

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012087.D
 Acq On : 21 Aug 2019 22:53
 Operator : SY/VA
 Sample : K4403-08
 Misc : 6.11G/5ML/MSVOA_W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-H3-(2.5)

Quant Time: Aug 22 05:19:57 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

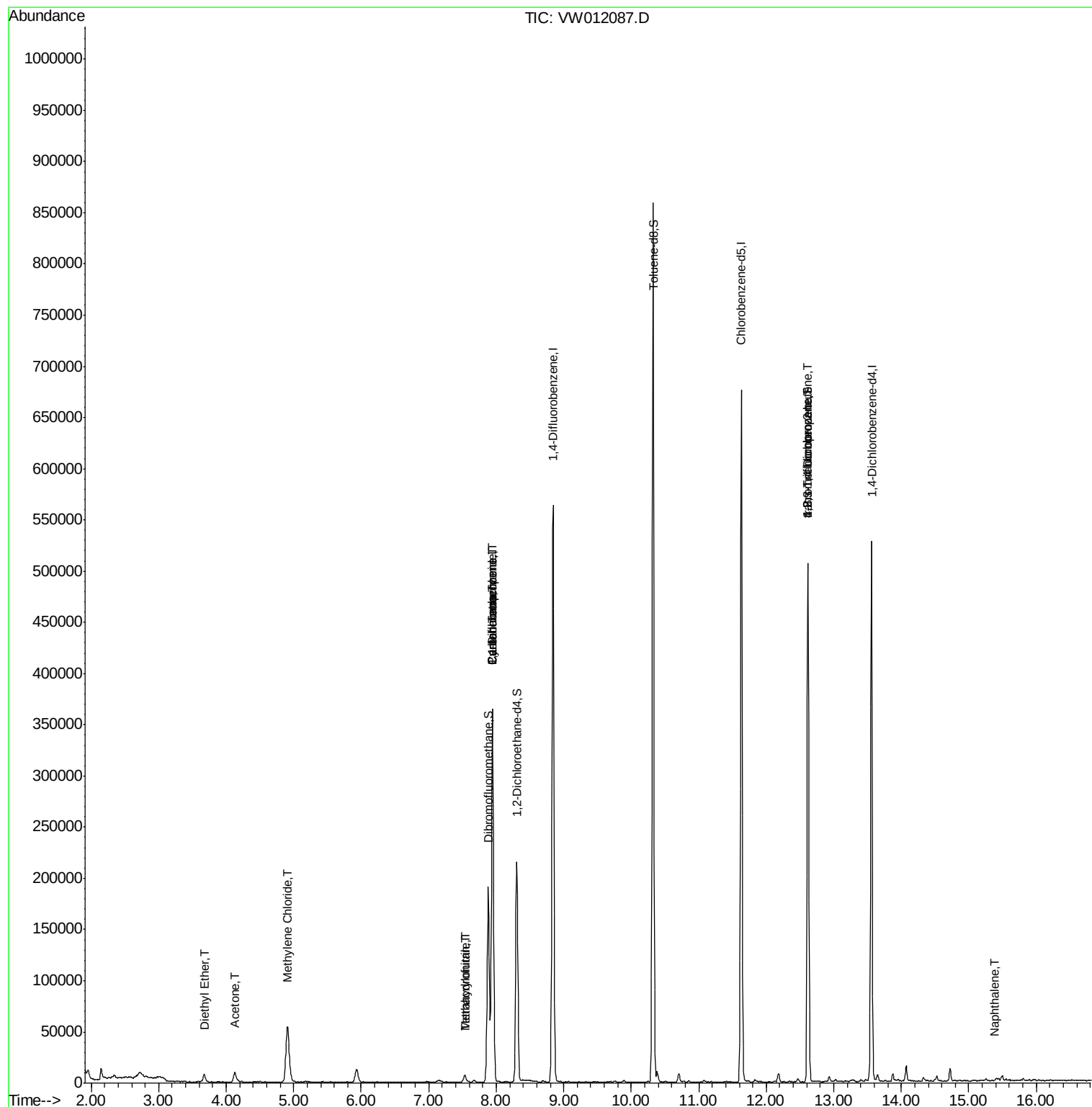
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	265092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	442874	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	362337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	132173	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	169534	55.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.38%	
35) Dibromofluoromethane	7.88	113	134343	54.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.14%	
50) Toluene-d8	10.32	98	540907	53.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.34%	
62) 4-Bromofluorobenzene	12.62	95	163224	45.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.02%	
Target Compounds						
8) Diethyl Ether	3.67	74	3593	2.299	ug/l	85
11) Tert butyl alcohol	5.17	59	674	Below Cal	#	87
16) Acetone	4.12	43	17860	18.445	ug/l	97
20) Methylene Chloride	4.91	84	40255	12.054	ug/l	97
29) Tetrahydrofuran	7.53	42	5856	8.086	ug/l #	81
31) Cyclohexane	7.95	56	6582	1.156	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22474	4.880	ug/l #	52
38) Carbon Tetrachloride	7.95	117	26873	6.817	ug/l #	17
41) Methacrylonitrile	7.54	41	3690	2.330	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	86571	61.901	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86571	142.660	ug/l #	6
95) Naphthalene	15.38	128	338	2.128	ug/l #	69

