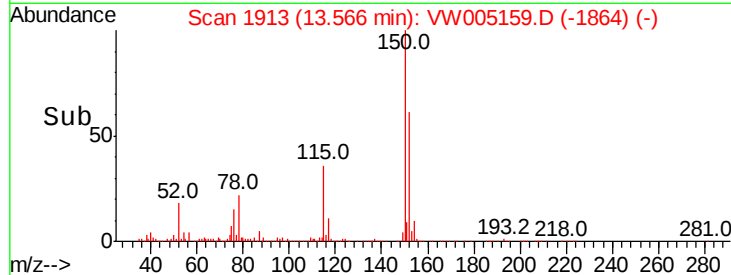
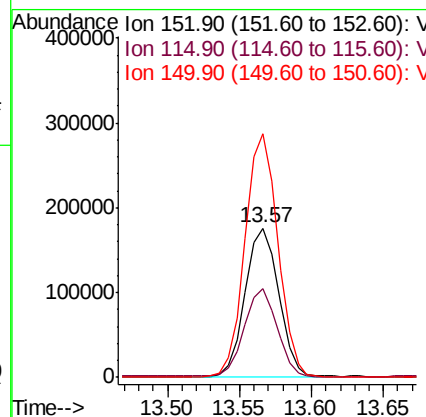
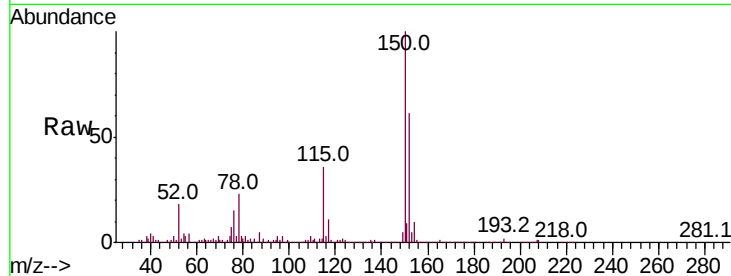




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. -0.00 min
 Lab File: VW005159.D
 Acq: 06 Sep 2018 13:17

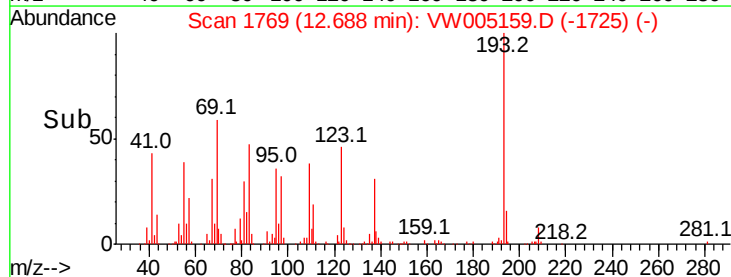
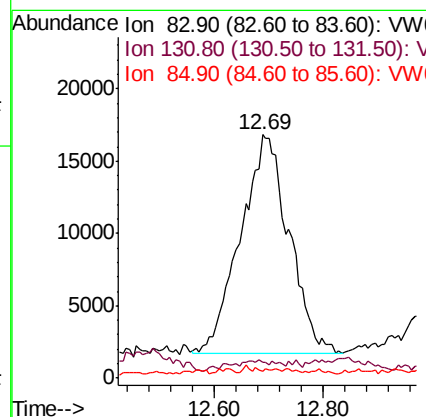
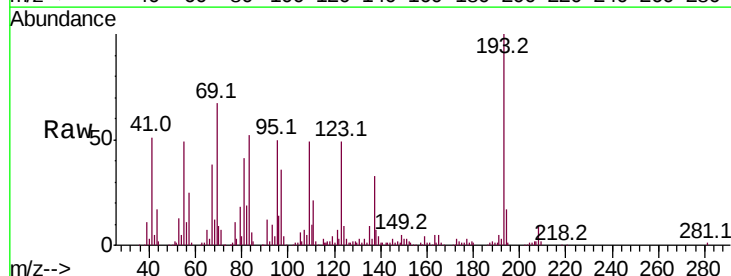
Instrument :
 MSVOA_W
 ClientSampleId :
 RT-4005RE

