

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062818\
 Data File : VW003638.D
 Acq On : 28 Jun 2018 15:06
 Operator : SY/AP
 Sample : J3709-04RE
 Misc : 2.37G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 29 06:44:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	119754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	197516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	155649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	52484	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	96996	74.78	ug/l	0.00
Spiked Amount			Recovery	=	149.56%	
35) Dibromofluoromethane	7.88	113	78398	63.88	ug/l	0.00
Spiked Amount			Recovery	=	127.76%	
50) Toluene-d8	10.33	98	231057	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
62) 4-Bromofluorobenzene	12.63	95	61469	35.69	ug/l	0.00
Spiked Amount			Recovery	=	71.38%	

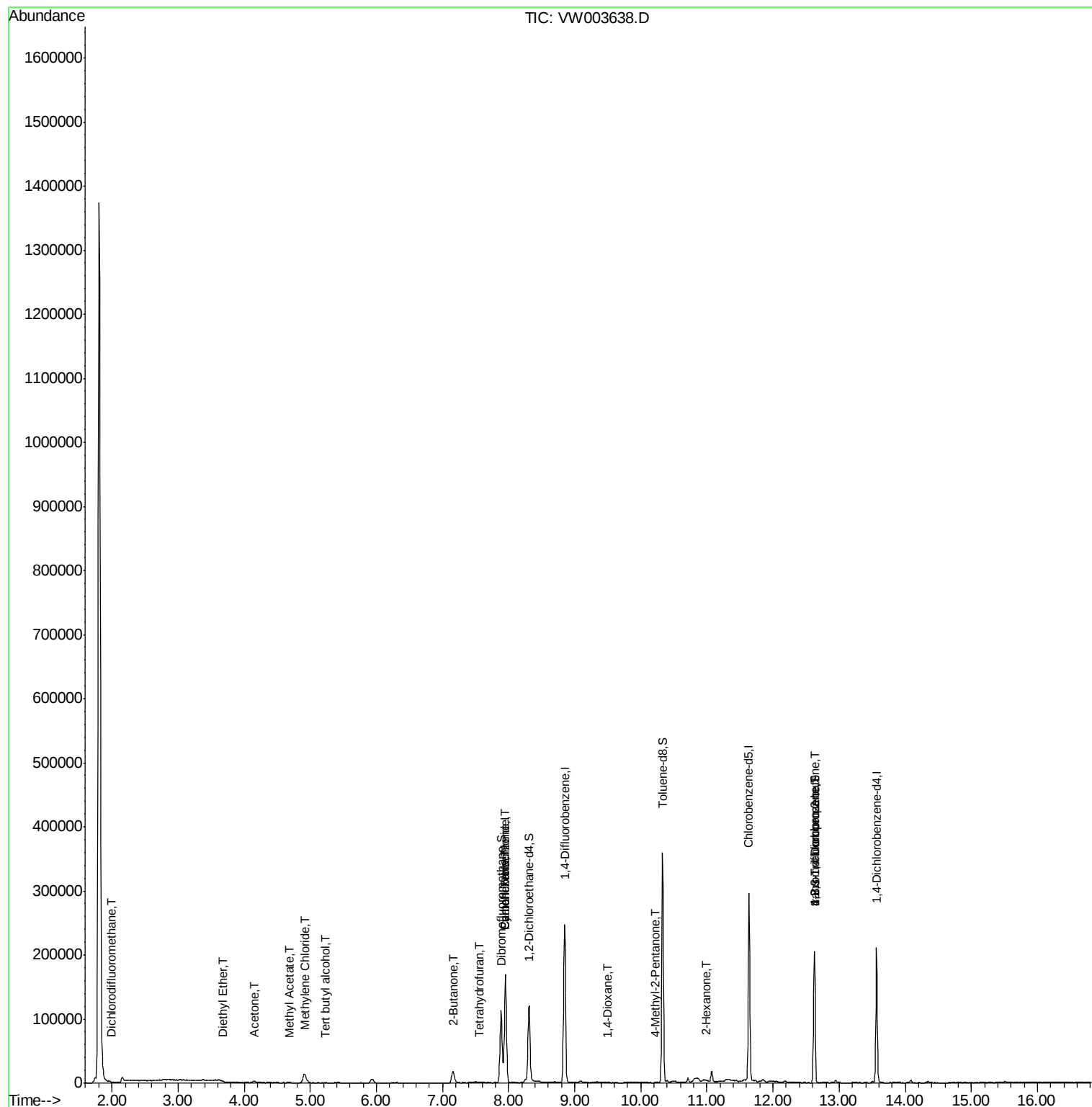
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	382	1.055	ug/l	82
8) Diethyl Ether	3.68	74	803	1.368	ug/l	72
11) Tert butyl alcohol	5.23	59	339	4.873	ug/l #	84
16) Acetone	4.15	43	4612	16.953	ug/l	95
18) Methyl Acetate	4.68	43	968	1.500	ug/l #	61
20) Methylene Chloride	4.92	84	11261	6.555	ug/l	87
25) 2-Butanone	7.16	43	1734	5.126	ug/l #	78
29) Tetrahydrofuran	7.56	42	734	3.550	ug/l #	80
31) Cyclohexane	7.95	56	3657	1.745	ug/l #	15
38) Carbon Tetrachloride	7.96	117	12105	6.470	ug/l #	17
49) 1,4-Dioxane	9.49	88	24	2.319	ug/l #	11
51) 4-Methyl-2-Pentanone	10.22	43	811	1.014	ug/l	93
59) 2-Hexanone	10.98	43	647	1.158	ug/l	77
76) 1,2,3-Trichloropropane	12.62	75	34089	75.977	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	34089	174.826	ug/l #	8

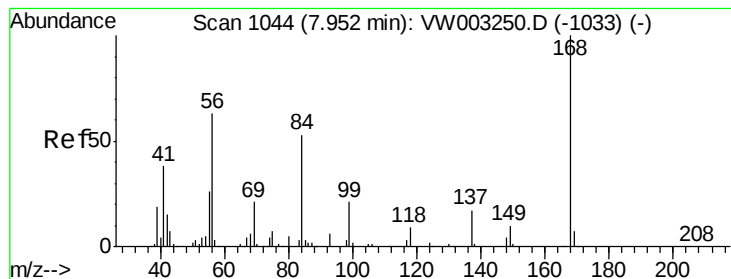
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003638.D

Acq: 28 Jun 2018 15:06

Instrument :

MSVOA_W

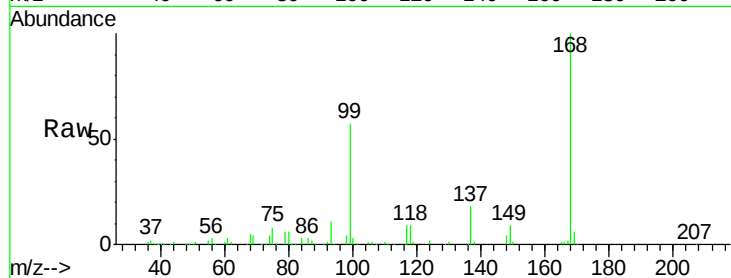
ClientSampled :

Tot Ion:168 Resp: 119754

Ion Ratio Lower Upper

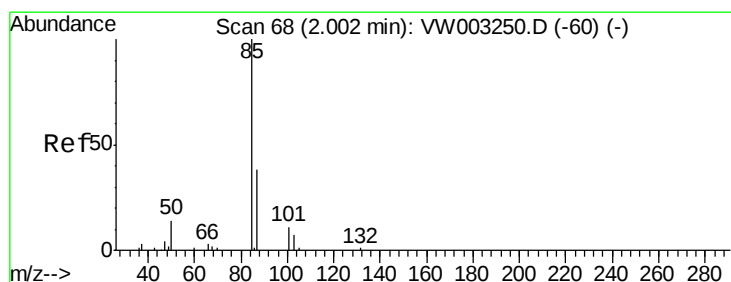
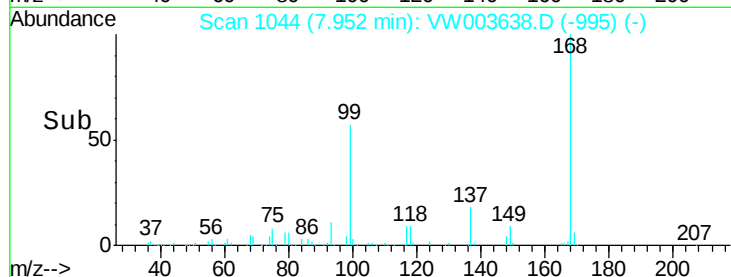
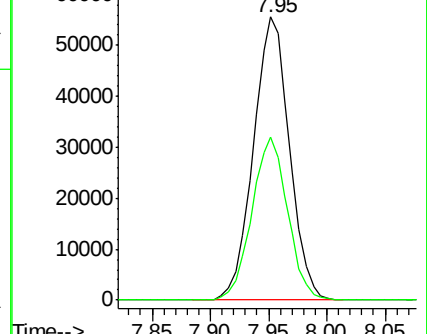
168 100