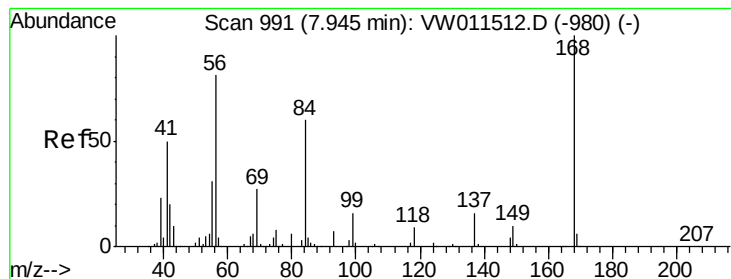
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
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QLast Update : Sat Jul 27 00:23:30 2019
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: VW012087.D

Acq: 21 Aug 2019 22:53

Instrument :

MSVOA_W

ClientSampleId :

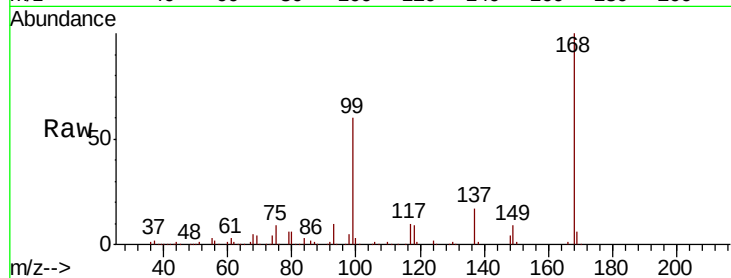
T1-H3-(2.5)

Tgt Ion:168 Resp: 265092

Ion Ratio Lower Upper

168 100

99 60.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

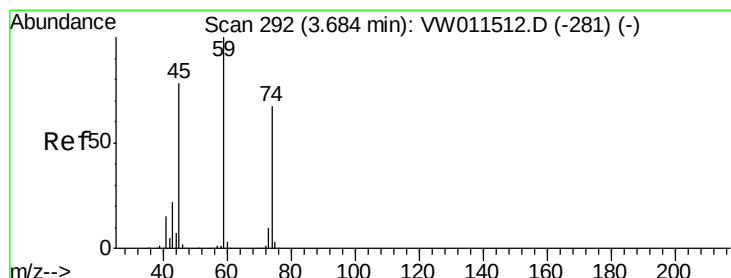
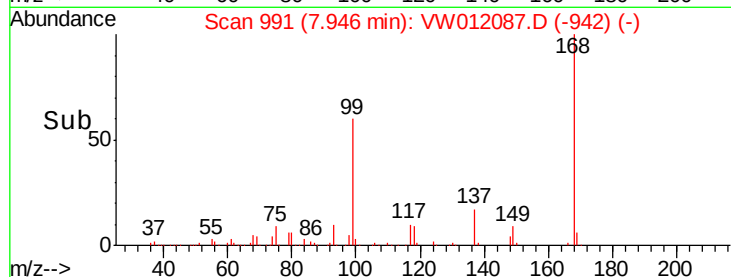
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 2.299 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012087.D

