

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081219\
 Data File : VW011836.D
 Acq On : 10 Aug 2019 02:26
 Operator : SY/VA
 Sample : K4265-21
 Misc : 5.96G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 REACTOR-4-A4-(3.4)

Quant Time: Aug 11 01:31:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	204694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	341541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	283052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	111872	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	138686	59.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.00%	
35) Dibromofluoromethane	7.88	113	106496	55.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.16%	
50) Toluene-d8	10.32	98	421087	53.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.36%	
62) 4-Bromofluorobenzene	12.62	95	131319	46.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.90%	

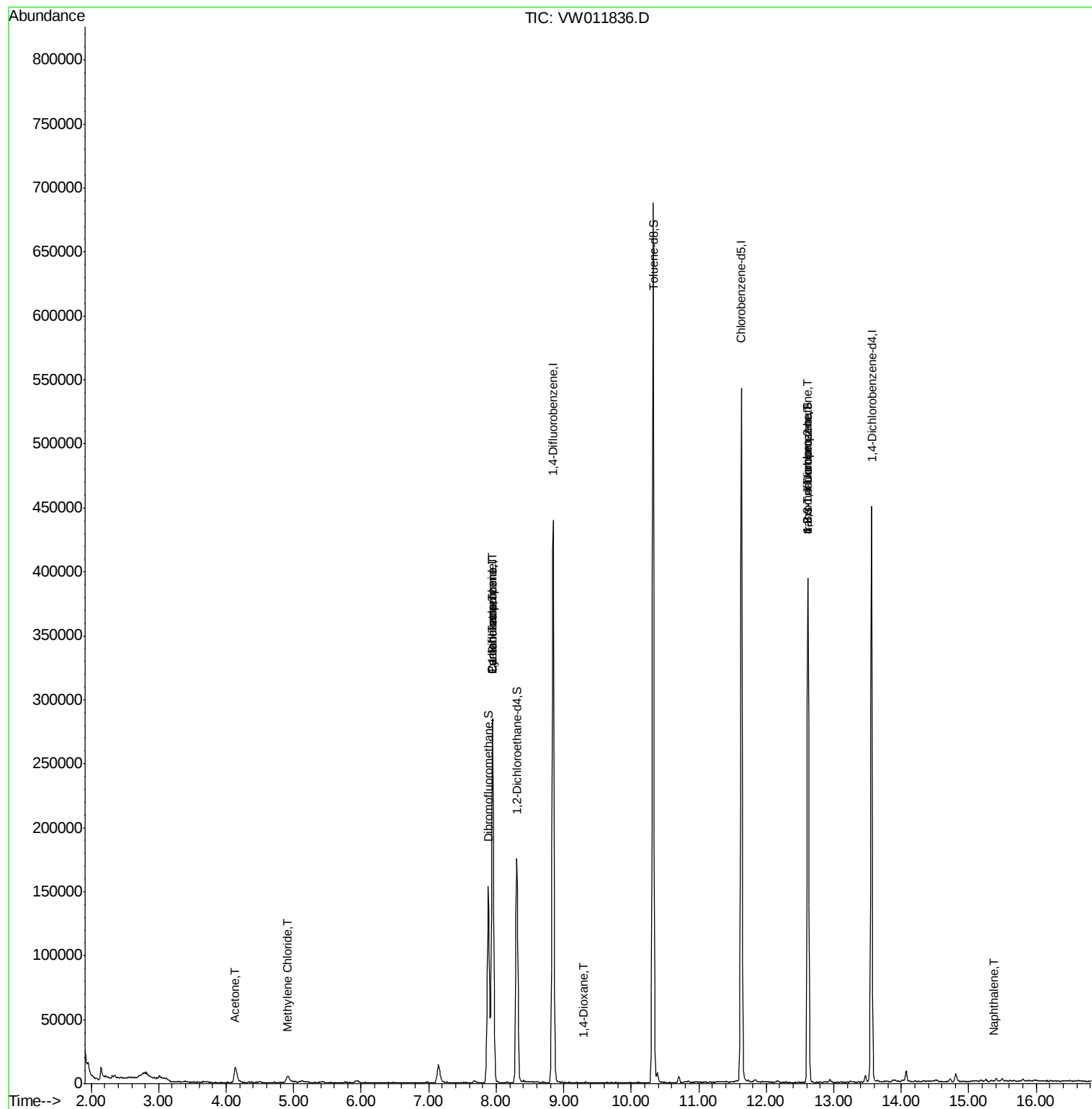
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	1642	Below Cal	#	72
16) Acetone	4.14	43	24312	32.517	ug/l	98
20) Methylene Chloride	4.91	84	3442	1.335	ug/l #	78
31) Cyclohexane	7.95	56	5428	1.235	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18867	5.313	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20872	6.865	ug/l #	16
49) 1,4-Dioxane	9.29	88	20	1.137	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	69607	58.803	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69607	135.520	ug/l #	6
95) Naphthalene	15.36	128	487	2.172	ug/l #	69

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011836.D

Acq: 10 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

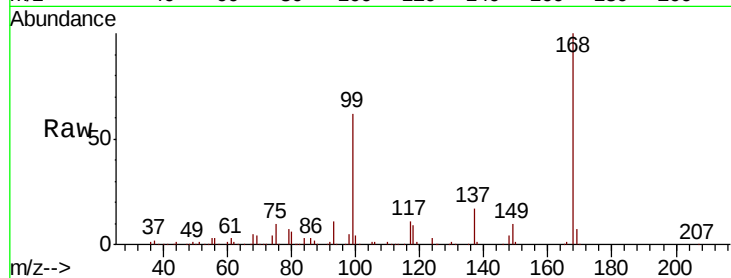
REACTOR-4-A4-(3.4)

