

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092718\
 Data File : VW005702.D
 Acq On : 27 Sep 2018 16:09
 Operator : VA/AP
 Sample : J5097-05RE
 Misc : 5.09G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-3RE

Quant Time: Sep 28 01:22:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

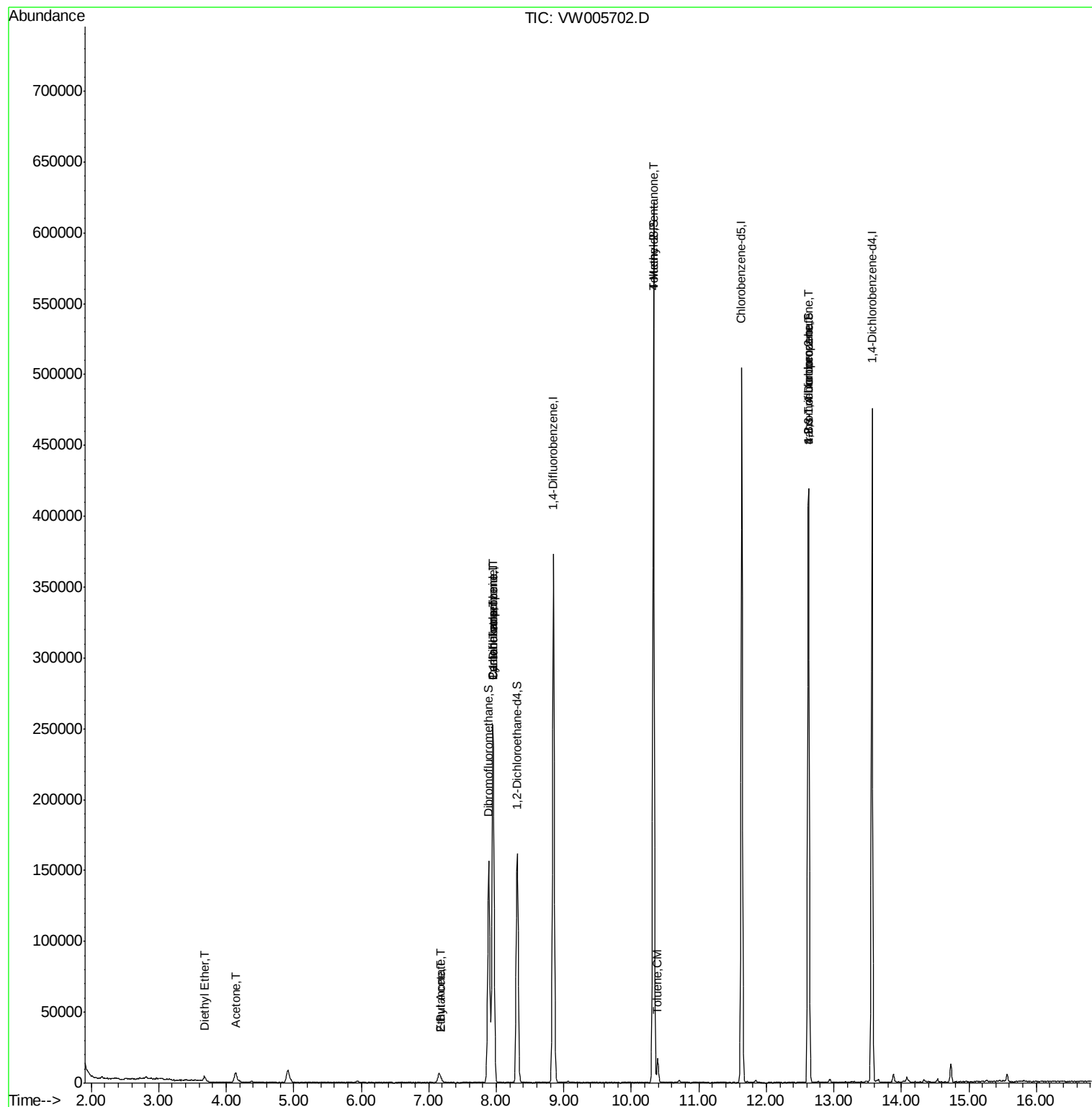
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	186827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	301228	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	277426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	124836	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	134396	61.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.12%	
35) Dibromofluoromethane	7.89	113	108359	57.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.40%	
50) Toluene-d8	10.33	98	404795	52.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.96%	
62) 4-Bromofluorobenzene	12.63	95	132447	46.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.82%	
Target Compounds						
8) Diethyl Ether	3.68	74	1974	2.152	ug/l	82
11) Tert butyl alcohol	5.21	59	26	Below Cal	#	72
13) Acrolein	3.90	56	128	Below Cal	#	46
16) Acetone	4.14	43	13714	31.383	ug/l	95
20) Methylene Chloride	4.91	84	7414	Below Cal		90
25) 2-Butanone	7.18	43	2706	5.062	ug/l #	81
31) Cyclohexane	7.95	56	4260	1.248	ug/l #	13
36) 1,1-Dichloropropene	7.95	75	14300	4.716	ug/l #	50
37) Ethyl Acetate	7.18	43	2706	2.121	ug/l #	70
38) Carbon Tetrachloride	7.95	117	18412	5.666	ug/l #	16
51) 4-Methyl-2-Pentanone	10.33	43	2033	1.609	ug/l #	1
52) Toluene	10.39	92	6582	1.228	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	69209	65.037	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	69209	146.484	ug/l #	7

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

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MSVOA_W
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TP-3RE

Quant Time: Sep 28 01:22:16 2018
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Quant Title : SW846 8260
QLast Update : Fri Sep 21 09:05:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005702.D

Acq: 27 Sep 2018 16:09

Instrument :

MSVOA_W

ClientSampleId :

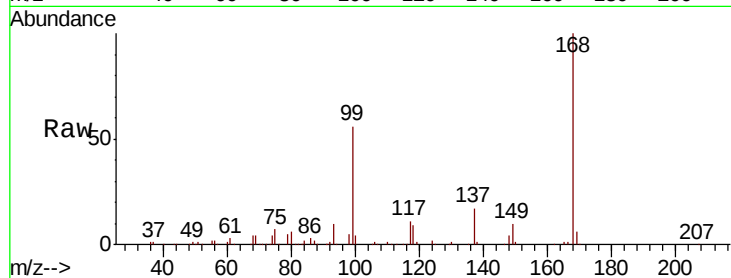
TP-3RE

Tgt Ion:168 Resp: 186827

Ion Ratio Lower Upper

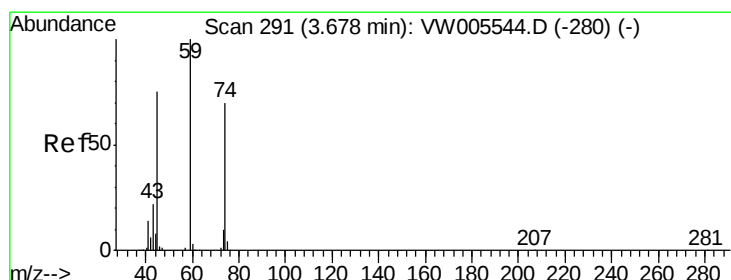
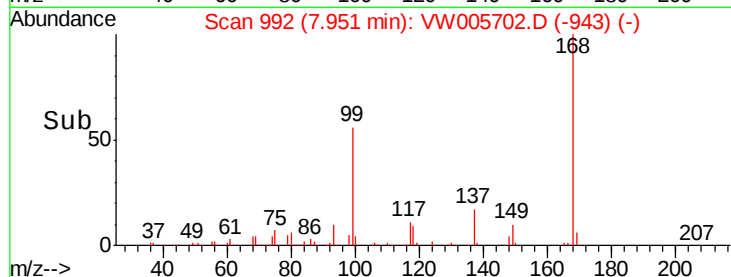
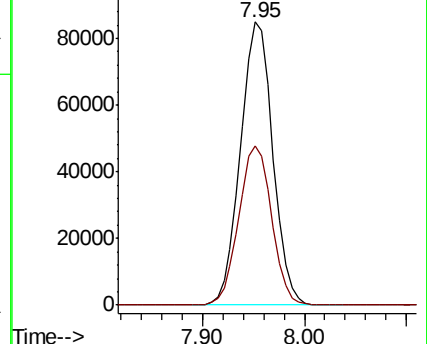
168 100