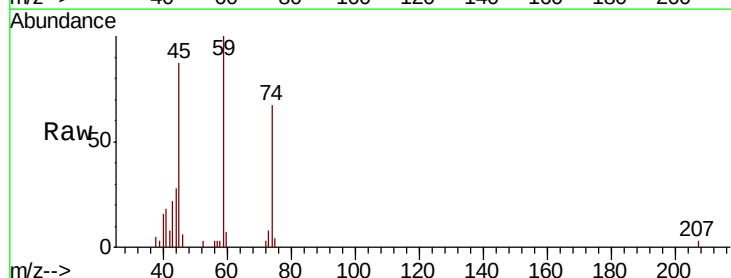
Acq: 21 Aug 2019 22:53

Tgt Ion: 74 Resp: 3593

Ion Ratio Lower Upper

74 100

45 135.7 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

2500

2000

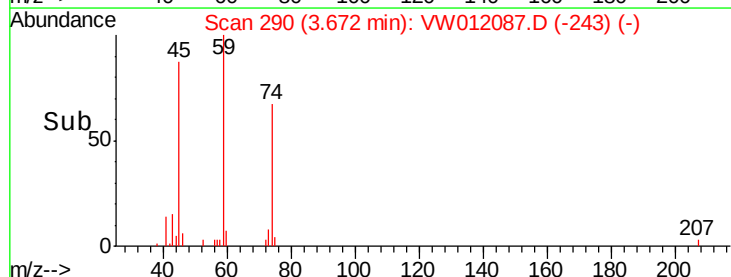
1500

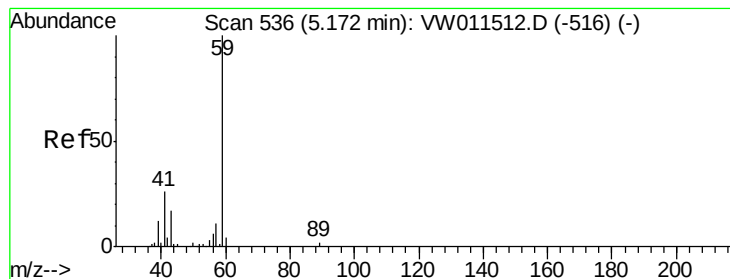
1000

500

0

Time--> 3.60 3.65 3.70 3.75



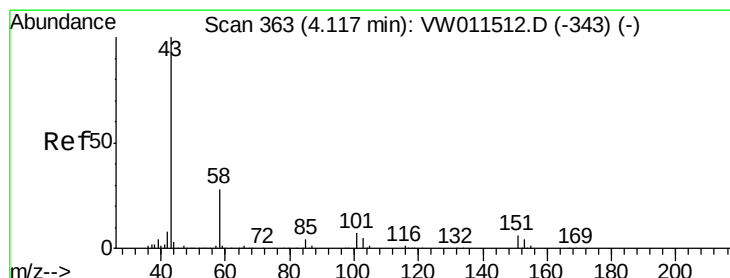
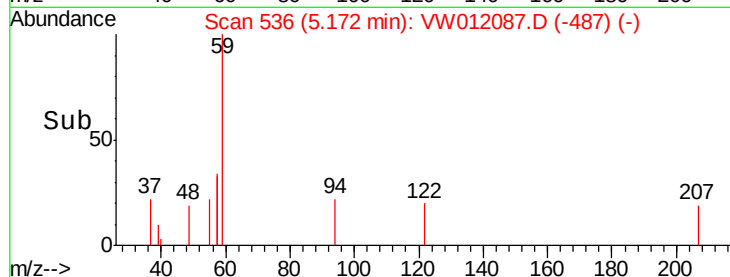
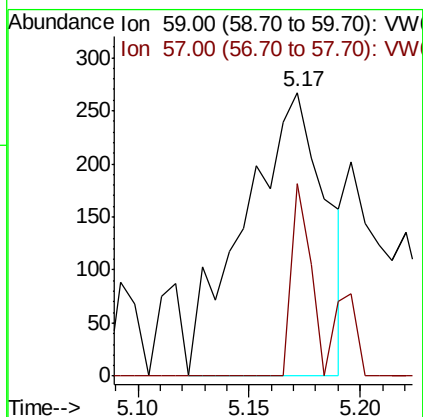
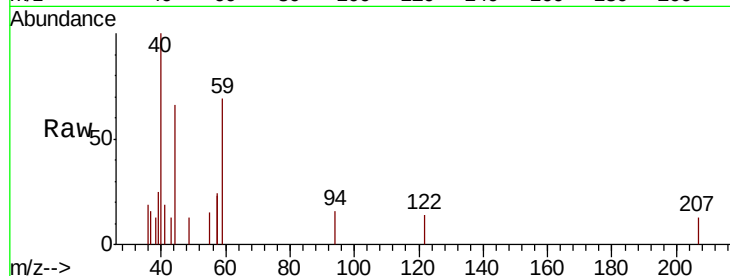


