

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
 Data File : VW005446.D
 Acq On : 17 Sep 2018 20:33
 Operator : SY/AP
 Sample : J4941-04
 Misc : 5.60G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RB47198RT

Quant Time: Sep 18 01:05:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

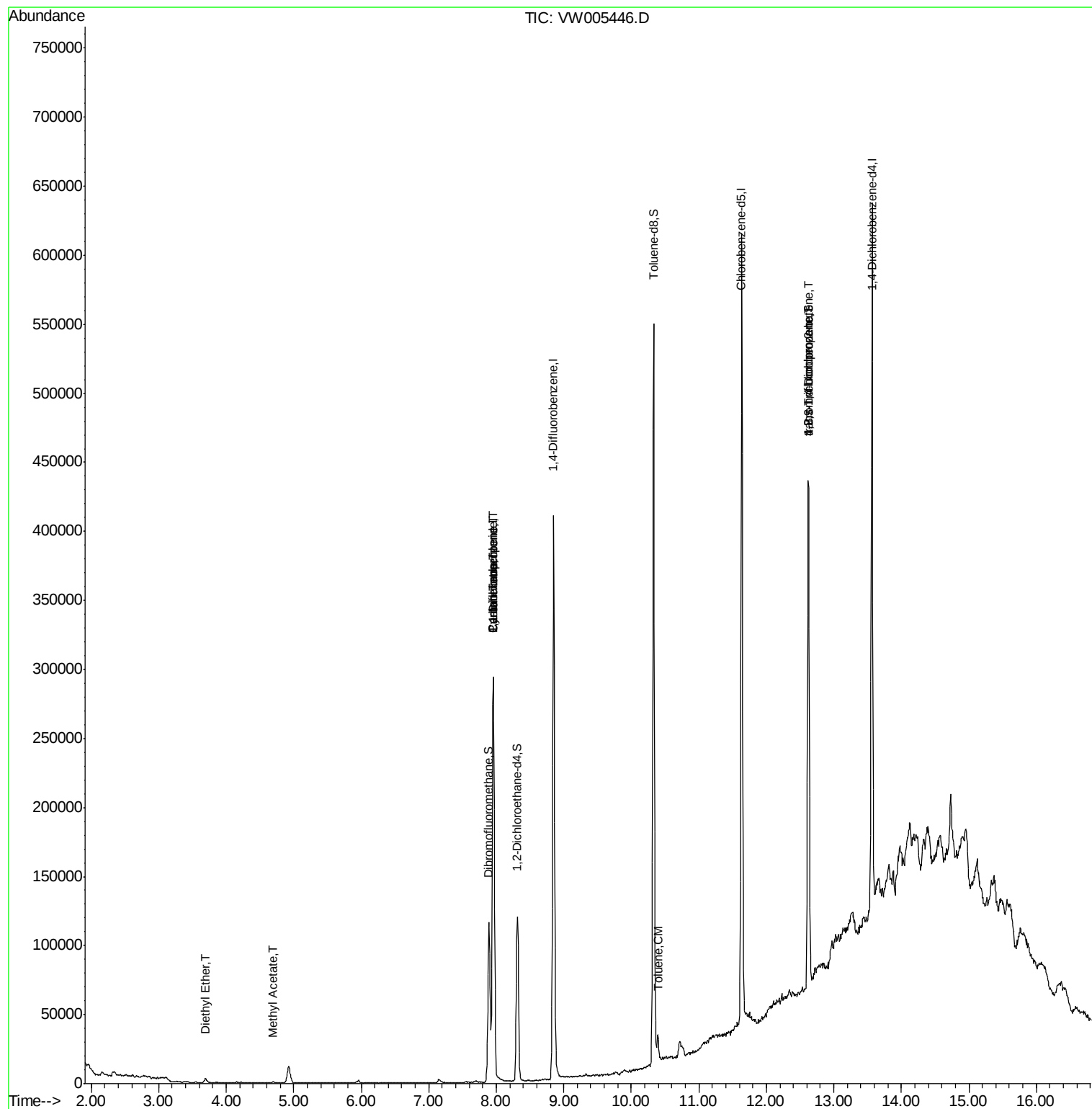
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	219467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	340059	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	324259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	134520	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.32	65	101145	44.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.80%	
35) Dibromofluoromethane	7.89	113	82703	43.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.76%	
50) Toluene-d8	10.33	98	355955	40.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.54%	
62) 4-Bromofluorobenzene	12.63	95	123149	38.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	278	Below Cal		97
5) Bromomethane	2.78	94	359	Below Cal	#	30
8) Diethyl Ether	3.69	74	1307	1.368 ug/l		84
11) Tert butyl alcohol	5.24	59	23	Below Cal	#	71
16) Acetone	4.15	43	475	Below Cal	#	79
18) Methyl Acetate	4.70	43	1475	1.347 ug/l	#	83
20) Methylene Chloride	4.92	84	9071	Below Cal		95
31) Cyclohexane	7.95	56	5045	1.388 ug/l	#	1
36) 1,1-Dichloropropene	7.96	75	16976	5.275 ug/l	#	53
38) Carbon Tetrachloride	7.96	117	21776	6.493 ug/l	#	15
52) Toluene	10.39	92	6832	1.082 ug/l		99
76) 1,2,3-Trichloropropane	12.62	75	62491	56.482 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62491	146.517 ug/l	#	9

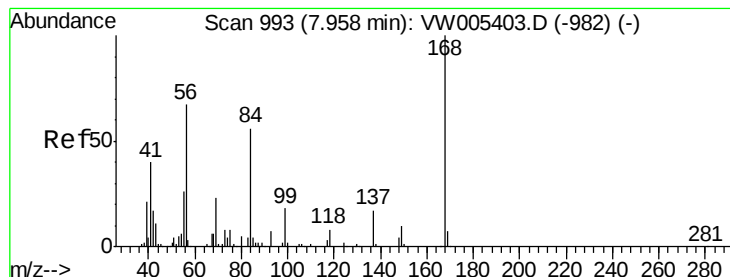
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
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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: VW005446.D

Acq: 17 Sep 2018 20:33

Instrument :

MSVOA_W

ClientSampleId :

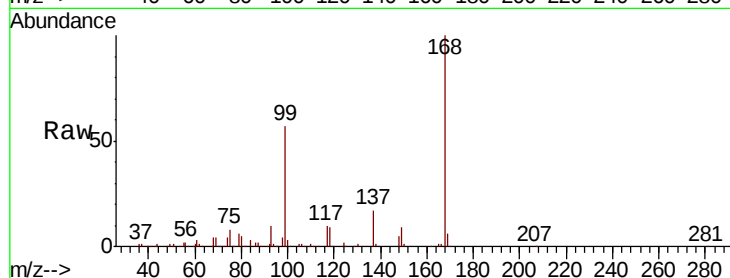
RB47198RT

Tgt Ion:168 Resp: 219467

Ion Ratio Lower Upper

168 100

99 57.3 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

100000

80000

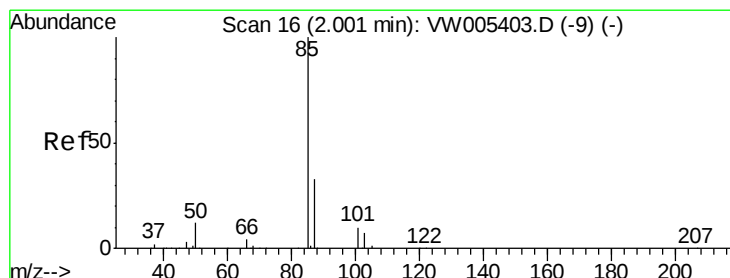
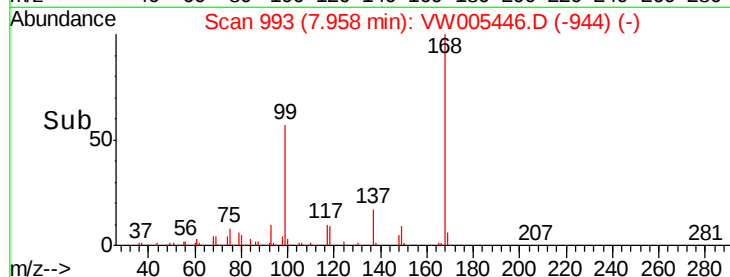
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW005446.D

