

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100618\
 Data File : VW005876.D
 Acq On : 05 Oct 2018 03:32
 Operator : SY/AP
 Sample : J5218-05RE
 Misc : 3.38G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 293-230RE

Quant Time: Oct 05 05:15:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100418S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 04 07:08:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	155381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	241584	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	186361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	47470	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	76390	40.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.04%	
35) Dibromofluoromethane	7.89	113	30074	18.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.98%	
50) Toluene-d8	10.33	98	203211	32.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.64%	
62) 4-Bromofluorobenzene	12.62	95	49424	21.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.54%	

Target Compounds

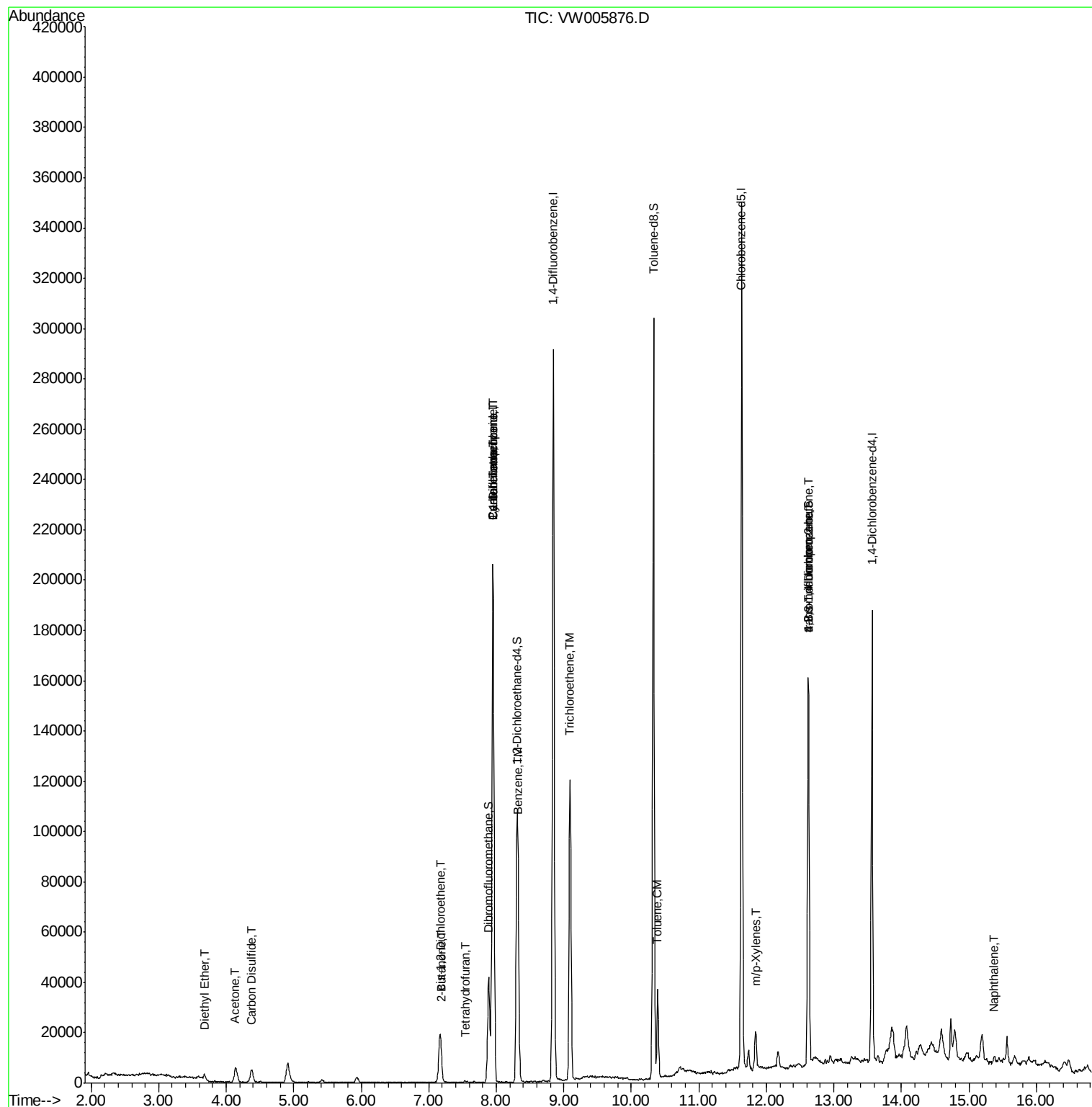
					Qvalue	
8) Diethyl Ether	3.68	74	1419	1.738	ug/l	82
16) Acetone	4.13	43	11505	36.572	ug/l	93
17) Carbon Disulfide	4.37	76	11980	2.596	ug/l #	92
20) Methylene Chloride	4.92	84	6427	Below Cal		92
25) 2-Butanone	7.19	43	1781	4.025	ug/l #	62
27) cis-1,2-Dichloroethene	7.17	96	8778	4.944	ug/l	90
29) Tetrahydrofuran	7.56	42	387	1.417	ug/l #	54
31) Cyclohexane	7.95	56	3543	1.374	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	11584	4.824	ug/l #	49
38) Carbon Tetrachloride	7.96	117	15352	5.738	ug/l #	16
40) Benzene	8.33	78	30437	4.373	ug/l	92
44) Trichloroethene	9.09	130	42663	23.194	ug/l	99
52) Toluene	10.39	92	13969	3.149	ug/l	96
68) m/p-Xylenes	11.84	106	4665	1.735	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	25760	59.711	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	25760	150.937	ug/l #	8
95) Naphthalene	15.38	128	2209	3.198	ug/l #	94

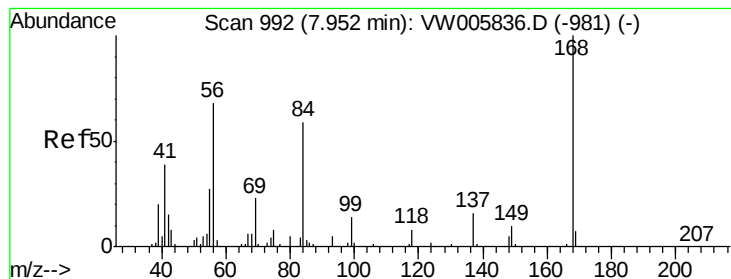
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 04 07:08:57 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005876.D

Acq: 05 Oct 2018 03:32

Instrument :

MSVOA_W

ClientSampleId :

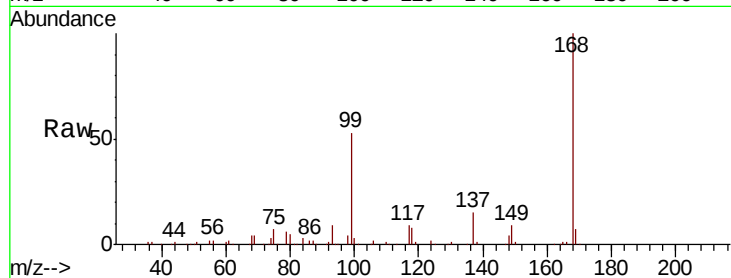
293-230RE

Tgt Ion:168 Resp: 155381

Ion Ratio Lower Upper

168 100

99 53.1 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

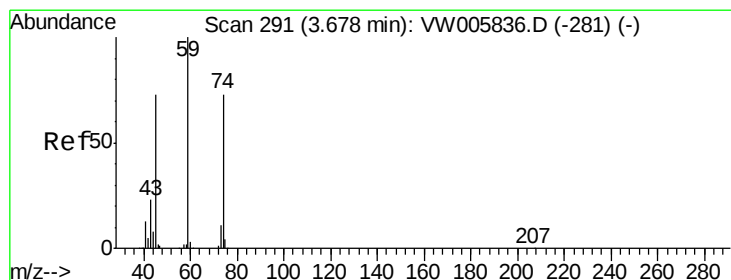
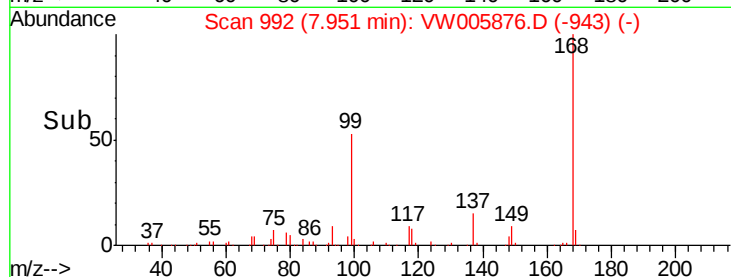
40000

20000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 1.738 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW005876.D