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW012087.D
 Acq: 21 Aug 2019 22:53

Instrument :
 MSVOA_W
 ClientSampled :
 T1-H3-(2.5)

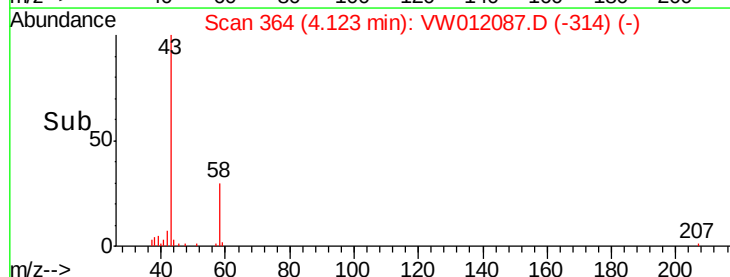
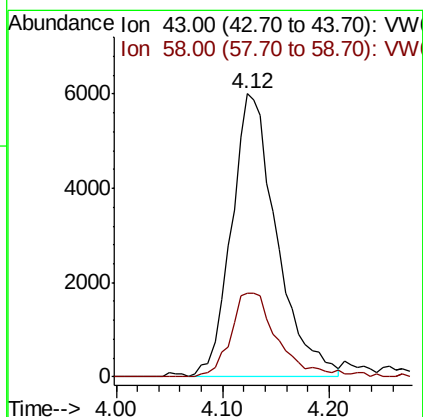
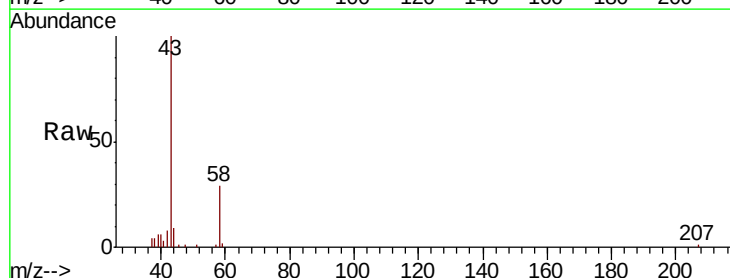
Tgt Ion: 59 Resp: 674
 Ion Ratio Lower Upper
 59 100
 57 15.6 8.5 12.7#

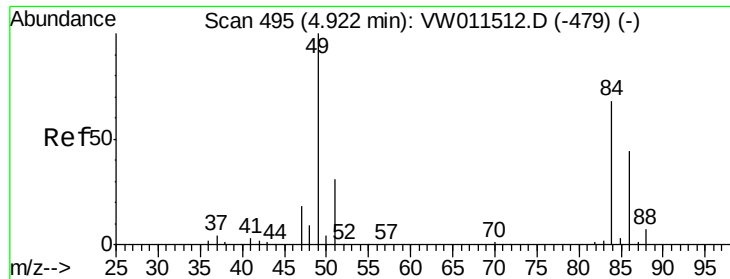


#16

Acetone
 Concen: 18.445 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW012087.D
 Acq: 21 Aug 2019 22:53

Tgt Ion: 43 Resp: 17860
 Ion Ratio Lower Upper
 43 100
 58 29.5 22.3 33.5

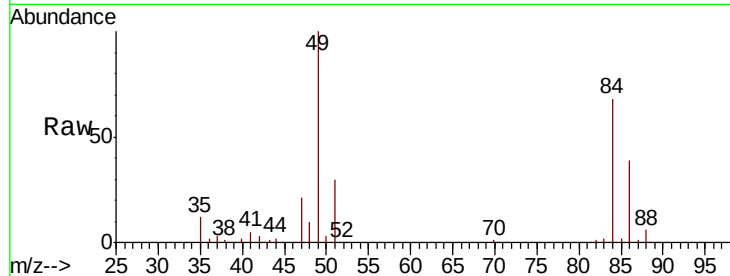




#20
Methylene Chloride
Concen: 12.054 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012087.D
Acq: 21 Aug 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
T1-H3-(2.5)

