

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092718\
 Data File : VW005695.D
 Acq On : 27 Sep 2018 13:08
 Operator : VA/AP
 Sample : J5077-04RE
 Misc : 6.10G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PARCEL-190-092418-2RE

Quant Time: Sep 28 01:20:59 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	196945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	311444	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	250161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	81472	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	135900	58.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.14%	
35) Dibromofluoromethane	7.89	113	110768	56.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.12%	
50) Toluene-d8	10.33	98	385989	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
62) 4-Bromofluorobenzene	12.62	95	101090	34.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.52%	

Target Compounds					Qvalue	
8) Diethyl Ether	3.68	74	1762	1.822	ug/l	87
11) Tert butyl alcohol	5.20	59	25	Below	Cal	# 72
16) Acetone	4.12	43	624	Below	Cal	# 48
20) Methylene Chloride	4.92	84	4041	Below	Cal	93
29) Tetrahydrofuran	7.56	42	393	1.116	ug/l	# 40
31) Cyclohexane	7.95	56	4526	1.258	ug/l	# 16
36) 1,1-Dichloropropene	7.95	75	14836	4.732	ug/l	# 49
38) Carbon Tetrachloride	7.96	117	19206	5.717	ug/l	# 16
51) 4-Methyl-2-Pentanone	10.32	43	1716	1.313	ug/l	# 1
76) 1,2,3-Trichloropropane	12.62	75	53086	76.438	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.62	75	53086	172.162	ug/l	# 7

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

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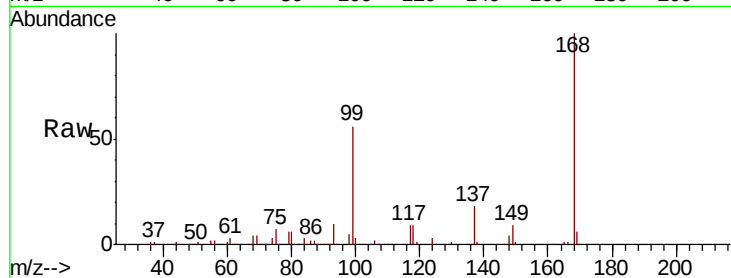
PARCEL-190-092418-2RE

Tgt Ion:168 Resp: 196945

Ion Ratio Lower Upper

168 100

99 56.2 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

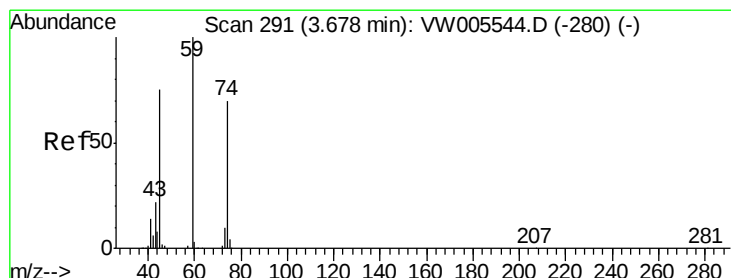
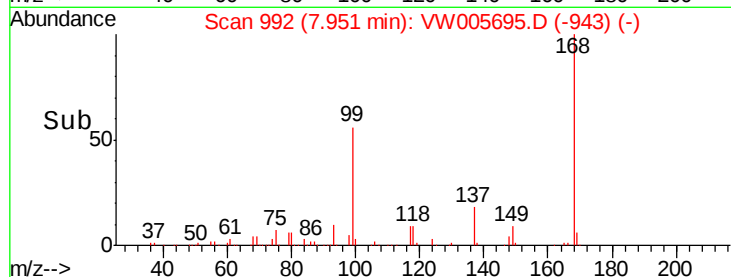
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.822 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW005695.D