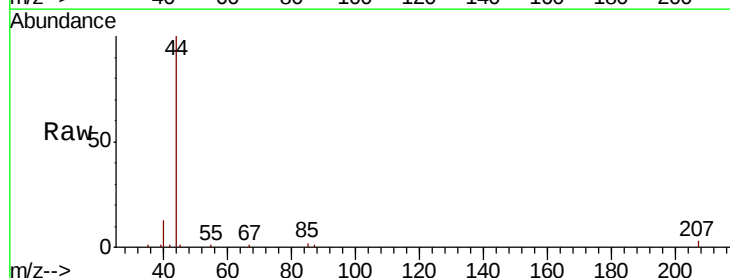
Acq: 17 Sep 2018 20:33

Tgt Ion: 85 Resp: 278

Ion Ratio Lower Upper

85 100

87 34.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

200

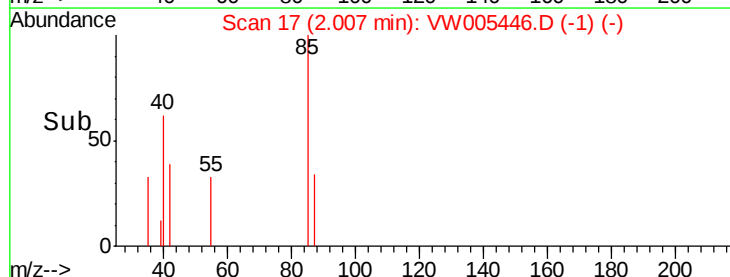
150

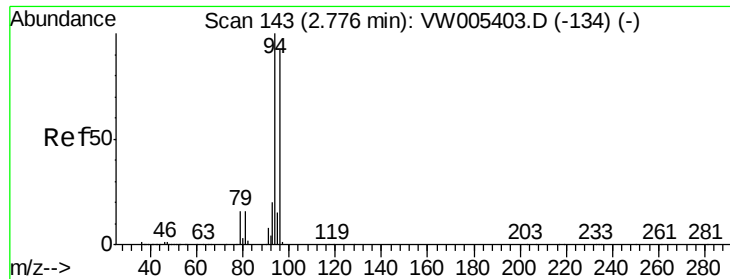
100

50

0

Time--> 1.95 2.00 2.05





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW005446.D

Acq: 17 Sep 2018 20:33

Instrument :

MSVOA_W

ClientSampleID :

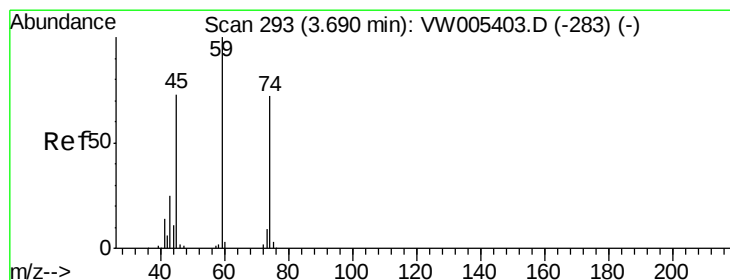
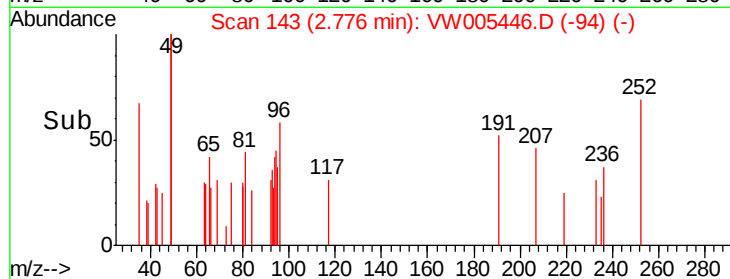
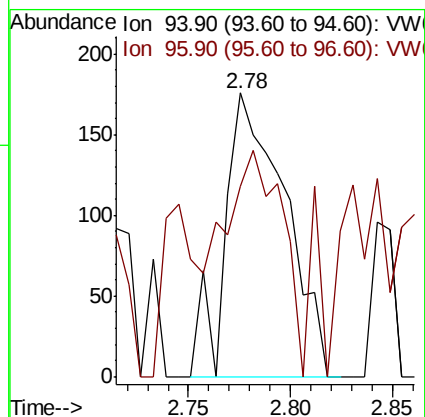
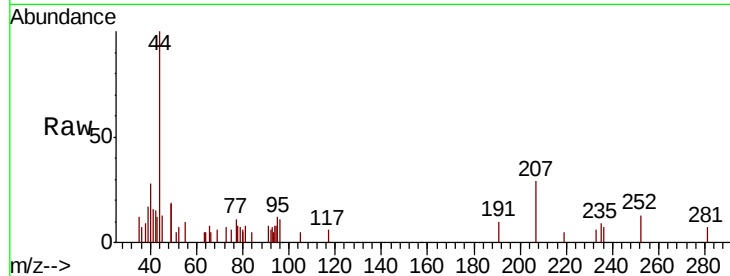
RB47198RT

Tgt Ion: 94 Resp: 359

Ion Ratio Lower Upper

94 100

96 25.6 73.7 110.5#



#8

Diethyl Ether

Concen: 1.368 ug/l

RT: 3.69 min Scan# 293

Delta R.T. -0.00 min

Lab File: VW005446.D

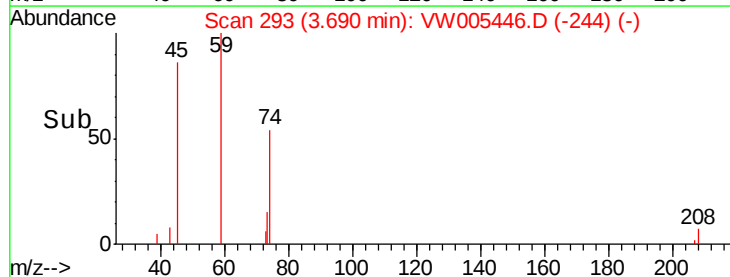
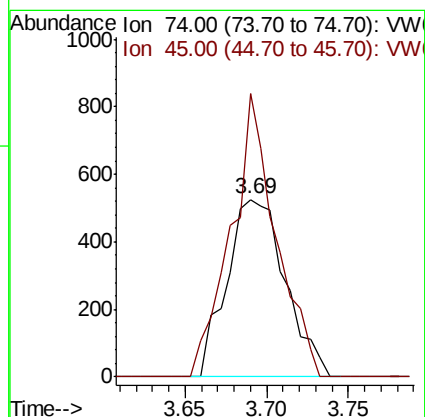
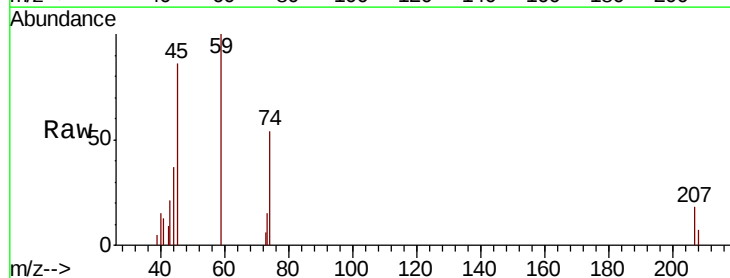
Acq: 17 Sep 2018 20:33