Tgt Ion:	84	Resp:	40255
Ion	Ratio	Lower	Upper
84	100		
49	146.5	117.8	176.6
51	43.9	37.0	55.4
86	57.4	51.8	77.8



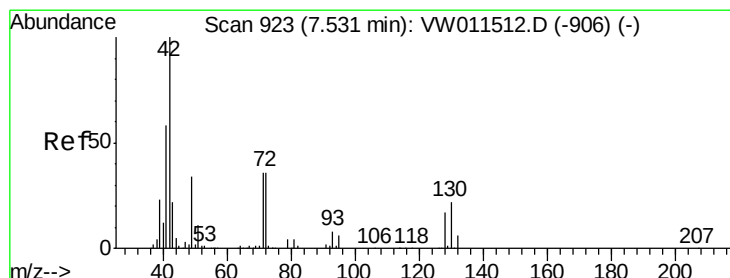
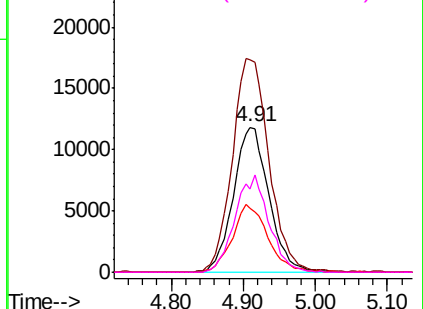
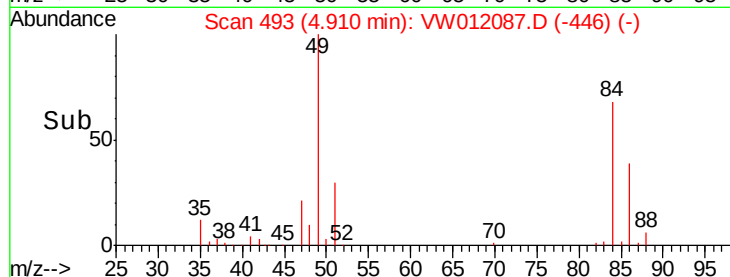
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

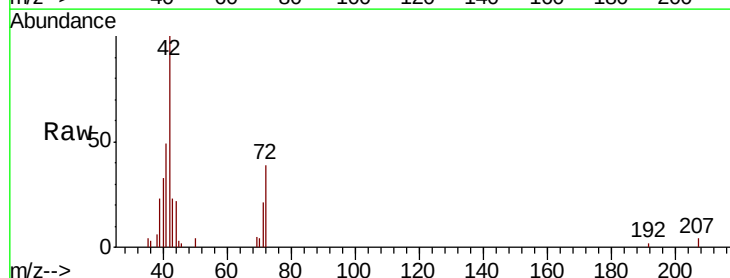
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#29
Tetrahydrofuran
Concen: 8.086 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW012087.D
Acq: 21 Aug 2019 22:53

Tgt Ion:	42	Resp:	5856
Ion	Ratio	Lower	Upper
42	100		
72	36.9	27.1	40.7
71	14.5	26.2	39.4#

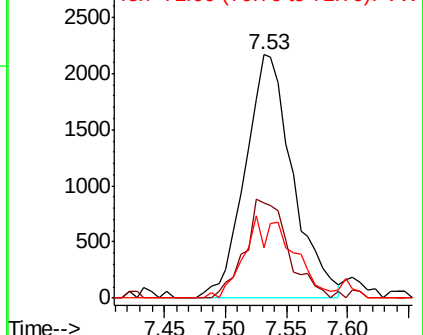
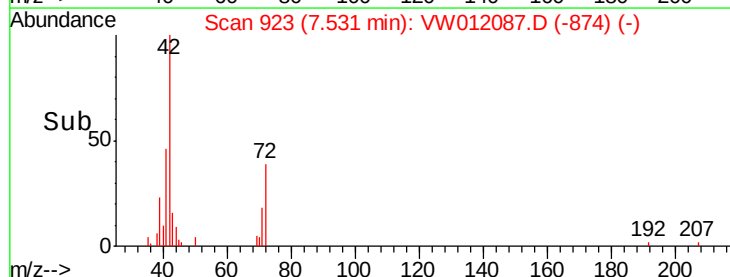