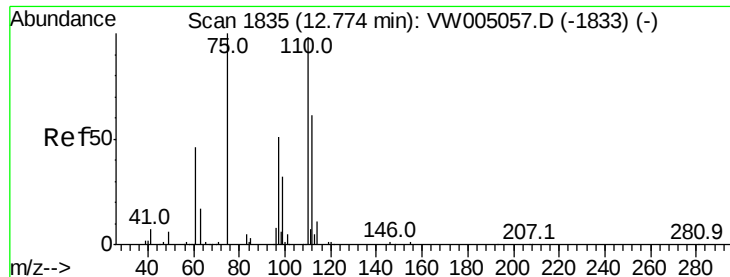
Tot Ion:152 Resp: 284085
 Ion Ratio Lower Upper
 152 100
 115 57.6 27.8 83.4
 150 159.1 0.0 351.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: 30.751 ug/l
 RT: 12.69 min Scan# 1769
 Delta R.T. -0.03 min
 Lab File: VW005159.D
 Acq: 06 Sep 2018 13:17

Tgt Ion: 83 Resp: 93770
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.4#
 85 0.0 32.5 97.4#

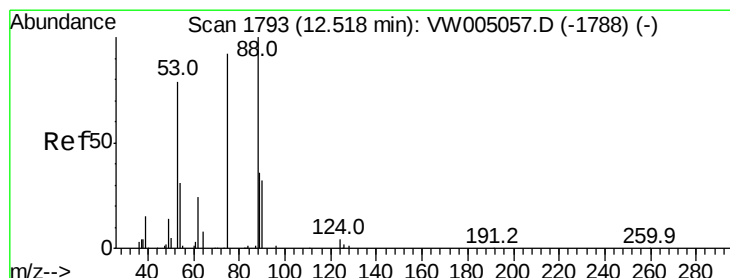
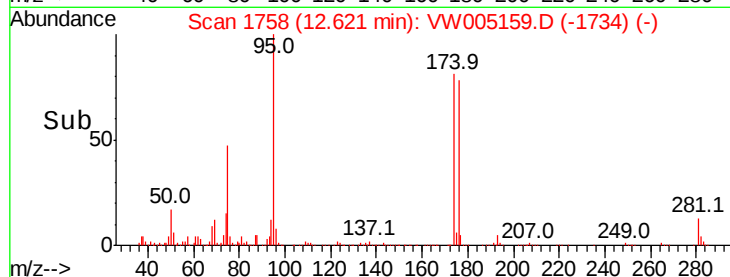
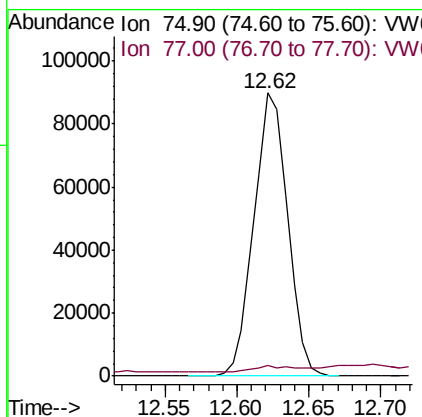
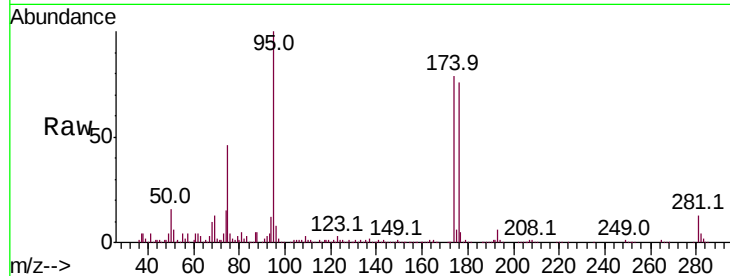




#76
 1,2,3-Trichloropropane
 Concen: 68.143 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005159.D
 Acq: 06 Sep 2018 13:17