Tgt Ion:168 Resp: 204694

Ion Ratio Lower Upper

168 100

99 62.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

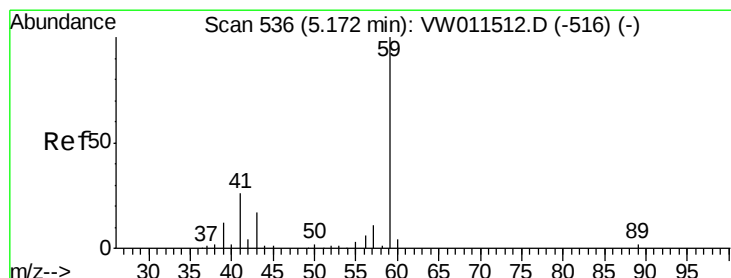
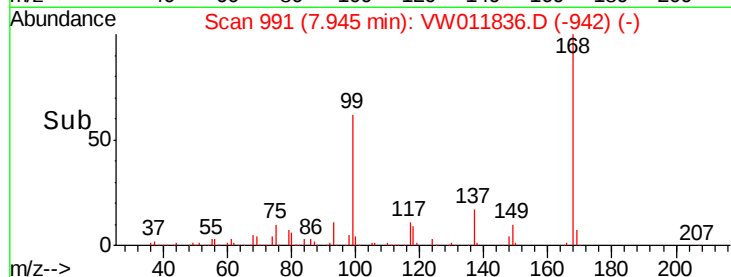
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW011836.D

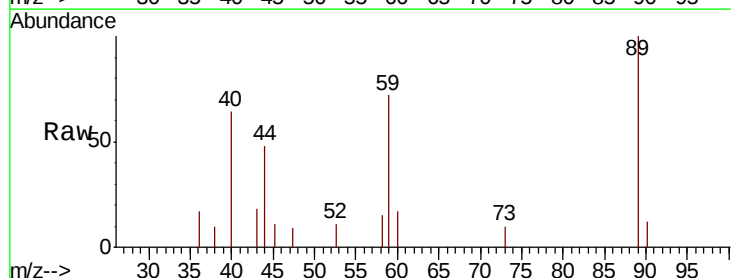
Acq: 10 Aug 2019 02:26

Tgt Ion: 59 Resp: 1642

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

400

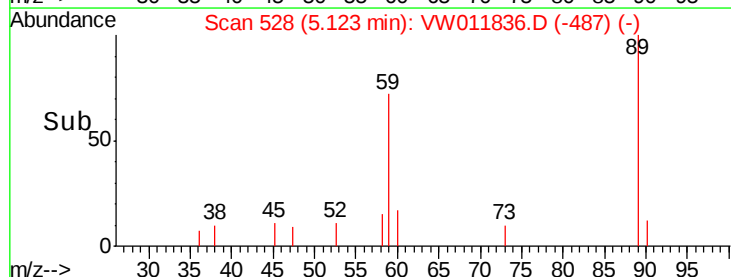
300

200

100

0

Time-->





#16

Acetone

Concen: 32.517 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011836.D

Acq: 10 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

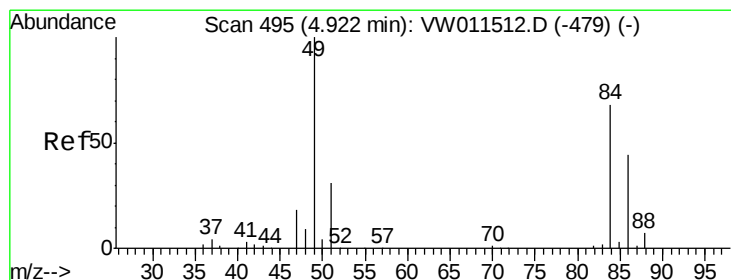
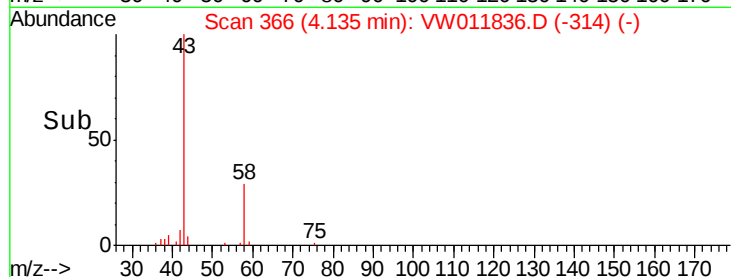
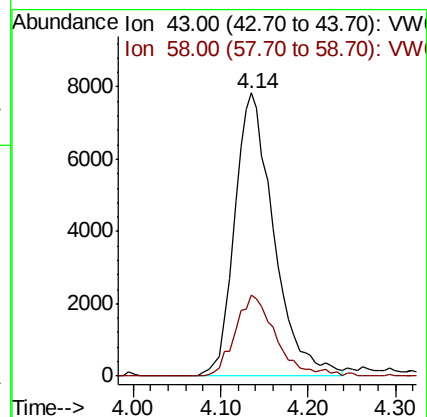
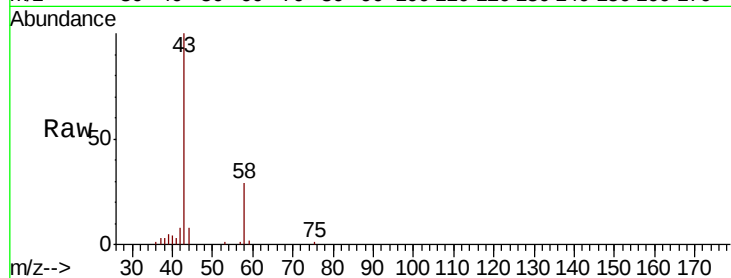
REACTOR-4-A4-(3.4)