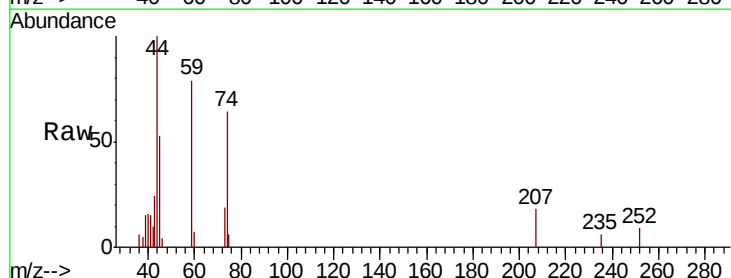
Acq: 27 Sep 2018 13:08

Tgt Ion: 74 Resp: 1762

Ion Ratio Lower Upper

74 100

45 116.5 51.7 155.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

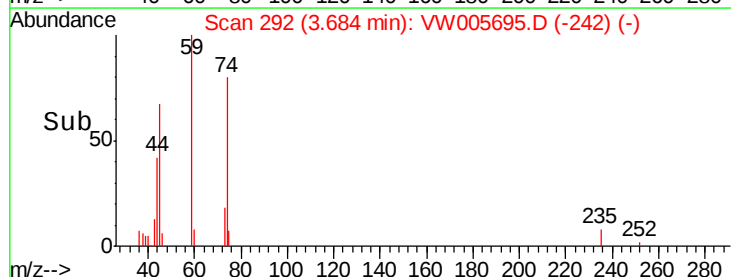
600

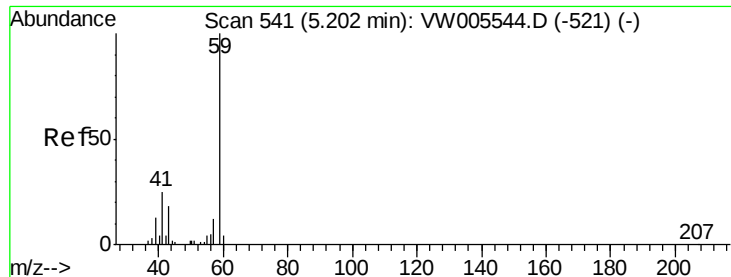
400

200

0

Time-->

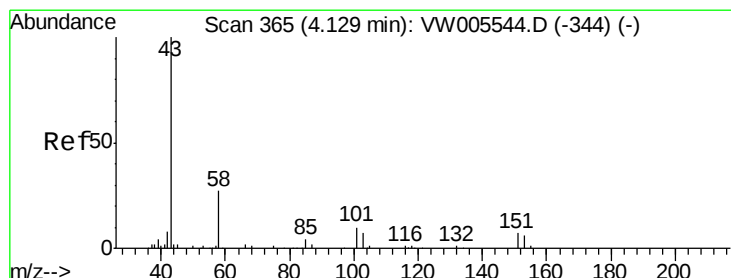
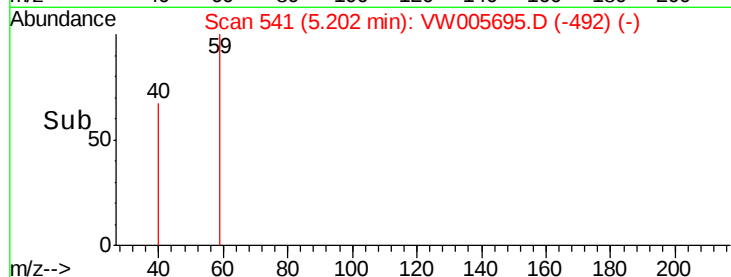
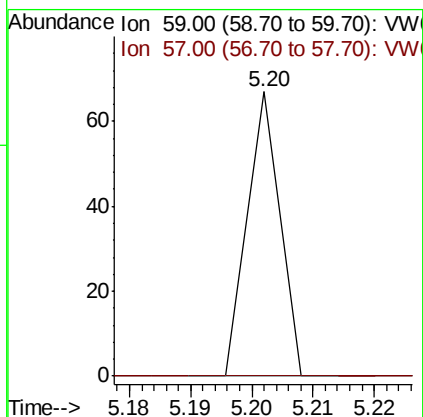
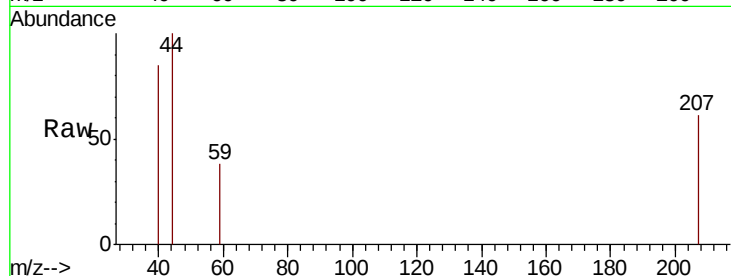




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 541
Delta R.T. -0.00 min
Lab File: VW005695.D
Acq: 27 Sep 2018 13:08

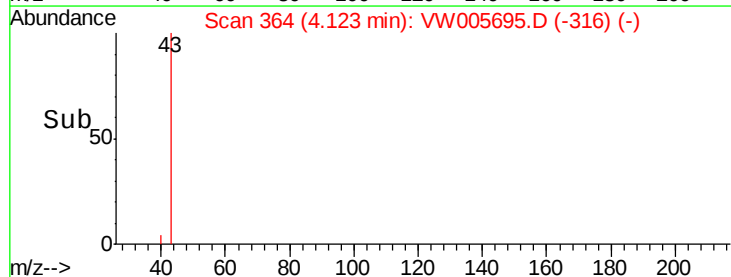
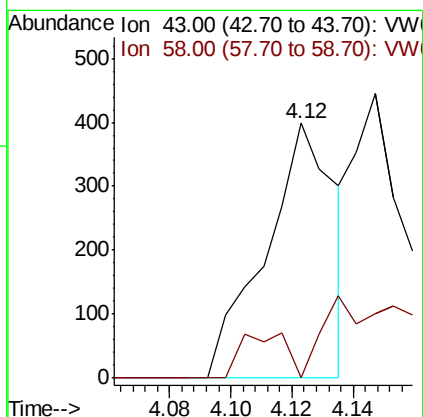
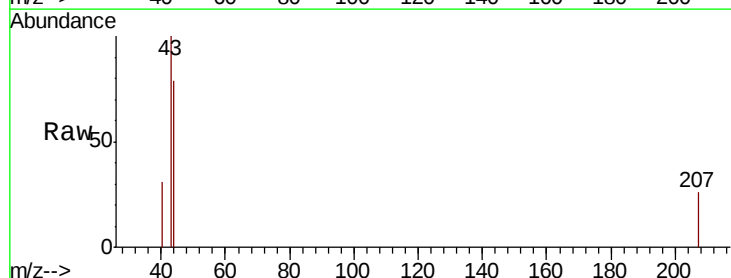
Instrument :
MSVOA_W
ClientSampleId :
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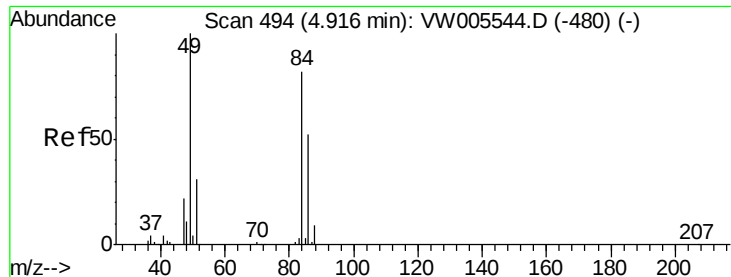
Tgt Ion: 59 Resp: 25
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: Below Cal
RT: 4.12 min Scan# 364
Delta R.T. -0.01 min
Lab File: VW005695.D
Acq: 27 Sep 2018 13:08

Tgt Ion: 43 Resp: 624
Ion Ratio Lower Upper
43 100
58 0.0 21.8 32.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW005695.D

Acq: 27 Sep 2018 13:08

Instrument :

MSVOA_W

ClientSampleId :