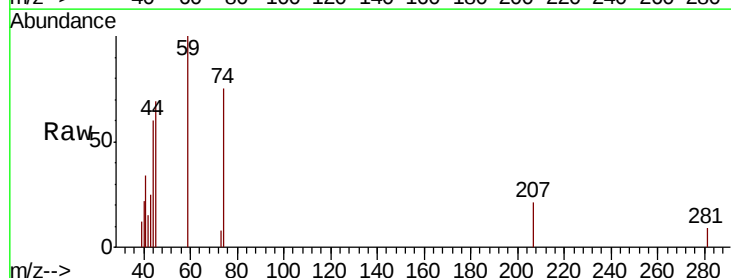
Acq: 05 Oct 2018 03:32

Tgt Ion: 74 Resp: 1419

Ion Ratio Lower Upper

74 100

45 116.3 49.1 147.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

600

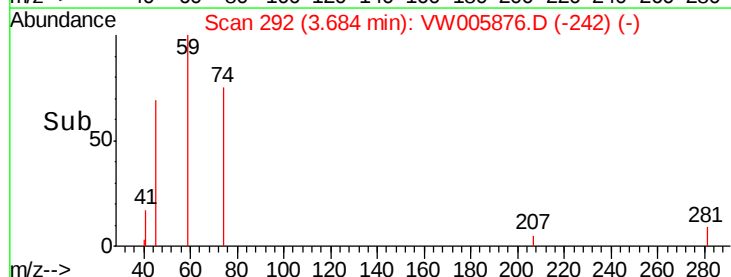
400

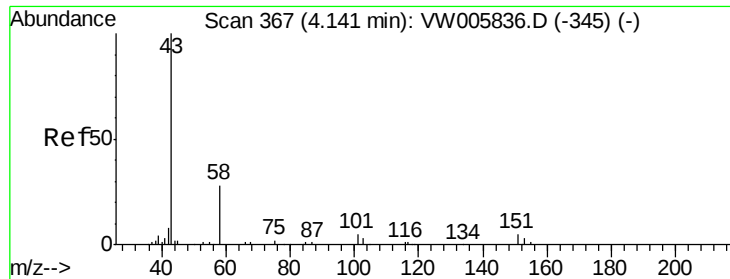
200

0

3.60 3.65 3.70 3.75

Time-->





#16

Acetone

Concen: 36.572 ug/l

RT: 4.13 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW005876.D

Acq: 05 Oct 2018 03:32

Instrument :

MSVOA_W

ClientSampleId :

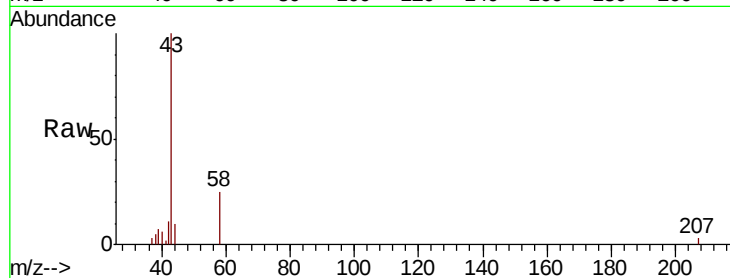
293-230RE

Tgt Ion: 43 Resp: 11505

Ion Ratio Lower Upper

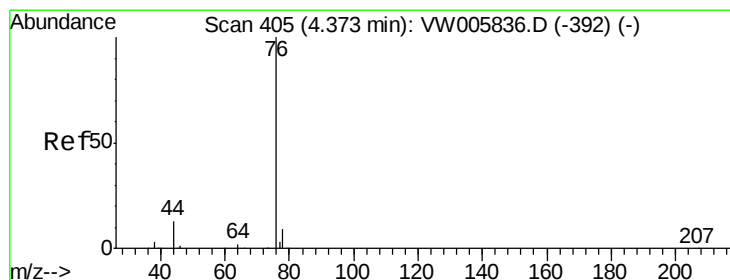
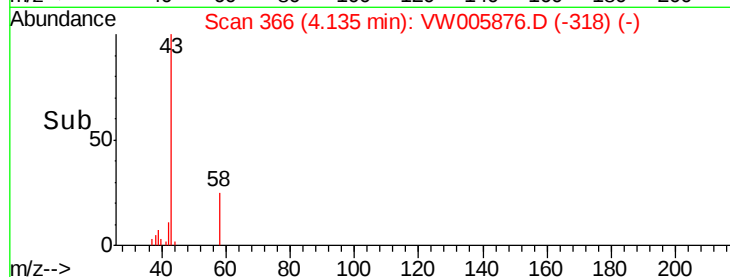
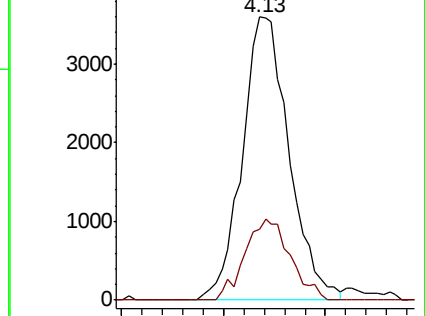
43 100

58 25.2 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 2.596 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW005876.D

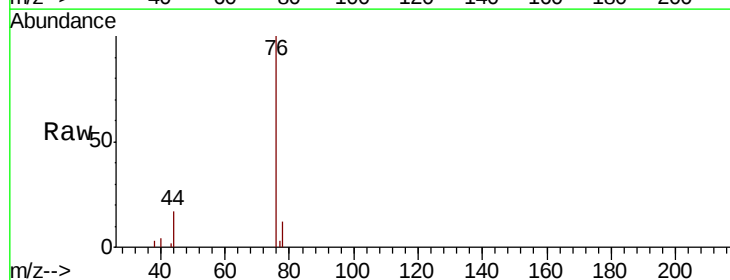
Acq: 05 Oct 2018 03:32

Tgt Ion: 76 Resp: 11980

Ion Ratio Lower Upper

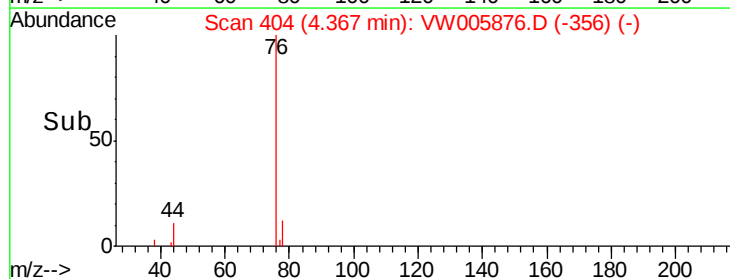
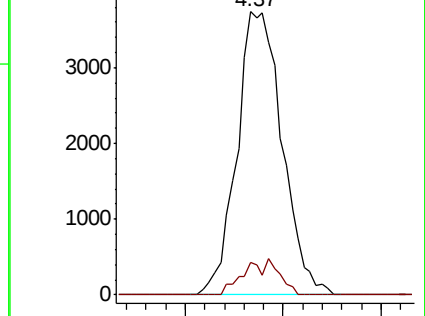
76 100

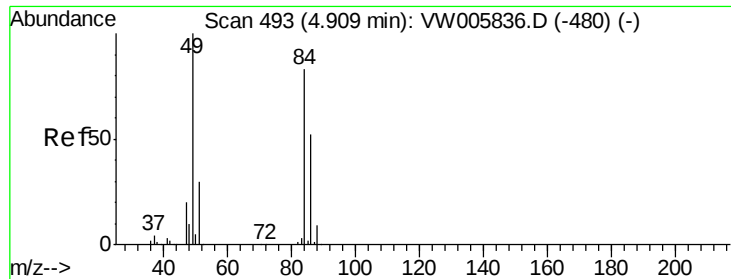
78 11.6 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

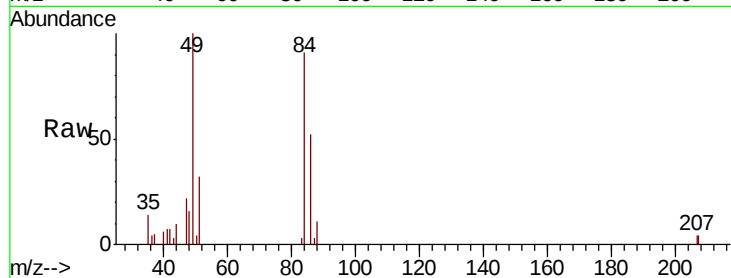




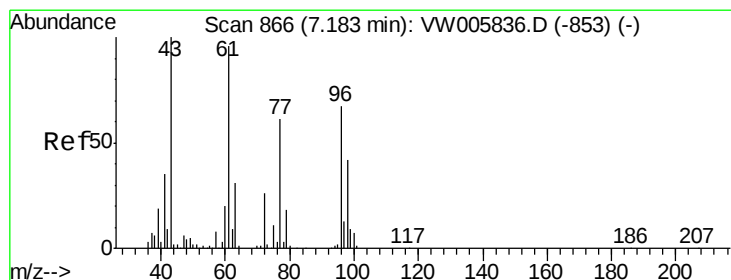
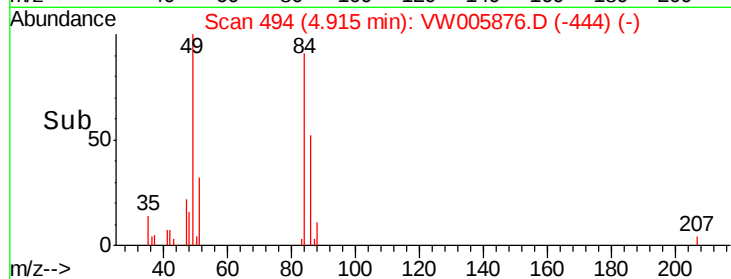
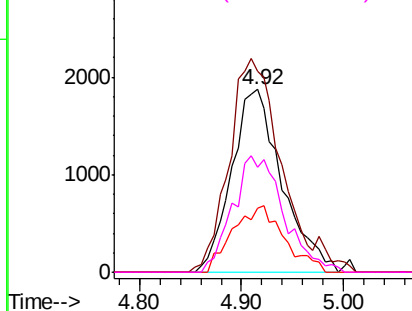
#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW005876.D
Acq: 05 Oct 2018 03:32