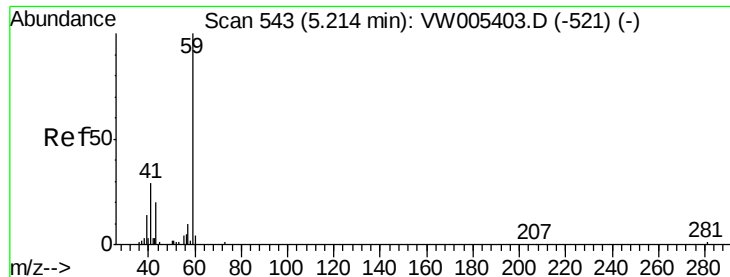
Tgt Ion: 74 Resp: 1307

Ion Ratio Lower Upper

74 100

45 123.0 53.1 159.3

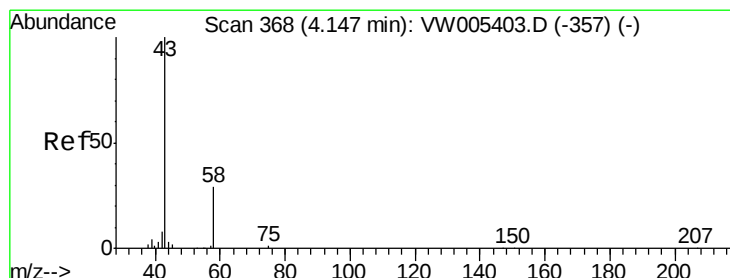
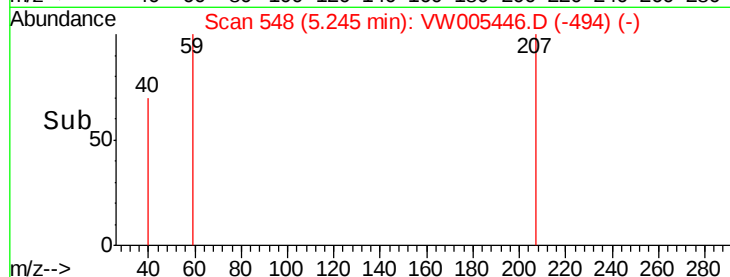
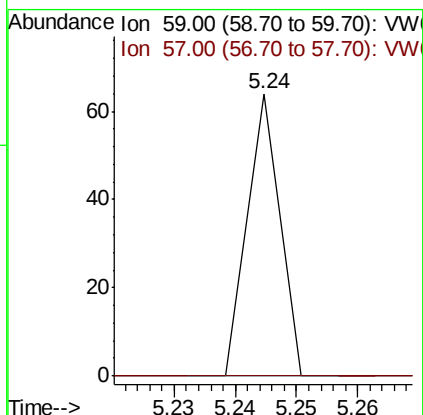
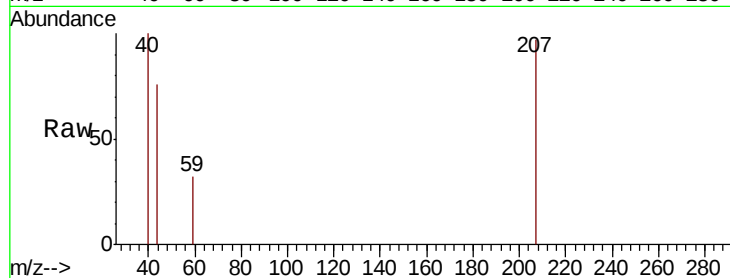




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.24 min Scan# 548
Delta R.T. 0.03 min
Lab File: VW005446.D
Acq: 17 Sep 2018 20:33

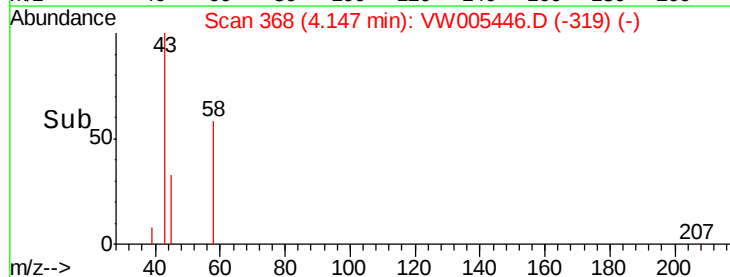
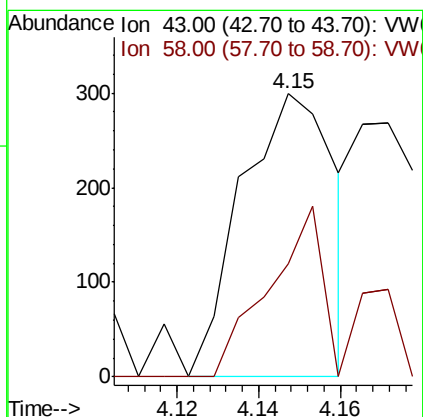
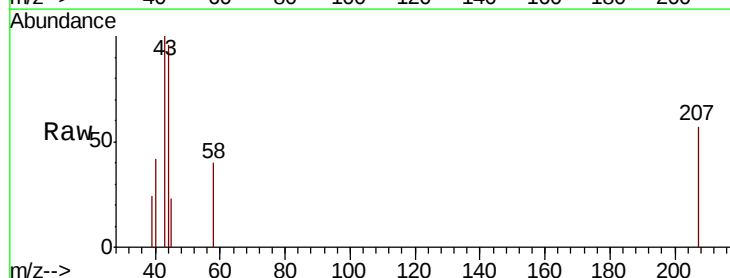
Instrument :
MSVOA_W
ClientSampled :
RB47198RT

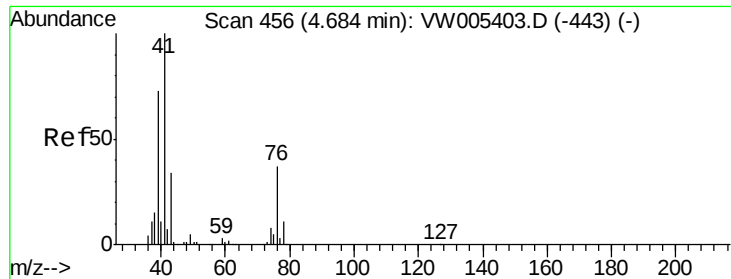
Tgt Ion: 59 Resp: 23
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#16
Acetone
Concen: Below Cal
RT: 4.15 min Scan# 368
Delta R.T. 0.00 min
Lab File: VW005446.D
Acq: 17 Sep 2018 20:33