PARCEL-190-092418-2RE

Tgt Ion: 84 Resp: 4041

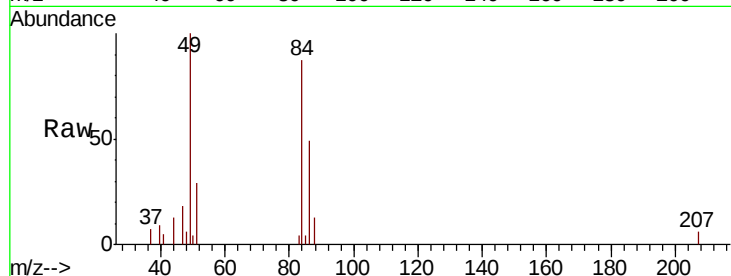
Ion Ratio Lower Upper

84 100

49 114.7 97.0 145.6

51 33.6 30.2 45.2

86 56.6 50.2 75.4

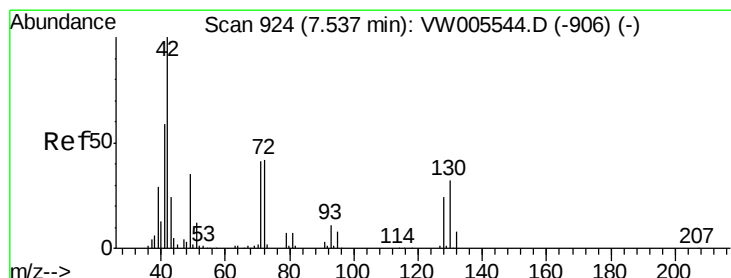
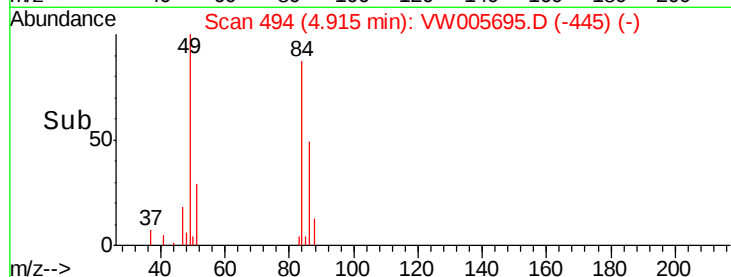
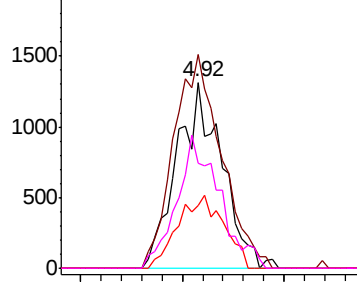


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#29

Tetrahydrofuran

Concen: 1.116 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW005695.D

Acq: 27 Sep 2018 13:08

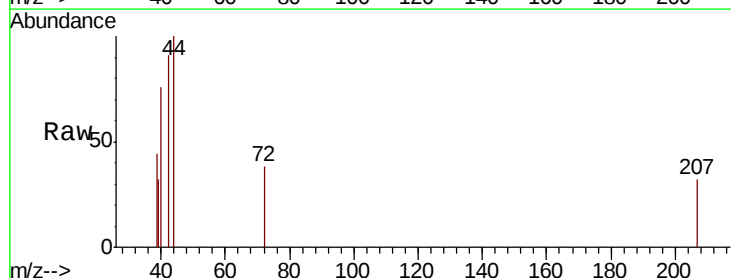
Tgt Ion: 42 Resp: 393

Ion Ratio Lower Upper

42 100

72 6.4 33.6 50.4#

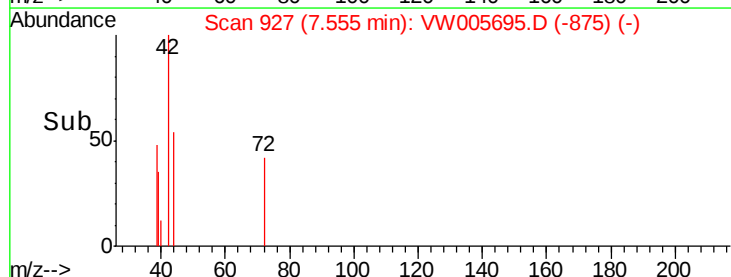
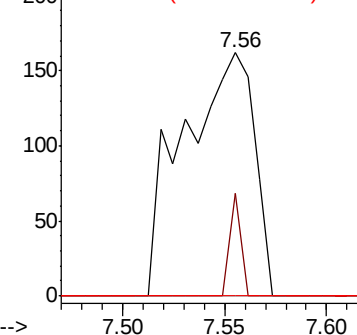
71 0.0 31.8 47.6#

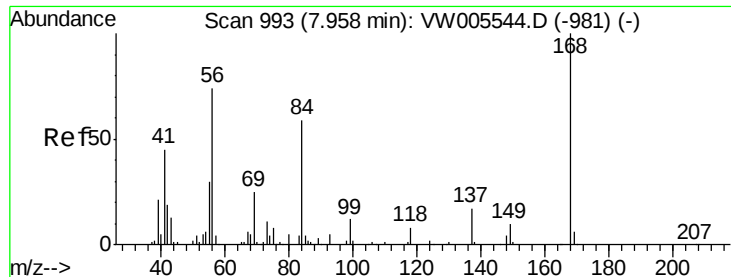


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

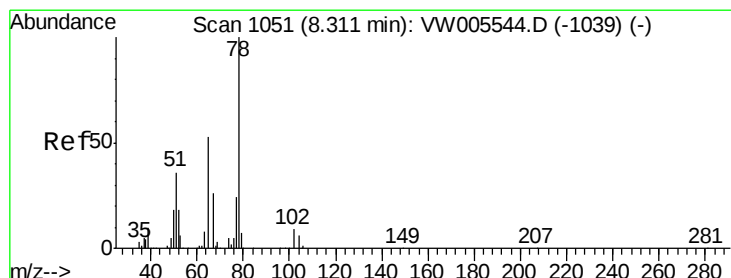
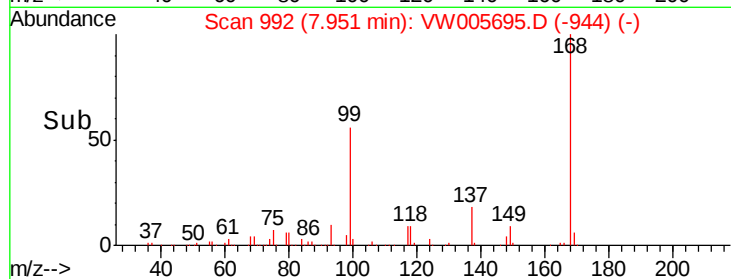
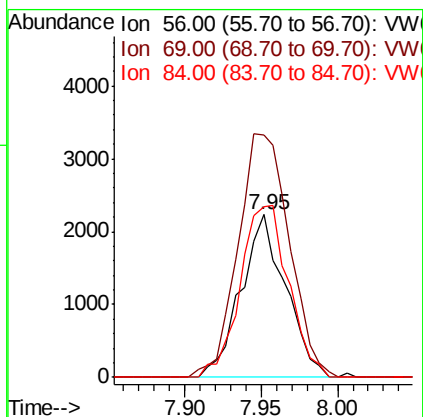
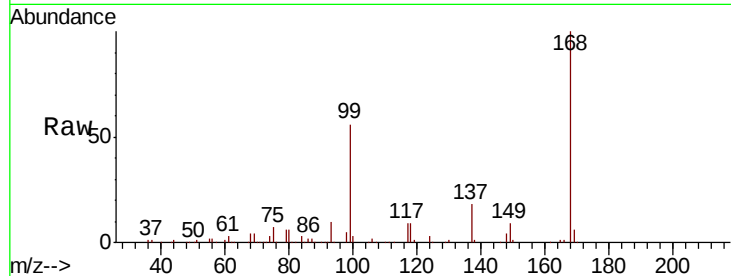