99 56.1 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.152 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW005702.D

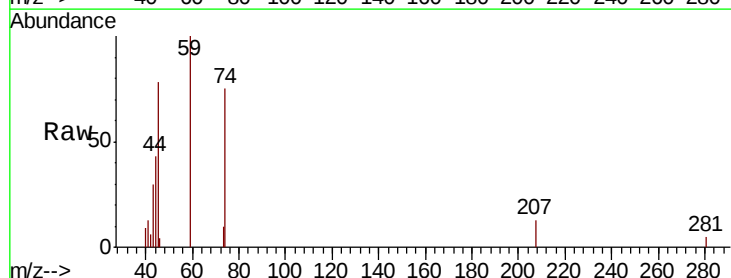
Acq: 27 Sep 2018 16:09

Tgt Ion: 74 Resp: 1974

Ion Ratio Lower Upper

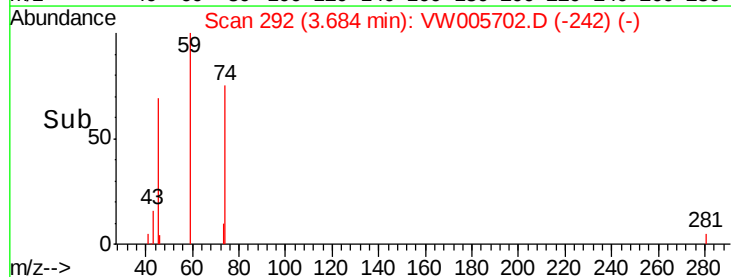
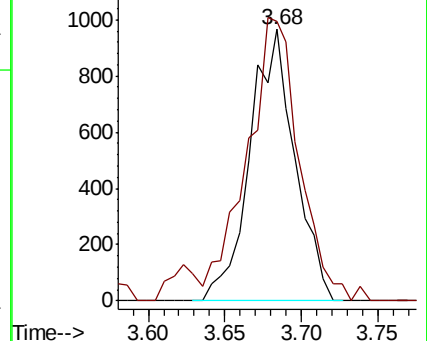
74 100

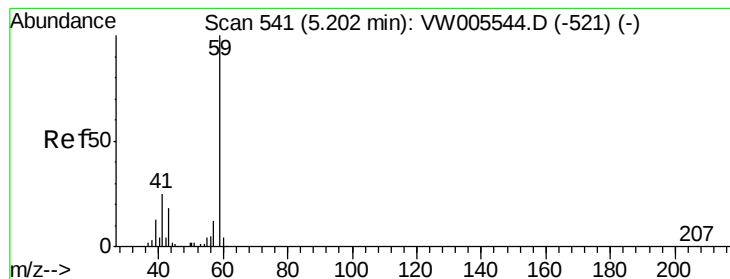
45 122.2 51.7 155.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



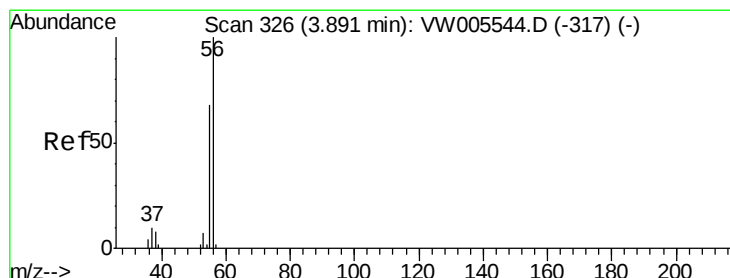
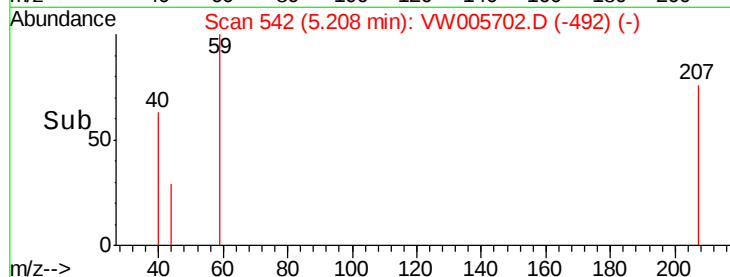
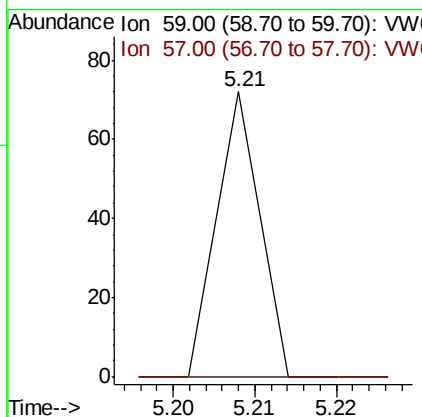
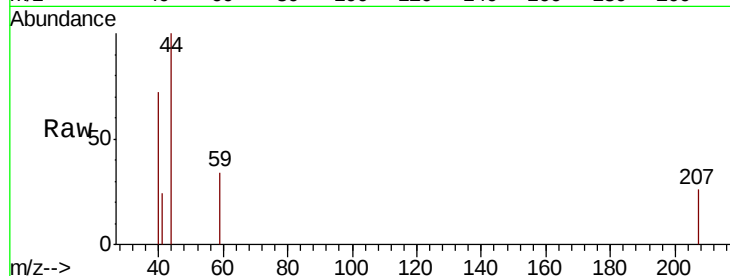


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 542
 Delta R.T. 0.01 min
 Lab File: VW005702.D
 Acq: 27 Sep 2018 16:09

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-3RE

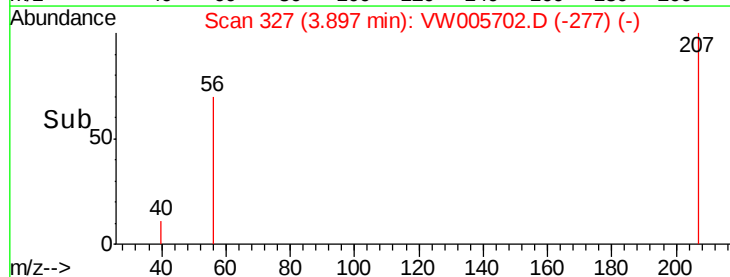
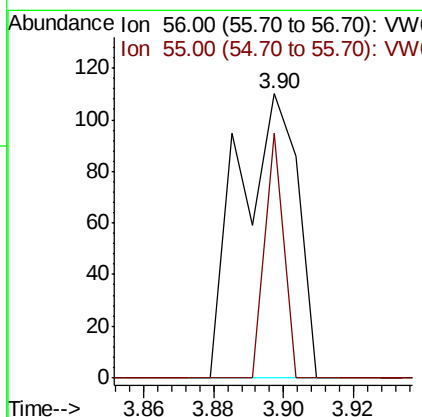
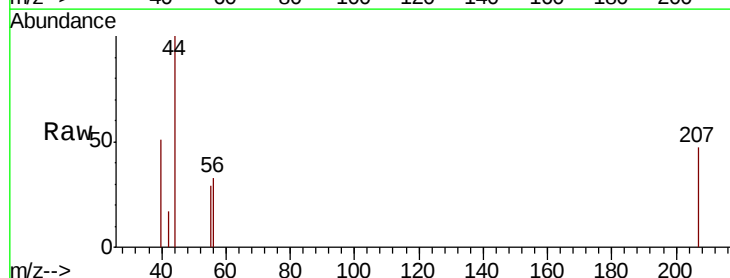
Tgt Ion: 59 Resp: 26
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