Tgt Ion: 43 Resp: 475
Ion Ratio Lower Upper
43 100
58 39.8 22.8 34.2#

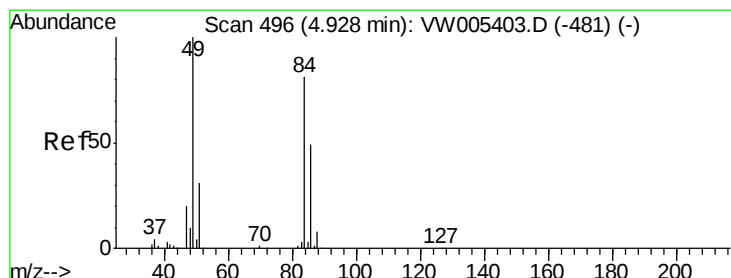
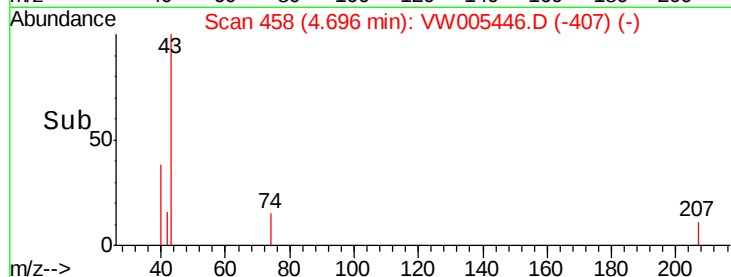
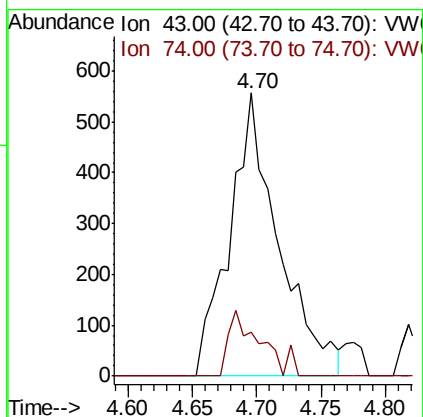
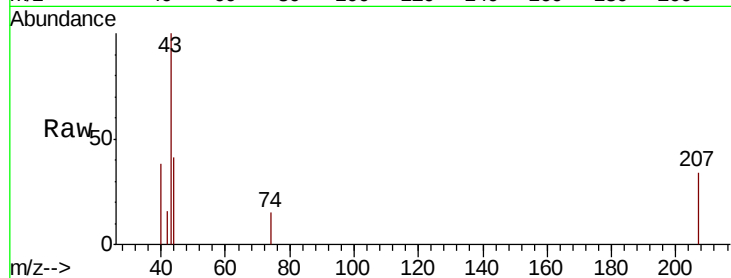




#18
Methyl Acetate
Concen: 1.347 ug/l
RT: 4.70 min Scan# 458
Delta R.T. 0.01 min
Lab File: VW005446.D
Acq: 17 Sep 2018 20:33

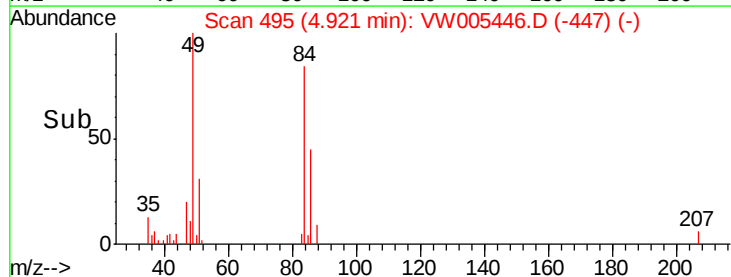
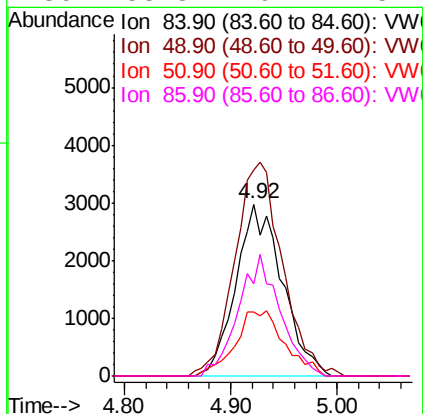
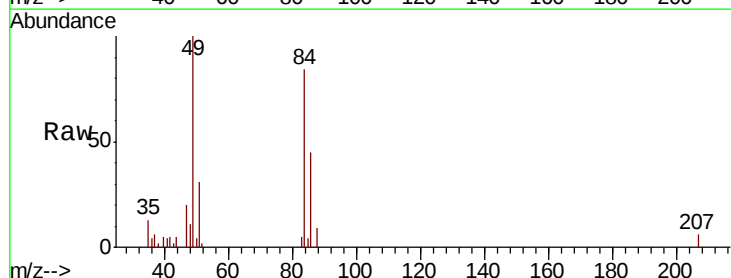
Instrument :
MSVOA_W
ClientSampleId :
RB47198RT

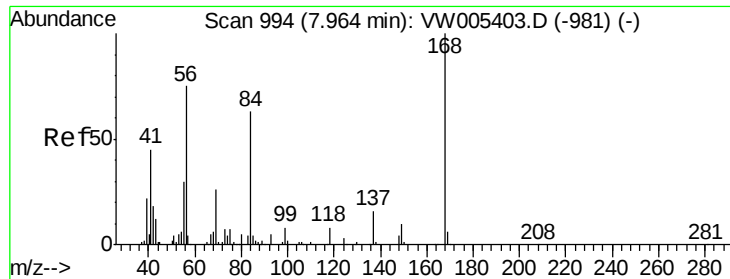
Tgt Ion: 43 Resp: 1475
Ion Ratio Lower Upper
43 100
74 13.8 17.7 26.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005446.D
Acq: 17 Sep 2018 20:33

Tgt Ion: 84 Resp: 9071
Ion Ratio Lower Upper
84 100
49 119.6 99.3 148.9
51 37.2 31.1 46.7
86 53.8 49.1 73.7

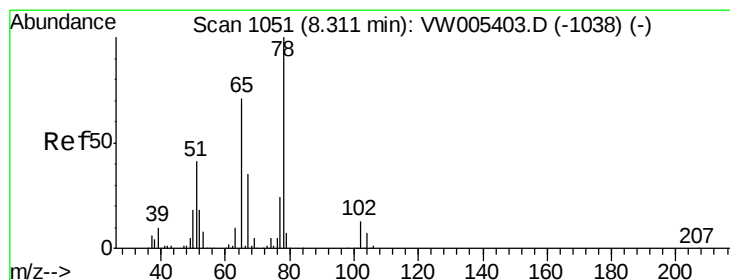
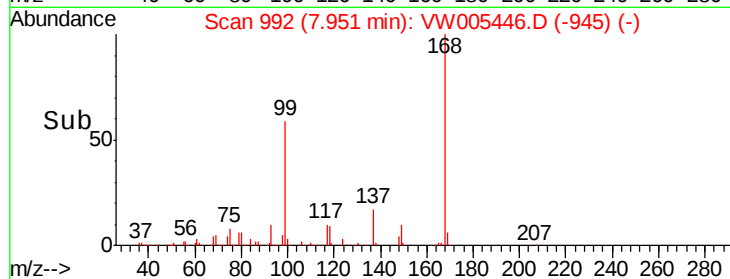
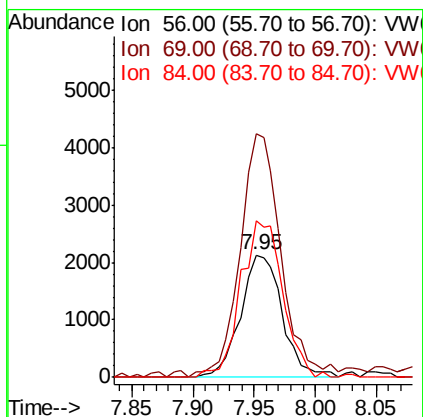
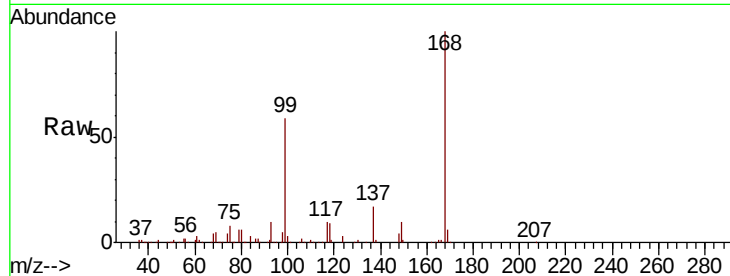




#31
Cyclohexane
Concen: 1.388 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005446.D
Acq: 17 Sep 2018 20:33