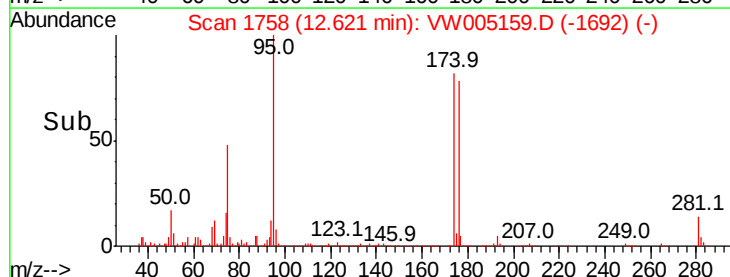
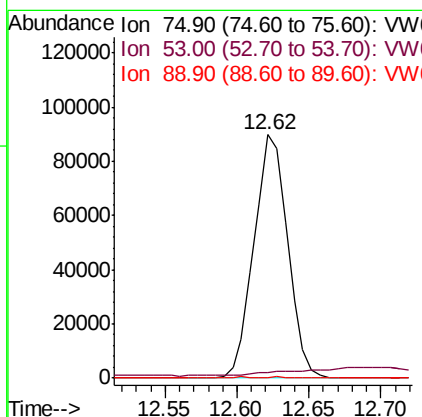
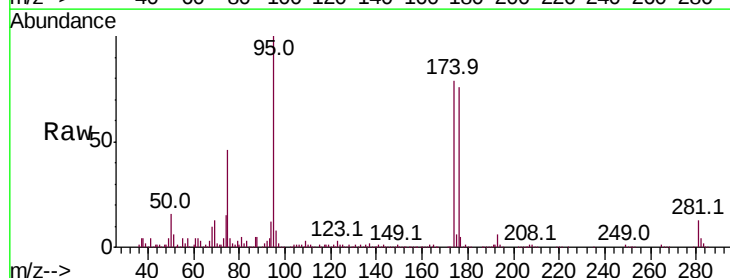
Instrument :
 MSVOA_W
 ClientSampleId :
 RT-4005RE

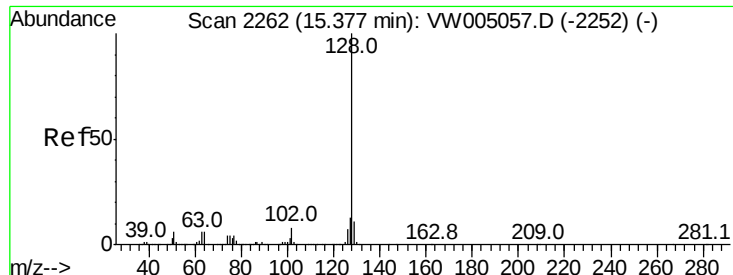
Tot Ion: 75 Resp: 145309
 Ion Ratio Lower Upper
 75 100
 77 3.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 164.013 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW005159.D
 Acq: 06 Sep 2018 13:17

Tgt Ion: 75 Resp: 145309
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.8 104.8#
 89 0.2 36.0 54.0#





#95

Naphthalene

Concen: 4.272 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005159.D

Acq: 06 Sep 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

RT-4005RE

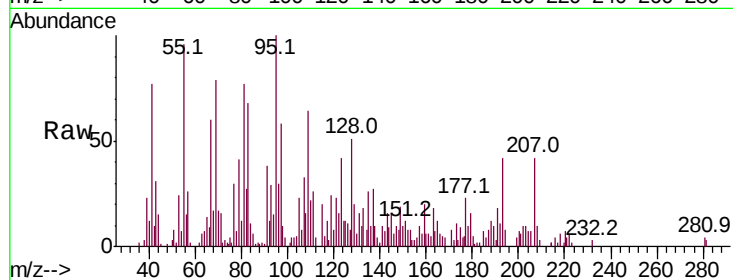
Tot Ion:128 Resp: 3259

Ion Ratio Lower Upper

128 100

127 16.6 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