#31
Cyclohexane
Concen: 1.258 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005695.D
Acq: 27 Sep 2018 13:08

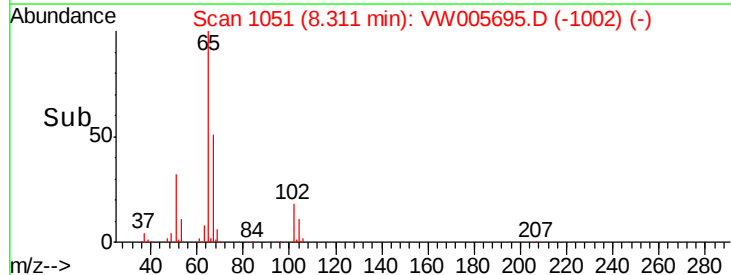
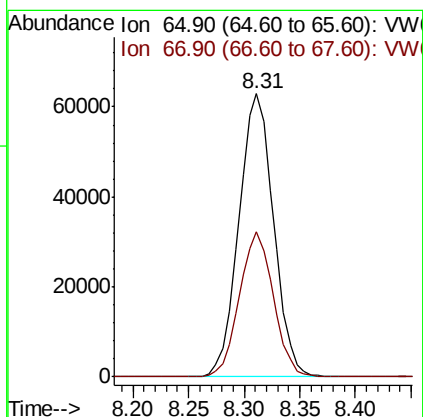
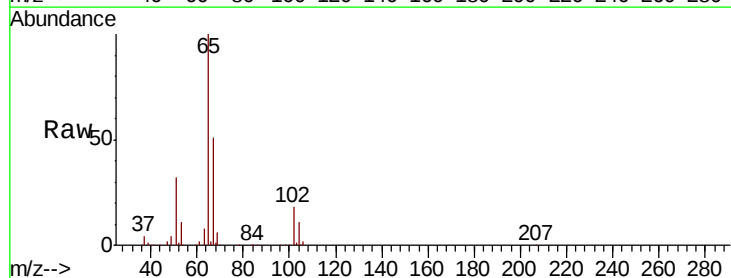
Instrument :
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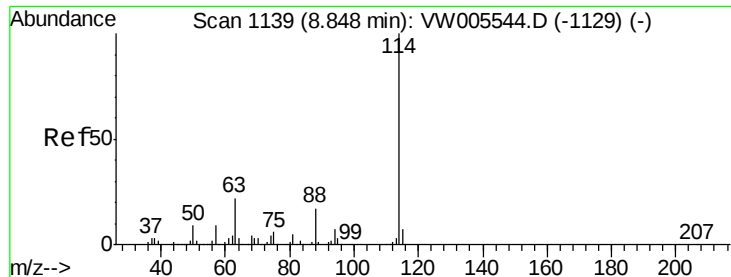
Tgt Ion: 56 Resp: 4526
Ion Ratio Lower Upper
56 100
69 149.6 27.0 40.4#
84 110.5 64.2 96.4#



#33
1,2-Dichloroethane-d4
Concen: 58.574 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005695.D
Acq: 27 Sep 2018 13:08

Tgt Ion: 65 Resp: 135900
Ion Ratio Lower Upper
65 100
67 50.4 0.0 100.6

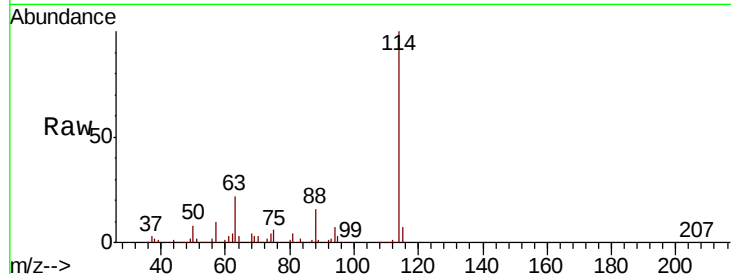




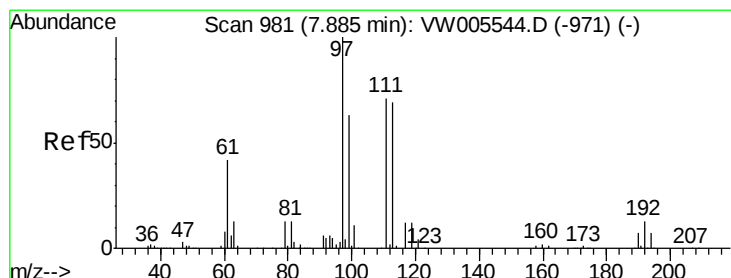
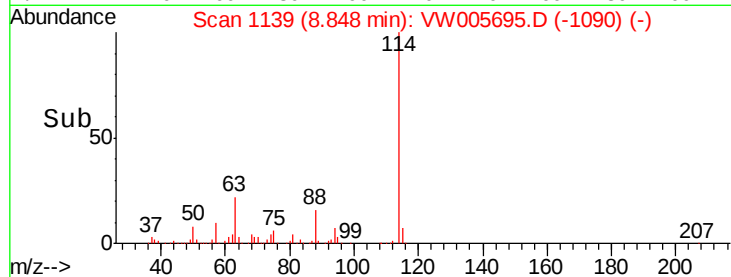
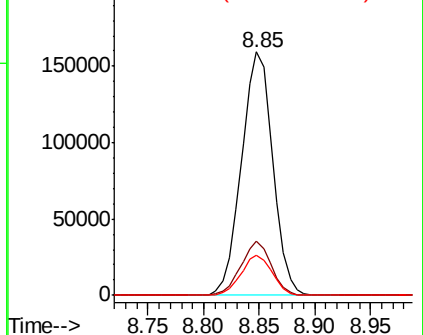
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005695.D
 Acq: 27 Sep 2018 13:08

Instrument :
 MSVOA_W
 ClientSampleId :
 PARCEL-190-092418-2RE

Tgt Ion:	114	Resp:	311444
Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.0
88	16.4	0.0	33.0