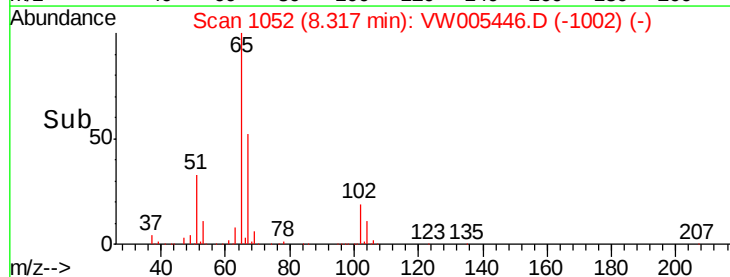
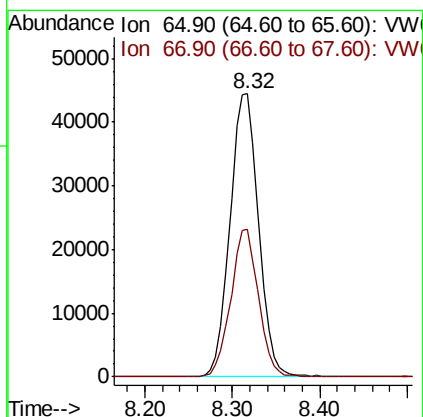
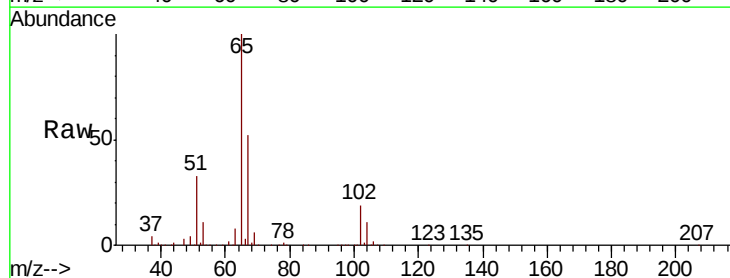
Instrument :
MSVOA_W
ClientSampleId :
RB47198RT

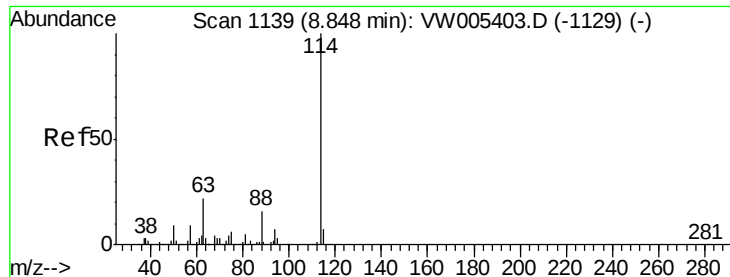
Tgt Ion: 56 Resp: 5045
Ion Ratio Lower Upper
56 100
69 198.8 27.2 40.8#
84 127.7 66.7 100.1#



#33
1,2-Dichloroethane-d4
Concen: 44.399 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VW005446.D
Acq: 17 Sep 2018 20:33

Tgt Ion: 65 Resp: 101145
Ion Ratio Lower Upper
65 100
67 50.4 0.0 100.6

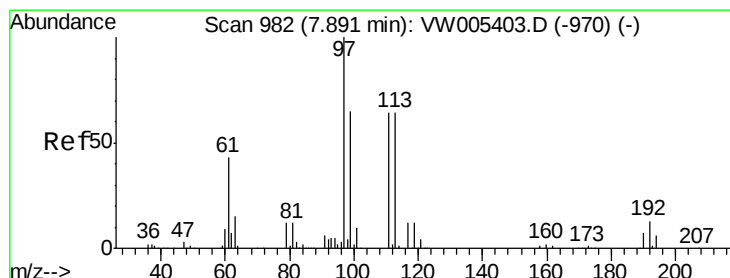
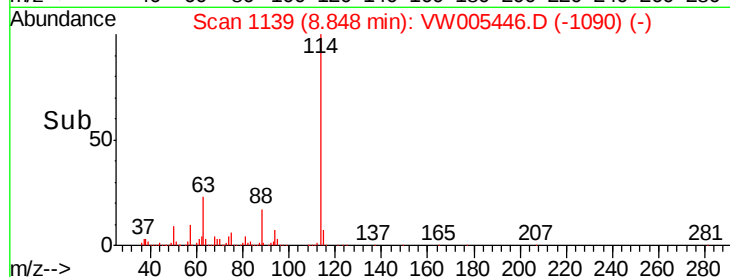
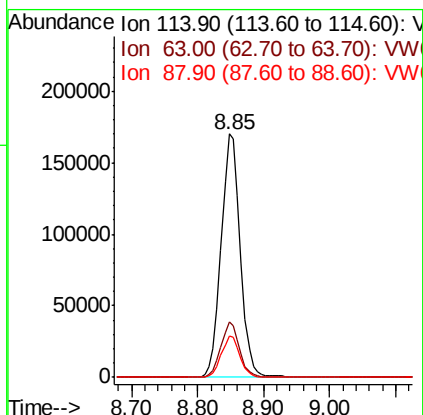
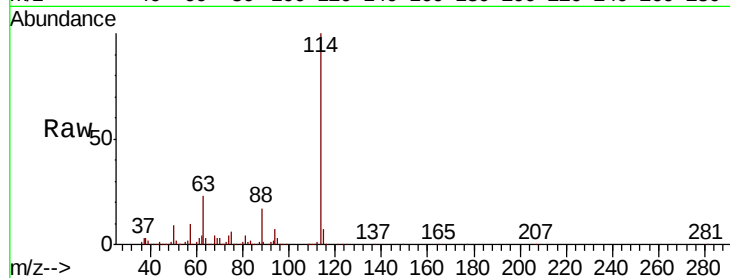




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005446.D
 Acq: 17 Sep 2018 20:33

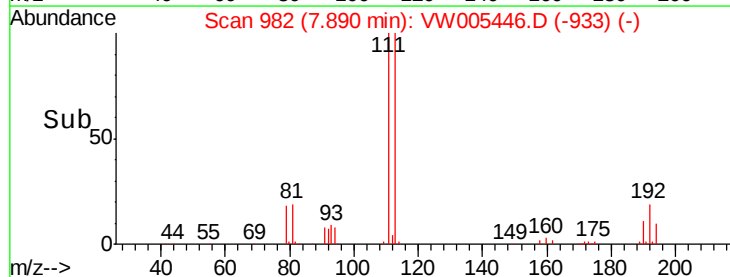
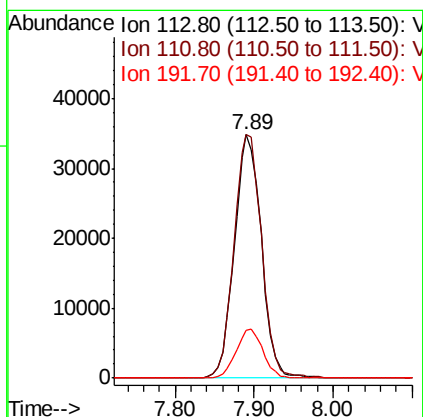
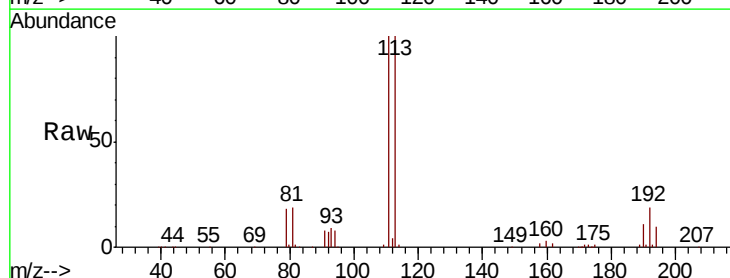
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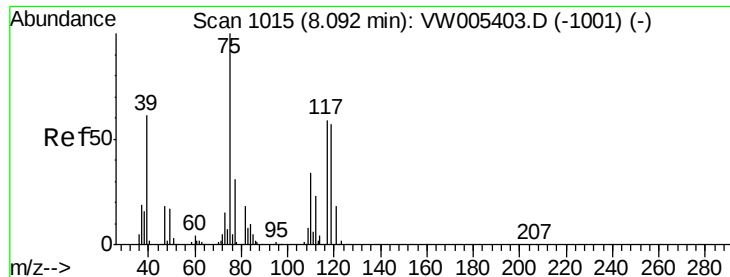
Tgt Ion:114 Resp: 340059
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.4
 88 16.8 0.0 31.8