Tgt Ion: 43 Resp: 24312

Ion Ratio Lower Upper

43 100

58 28.7 22.3 33.5



#20

Methylene Chloride

Concen: 1.335 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011836.D

Acq: 10 Aug 2019 02:26

Tgt Ion: 84 Resp: 3442

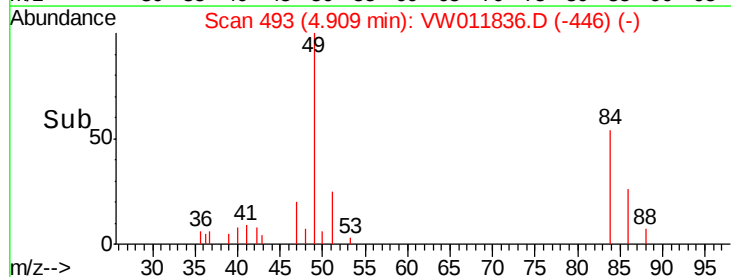
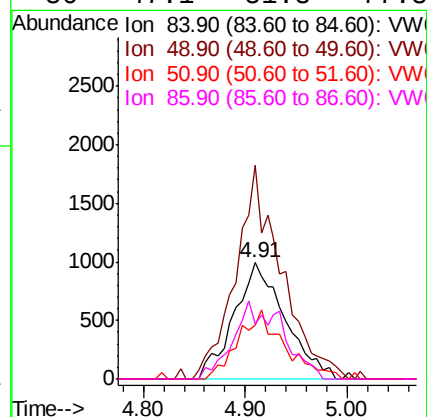
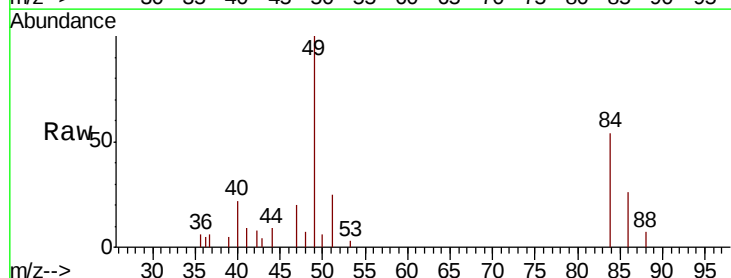
Ion Ratio Lower Upper

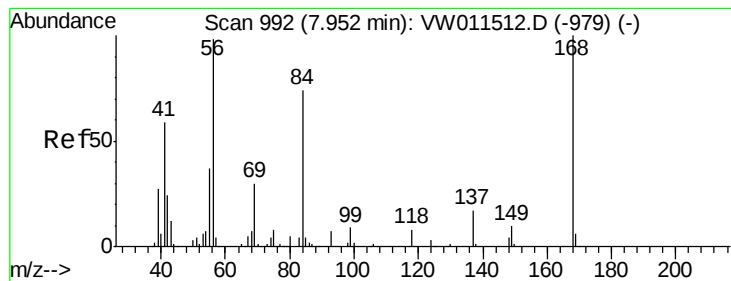
84 100

49 183.9 117.8 176.6#

51 46.6 37.0 55.4

86 47.1 51.8 77.8#





#31

Cyclohexane

Concen: 1.235 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011836.D

Acq: 10 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

REACTOR-4-A4-(3.4)

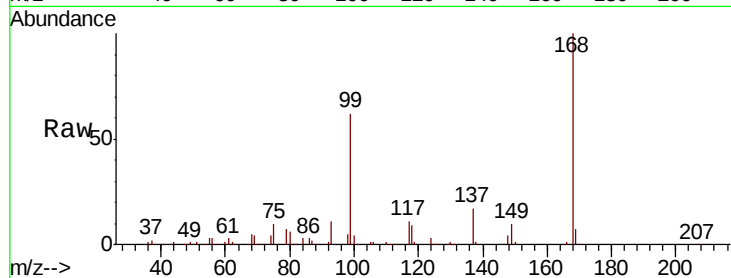
Tgt Ion: 56 Resp: 5428

Ion Ratio Lower Upper

56 100

69 157.3 24.3 36.5#

84 121.6 60.4 90.6#

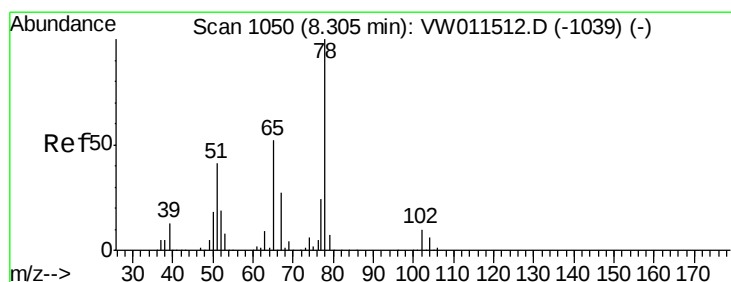
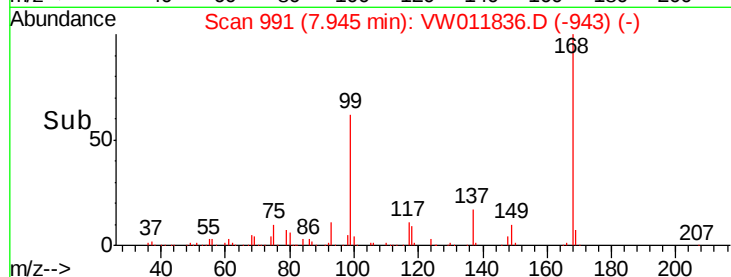
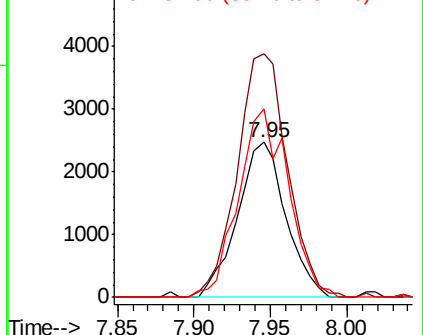


Abundance

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: 59.004 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011836.D

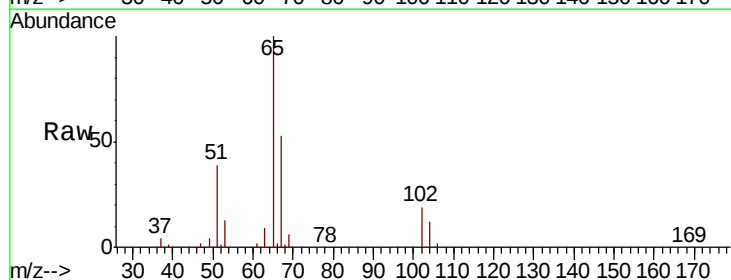
Acq: 10 Aug 2019 02:26

Tgt Ion: 65 Resp: 138686

Ion Ratio Lower Upper

65 100

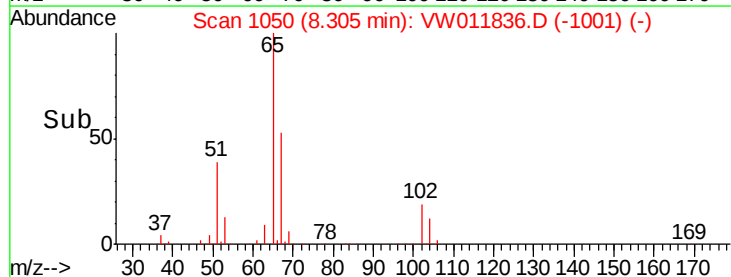
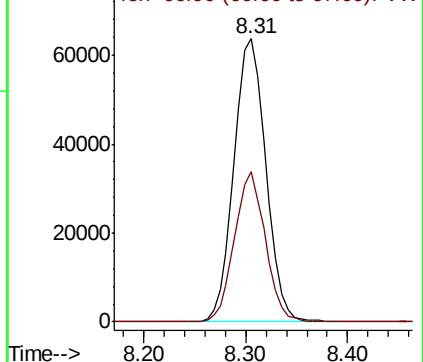
67 51.1 0.0 105.2