99 57.3 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 1.055 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003638.D

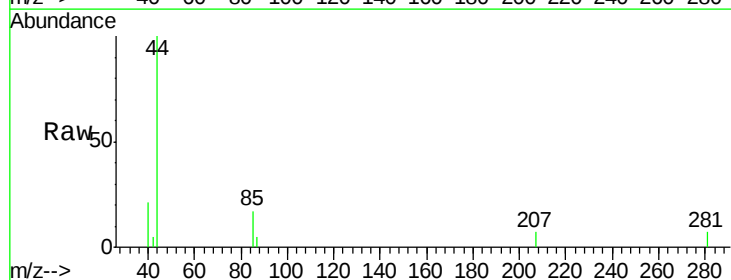
Acq: 28 Jun 2018 15:06

Tgt Ion: 85 Resp: 382

Ion Ratio Lower Upper

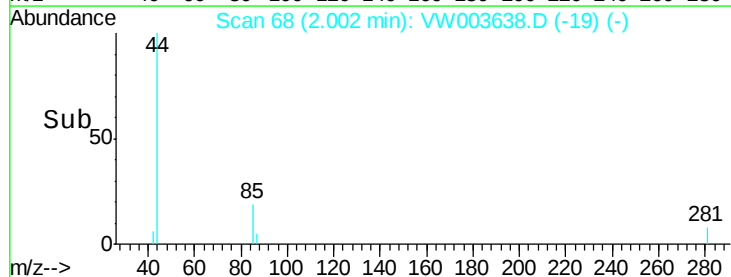
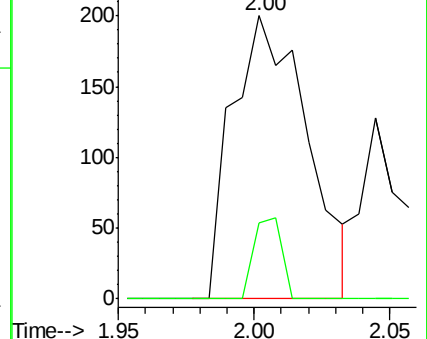
85 100

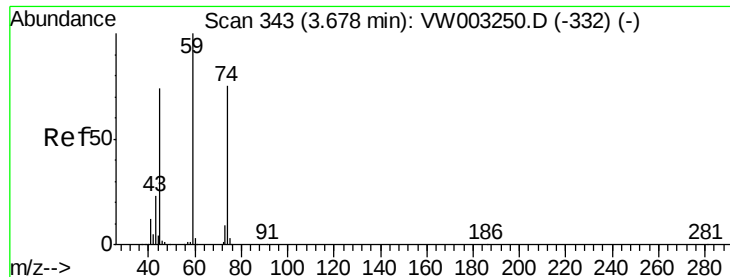
87 27.0 18.9 56.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#8

Diethyl Ether

Concen: 1.368 ug/l

RT: 3.68 min Scan# 344

Delta R.T. 0.01 min

Lab File: VW003638.D

Acq: 28 Jun 2018 15:06

Instrument :

MSVOA_W

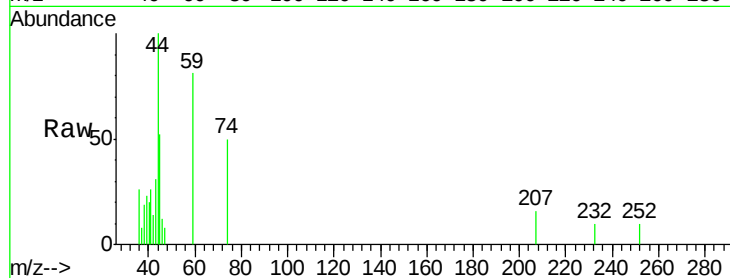
ClientSampled :

Tot Ion: 74 Resp: 803

Ion Ratio Lower Upper

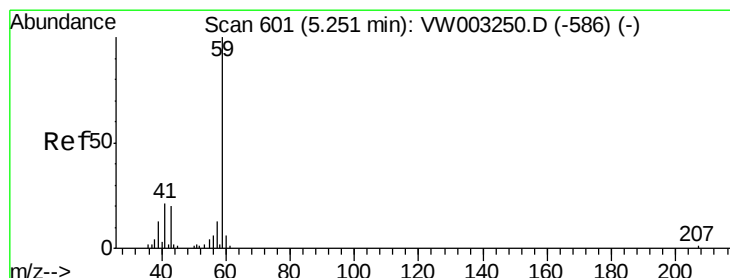
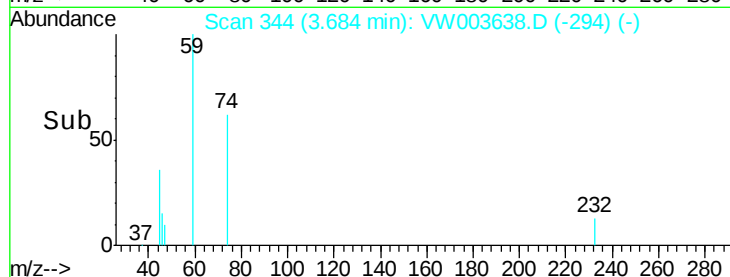
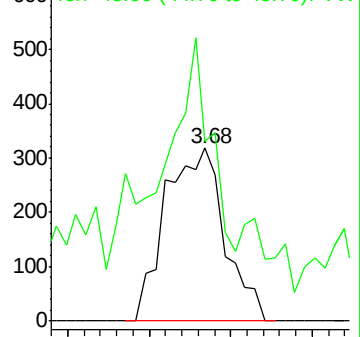
74 100

45 74.6 51.4 154.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



#11

Tert butyl alcohol

Concen: 4.873 ug/l

RT: 5.23 min Scan# 597

Delta R.T. -0.02 min

Lab File: VW003638.D

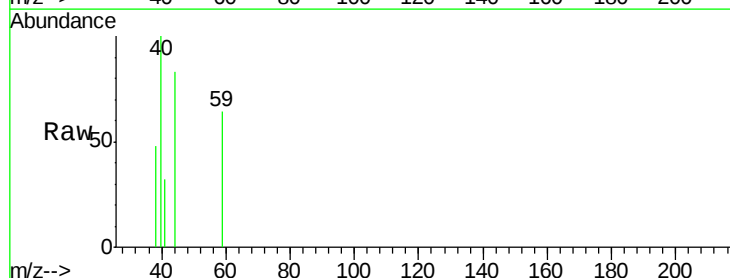
Acq: 28 Jun 2018 15:06

Tgt Ion: 59 Resp: 339

Ion Ratio Lower Upper

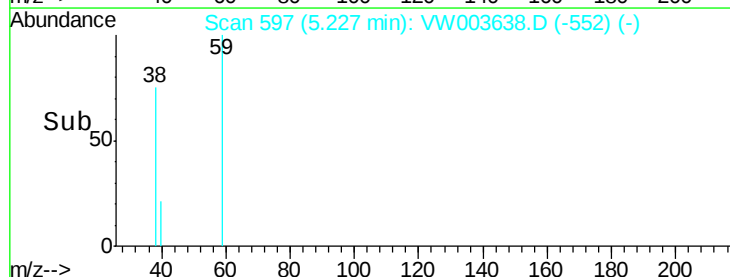
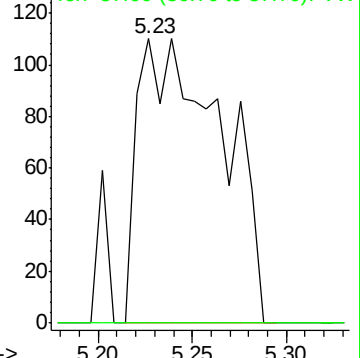
59 100

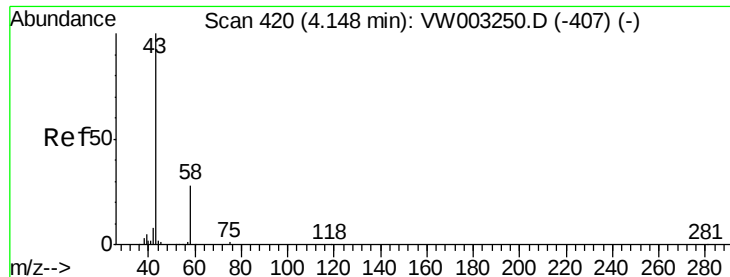
57 0.0 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 16.953 ug/l