#35
 Dibromofluoromethane
 Concen: 43.376 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005446.D
 Acq: 17 Sep 2018 20:33

Tgt Ion:113 Resp: 82703
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.3 123.5
 192 20.1 16.5 24.7





#36

1,1-Dichloropropene

Concen: 5.275 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.13 min

Lab File: VW005446.D

Acq: 17 Sep 2018 20:33

Instrument :

MSVOA_W

ClientSampleId :

RB47198RT

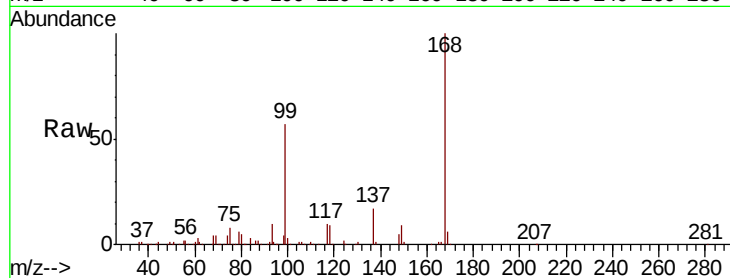
Tgt Ion: 75 Resp: 16976

Ion Ratio Lower Upper

75 100

110 10.8 16.8 50.4#

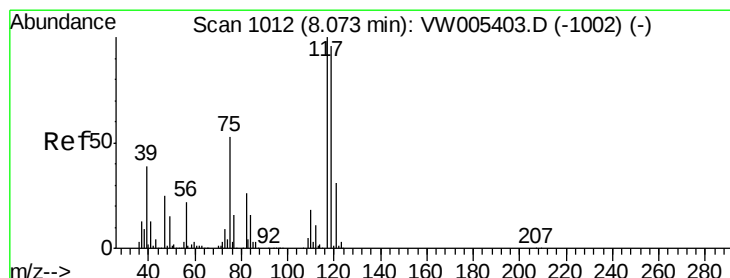
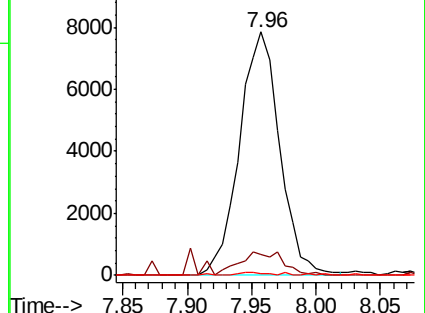
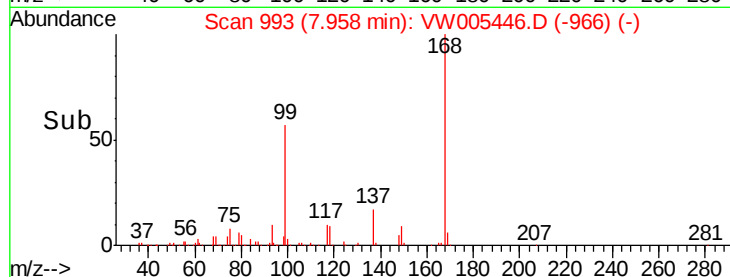
77 0.7 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.493 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005446.D

Acq: 17 Sep 2018 20:33

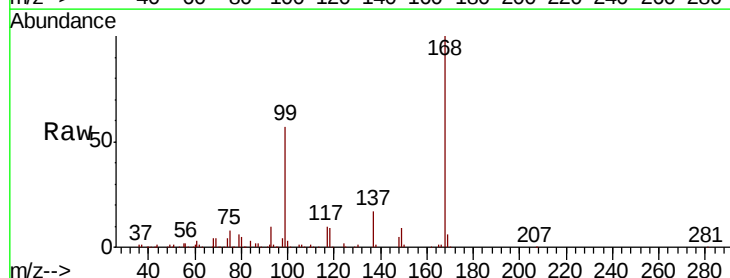
Tgt Ion: 117 Resp: 21776

Ion Ratio Lower Upper

117 100

119 4.2 76.8 115.2#

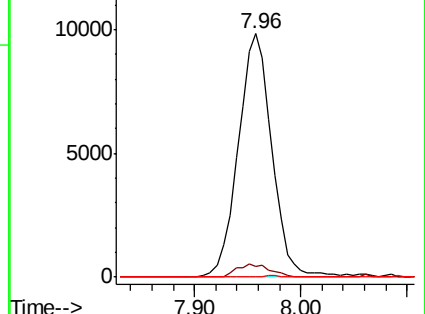
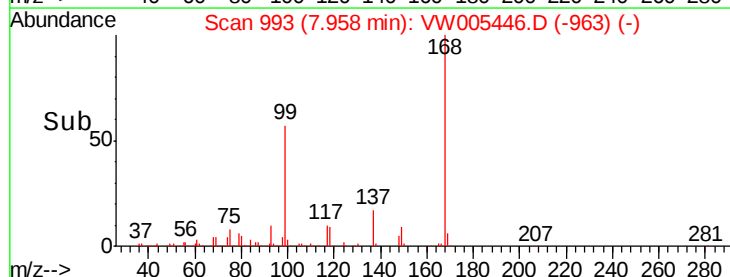
121 0.0 24.7 37.1#

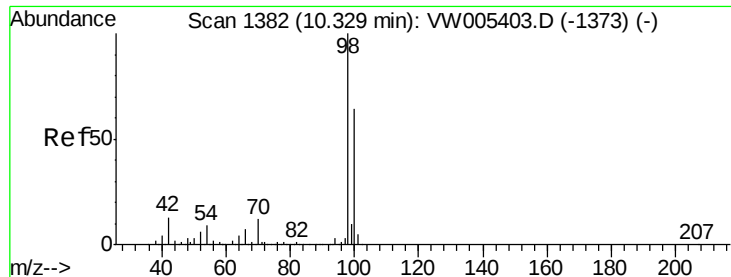


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

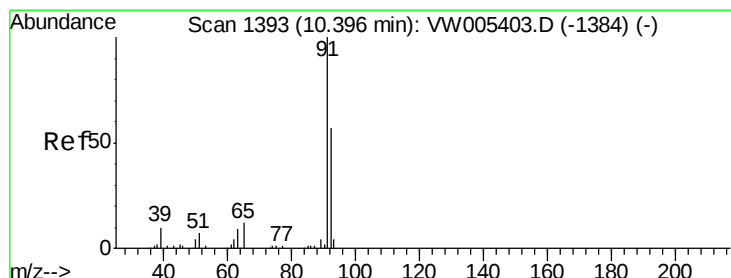
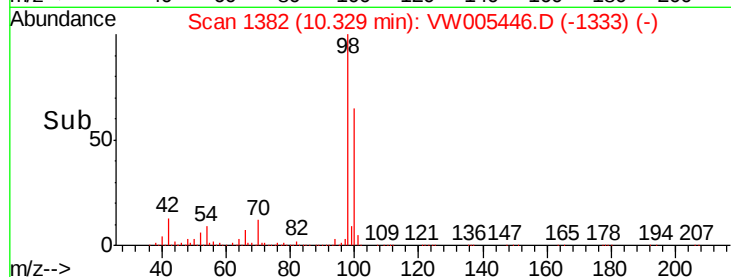
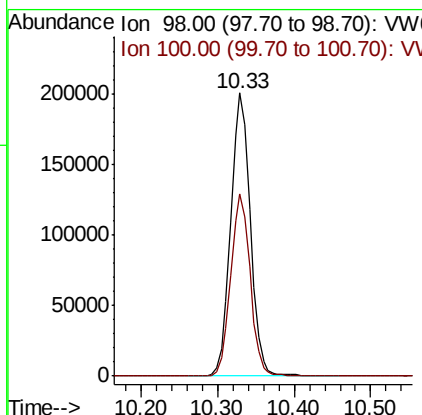
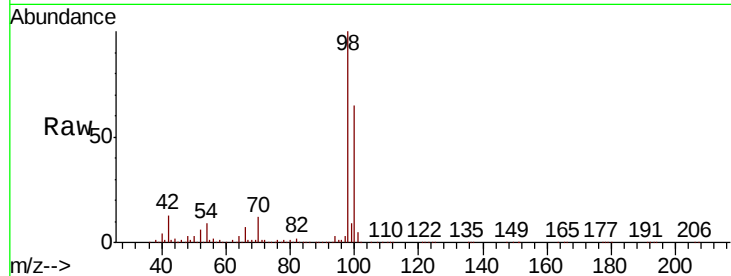