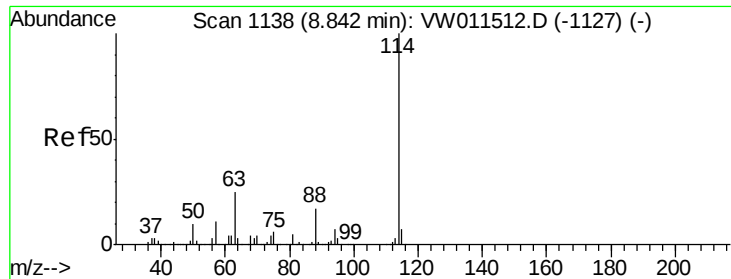


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

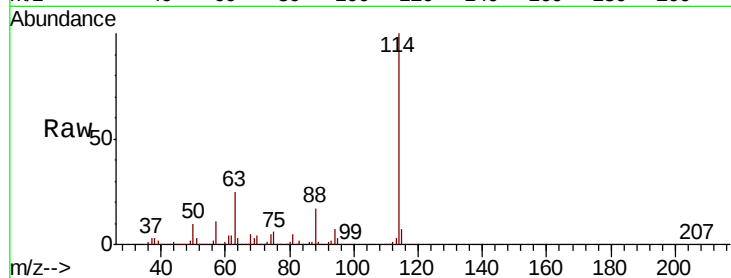




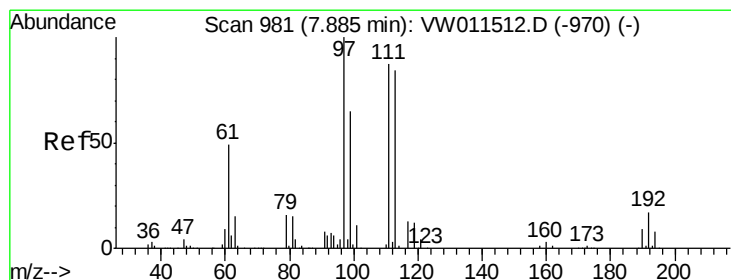
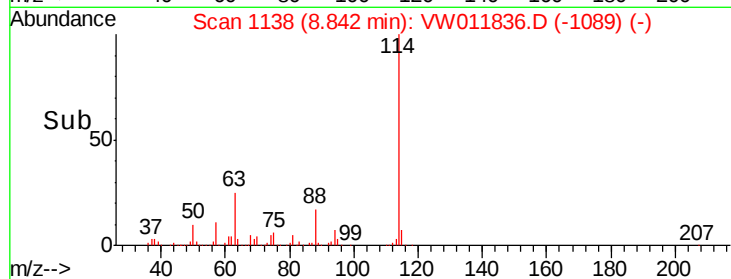
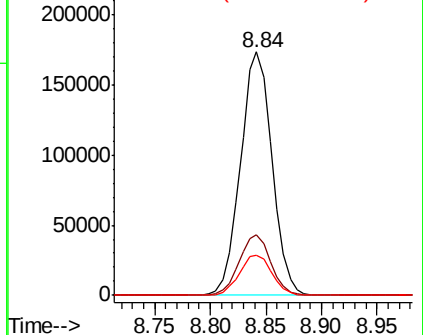
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011836.D
 Acq: 10 Aug 2019 02:26

Instrument :
 MSVOA_W
 ClientSampleId :
 REACTOR-4-A4-(3.4)

Tgt Ion:114 Resp: 341541
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 49.2
 88 16.6 0.0 33.8

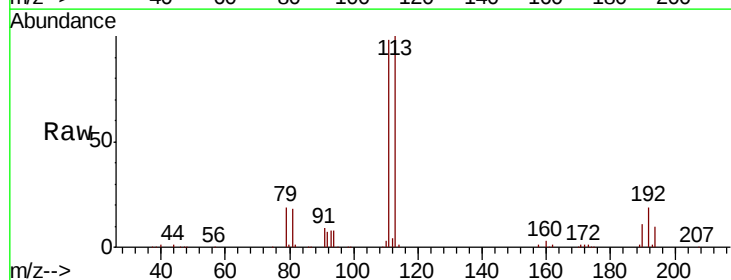


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

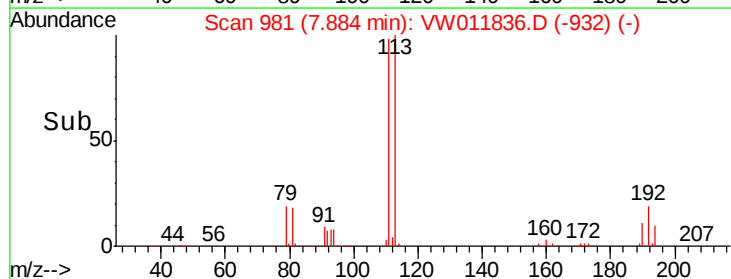
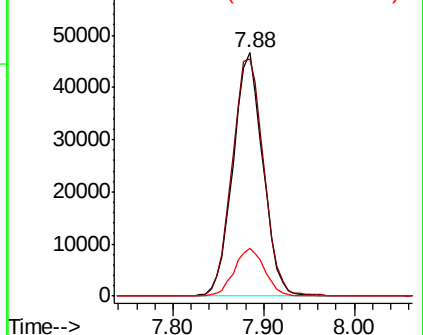