RT: 4.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: VW003638.D

Acq: 28 Jun 2018 15:06

Instrument :

MSVOA_W

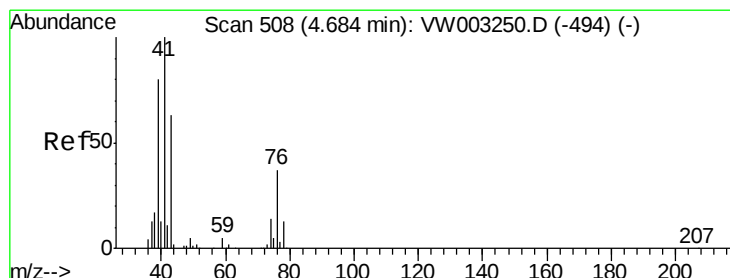
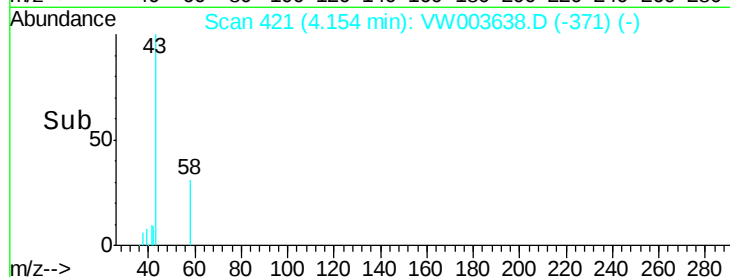
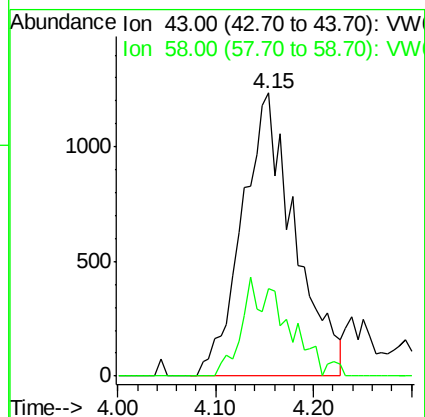
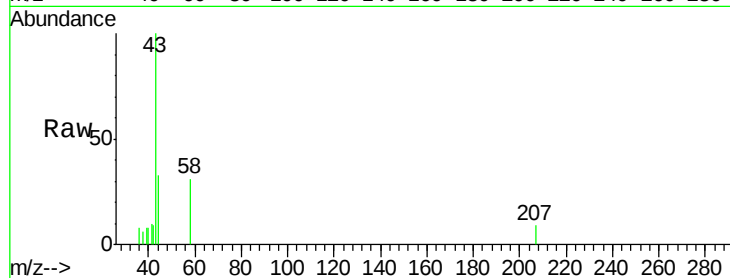
ClientSampleId :

Tot Ion: 43 Resp: 4612

Ion Ratio Lower Upper

43 100

58 30.9 22.6 34.0



#18

Methyl Acetate

Concen: 1.500 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW003638.D

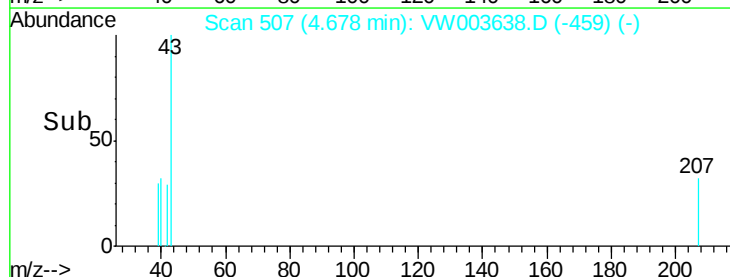
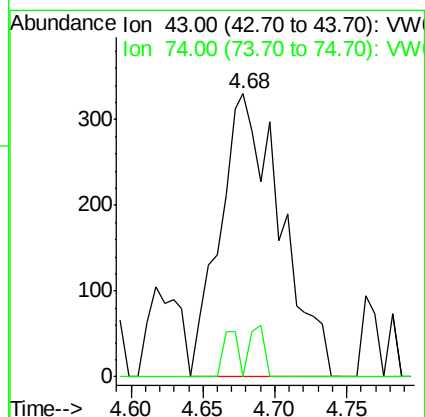
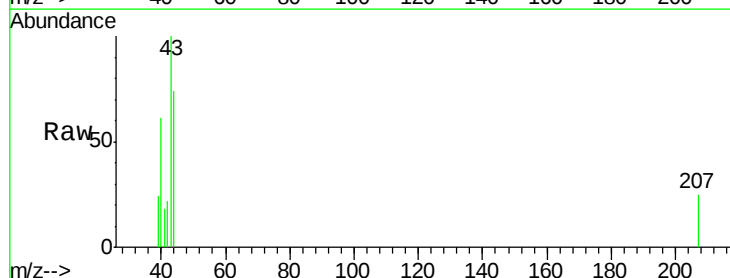
Acq: 28 Jun 2018 15:06

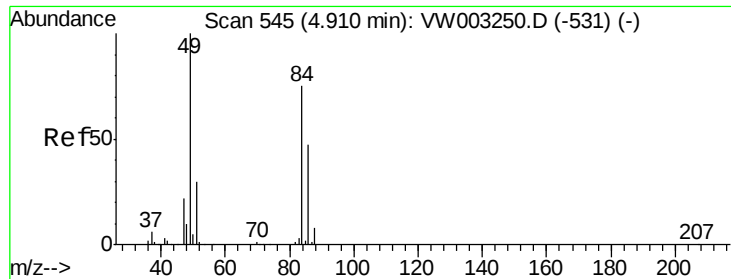
Tgt Ion: 43 Resp: 968

Ion Ratio Lower Upper

43 100

74 4.2 18.7 28.1#

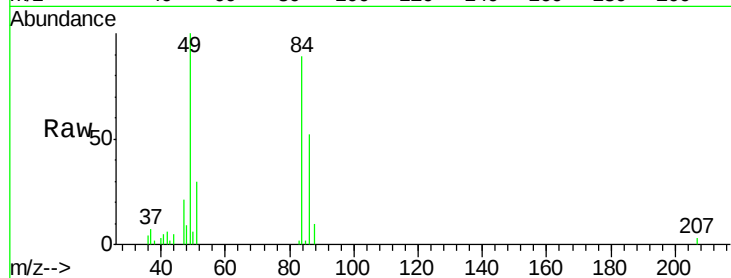




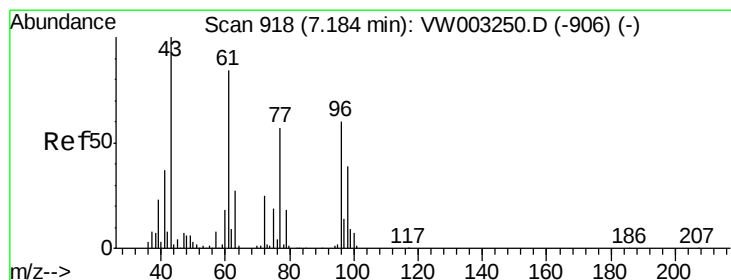
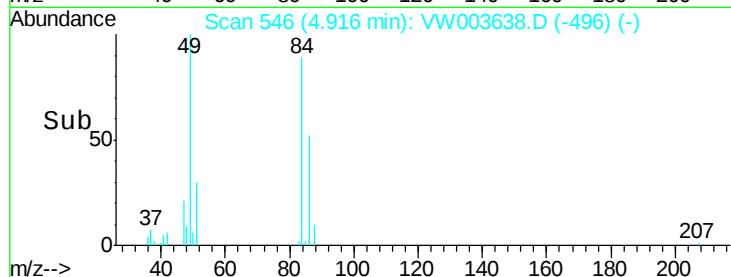
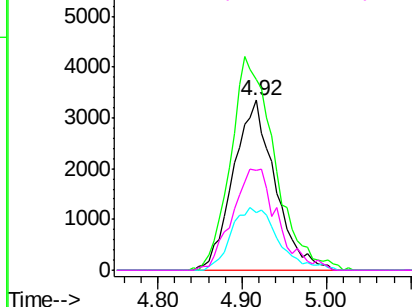
#20
Methvlene Chloride
Concen: 6.555 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003638.D
Acq: 28 Jun 2018 15:06

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 11261
Ion Ratio Lower Upper
84 100
49 112.0 106.3 159.5
51 33.7 32.0 48.0
86 58.5 49.9 74.9