Instrument :
MSVOA_W
ClientSampleId :
293-230RE

Tgt Ion: 84 Resp: 6427
Ion Ratio Lower Upper
84 100
49 110.0 96.8 145.2
51 35.1 28.8 43.2
86 57.5 50.5 75.7

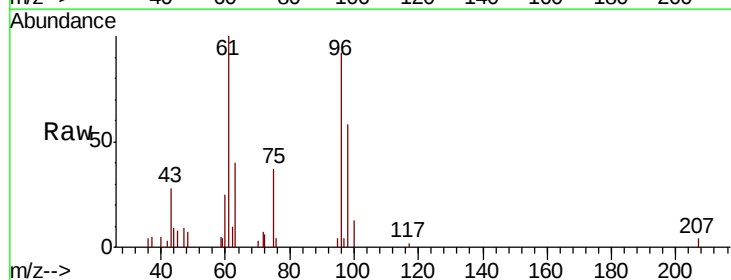


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

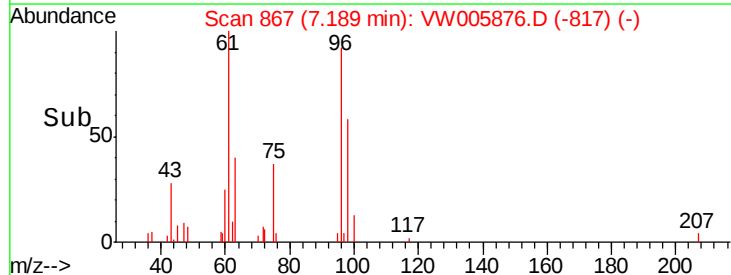
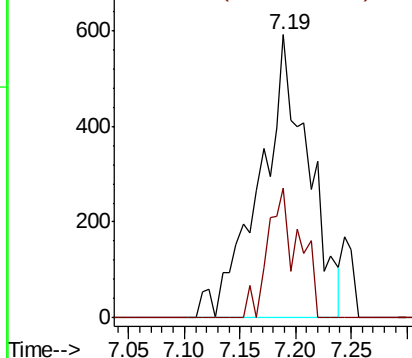


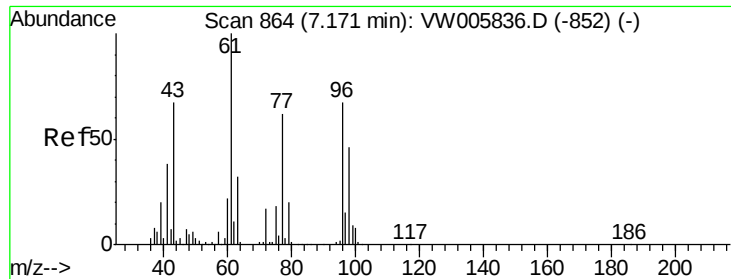
#25
2-Butanone
Concen: 4.025 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW005876.D
Acq: 05 Oct 2018 03:32

Tgt Ion: 43 Resp: 1781
Ion Ratio Lower Upper
43 100
72 45.7 20.9 31.3#



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





#27

cis-1,2-Dichloroethene

Concen: 4.944 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW005876.D

Acq: 05 Oct 2018 03:32

Instrument :

MSVOA_W

ClientSampleId :

293-230RE

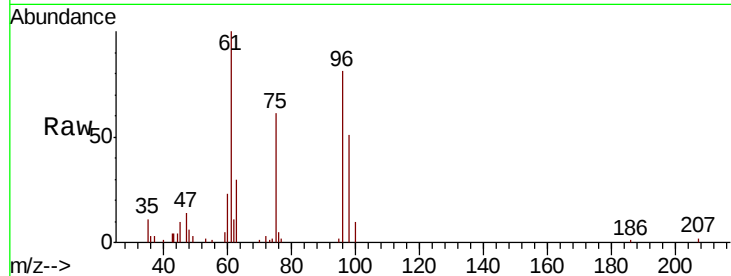
Tgt Ion: 96 Resp: 8778

Ion Ratio Lower Upper

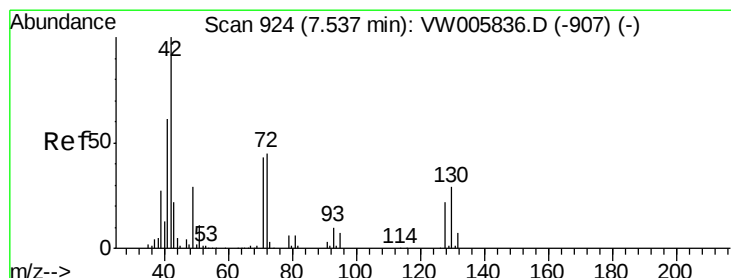
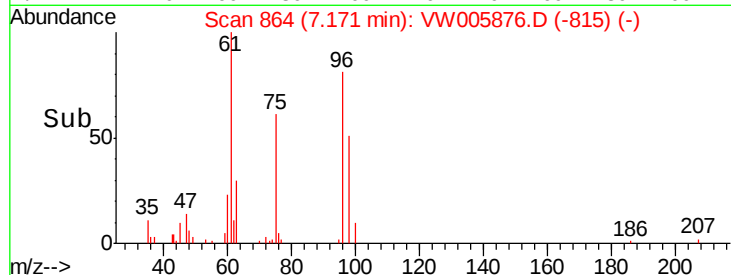
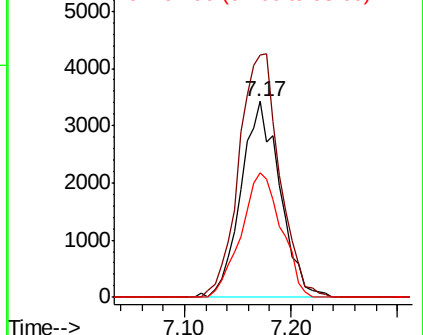
96 100

61 129.8 0.0 296.4

98 65.6 0.0 131.4



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#29

Tetrahydrofuran

Concen: 1.417 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW005876.D

Acq: 05 Oct 2018 03:32

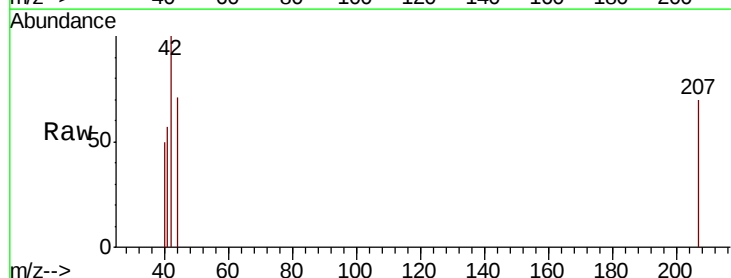
Tgt Ion: 42 Resp: 387

Ion Ratio Lower Upper

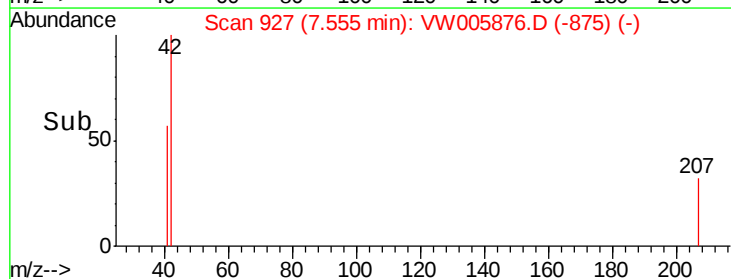
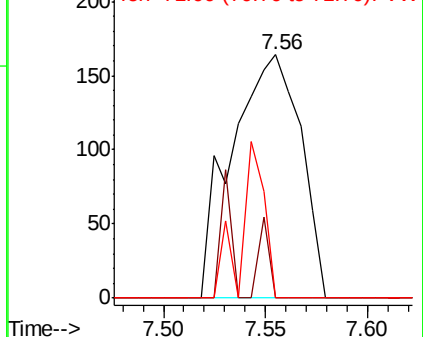
42 100

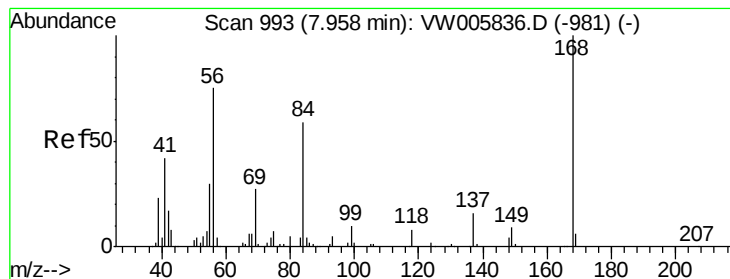
72 5.2 34.6 51.8#

71 21.7 33.6 50.4#



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: 1.374 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005876.D