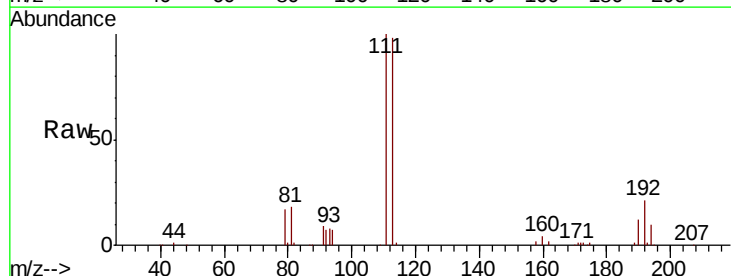


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

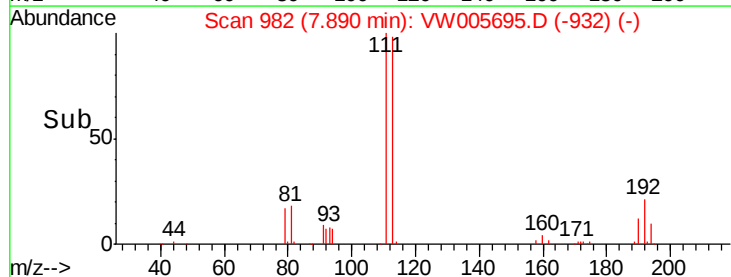
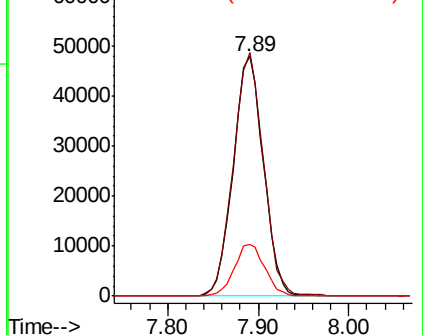


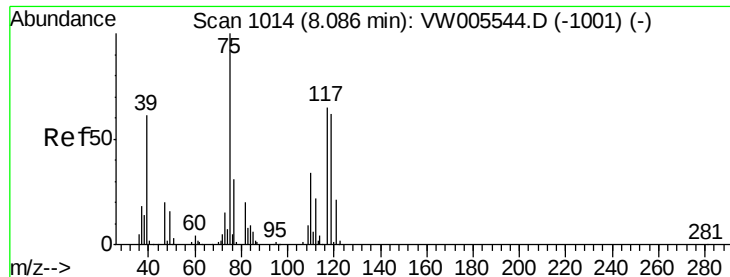
#35
 Dibromofluoromethane
 Concen: 56.556 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005695.D
 Acq: 27 Sep 2018 13:08

Tgt Ion:	113	Resp:	110768
Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.6	123.8
192	21.6	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: 4.732 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW005695.D

Acq: 27 Sep 2018 13:08

Instrument :

MSVOA_W

ClientSampleId :

PARCEL-190-092418-2RE

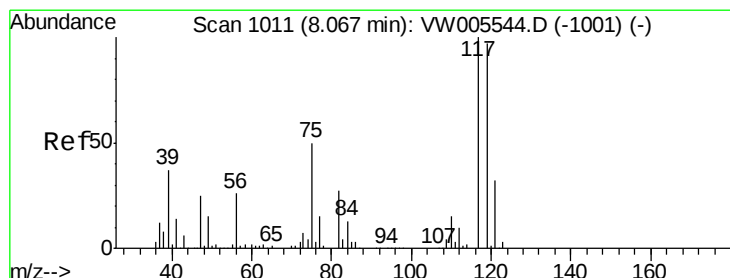
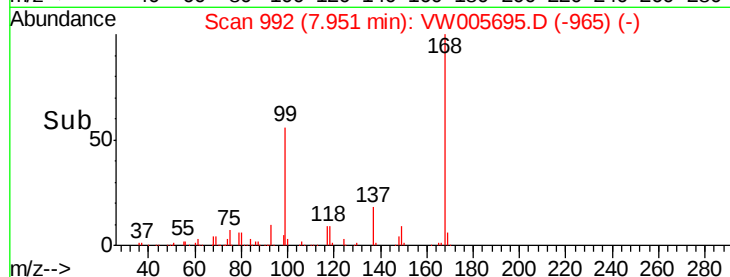
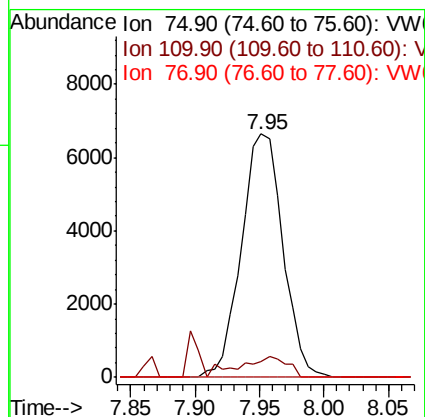
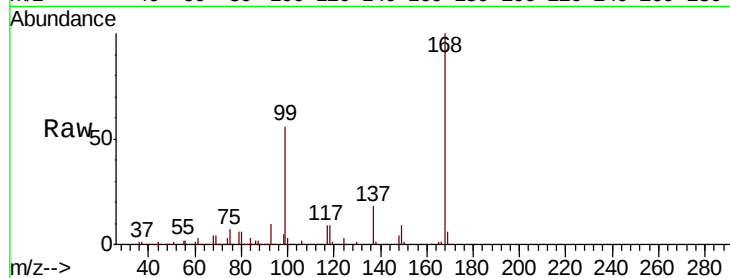
Tgt Ion: 75 Resp: 14836

Ion Ratio Lower Upper

75 100

110 7.4 17.0 50.9#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.717 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.11 min