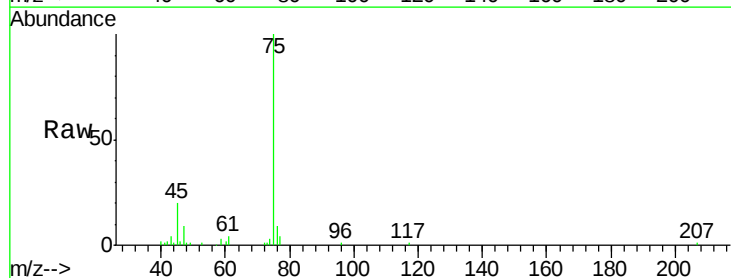


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

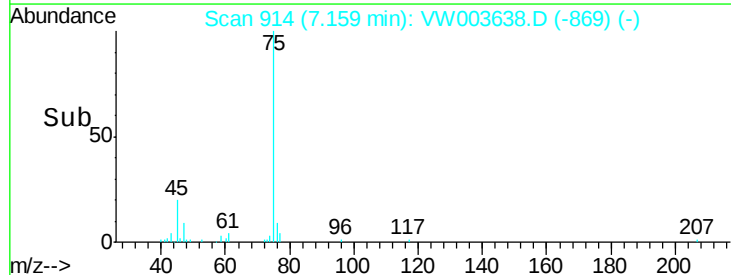
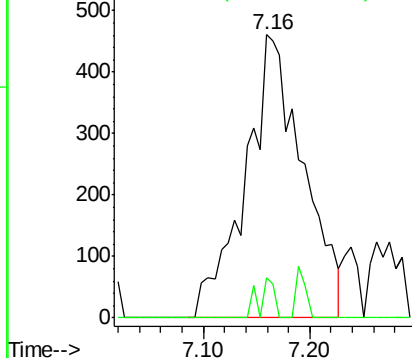


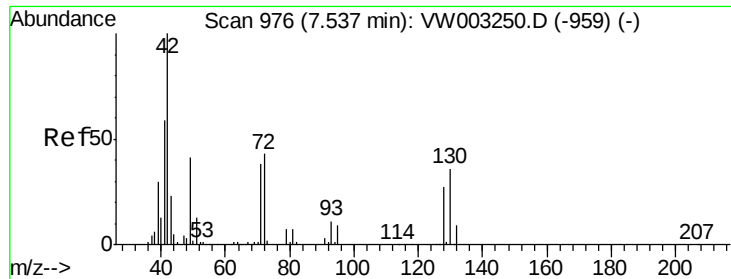
#25
2-Butanone
Concen: 5.126 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.02 min
Lab File: VW003638.D
Acq: 28 Jun 2018 15:06

Tgt Ion: 43 Resp: 1734
Ion Ratio Lower Upper
43 100
72 14.3 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

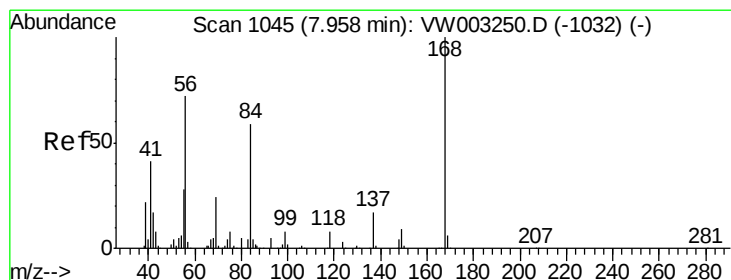
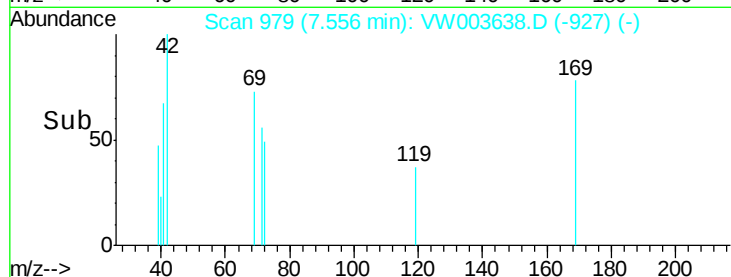
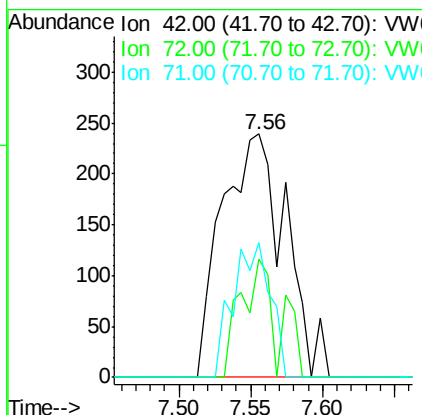
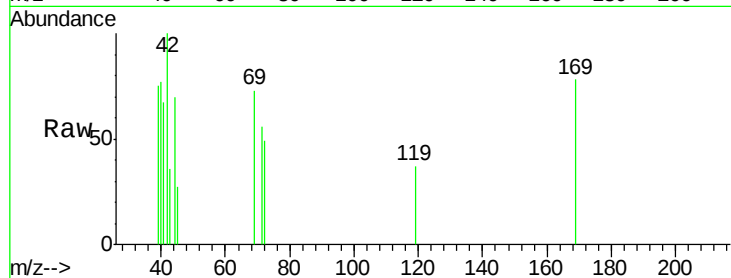




#29
Tetrahydrofuran
Concen: 3.550 ug/l
RT: 7.56 min Scan# 979
Delta R.T. 0.02 min
Lab File: VW003638.D
Acq: 28 Jun 2018 15:06

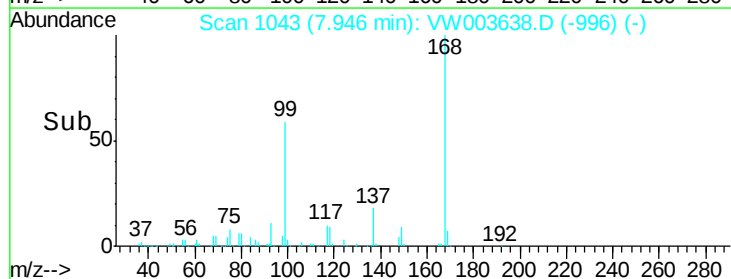
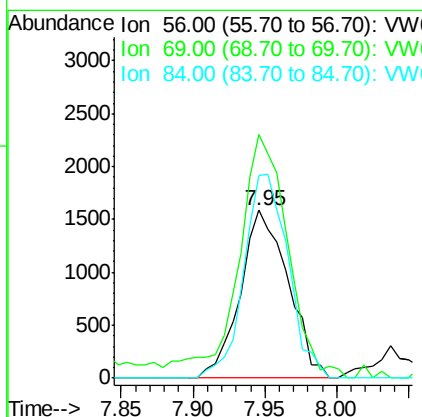
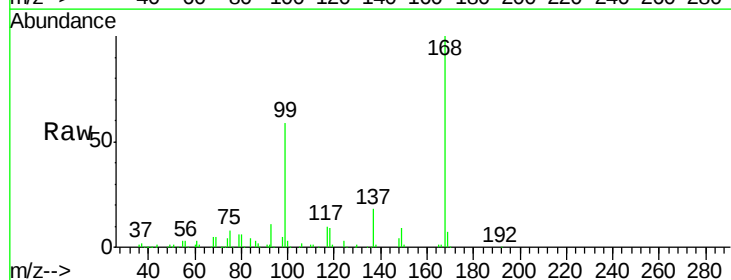
Instrument :
MSVOA_W
ClientSampleId :

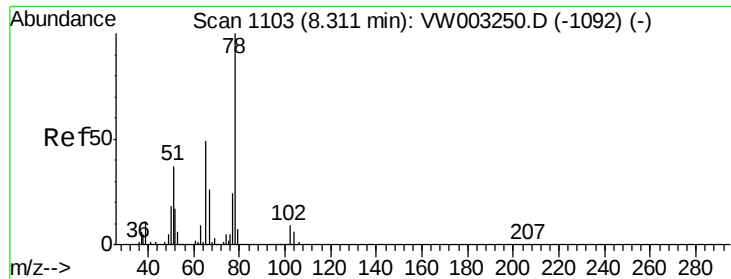
Tot Ion: 42 Resp: 734
Ion Ratio Lower Upper
42 100
72 21.9 32.4 48.6#
71 32.6 31.2 46.8



#31
Cyclohexane
Concen: 1.745 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003638.D
Acq: 28 Jun 2018 15:06

Tgt Ion: 56 Resp: 3657
Ion Ratio Lower Upper
56 100
69 139.9 26.3 39.5#
84 120.9 65.7 98.5#