Acq: 05 Oct 2018 03:32

Instrument :

MSVOA_W

ClientSampleId :

293-230RE

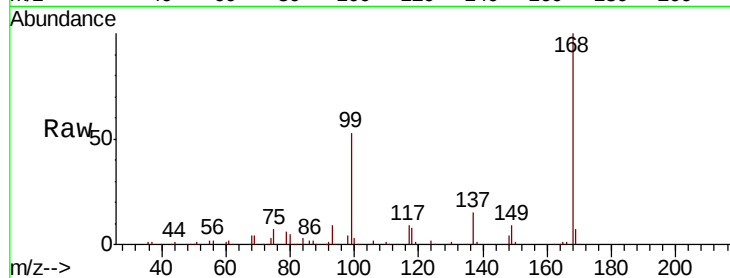
Tgt Ion: 56 Resp: 3543

Ion Ratio Lower Upper

56 100

69 180.1 29.0 43.4#

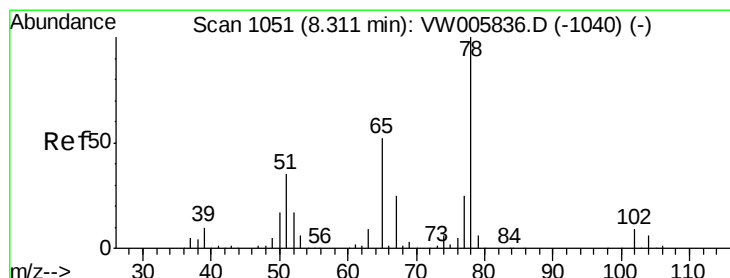
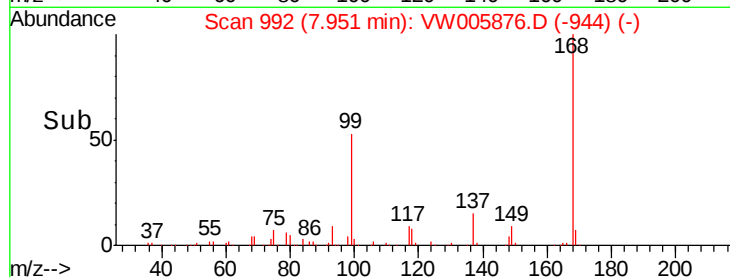
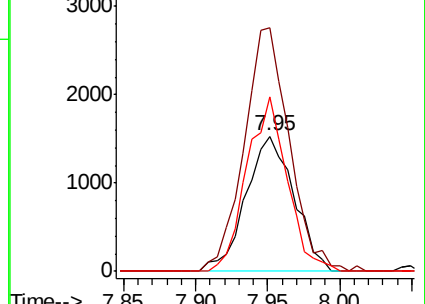
84 128.8 63.5 95.3#



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: 40.525 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005876.D

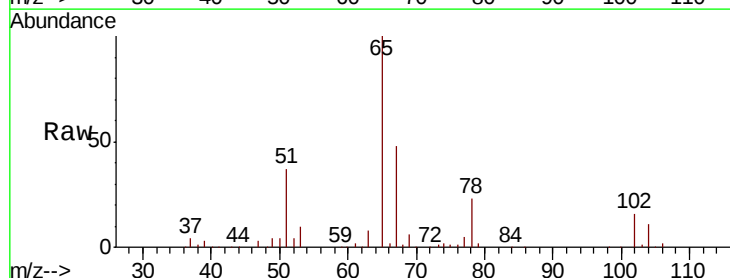
Acq: 05 Oct 2018 03:32

Tgt Ion: 65 Resp: 76390

Ion Ratio Lower Upper

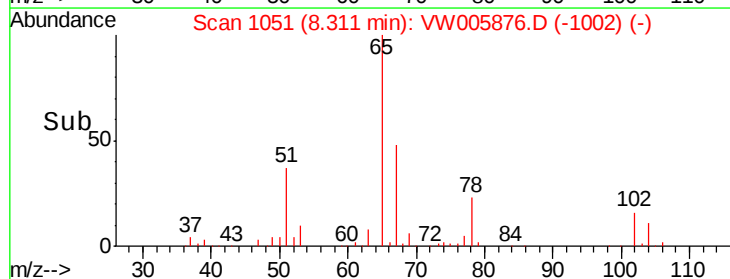
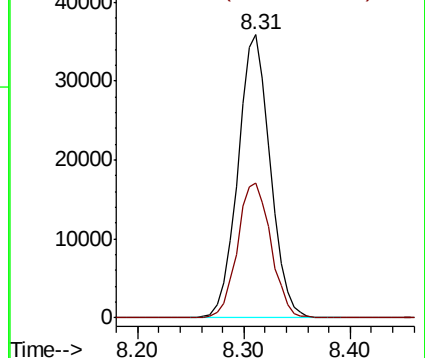
65 100

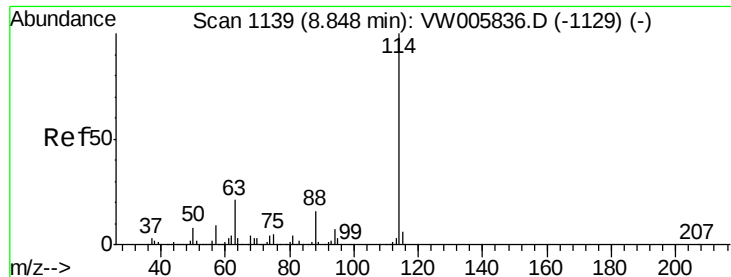
67 49.4 0.0 98.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

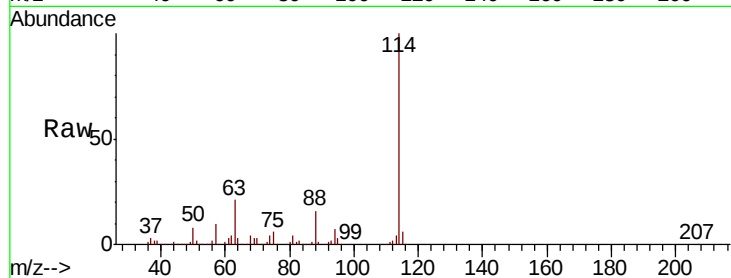




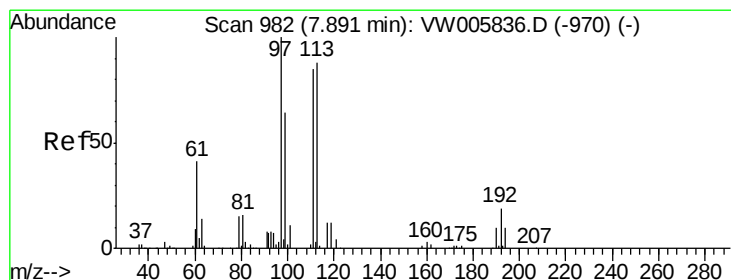
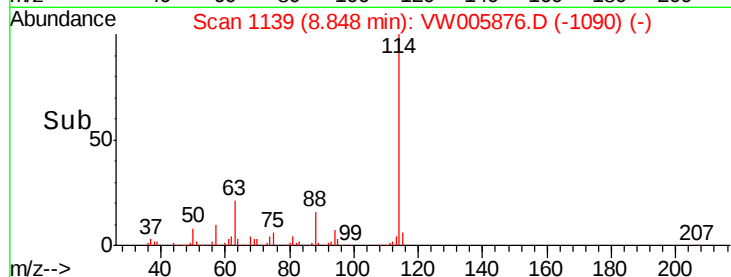
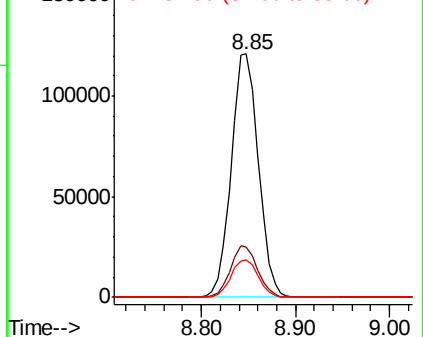
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005876.D
 Acq: 05 Oct 2018 03:32

Instrument :
 MSVOA_W
 ClientSampleId :
 293-230RE

Tgt Ion:114 Resp: 241584
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.0
 88 15.7 0.0 31.2