Lab File: VW005695.D

Acq: 27 Sep 2018 13:08

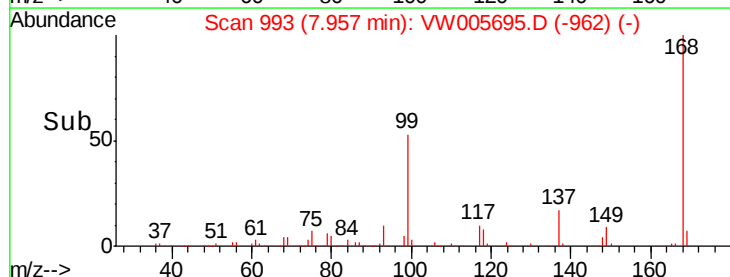
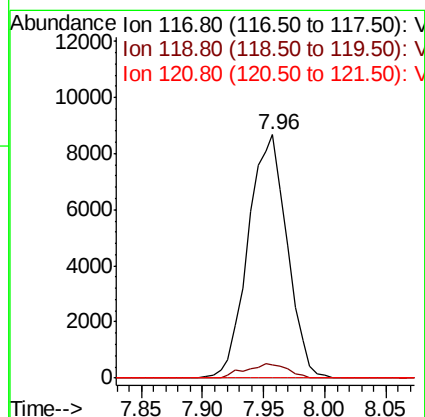
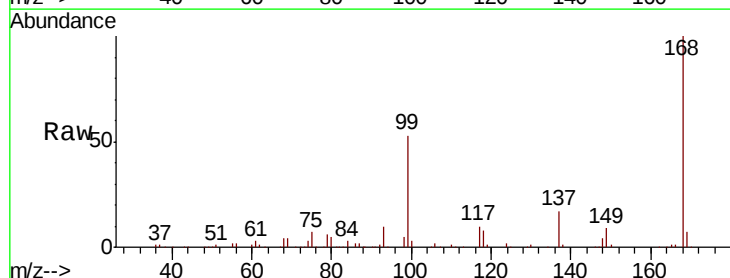
Tgt Ion: 117 Resp: 19206

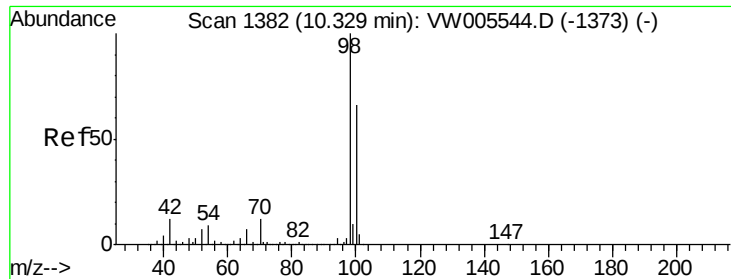
Ion Ratio Lower Upper

117 100

119 5.3 77.6 116.4#

121 0.0 25.7 38.5#

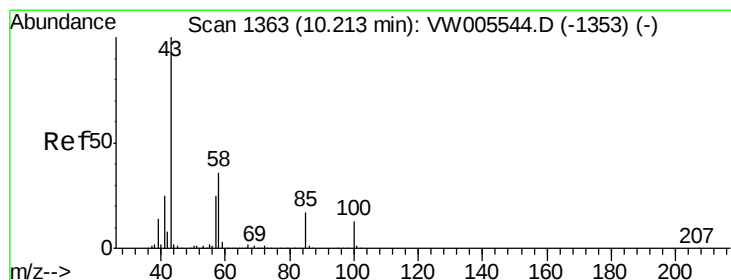
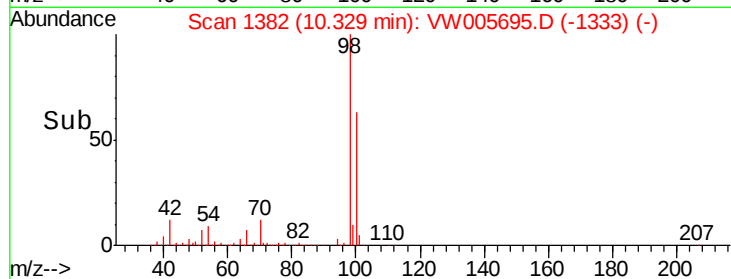
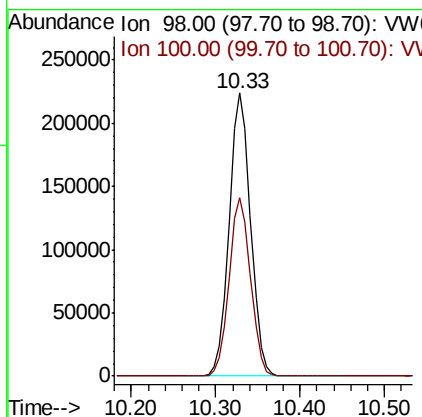
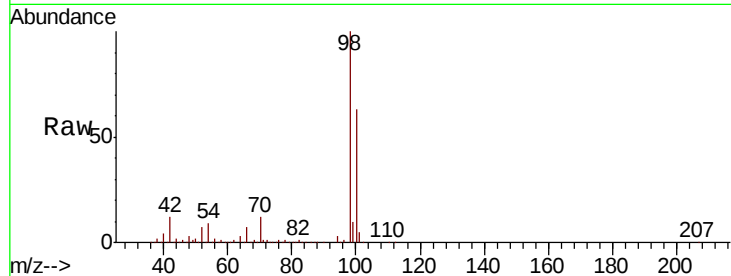




#50
Toluene-d8
Concen: 48.401 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005695.D
Acq: 27 Sep 2018 13:08

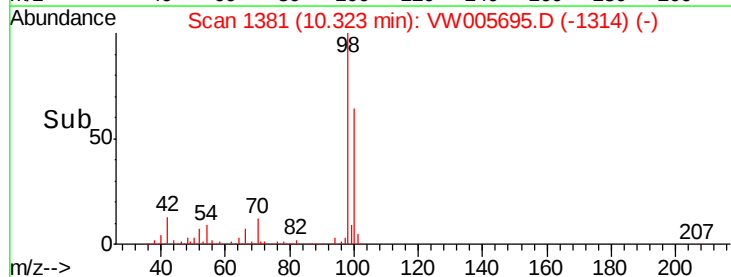
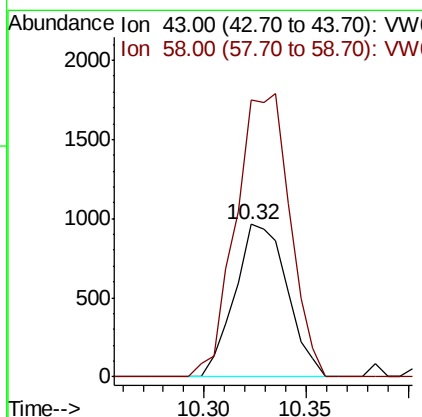
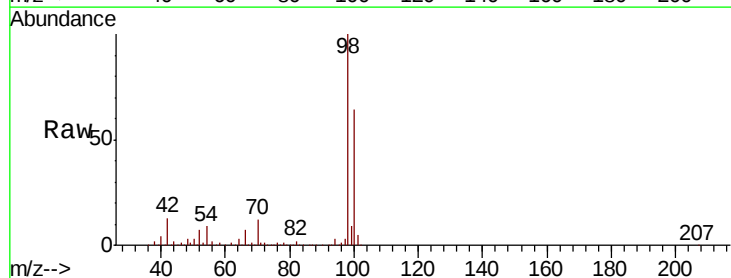
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PARCEL-190-092418-2RE