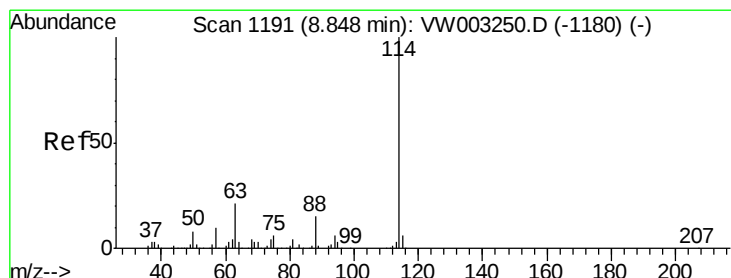
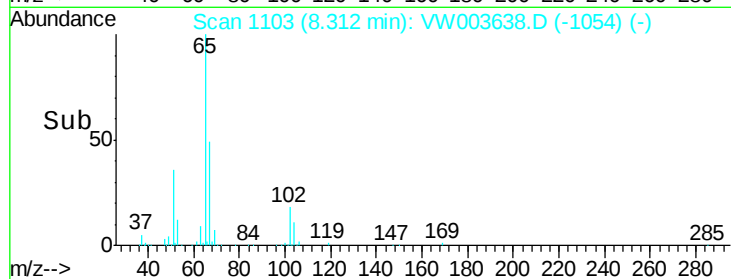
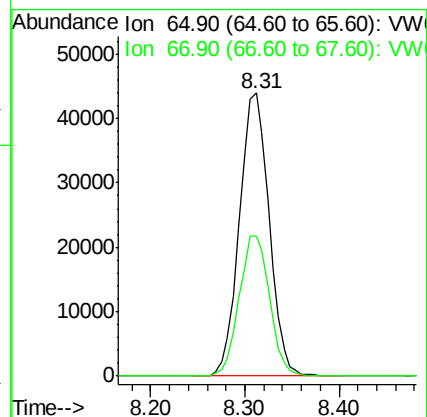
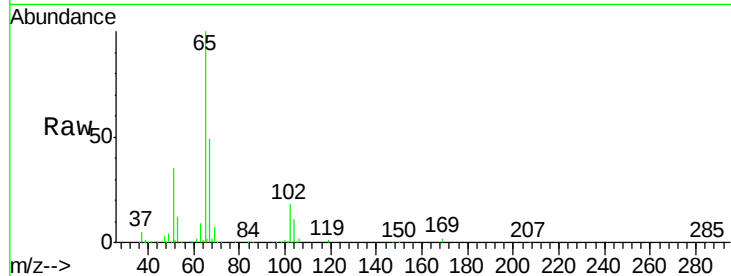




#33
 1,2-Dichloroethane-d4
 Concen: 74.778 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003638.D
 Acq: 28 Jun 2018 15:06

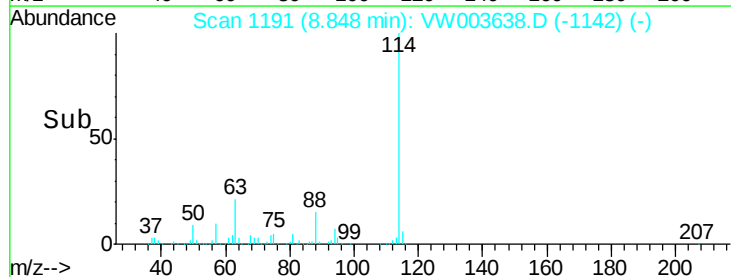
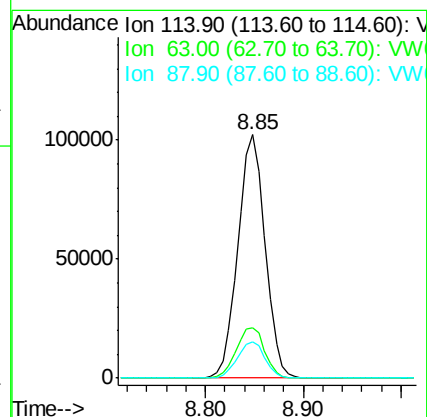
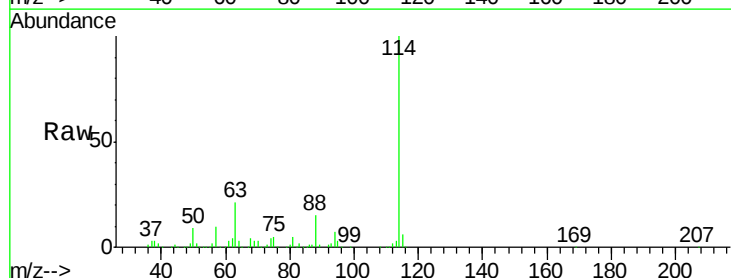
Instrument :
 MSVOA_W
 ClientSampleId :

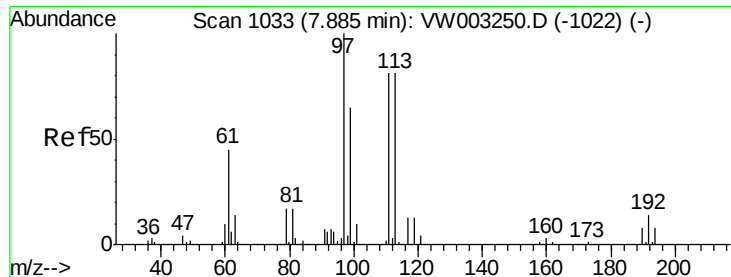
Tot Ion: 65 Resp: 96996
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003638.D
 Acq: 28 Jun 2018 15:06

Tgt Ion:114 Resp: 197516
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 43.0
 88 14.9 0.0 29.6

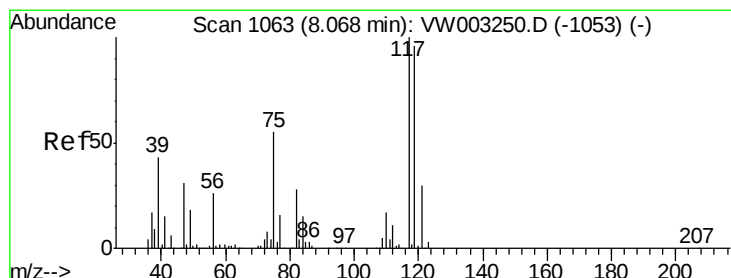
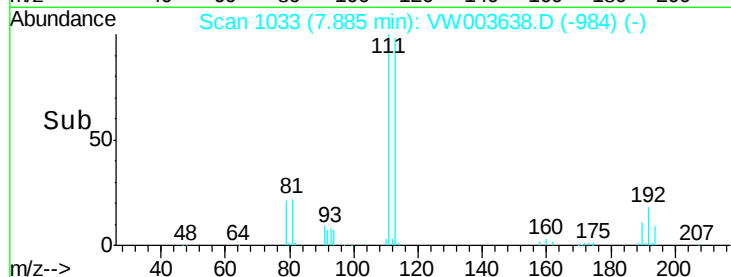
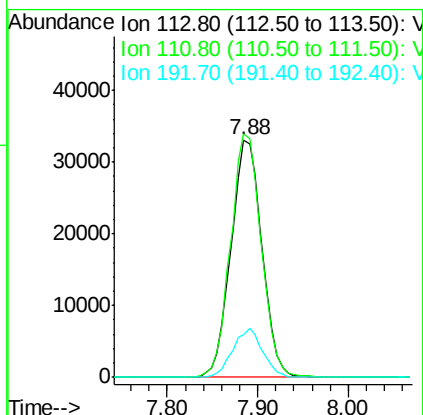
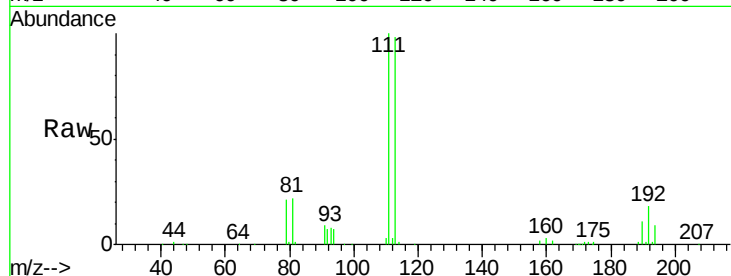




#35
 Dibromofluoromethane
 Concen: 63.878 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003638.D
 Acq: 28 Jun 2018 15:06