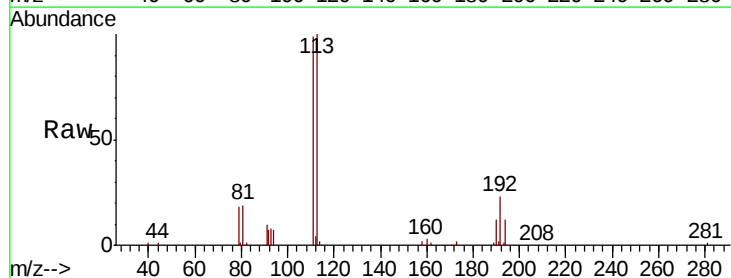


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

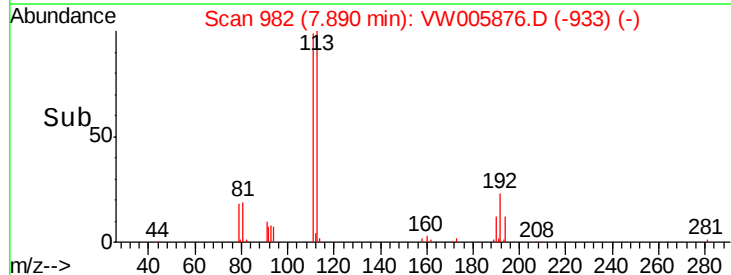
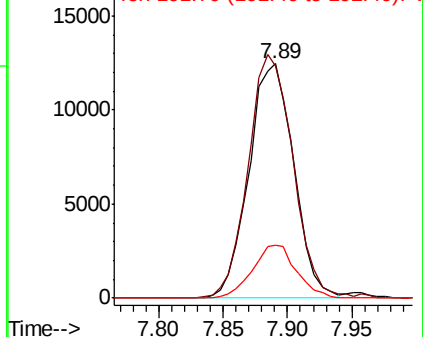


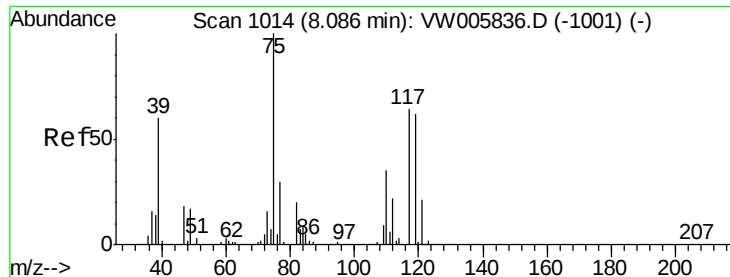
#35
 Dibromofluoromethane
 Concen: 18.993 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005876.D
 Acq: 05 Oct 2018 03:32

Tgt Ion:113 Resp: 30074
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.4 122.2
 192 22.0 17.3 25.9



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

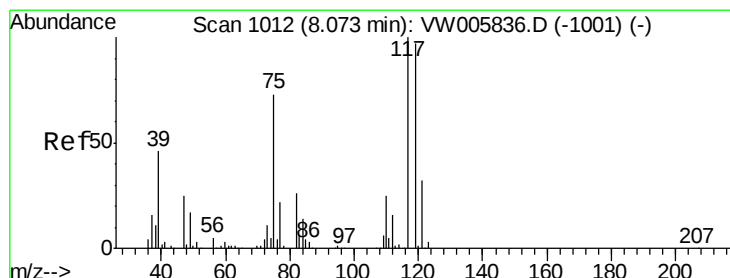
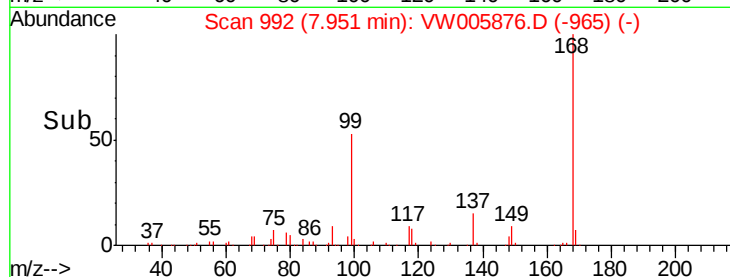
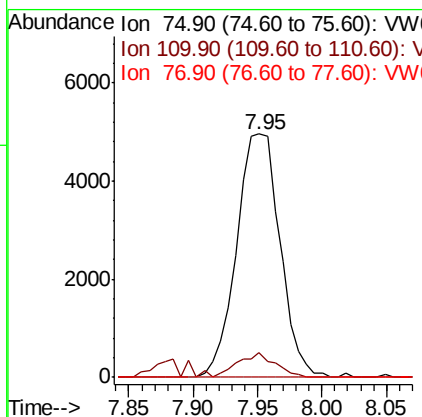
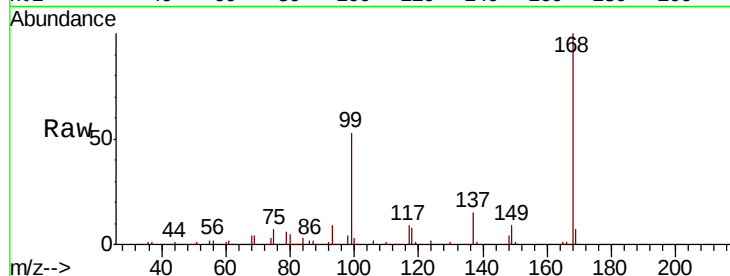




#36
 1,1-Dichloropropene
 Concen: 4.824 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005876.D
 Acq: 05 Oct 2018 03:32

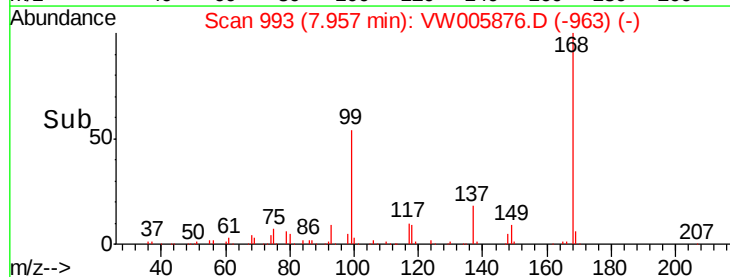
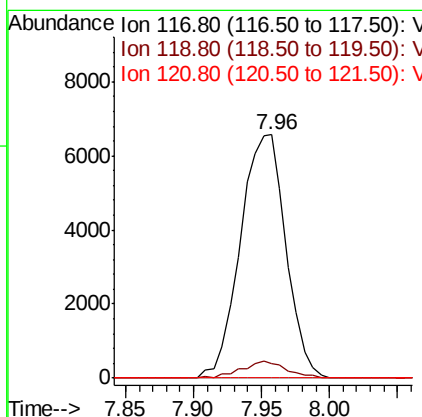
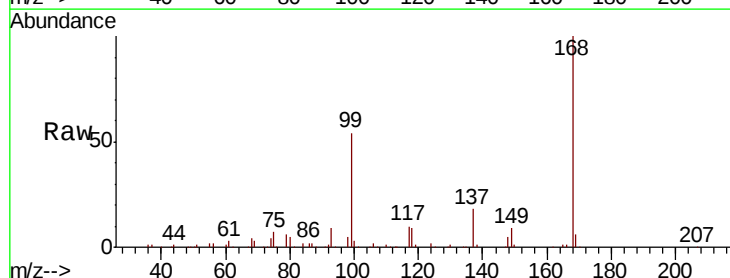
Instrument :
 MSVOA_W
 ClientSampleId :
 293-230RE

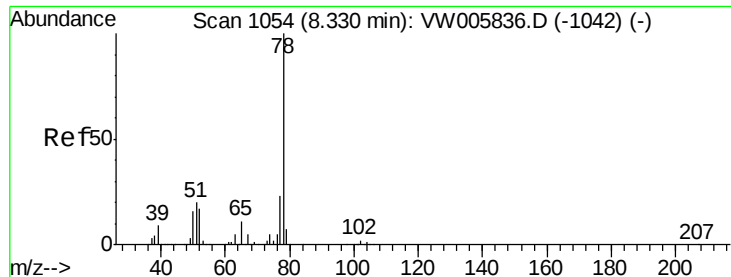
Tgt Ion: 75 Resp: 11584
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.5 52.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.738 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005876.D
 Acq: 05 Oct 2018 03:32

Tgt Ion: 117 Resp: 15352
 Ion Ratio Lower Upper
 117 100
 119 6.1 77.9 116.9#
 121 0.0 25.2 37.8#





#40

Benzene

Concen: 4.373 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW005876.D

Acq: 05 Oct 2018 03:32

Instrument :

MSVOA_W

ClientSampled :

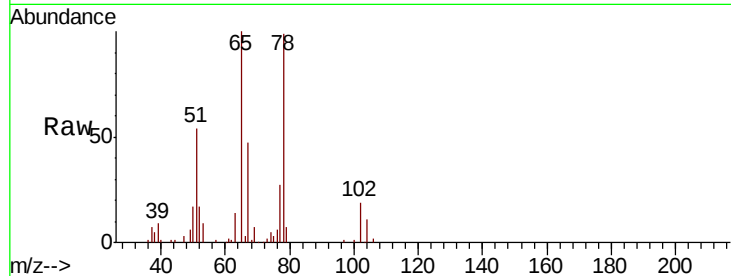
293-230RE

Tgt Ion: 78 Resp: 30437

Ion Ratio Lower Upper

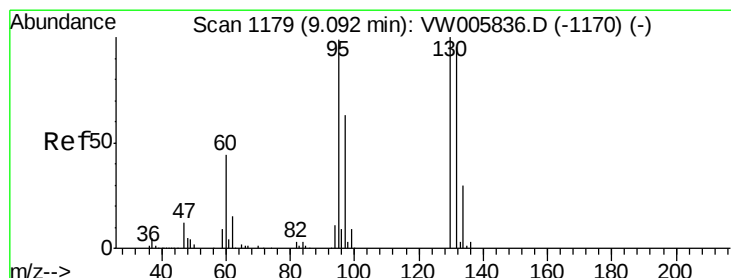
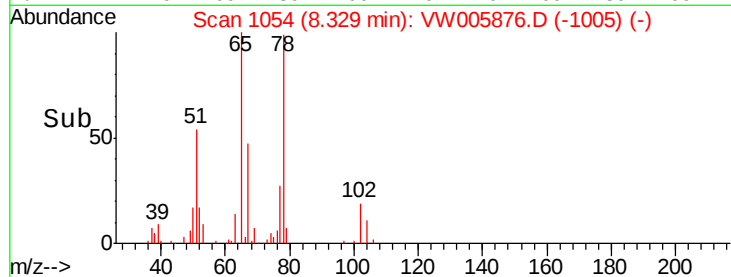
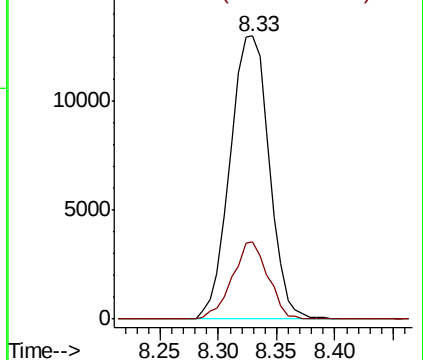
78 100