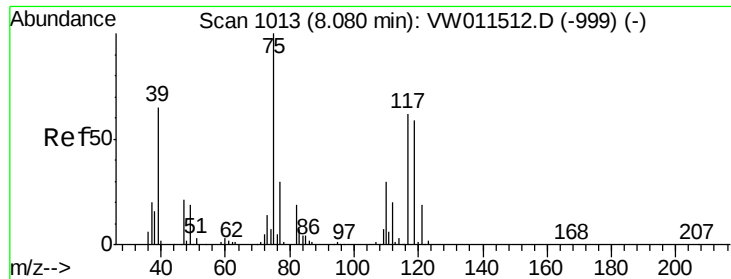
#35
 Dibromofluoromethane
 Concen: 55.579 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011836.D
 Acq: 10 Aug 2019 02:26

Tgt Ion:113 Resp: 106496
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.7 124.1
 192 19.9 16.1 24.1



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

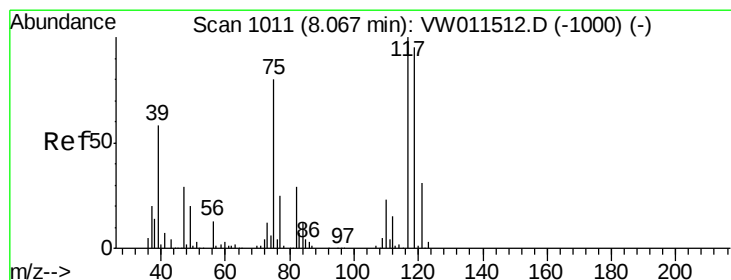
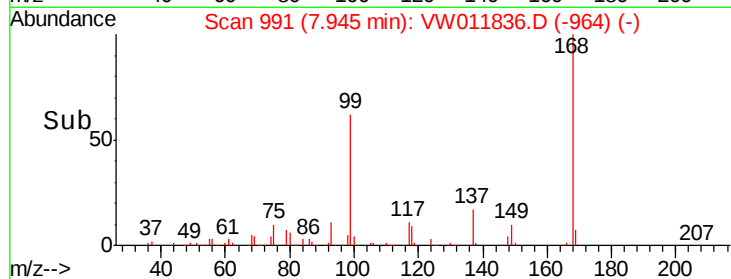
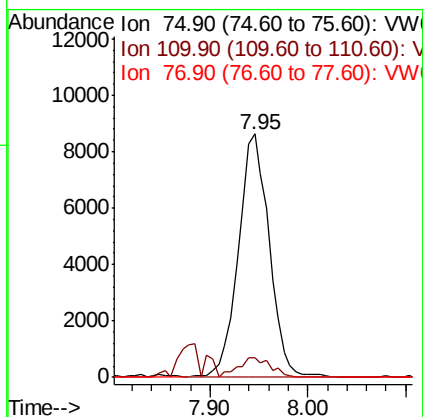
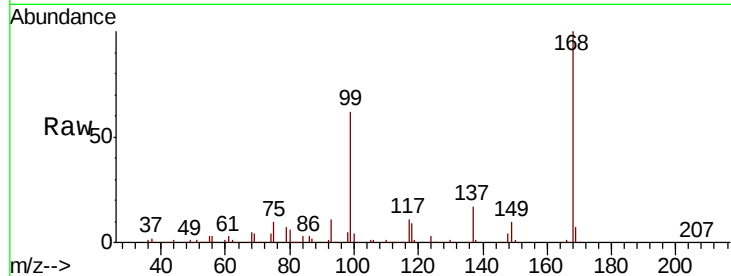




#36
 1,1-Dichloropropene
 Concen: 5.313 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011836.D
 Acq: 10 Aug 2019 02:26

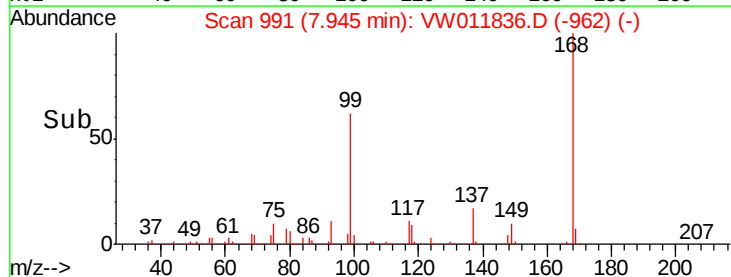
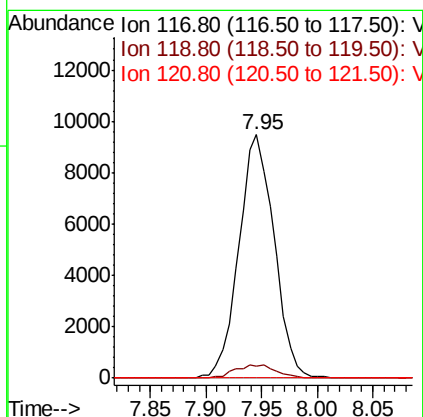
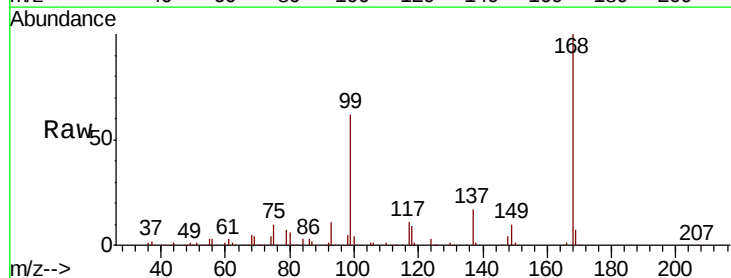
Instrument :
 MSVOA_W
 ClientSampleId :
 REACTOR-4-A4-(3.4)

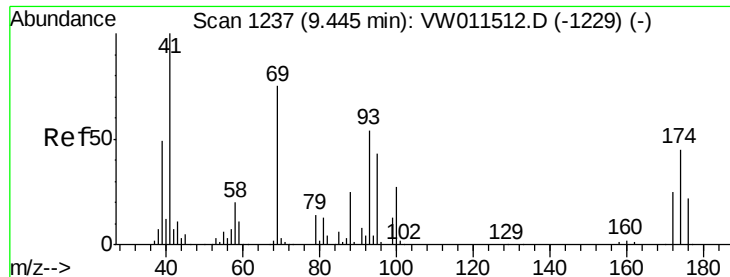
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.865 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011836.D
 Acq: 10 Aug 2019 02:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	75.8	113.6#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 1.137 ug/l