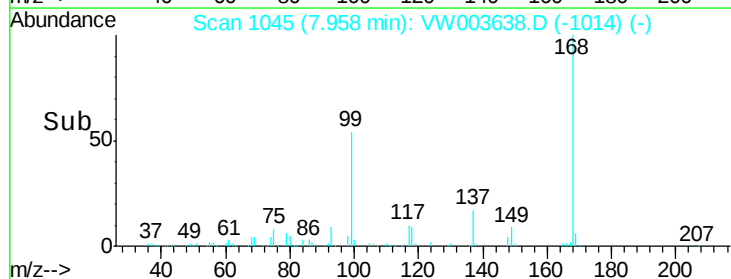
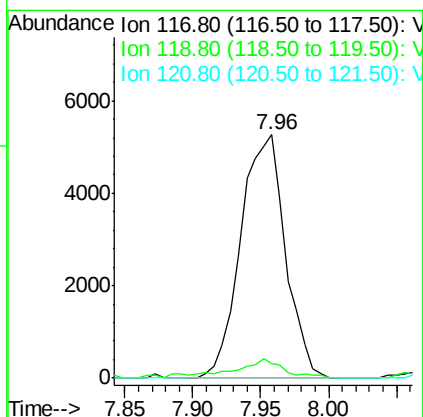
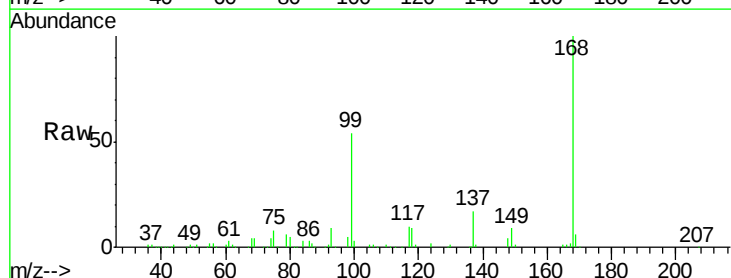
Instrument :
 MSVOA_W
 ClientSampleId :

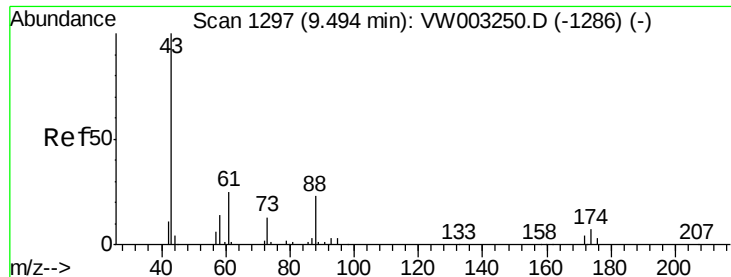
Tot Ion:113 Resp: 78398
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.2 123.2
 192 19.8 16.2 24.2



#38
 Carbon Tetrachloride
 Concen: 6.470 ug/l
 RT: 7.96 min Scan# 1045
 Delta R.T. -0.11 min
 Lab File: VW003638.D
 Acq: 28 Jun 2018 15:06

Tgt Ion:117 Resp: 12105
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.6 115.0#
 121 0.0 23.9 35.9#





#49

1,4-Dioxane

Concen: 2.319 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VW003638.D

Acq: 28 Jun 2018 15:06

Instrument :

MSVOA_W

ClientSampleId :

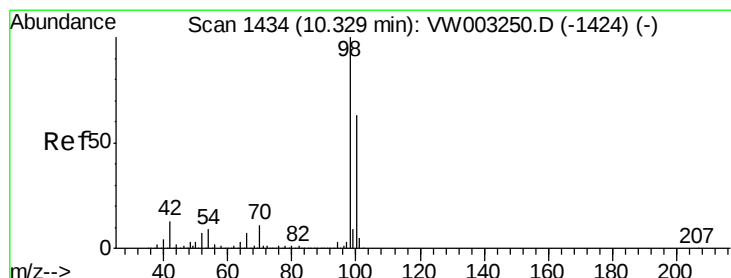
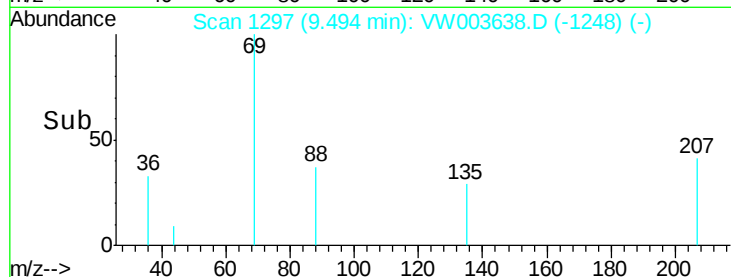
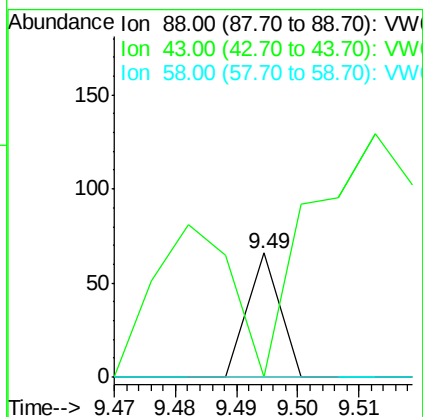
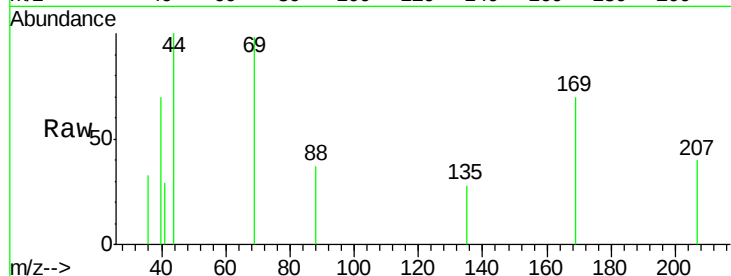
Tot Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 300.0 454.7 682.1#

58 0.0 58.6 88.0#



#50

Toluene-d8

Concen: 47.479 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003638.D

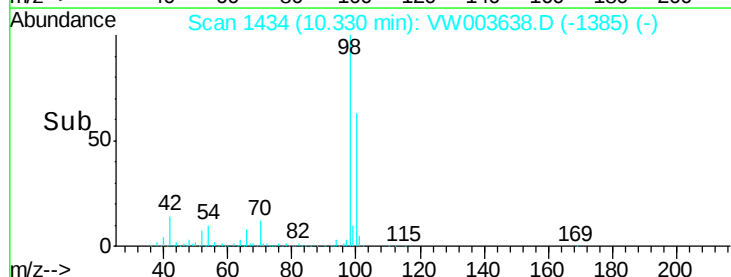
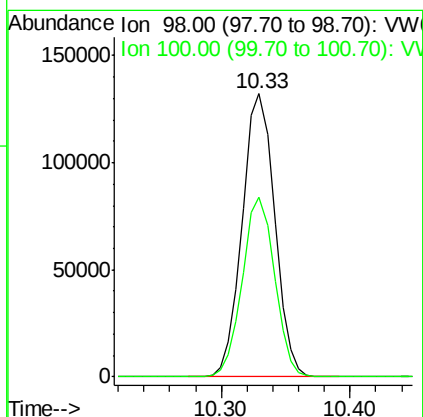
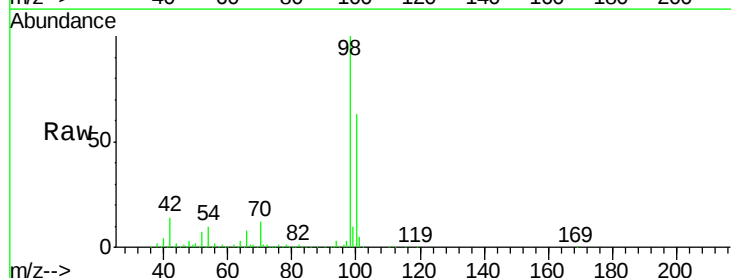
Acq: 28 Jun 2018 15:06

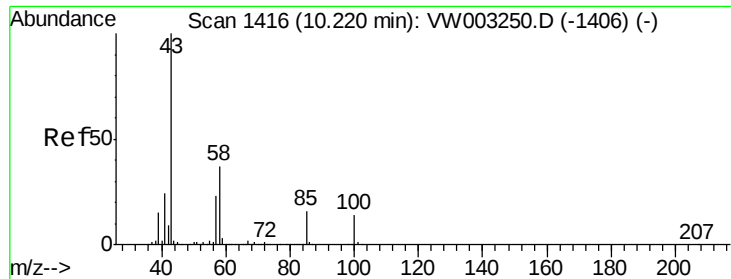
Tgt Ion: 98 Resp: 231057

Ion Ratio Lower Upper

98 100

100 62.9 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 1.014 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW003638.D

Acq: 28 Jun 2018 15:06

Instrument :