77 27.3 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



#44

Trichloroethene

Concen: 23.194 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW005876.D

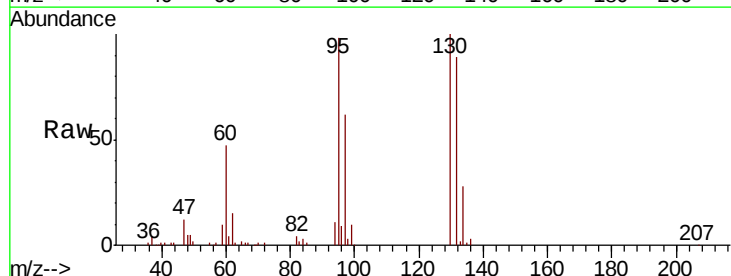
Acq: 05 Oct 2018 03:32

Tgt Ion: 130 Resp: 42663

Ion Ratio Lower Upper

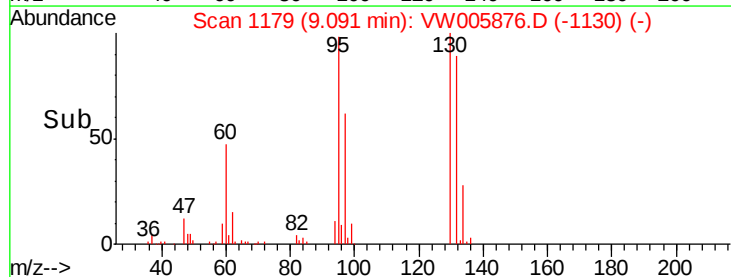
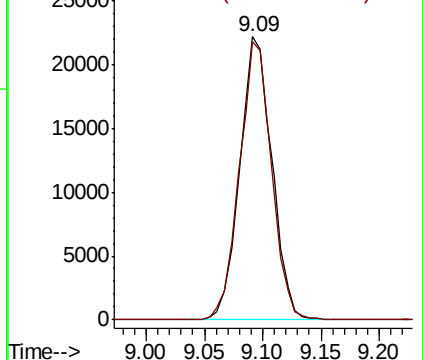
130 100

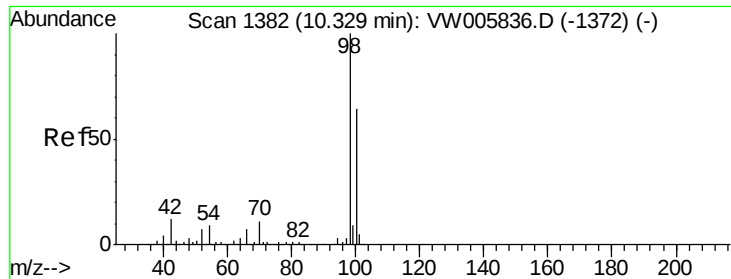
95 98.1 0.0 197.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

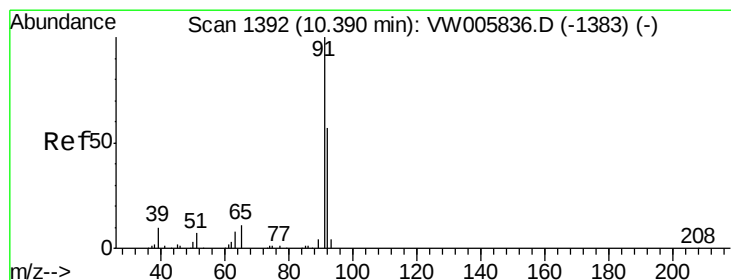
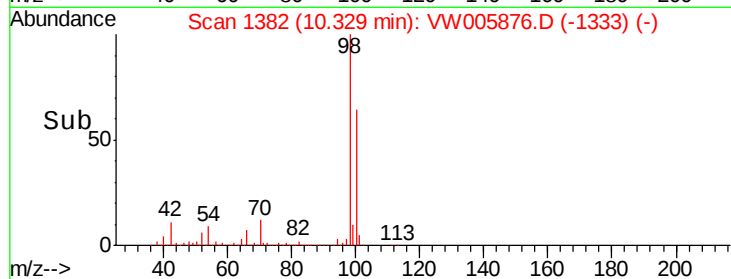
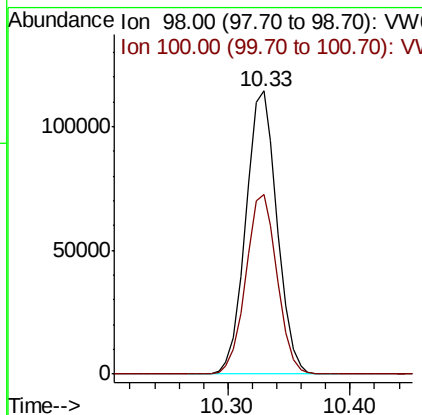
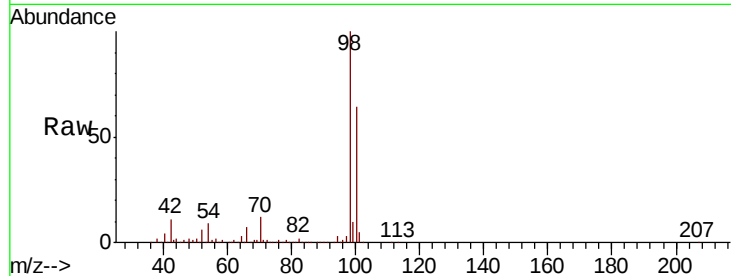




#50
Toluene-d8
Concen: 32.320 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005876.D
Acq: 05 Oct 2018 03:32

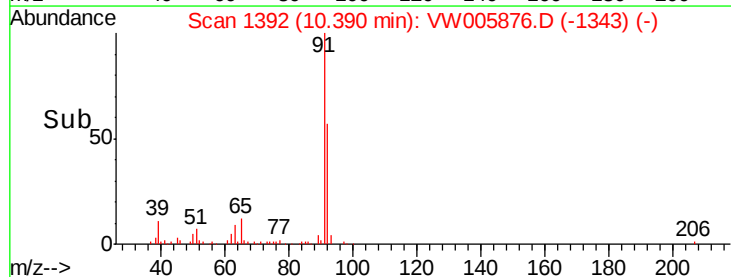
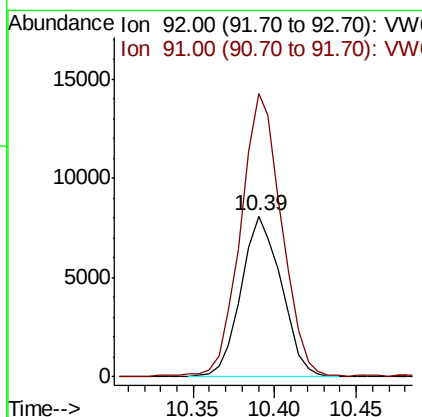
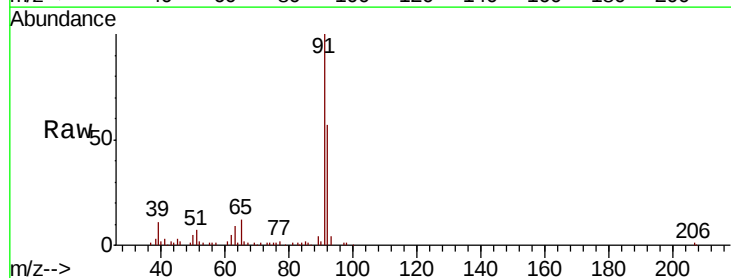
Instrument :
MSVOA_W
ClientSampleId :
293-230RE