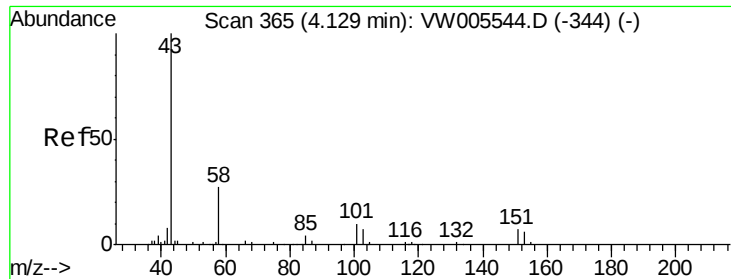


#13

Acrolein
 Concen: Below Cal
 RT: 3.90 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VW005702.D
 Acq: 27 Sep 2018 16:09

Tgt Ion: 56 Resp: 128
 Ion Ratio Lower Upper
 56 100
 55 27.3 57.8 86.8#





#16

Acetone

Concen: 31.383 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW005702.D

Acq: 27 Sep 2018 16:09

Instrument :

MSVOA_W

ClientSampleId :

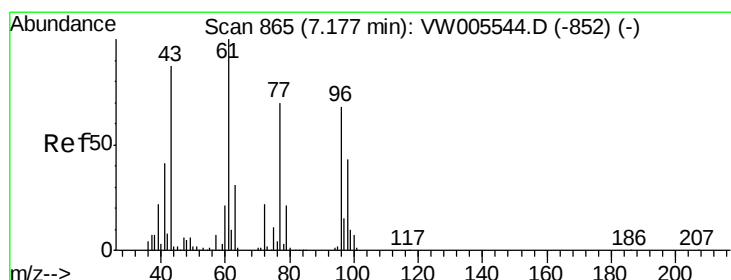
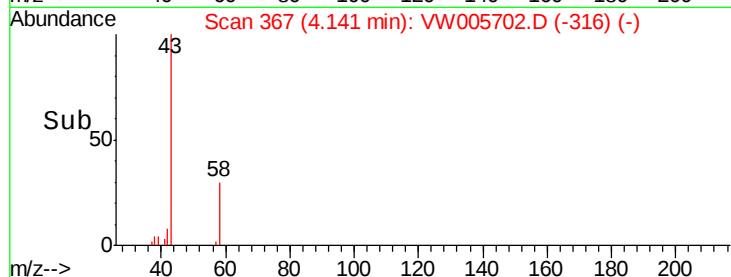
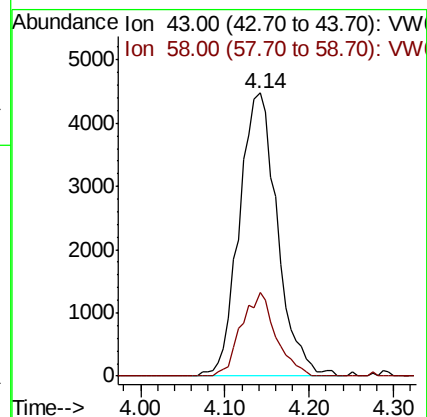
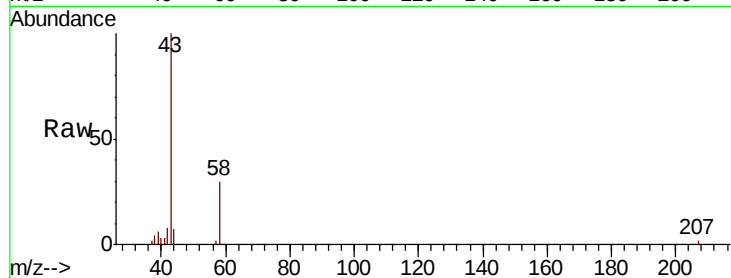
TP-3RE

Tgt Ion: 43 Resp: 13714

Ion Ratio Lower Upper

43 100

58 29.7 21.8 32.8



#25

2-Butanone

Concen: 5.062 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005702.D

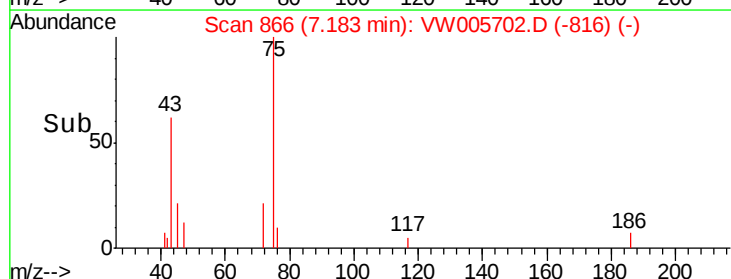
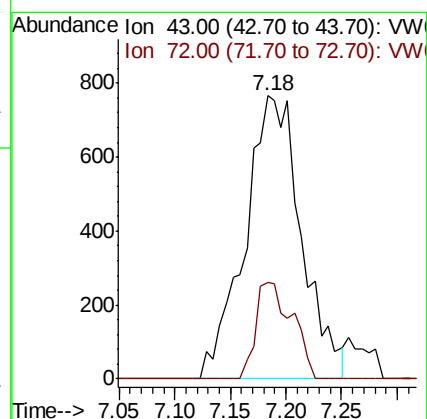
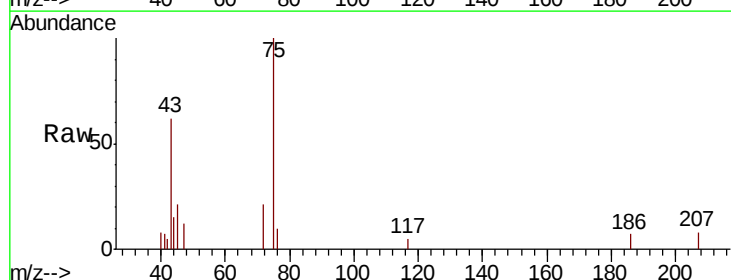
Acq: 27 Sep 2018 16:09

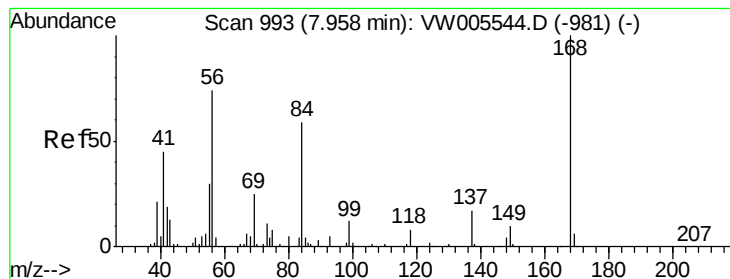
Tgt Ion: 43 Resp: 2706

Ion Ratio Lower Upper

43 100

72 34.2 19.9 29.9#





#31

Cyclohexane

Concen: 1.248 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005702.D

Acq: 27 Sep 2018 16:09

Instrument :

MSVOA_W

ClientSampled :