RT: 9.29 min Scan# 1212

Delta R.T. -0.15 min

Lab File: VW011836.D

Acq: 10 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

REACTOR-4-A4-(3.4)

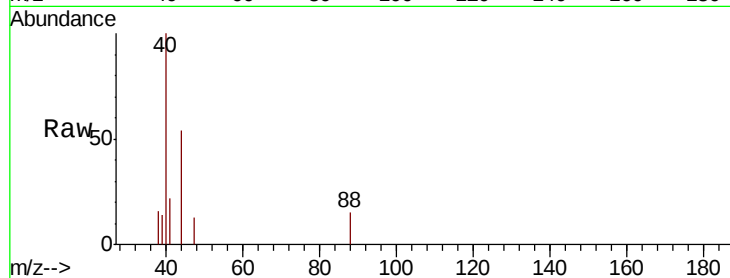
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 960.0 34.0 51.0#

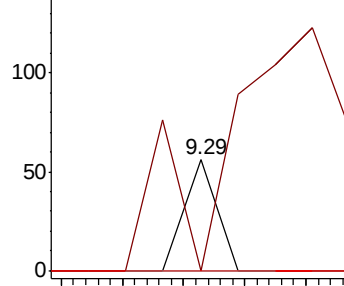
58 0.0 69.7 104.5#



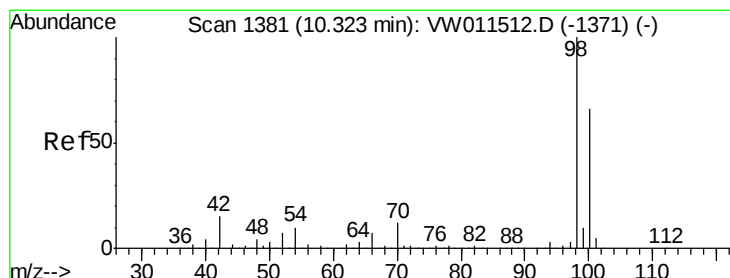
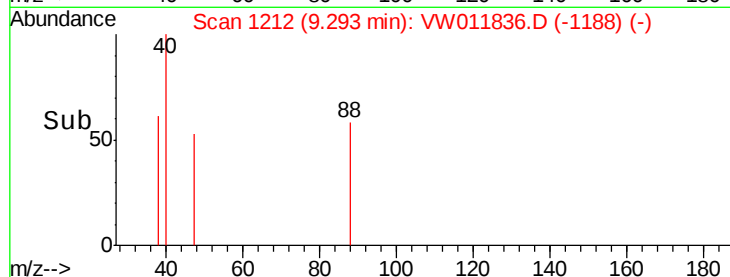
Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#50

Toluene-d8

Concen: 53.675 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011836.D

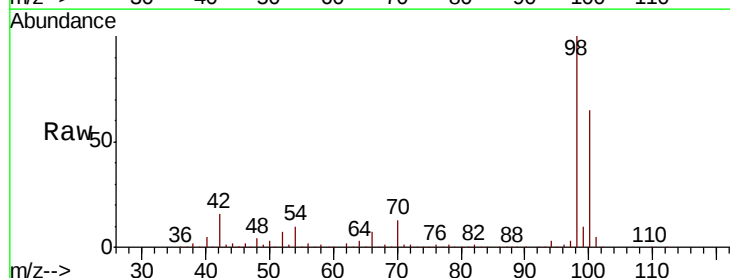
Acq: 10 Aug 2019 02:26

Tgt Ion: 98 Resp: 421087

Ion Ratio Lower Upper

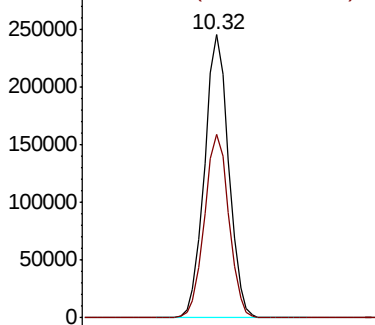
98 100

100 65.5 52.7 79.1

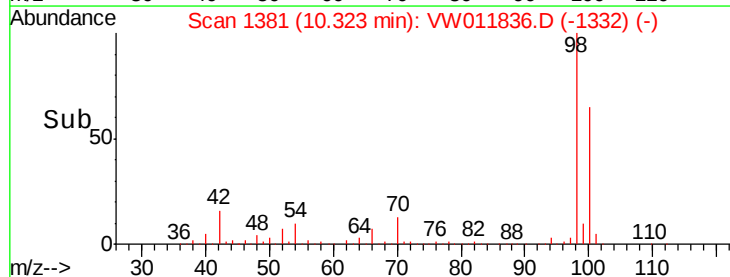


Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time-->





#62

4-Bromofluorobenzene

Concen: 46.951 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011836.D

Acq: 10 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

REACTOR-4-A4-(3.4)