MSVOA_W

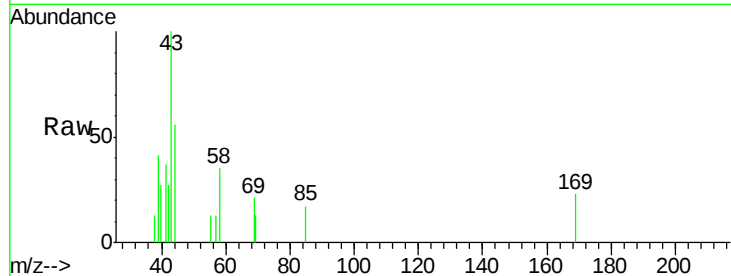
ClientSampled :

Tot Ion: 43 Resp: 811

Ion Ratio Lower Upper

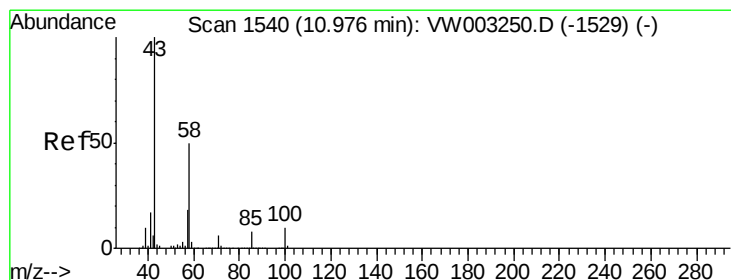
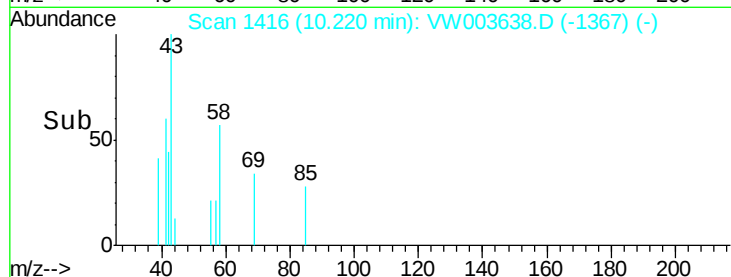
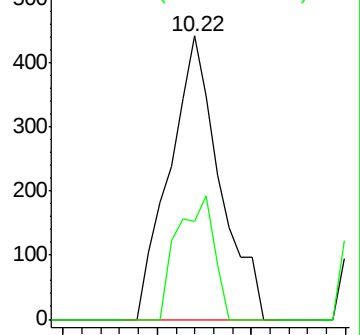
43 100

58 32.1 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#59

2-Hexanone

Concen: 1.158 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. 0.01 min

Lab File: VW003638.D

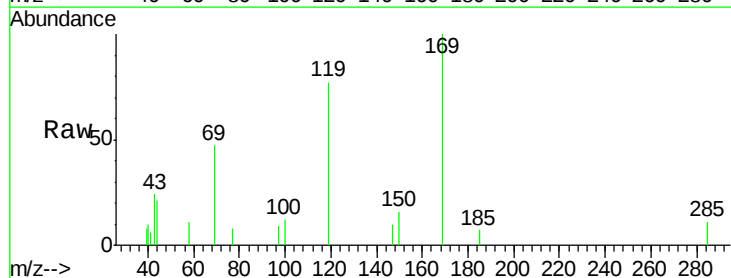
Acq: 28 Jun 2018 15:06

Tgt Ion: 43 Resp: 647

Ion Ratio Lower Upper

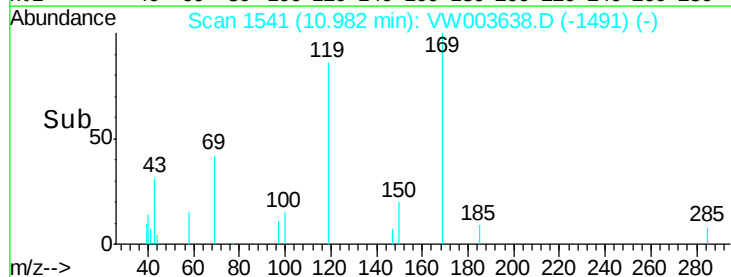
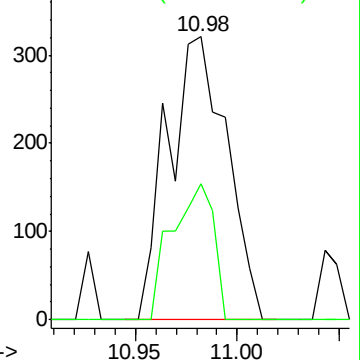
43 100

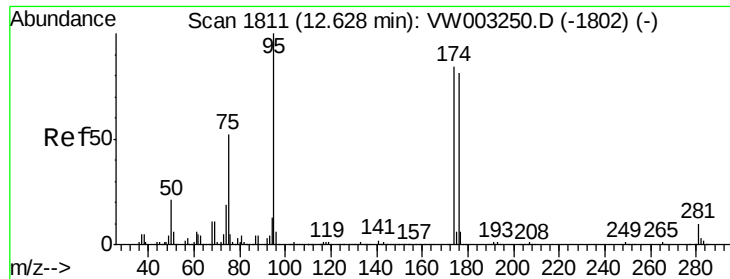
58 34.2 25.0 75.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

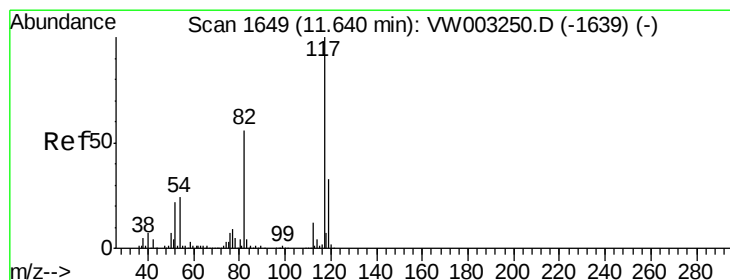
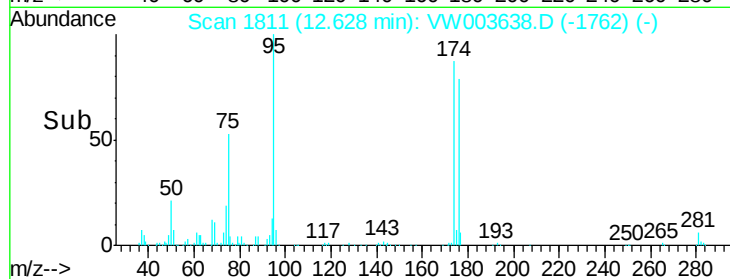
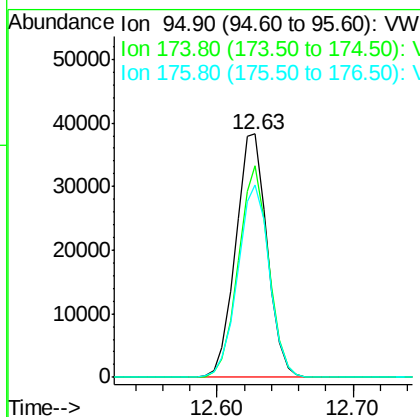
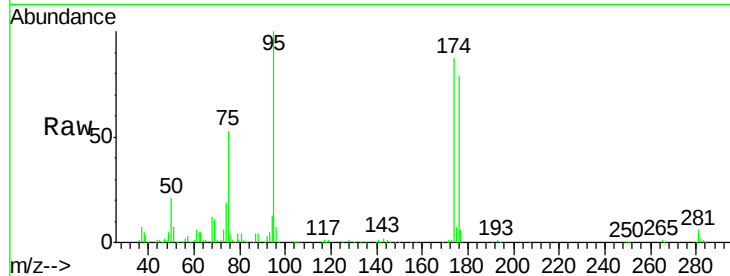




#62
4-Bromofluorobenzene
Concen: 35.692 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW003638.D
Acq: 28 Jun 2018 15:06