TP-3RE

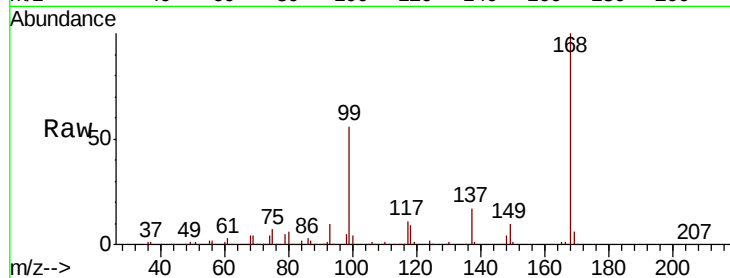
Tgt Ion: 56 Resp: 4260

Ion Ratio Lower Upper

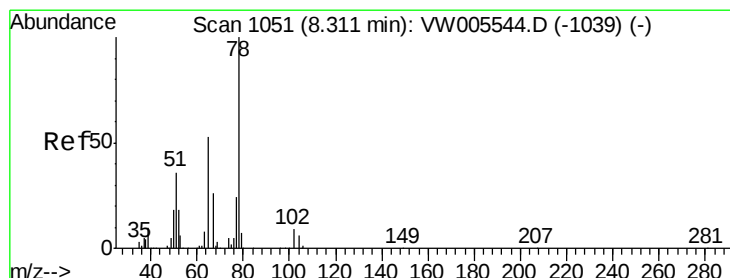
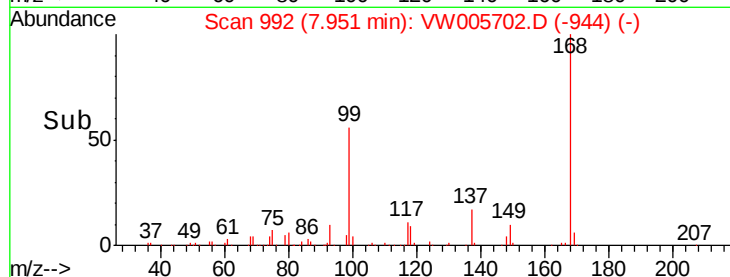
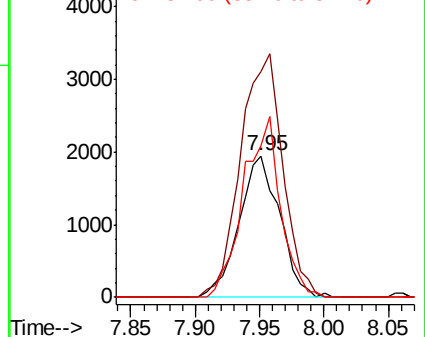
56 100

69 159.6 27.0 40.4#

84 107.1 64.2 96.4#



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: 61.063 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005702.D

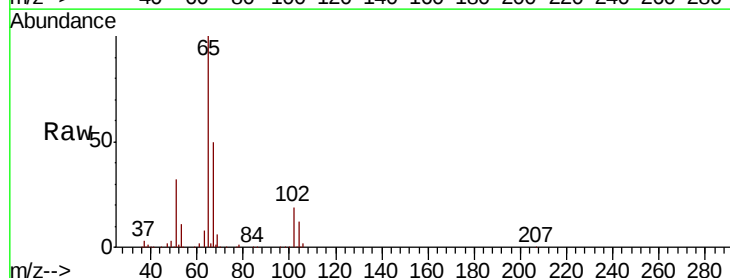
Acq: 27 Sep 2018 16:09

Tgt Ion: 65 Resp: 134396

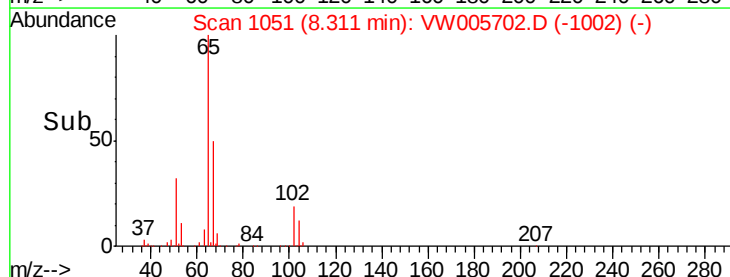
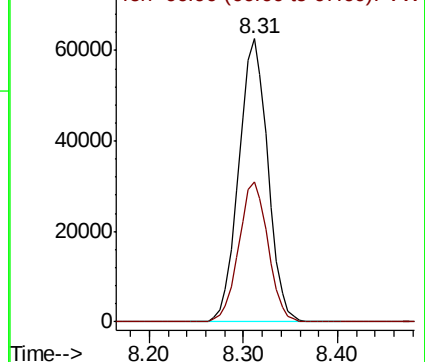
Ion Ratio Lower Upper

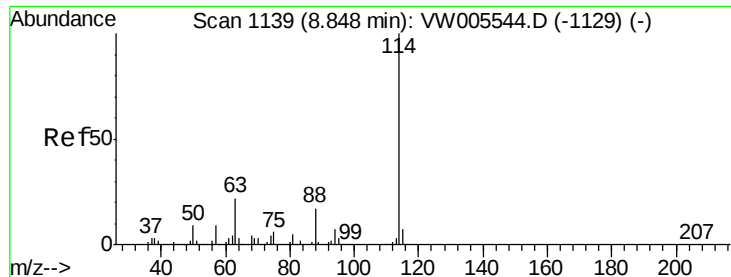
65 100

67 50.1 0.0 100.6



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

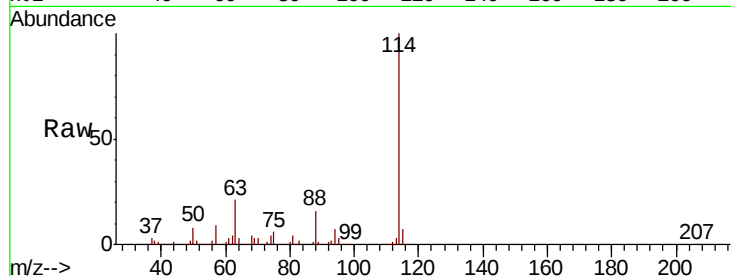




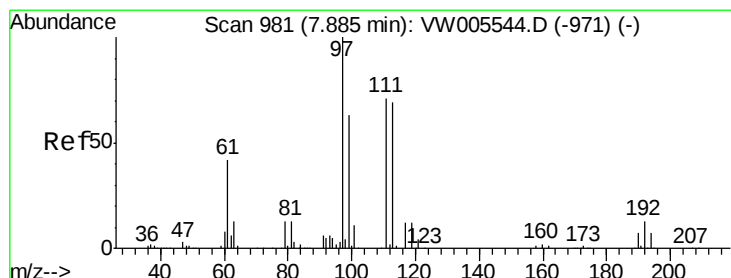
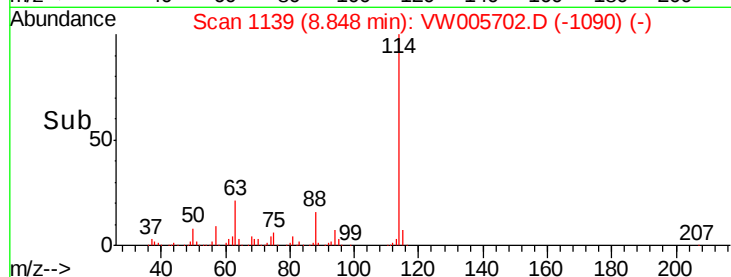
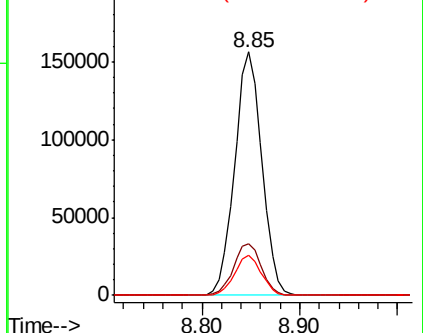
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005702.D
 Acq: 27 Sep 2018 16:09