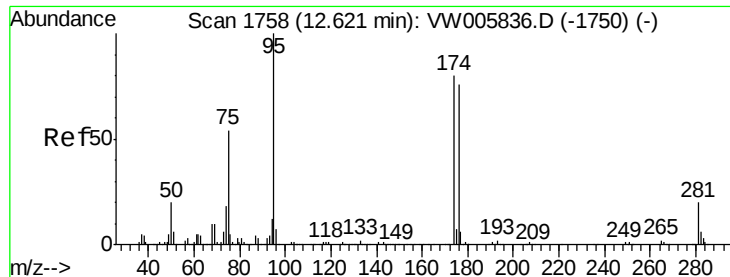
Tgt Ion: 98 Resp: 203211
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#52
Toluene
Concen: 3.149 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW005876.D
Acq: 05 Oct 2018 03:32

Tgt Ion: 92 Resp: 13969
Ion Ratio Lower Upper
92 100
91 178.8 139.0 208.4





#62

4-Bromofluorobenzene

Concen: 21.271 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005876.D

Acq: 05 Oct 2018 03:32

Instrument :

MSVOA_W

ClientSampleId :

293-230RE

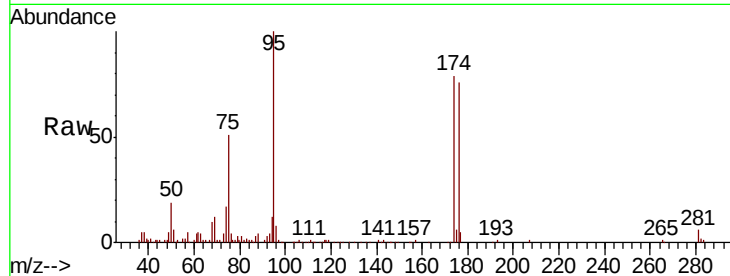
Tgt Ion: 95 Resp: 49424

Ion Ratio Lower Upper

95 100

174 82.8 0.0 169.0

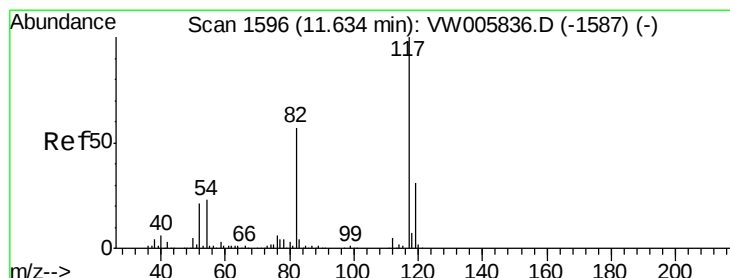
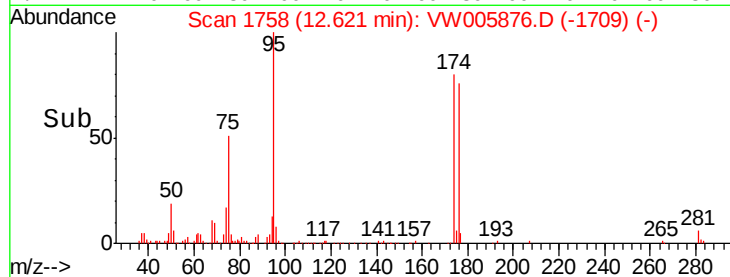
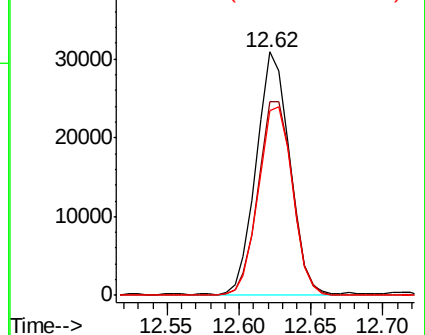
176 79.7 0.0 164.2



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: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW005876.D

Acq: 05 Oct 2018 03:32

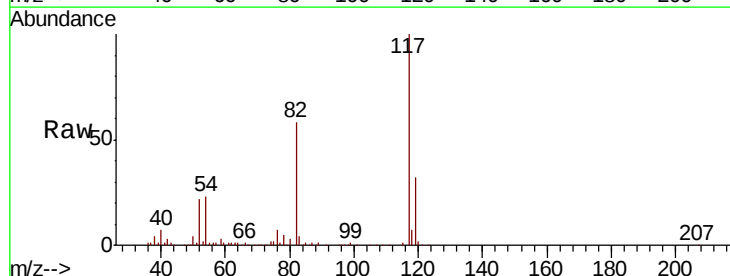
Tgt Ion: 117 Resp: 186361

Ion Ratio Lower Upper

117 100

82 57.6 45.6 68.4

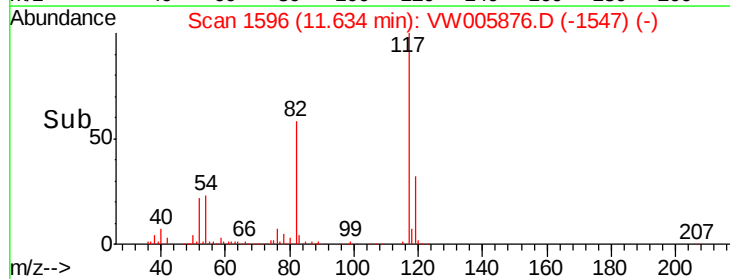
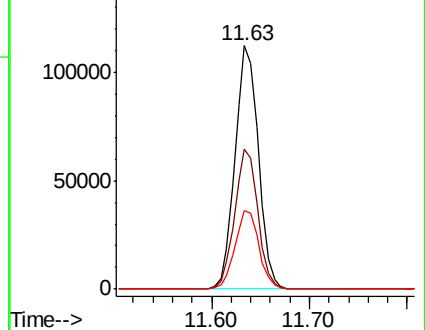
119 32.2 25.0 37.6

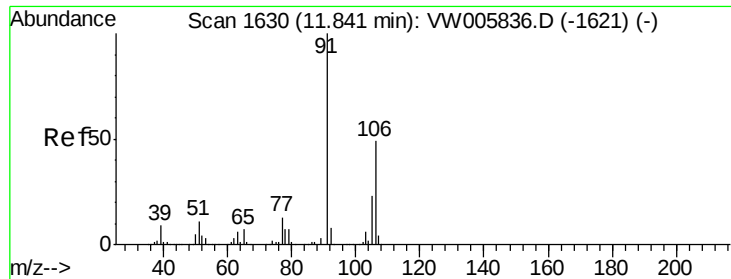


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

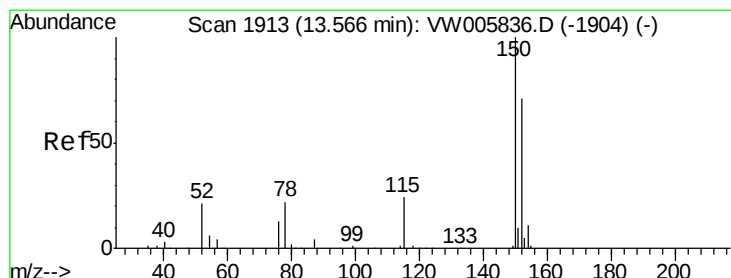
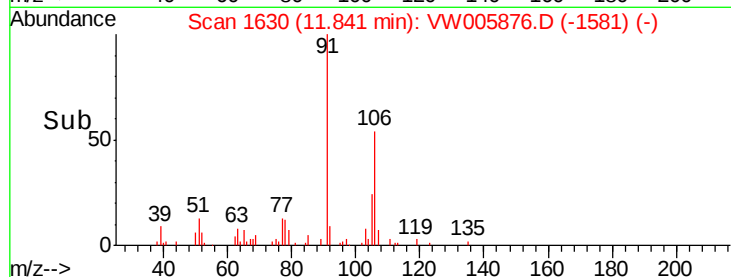
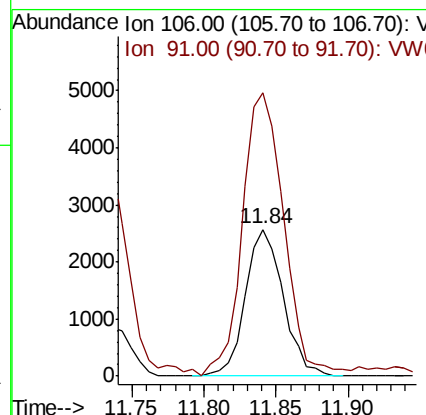
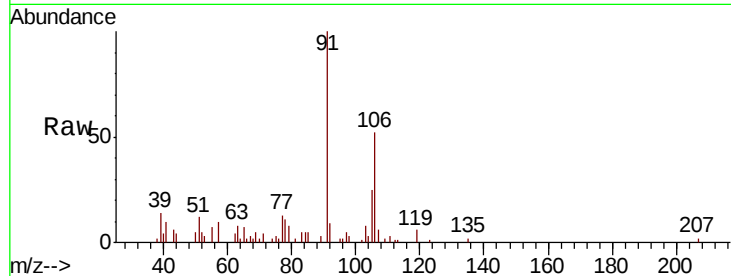




#68
m/p-Xylenes
Concen: 1.735 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW005876.D
Acq: 05 Oct 2018 03:32