#50
Toluene-d8
Concen: 40.766 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005446.D
Acq: 17 Sep 2018 20:33

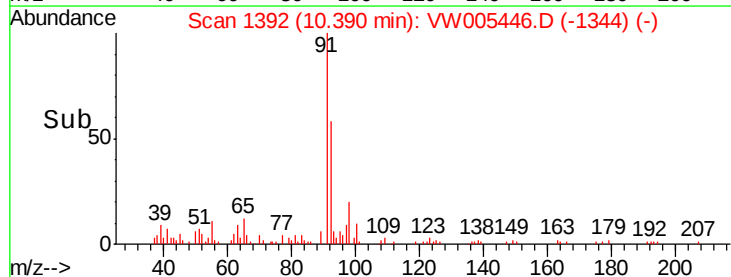
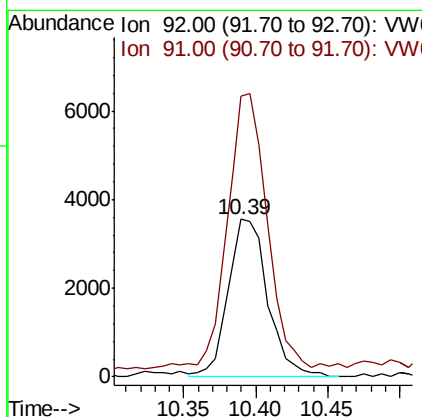
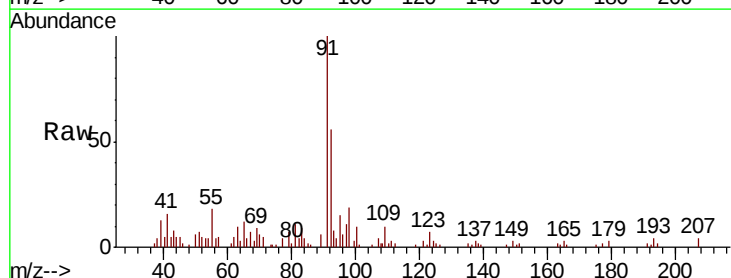
Instrument :
MSVOA_W
ClientSampleId :
RB47198RT

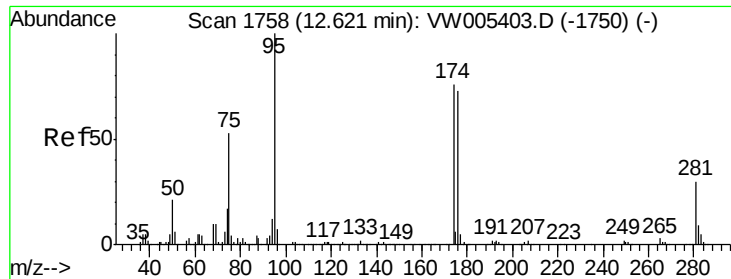
Tgt Ion: 98 Resp: 355955
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



#52
Toluene
Concen: 1.082 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.01 min
Lab File: VW005446.D
Acq: 17 Sep 2018 20:33

Tgt Ion: 92 Resp: 6832
Ion Ratio Lower Upper
92 100
91 175.1 139.1 208.7

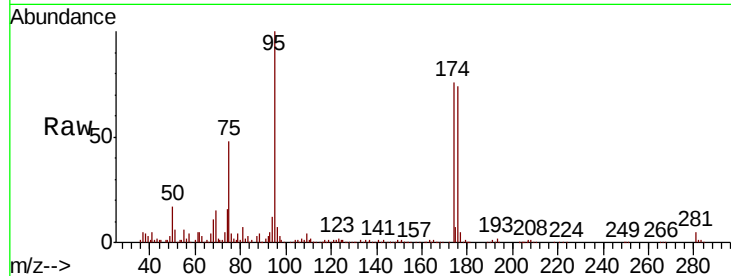




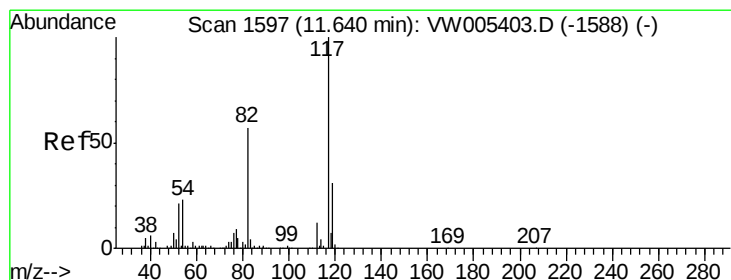
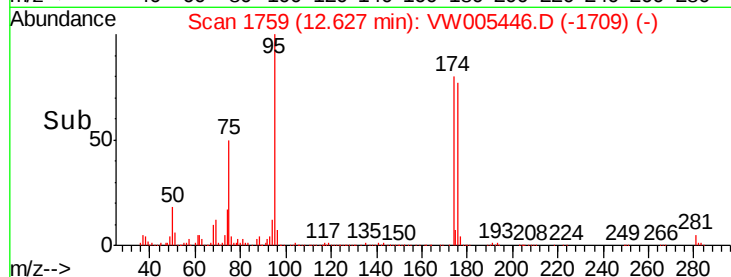
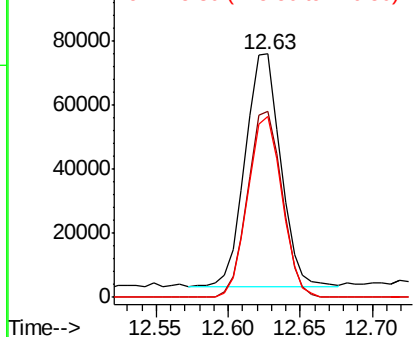
#62
4-Bromofluorobenzene
Concen: 38.465 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW005446.D
Acq: 17 Sep 2018 20:33