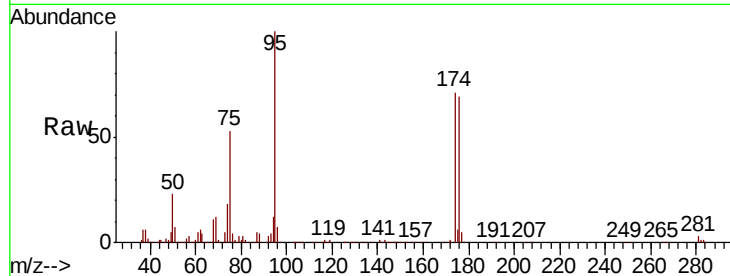
Tgt Ion: 95 Resp: 131319

Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.2

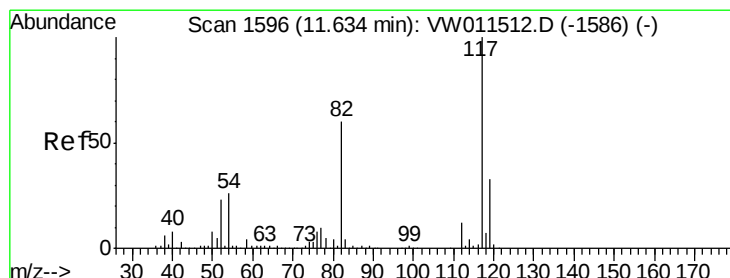
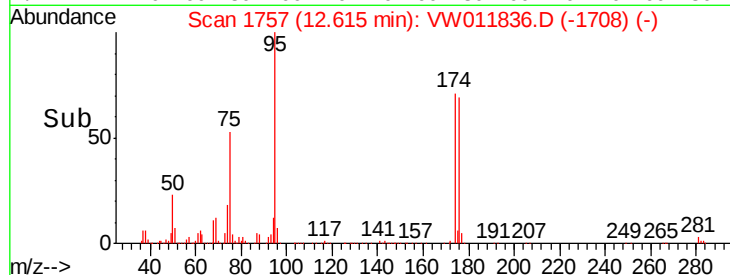
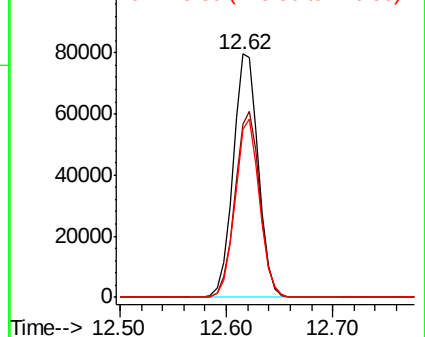
176 71.3 0.0 144.4



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: VW011836.D

Acq: 10 Aug 2019 02:26

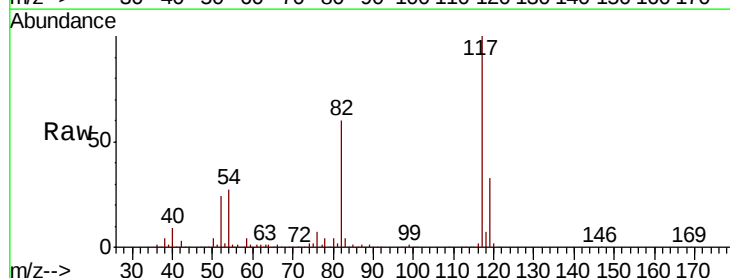
Tgt Ion: 117 Resp: 283052

Ion Ratio Lower Upper

117 100

82 59.8 47.9 71.9

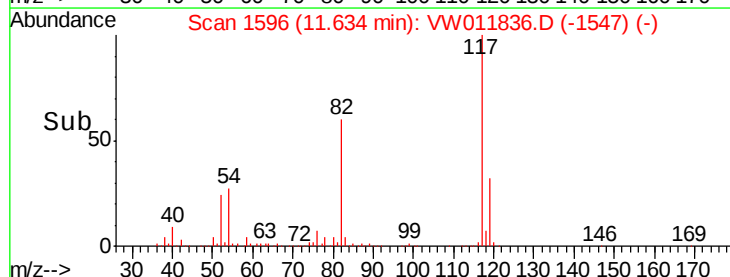
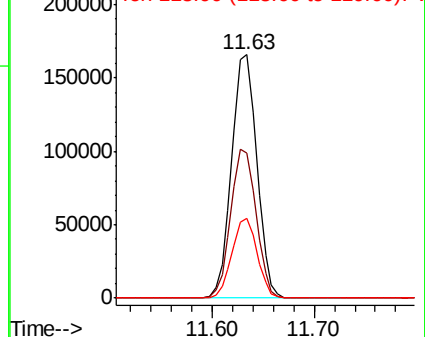
119 32.4 26.2 39.2

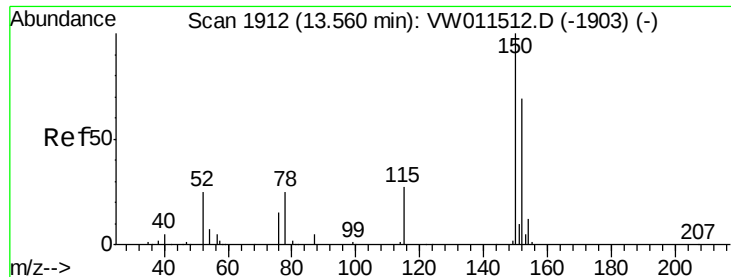


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011836.D

Acq: 10 Aug 2019 02:26

Instrument :

MSVOA_W

ClientSampleId :

REACTOR-4-A4-(3.4)

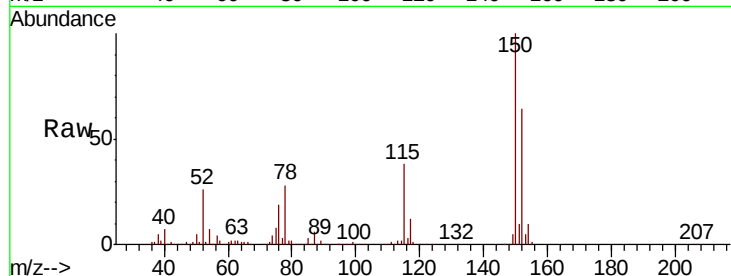
Tgt Ion:152 Resp: 111872

Ion Ratio Lower Upper

152 100

115 59.7 30.5 91.5

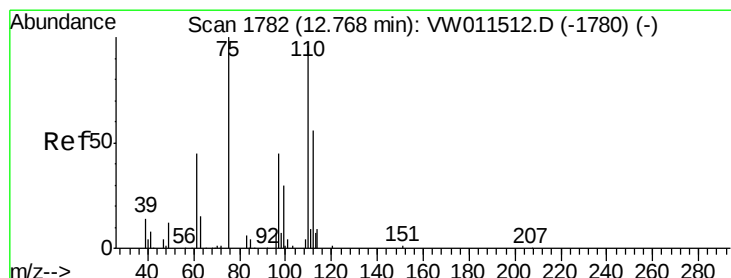
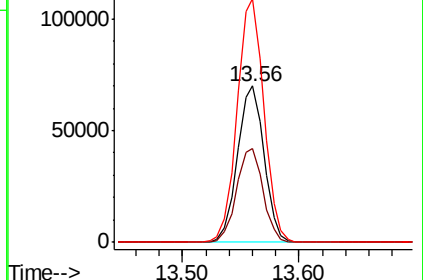
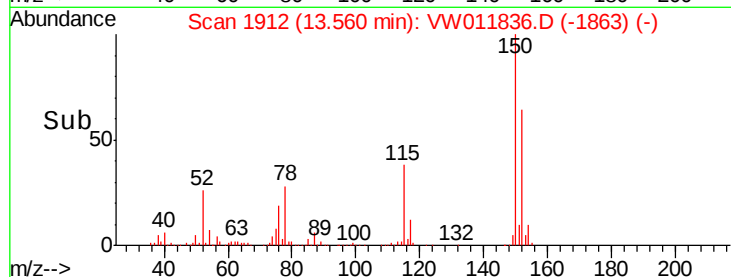
150 156.0 0.0 352.6