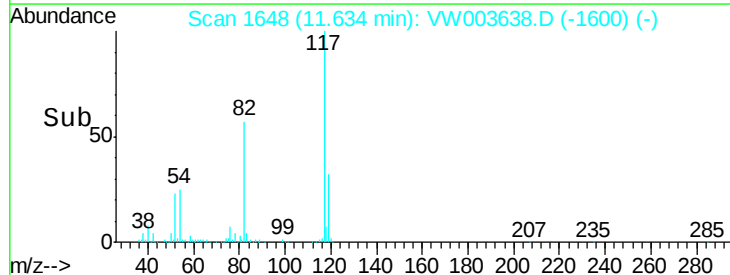
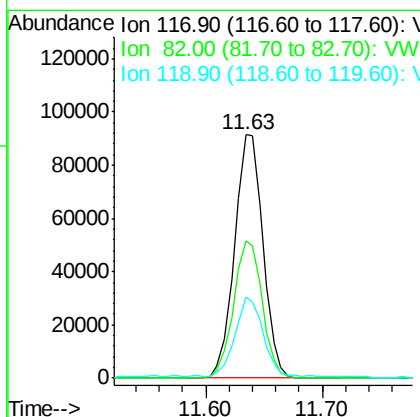
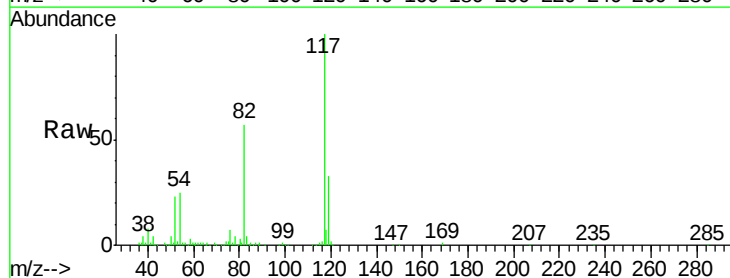
Instrument :
MSVOA_W
ClientSampled :

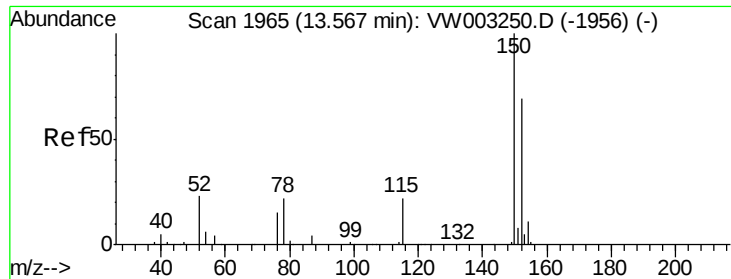
Tot Ion: 95 Resp: 61469
Ion Ratio Lower Upper
95 100
174 83.9 0.0 166.4
176 79.7 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003638.D
Acq: 28 Jun 2018 15:06

Tgt Ion: 117 Resp: 155649
Ion Ratio Lower Upper
117 100
82 56.7 44.6 67.0
119 32.6 26.7 40.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003638.D

Acq: 28 Jun 2018 15:06

Instrument :

MSVOA_W

ClientSampleId :

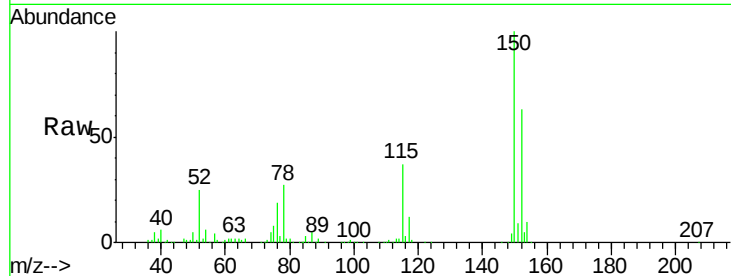
Tot Ion:152 Resp: 52484

Ion Ratio Lower Upper

152 100

115 57.7 29.3 88.0

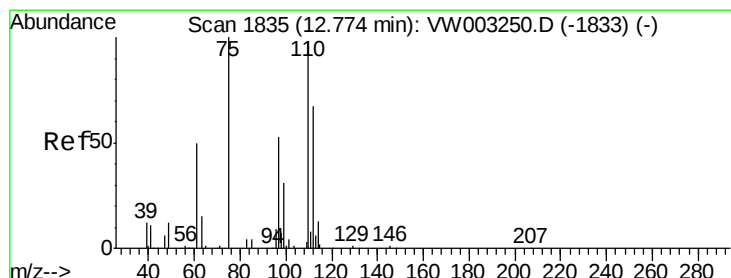
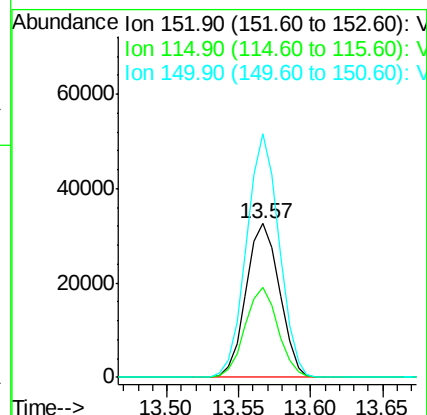
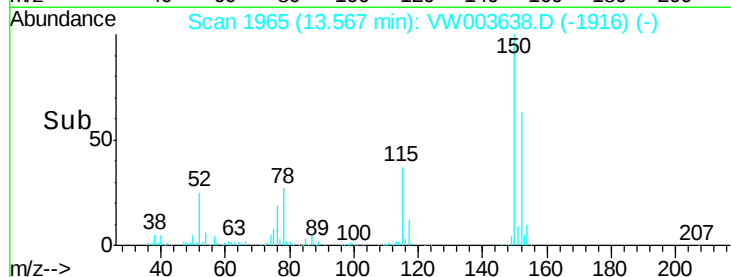
150 153.9 0.0 349.6



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: 75.977 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003638.D

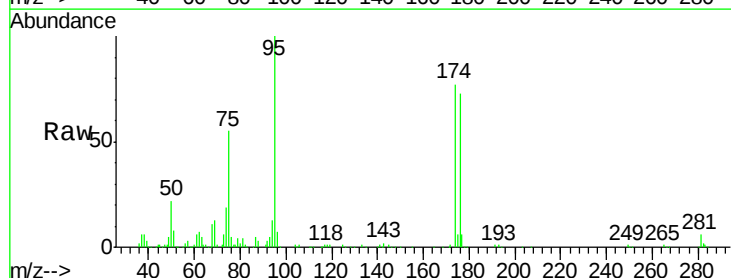
Acq: 28 Jun 2018 15:06

Tgt Ion: 75 Resp: 34089

Ion Ratio Lower Upper

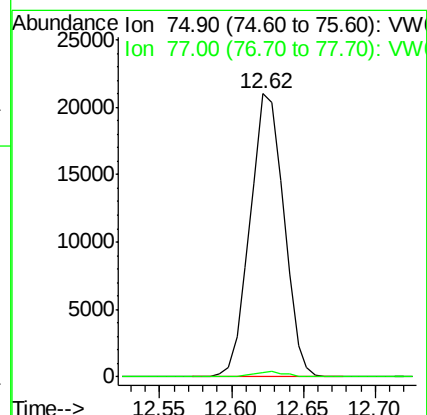
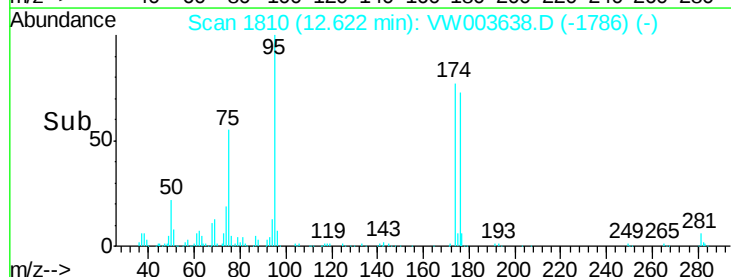
75 100

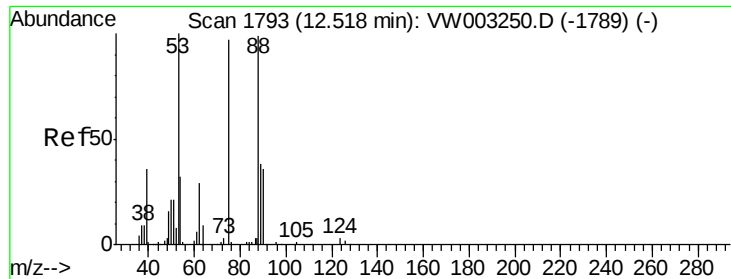
77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

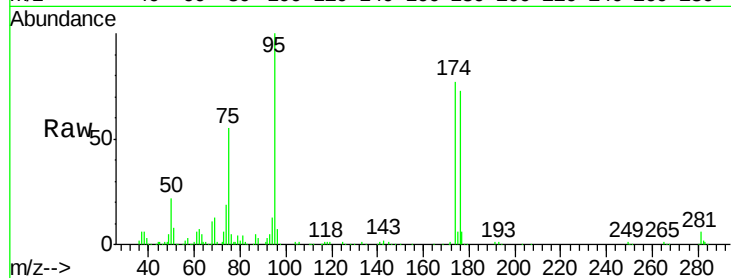




#81
 trans-1,4-Dichloro-2-butene
 Concen: 174.826 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW003638.D
 Acq: 28 Jun 2018 15:06

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 34089
 Ion Ratio Lower Upper
 75 100
 53 0.2 82.9 124.3#
 89 0.0 36.7 55.1#



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