Instrument :
MSVOA_W
ClientSampleId :
RB47198RT

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	161.2
176	75.2	0.0	156.6

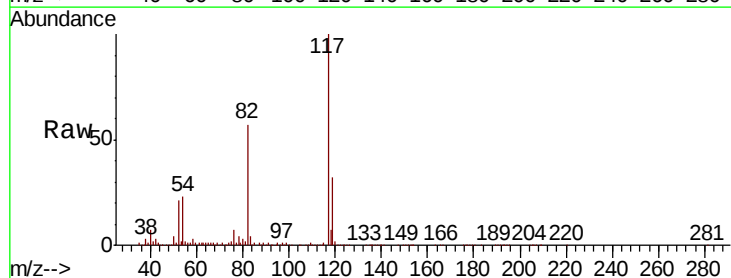


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

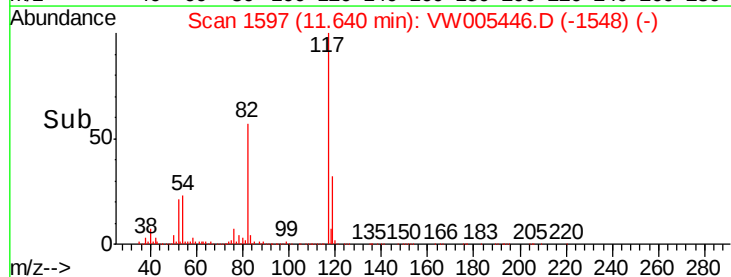
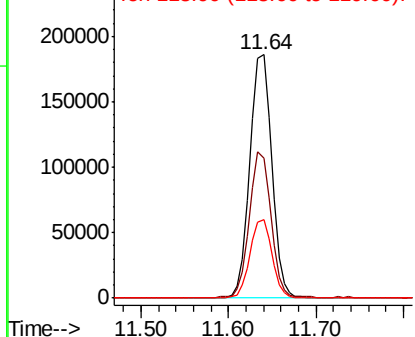


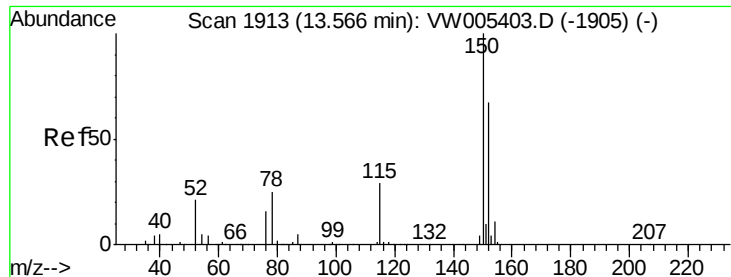
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005446.D
Acq: 17 Sep 2018 20:33

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.9	68.9
119	32.3	24.8	37.2



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005446.D

Acq: 17 Sep 2018 20:33

Instrument :

MSVOA_W

ClientSampleId :

RB47198RT

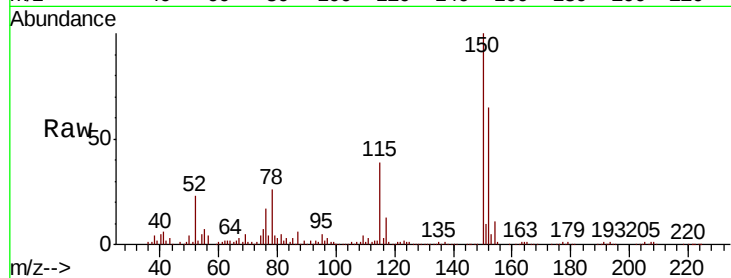
Tgt Ion:152 Resp: 134520

Ion Ratio Lower Upper

152 100

115 59.3 29.5 88.5

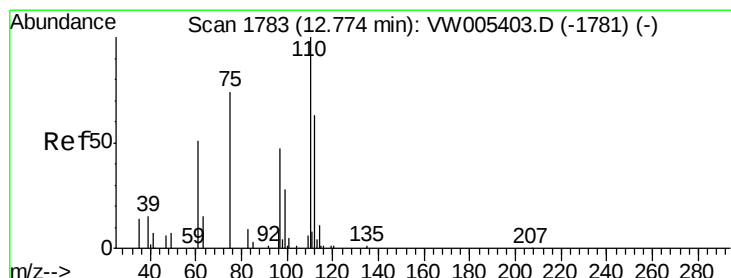
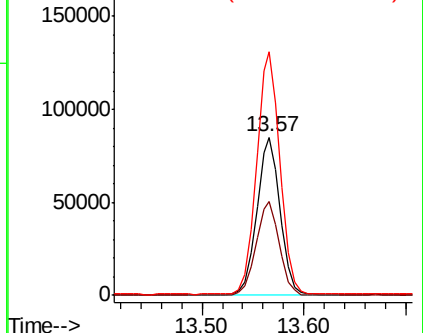
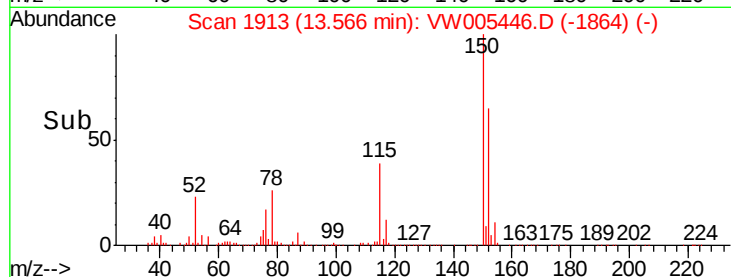
150 154.4 0.0 345.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 56.482 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005446.D

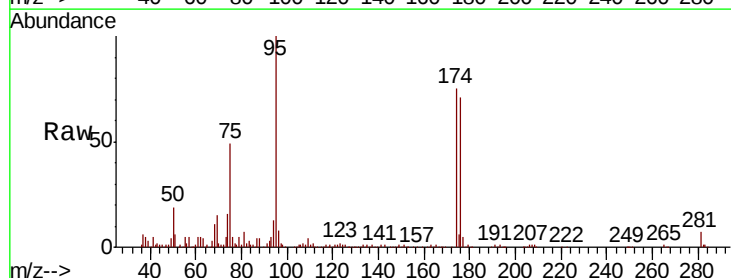
Acq: 17 Sep 2018 20:33

Tgt Ion: 75 Resp: 62491

Ion Ratio Lower Upper

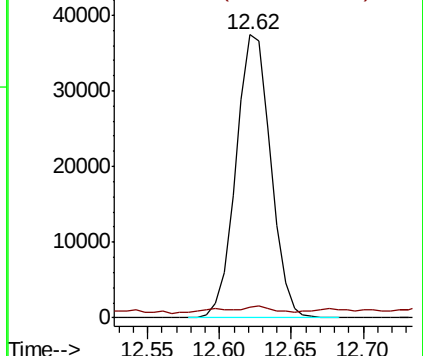
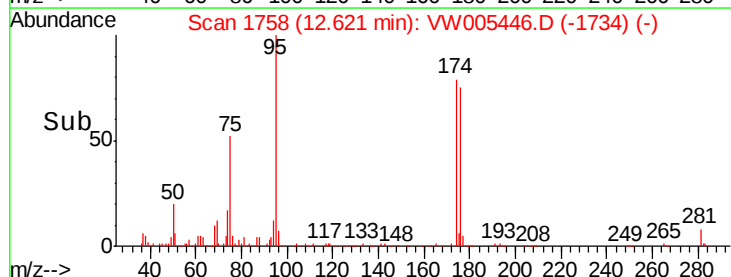
75 100

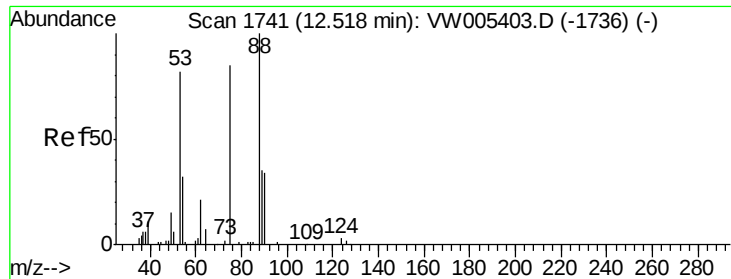
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 146.517 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005446.D

Acq: 17 Sep 2018 20:33

Instrument :

MSVOA_W

ClientSampleId :

RB47198RT

Tgt Ion: 75 Resp: 62491

Ion Ratio Lower Upper

75 100

53 0.3 83.2 124.8#

89 0.2 36.6 54.8#