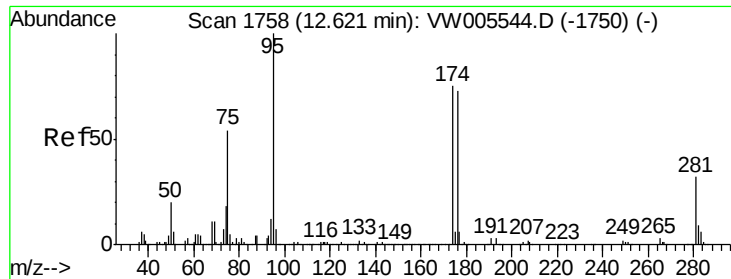
Tgt Ion: 98 Resp: 385989
Ion Ratio Lower Upper
98 100
100 63.1 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.313 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.11 min
Lab File: VW005695.D
Acq: 27 Sep 2018 13:08

Tgt Ion: 43 Resp: 1716
Ion Ratio Lower Upper
43 100
58 191.3 30.0 45.0#





#62

4-Bromofluorobenzene

Concen: 34.258 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005695.D

Acq: 27 Sep 2018 13:08

Instrument :

MSVOA_W

ClientSampleId :

PARCEL-190-092418-2RE

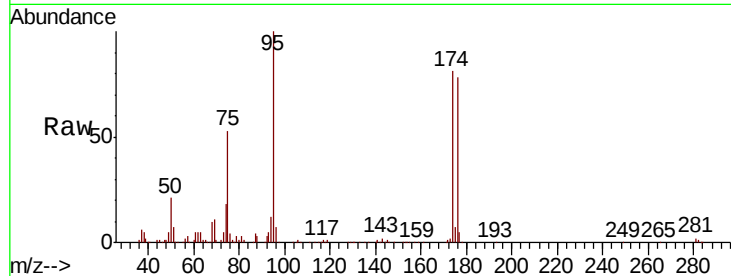
Tgt Ion: 95 Resp: 101090

Ion Ratio Lower Upper

95 100

174 84.5 0.0 163.8

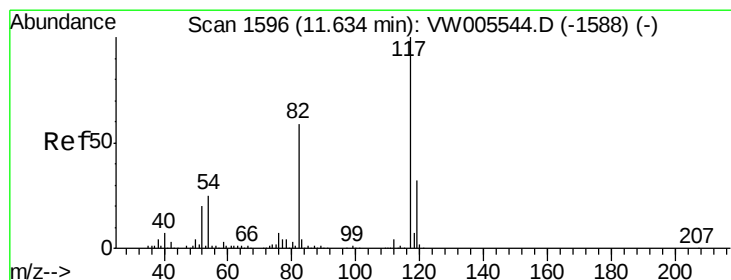
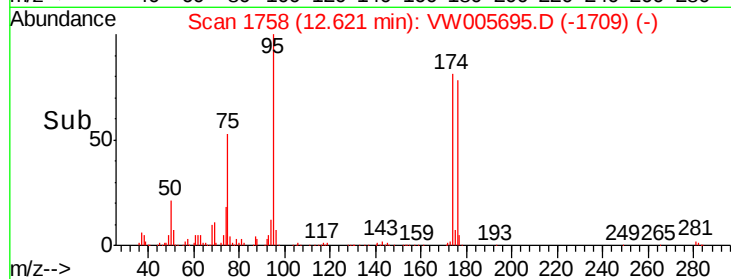
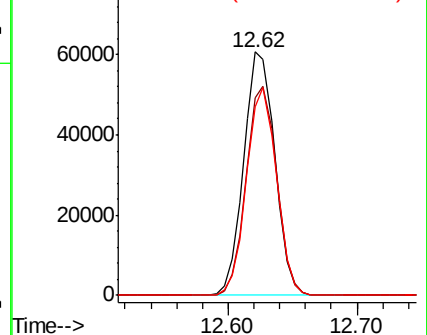
176 82.2 0.0 158.0



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. 0.01 min

Lab File: VW005695.D

Acq: 27 Sep 2018 13:08

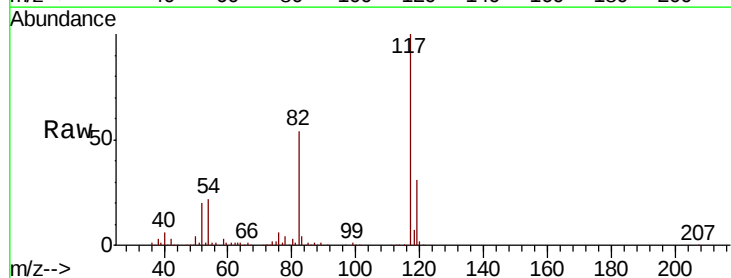
Tgt Ion: 117 Resp: 250161

Ion Ratio Lower Upper

117 100

82 54.4 46.9 70.3

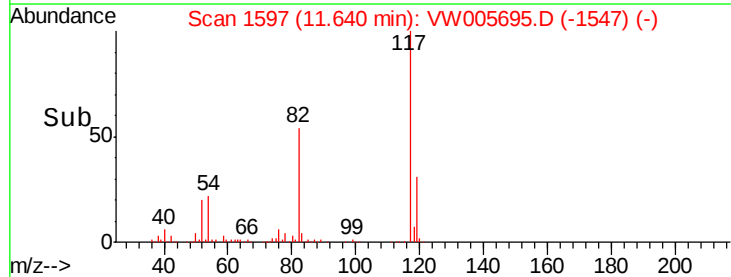
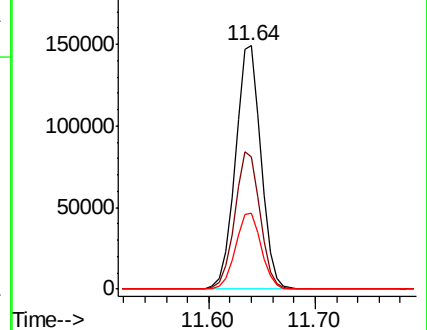
119 31.4 25.7 38.5