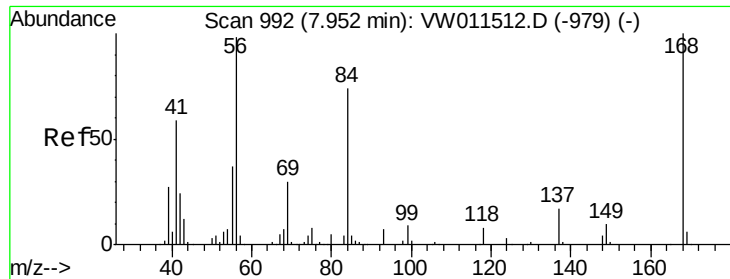
Abundance

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

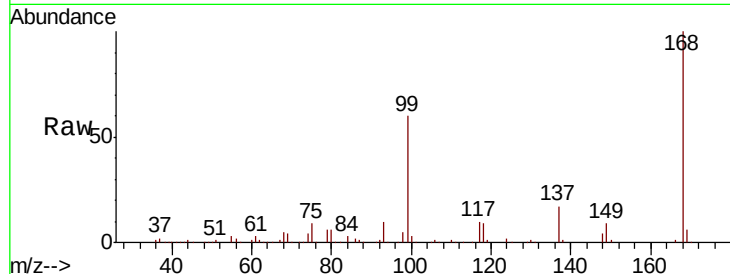




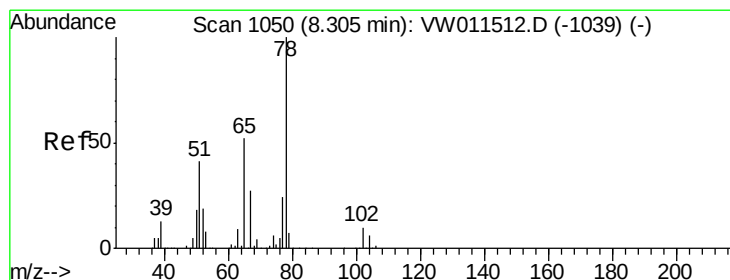
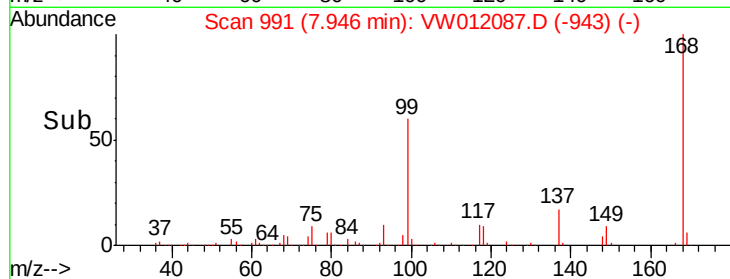
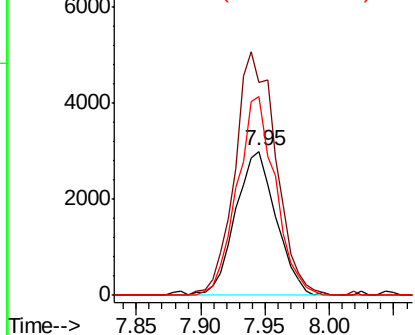
#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012087.D
Acq: 21 Aug 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
T1-H3-(2.5)

Tgt Ion: 56 Resp: 6582
Ion Ratio Lower Upper
56 100
69 147.9 24.3 36.5#
84 137.6 60.4 90.6#