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-3RE

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.0
88	16.4	0.0	33.0

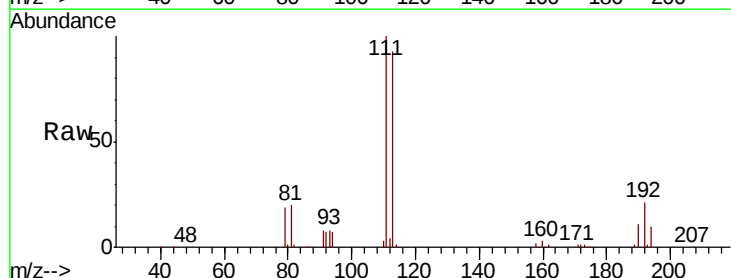


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

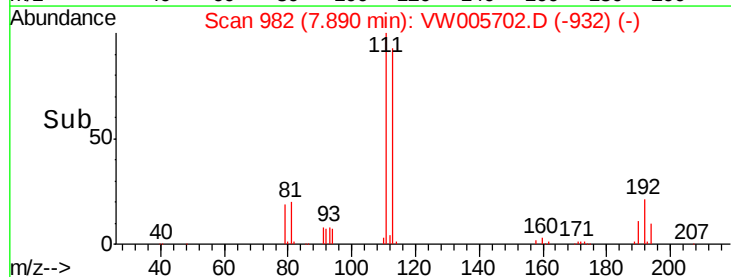
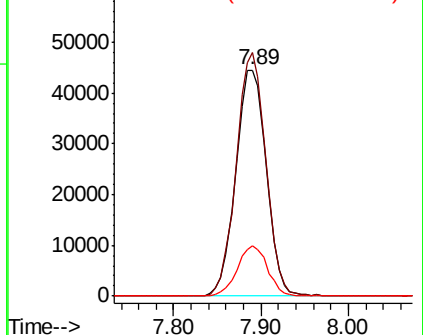


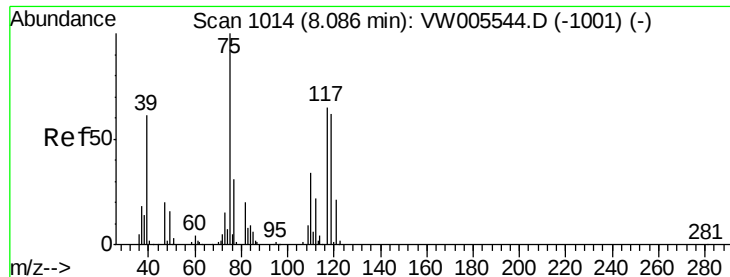
#35
 Dibromofluoromethane
 Concen: 57.203 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005702.D
 Acq: 27 Sep 2018 16:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.6	123.8
192	21.7	17.0	25.4



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

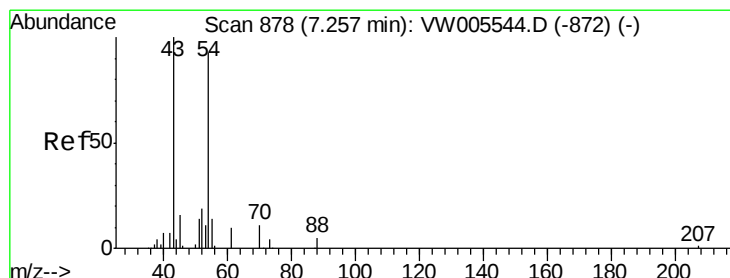
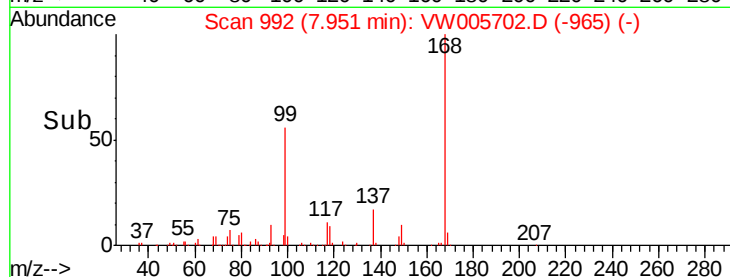
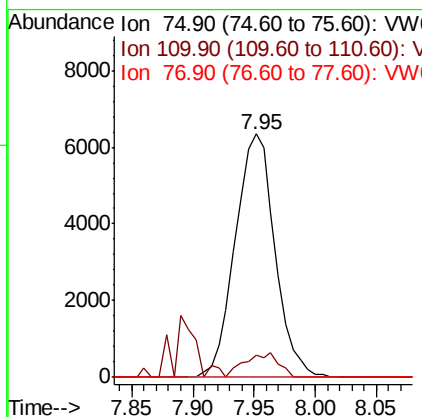
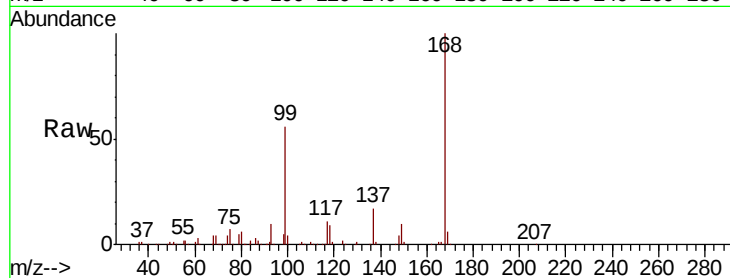




#36
 1,1-Dichloropropene
 Concen: 4.716 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005702.D
 Acq: 27 Sep 2018 16:09

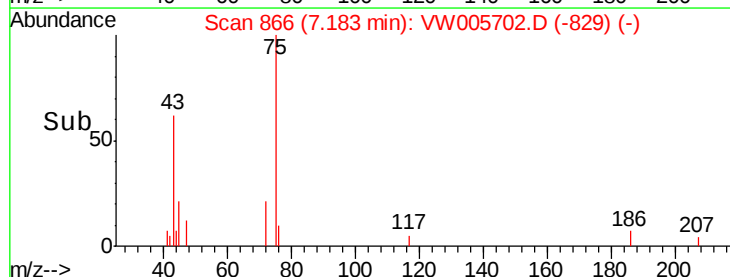
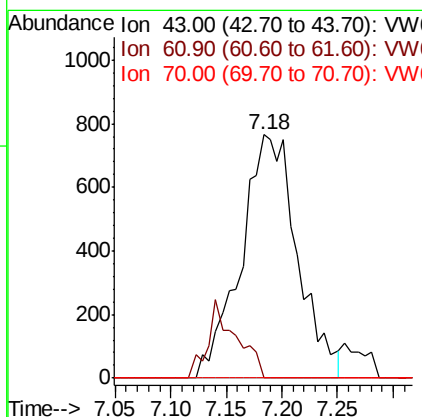
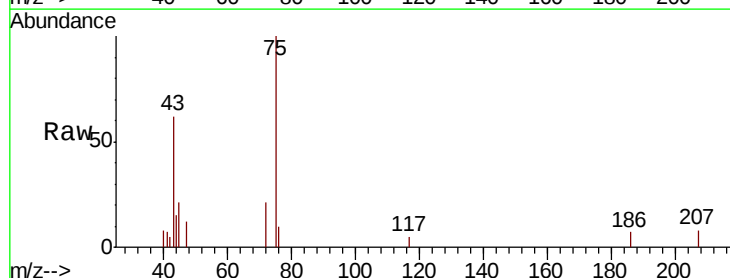
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-3RE

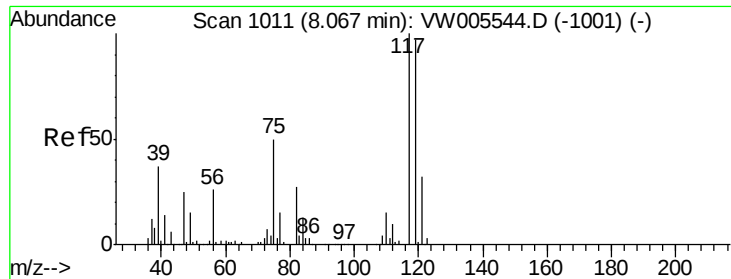
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.0	50.9#
77	0.0	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 2.121 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.07 min
 Lab File: VW005702.D
 Acq: 27 Sep 2018 16:09