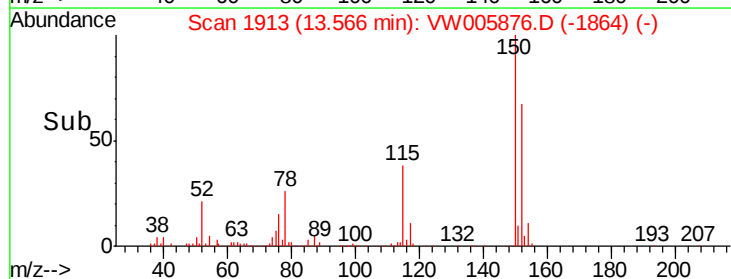
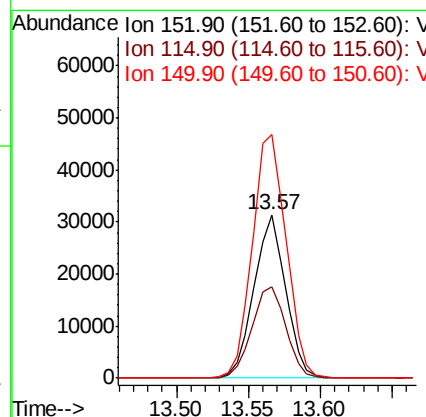
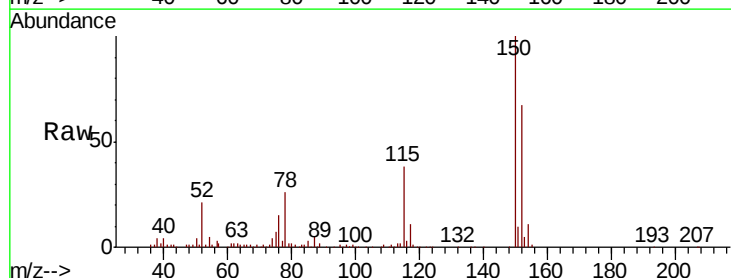
Instrument :
MSVOA_W
ClientSampleId :
293-230RE

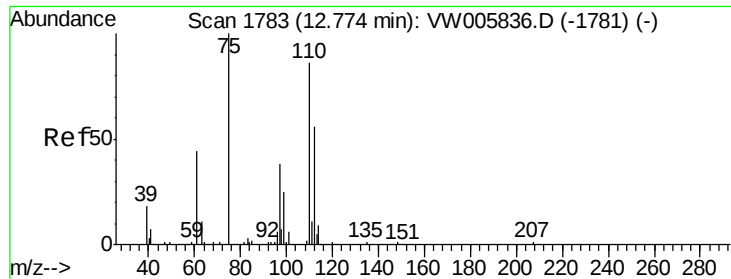
Tgt Ion:106 Resp: 4665
Ion Ratio Lower Upper
106 100
91 212.6 165.4 248.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005876.D
Acq: 05 Oct 2018 03:32

Tgt Ion:152 Resp: 47470
Ion Ratio Lower Upper
152 100
115 60.2 29.8 89.4
150 159.4 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 59.711 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005876.D

Acq: 05 Oct 2018 03:32

Instrument :

MSVOA_W

ClientSampleId :

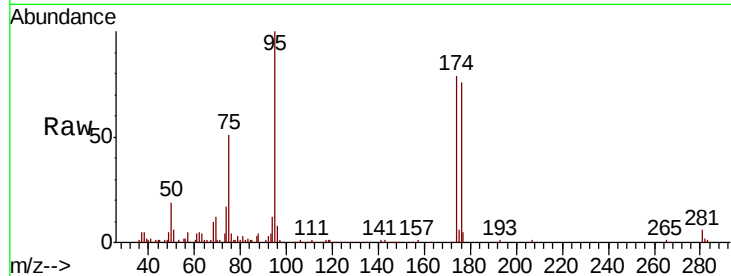
293-230RE

Tgt Ion: 75 Resp: 25760

Ion Ratio Lower Upper

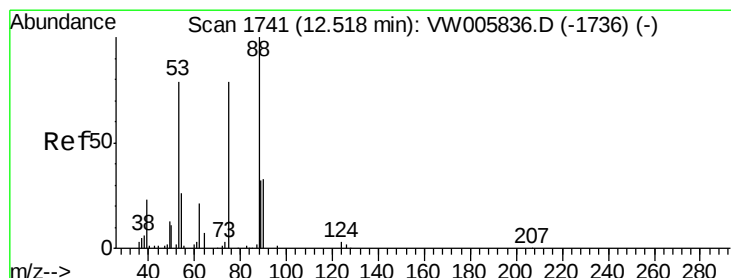
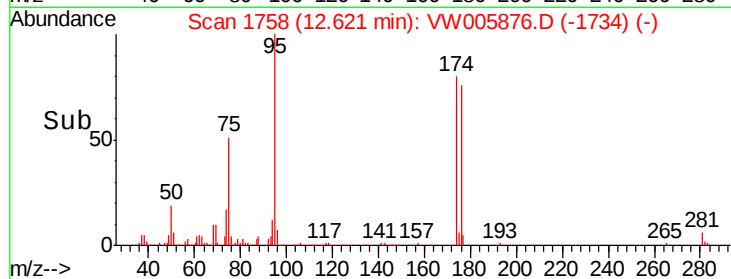
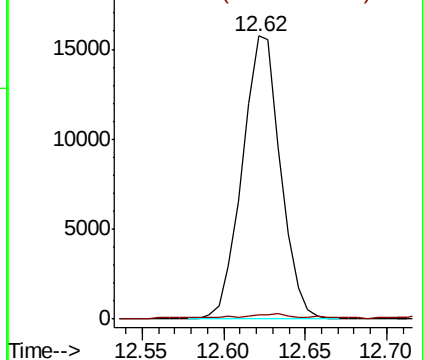
75 100

77 2.4 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: 150.937 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005876.D

Acq: 05 Oct 2018 03:32

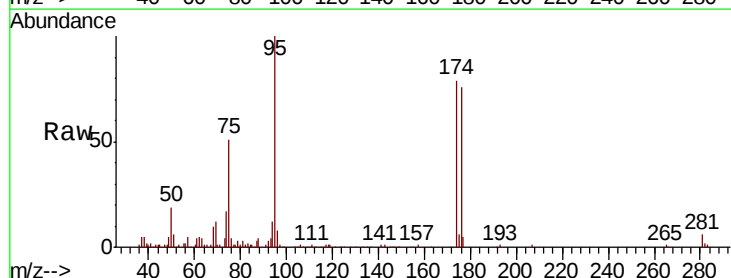
Tgt Ion: 75 Resp: 25760

Ion Ratio Lower Upper

75 100

53 0.6 83.7 125.5#

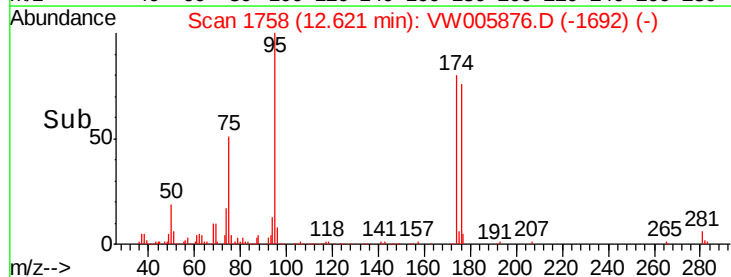
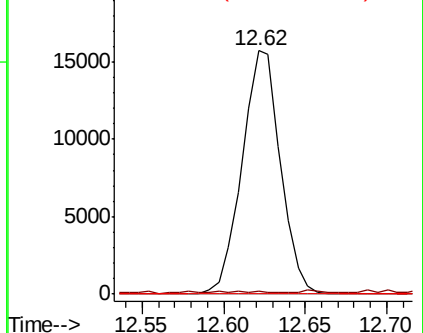
89 0.0 37.5 56.3#

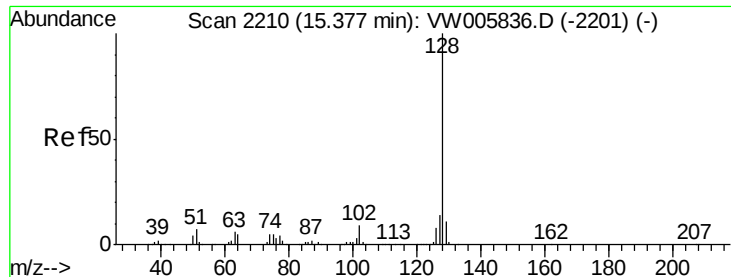


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

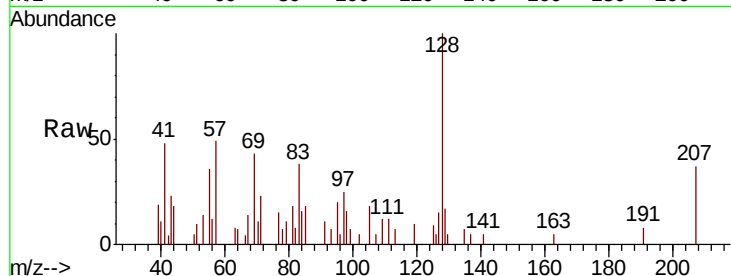




#95
Naphthalene
Concen: 3.198 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005876.D
Acq: 05 Oct 2018 03:32

Instrument :
MSVOA_W
ClientSampleId :
293-230RE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.3	10.9	16.3#
129	13.3	8.9	13.3



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