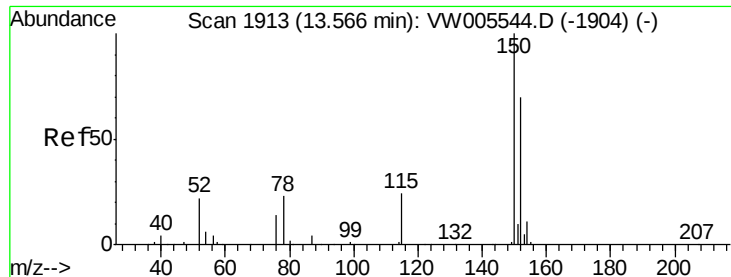


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW005695.D

Acq: 27 Sep 2018 13:08

Instrument :

MSVOA_W

ClientSampleId :

PARCEL-190-092418-2RE

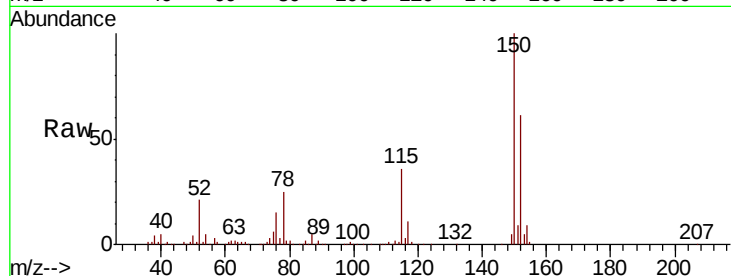
Tgt Ion:152 Resp: 81472

Ion Ratio Lower Upper

152 100

115 58.1 30.0 90.0

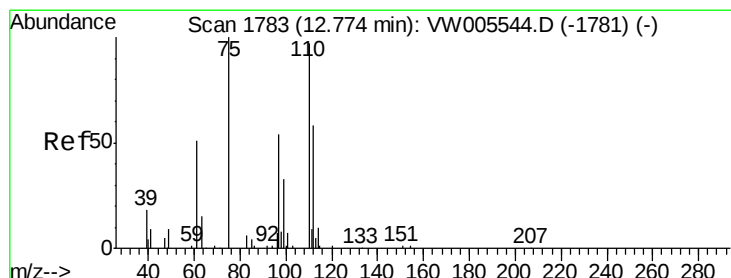
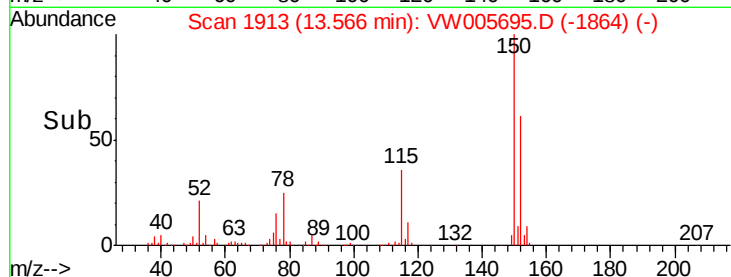
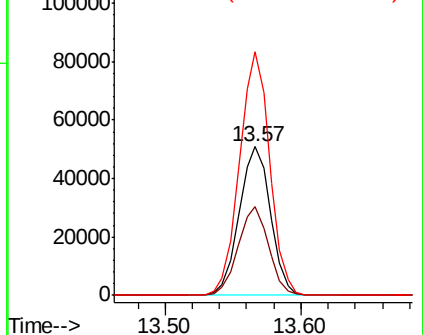
150 158.4 0.0 348.6



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: 76.438 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005695.D

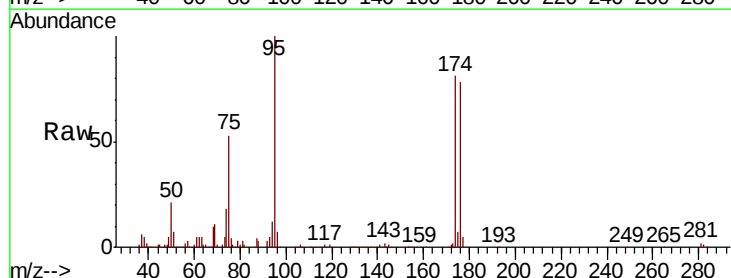
Acq: 27 Sep 2018 13:08

Tgt Ion: 75 Resp: 53086

Ion Ratio Lower Upper

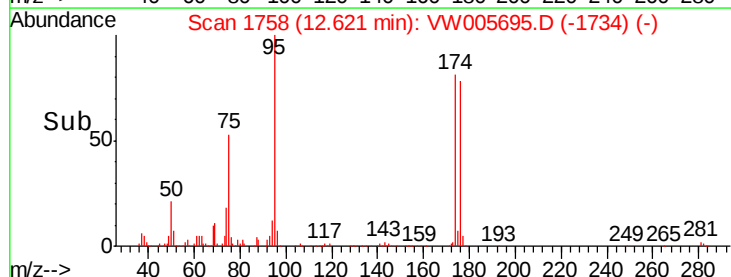
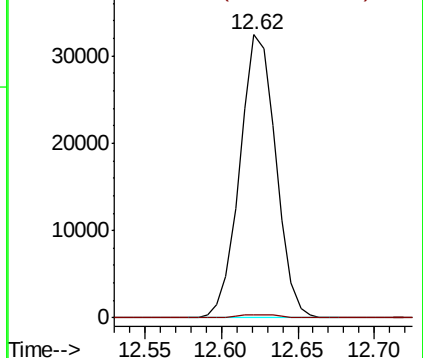
75 100

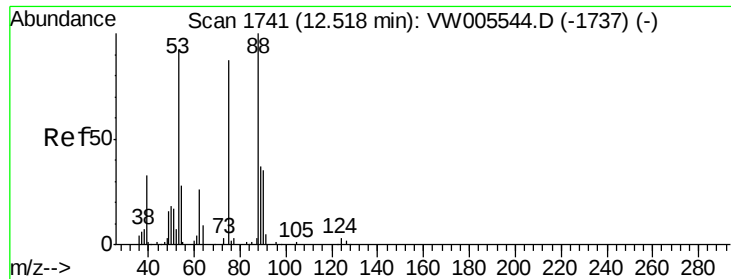
77 1.2 0.0 0.0#



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: 172.162 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005695.D

Acq: 27 Sep 2018 13:08

Instrument :

MSVOA_W

ClientSampleId :

PARCEL-190-092418-2RE

Tgt Ion: 75 Resp: 53086

Ion Ratio Lower Upper

75 100

53 0.2 85.8 128.6#

89 0.0 37.3 55.9#