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.4	15.6#
70	0.0	8.2	12.2#

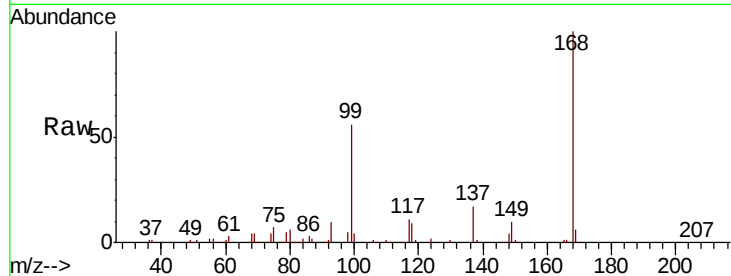




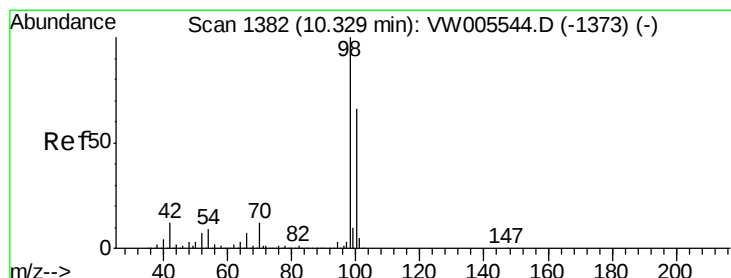
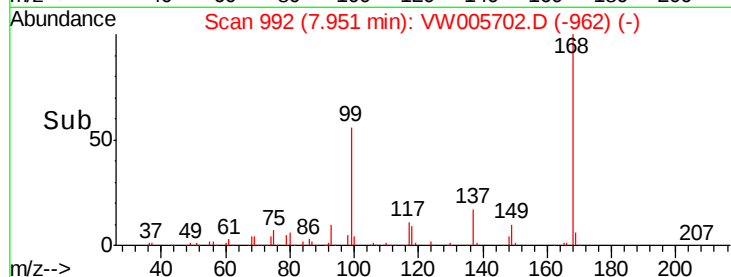
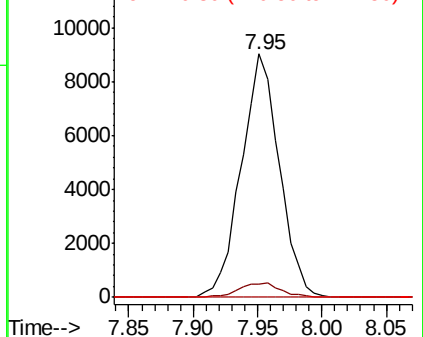
#38
Carbon Tetrachloride
Concen: 5.666 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW005702.D
Acq: 27 Sep 2018 16:09

Instrument :
MSVOA_W
ClientSampled :
TP-3RE

Tgt Ion:117 Resp: 18412
Ion Ratio Lower Upper
117 100
119 5.6 77.6 116.4#
121 0.0 25.7 38.5#

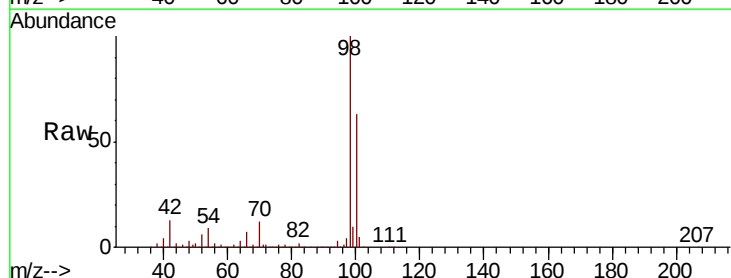


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

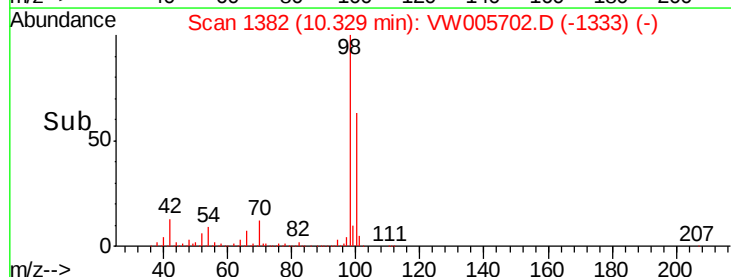
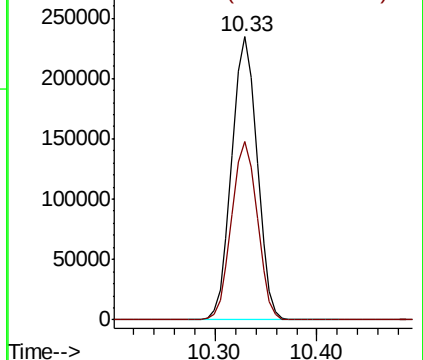


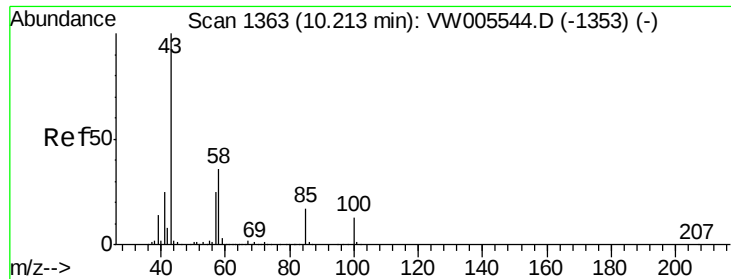
#50
Toluene-d8
Concen: 52.481 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005702.D
Acq: 27 Sep 2018 16:09

Tgt Ion: 98 Resp: 404795
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.609 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW005702.D

Acq: 27 Sep 2018 16:09

Instrument :

MSVOA_W

ClientSampled :

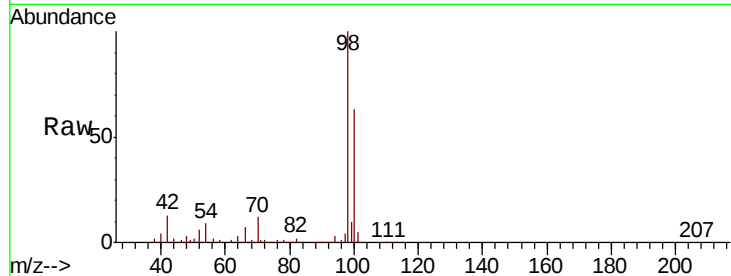
TP-3RE

Tgt Ion: 43 Resp: 2033

Ion Ratio Lower Upper

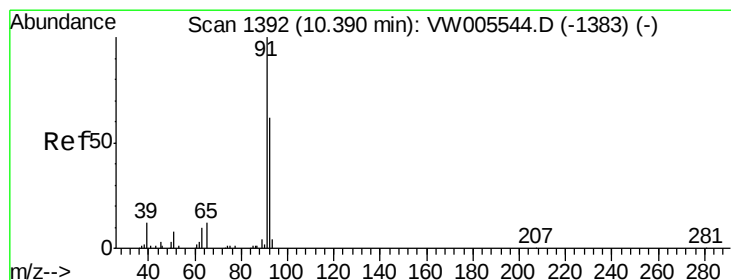
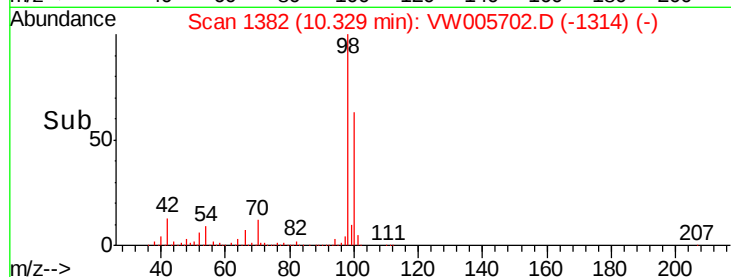
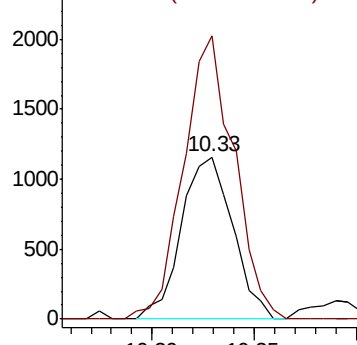
43 100