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: 58.803 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011836.D

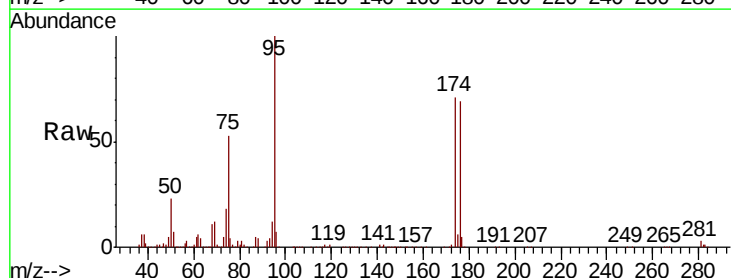
Acq: 10 Aug 2019 02:26

Tgt Ion: 75 Resp: 69607

Ion Ratio Lower Upper

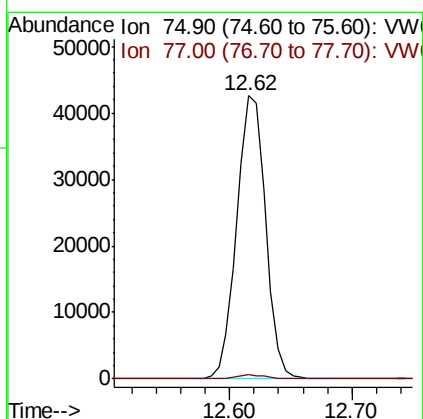
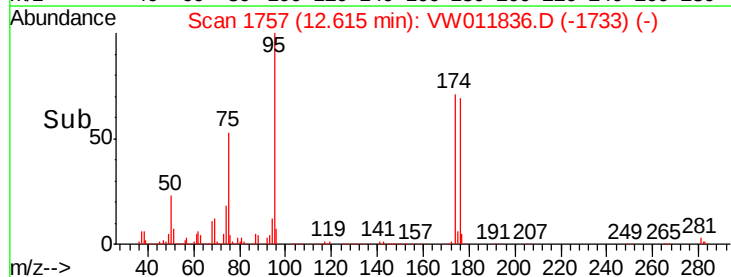
75 100

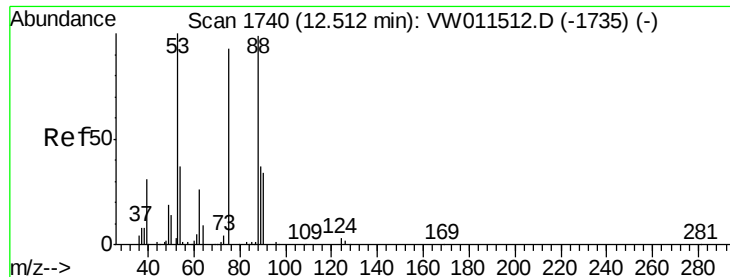
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

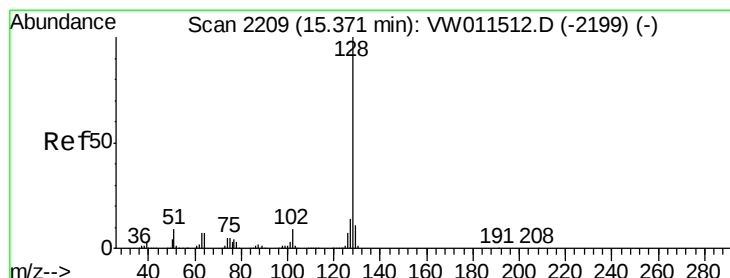
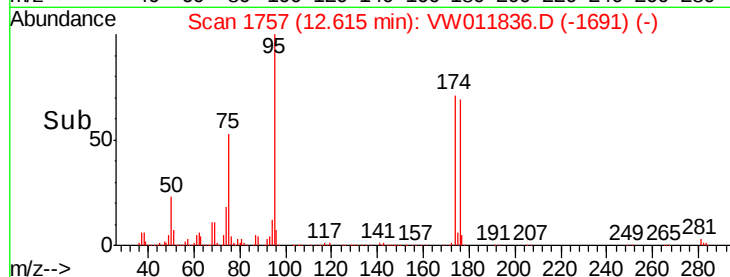
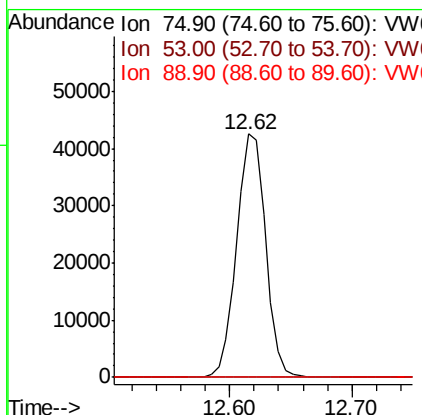
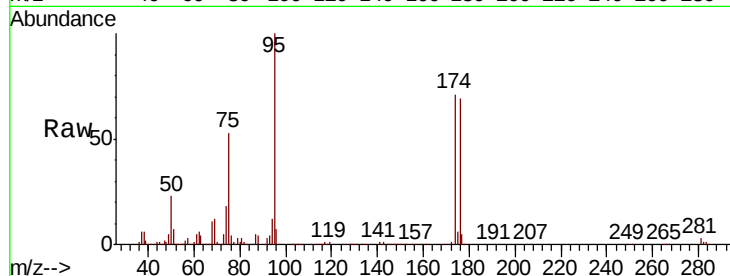




#81
trans-1,4-Dichloro-2-butene
Concen: 135.520 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW011836.D
Acq: 10 Aug 2019 02:26

Instrument :
MSVOA_W
ClientSampleId :
REACTOR-4-A4-(3.4)

Tgt Ion: 75 Resp: 69607
Ion Ratio Lower Upper
75 100
53 0.1 88.0 132.0#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 2.172 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011836.D
Acq: 10 Aug 2019 02:26

Tgt Ion: 128 Resp: 487
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