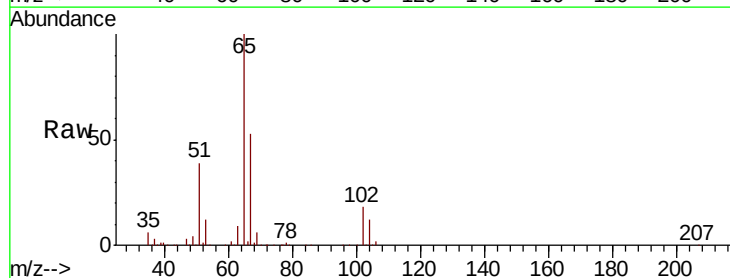


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

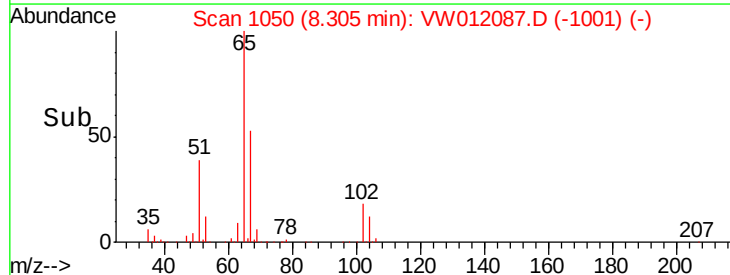
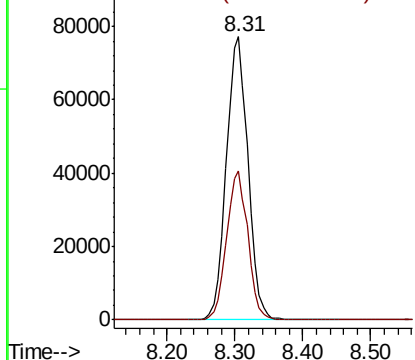


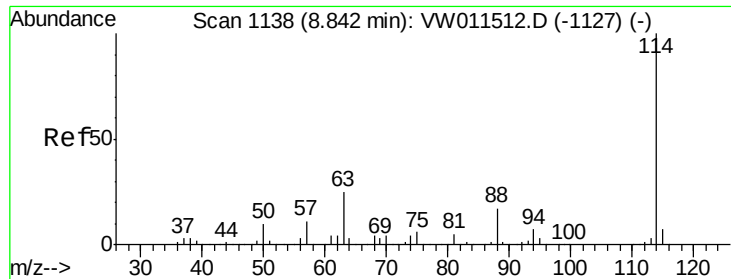
#33
1,2-Dichloroethane-d4
Concen: 55.695 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW012087.D
Acq: 21 Aug 2019 22:53

Tgt Ion: 65 Resp: 169534
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.2



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

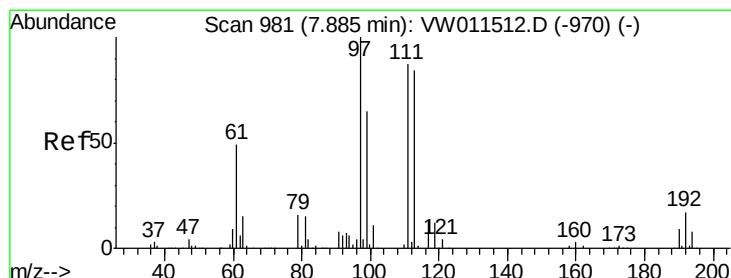
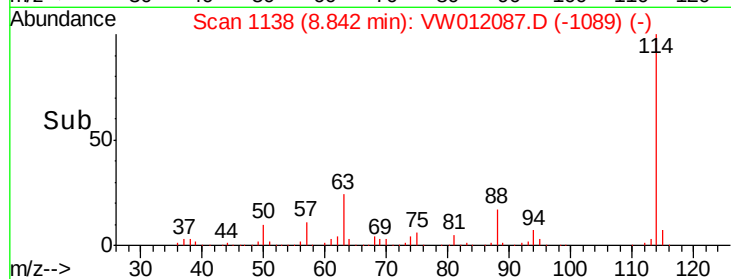
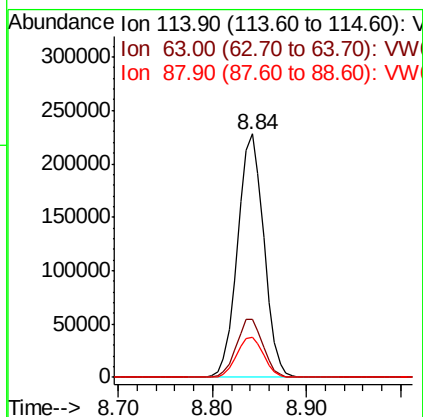
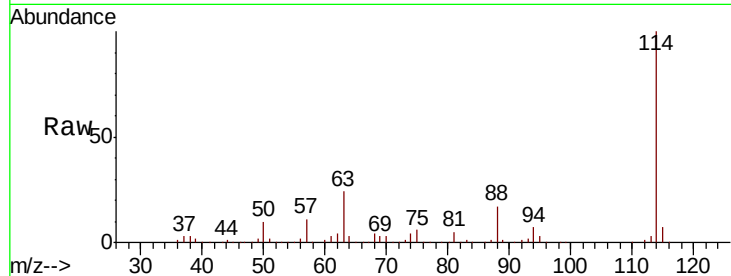