58 170.9 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 1.228 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005702.D

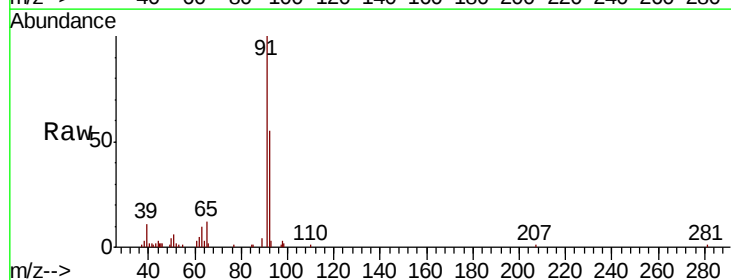
Acq: 27 Sep 2018 16:09

Tgt Ion: 92 Resp: 6582

Ion Ratio Lower Upper

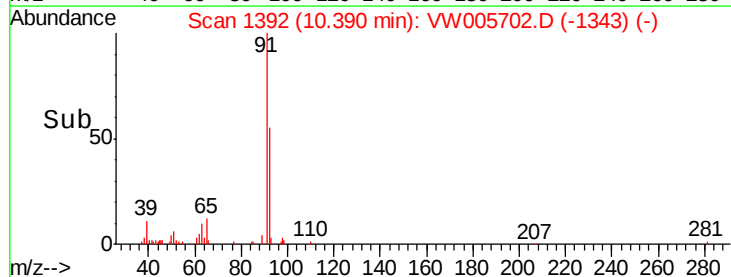
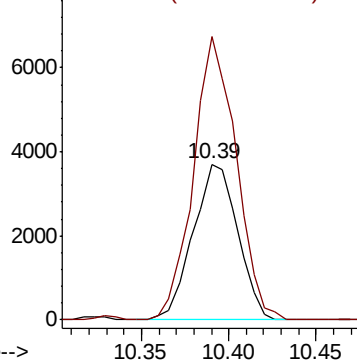
92 100

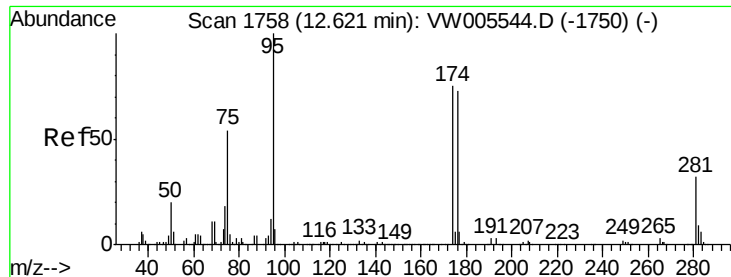
91 173.9 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

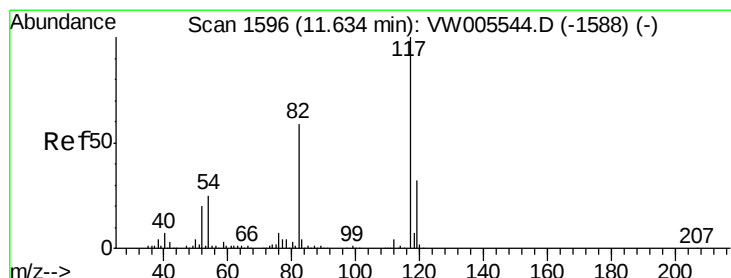
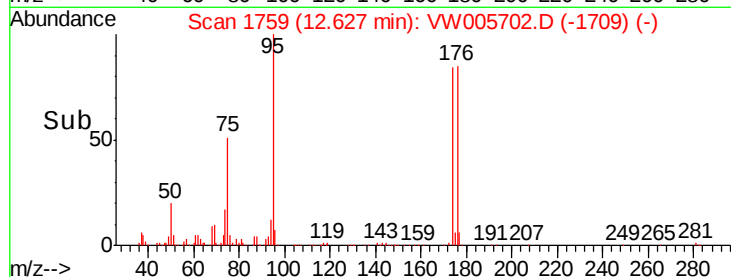
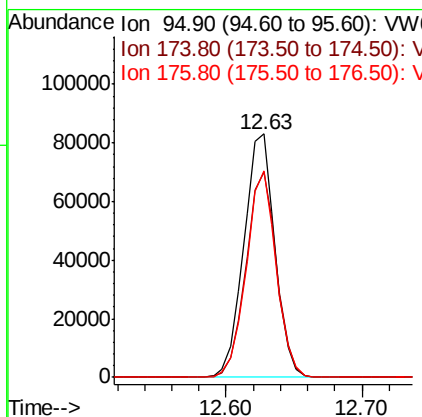
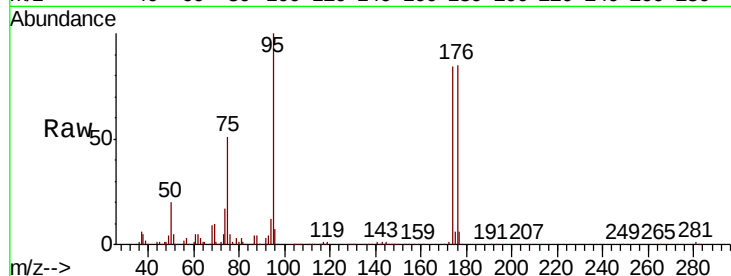




#62
4-Bromofluorobenzene
Concen: 46.406 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW005702.D
Acq: 27 Sep 2018 16:09

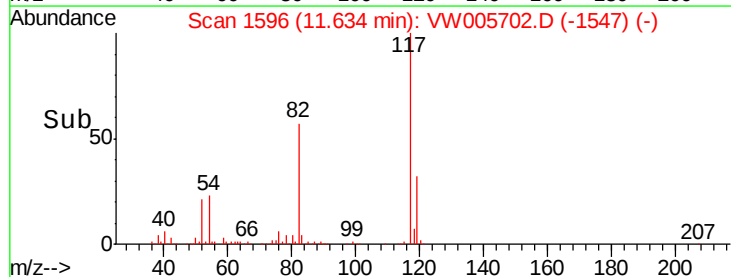
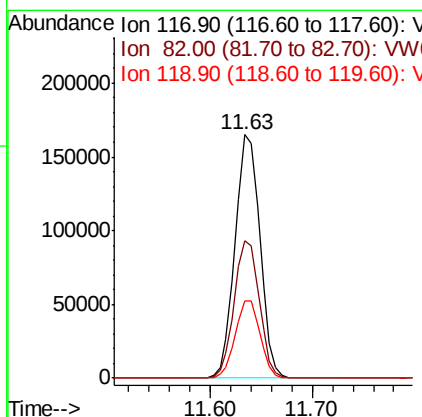
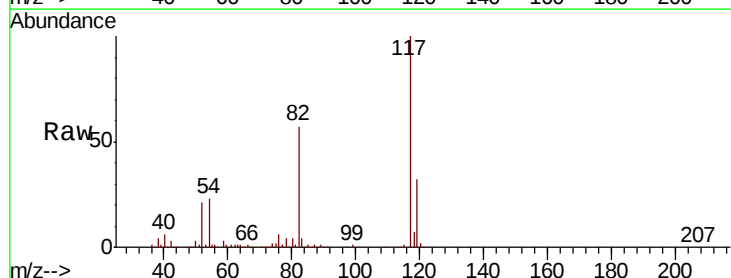
Instrument :
MSVOA_W
ClientSampleId :
TP-3RE

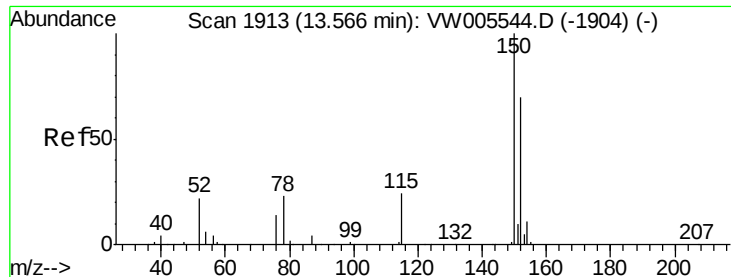
Tgt Ion: 95 Resp: 132447
Ion Ratio Lower Upper
95 100
174 83.6 0.0 163.8
176 81.6 0.0 158.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005702.D
Acq: 27 Sep 2018 16:09

Tgt Ion: 117 Resp: 277426
Ion Ratio Lower Upper
117 100
82 56.6 46.9 70.3
119 31.6 25.7 38.5



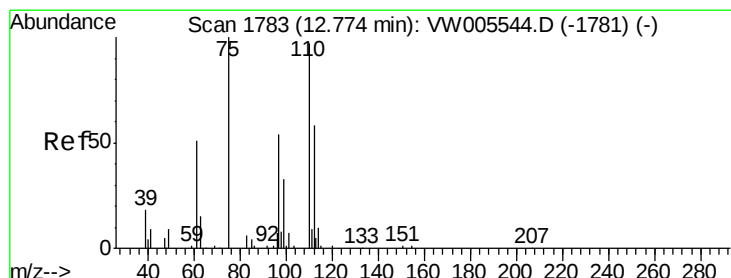
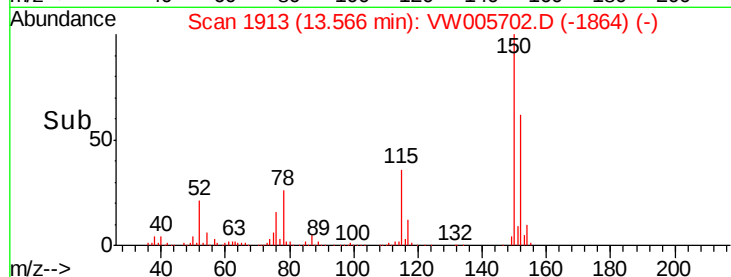
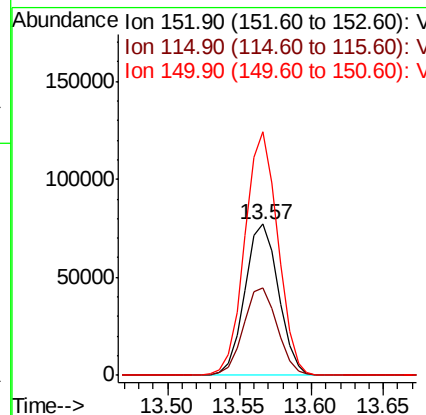
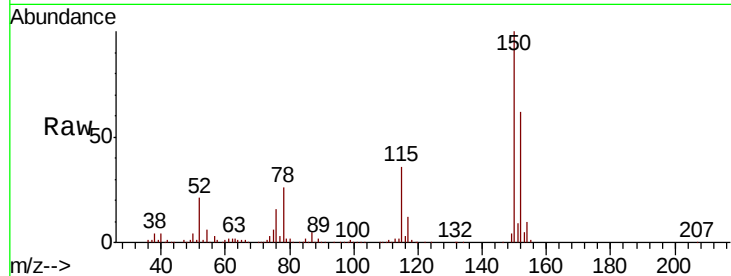


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005702.D
Acq: 27 Sep 2018 16:09

Instrument :
MSVOA_W
ClientSampleId :
TP-3RE

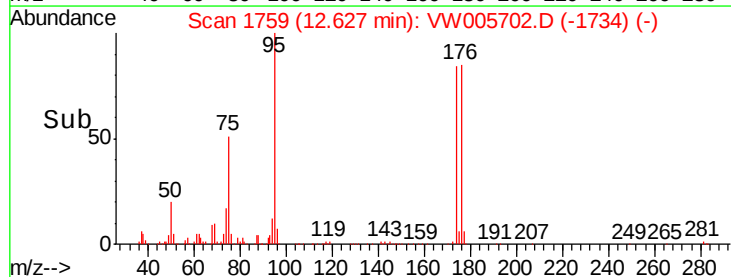
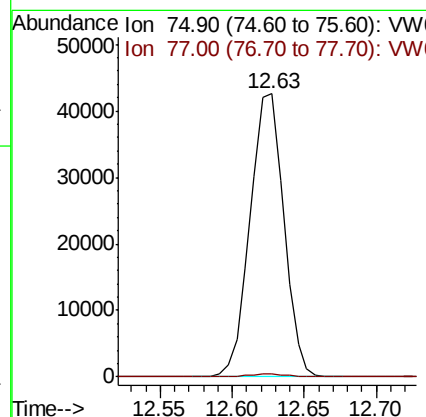
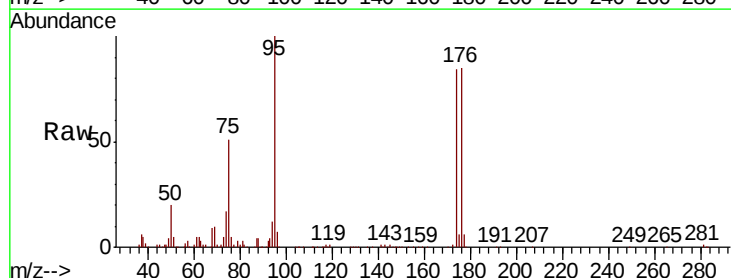
Tgt Ion: 152 Resp: 124836
Ion Ratio Lower Upper
152 100
115 58.2 30.0 90.0
150 158.0 0.0 348.6

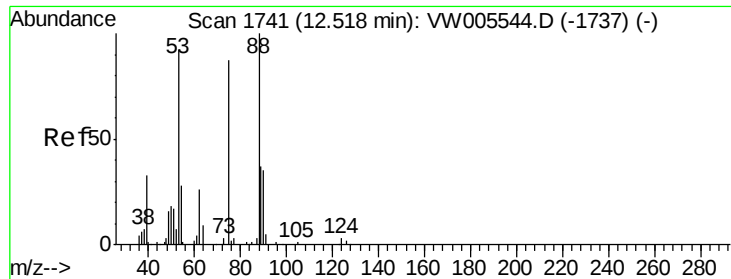


#76

1,2,3-Trichloropropane
Concen: 65.037 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. -0.15 min
Lab File: VW005702.D
Acq: 27 Sep 2018 16:09

Tgt Ion: 75 Resp: 69209
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 146.484 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005702.D

Acq: 27 Sep 2018 16:09

Instrument :

MSVOA_W

ClientSampleId :

TP-3RE

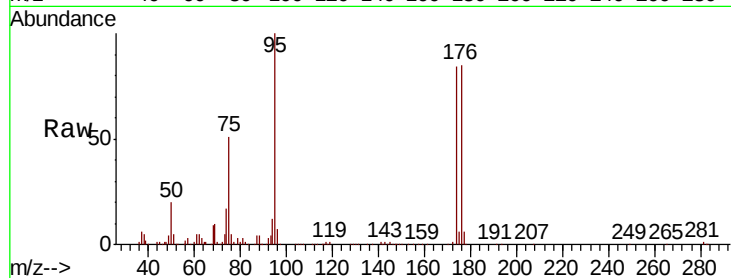
Tgt Ion: 75 Resp: 69209

Ion Ratio Lower Upper

75 100

53 0.3 85.8 128.6#

89 0.1 37.3 55.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