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012087.D
 Acq: 21 Aug 2019 22:53

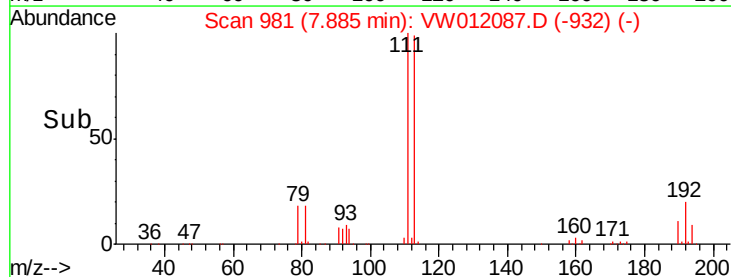
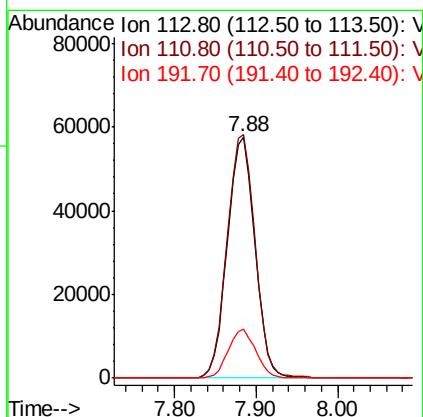
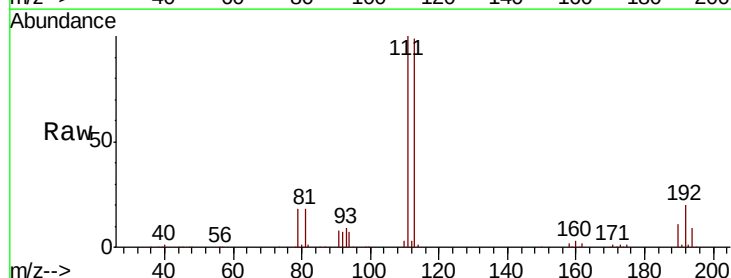
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-H3-(2.5)

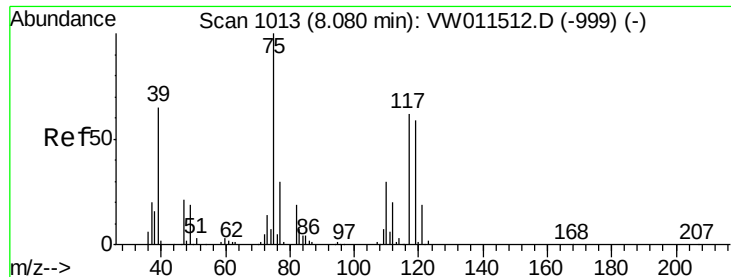
Tgt Ion:114 Resp: 442874
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 49.2
 88 16.7 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 54.070 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012087.D
 Acq: 21 Aug 2019 22:53

Tgt Ion:113 Resp: 134343
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.7 124.1
 192 20.0 16.1 24.1

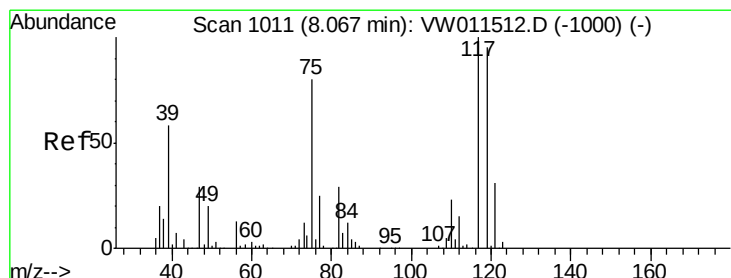
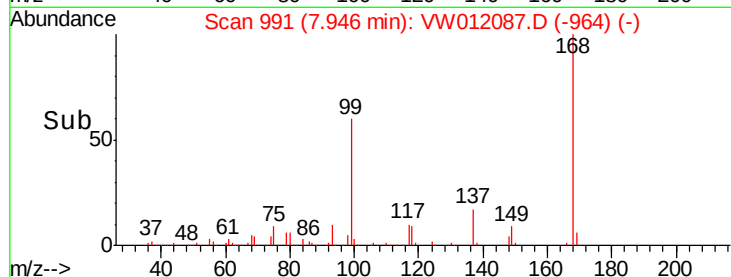
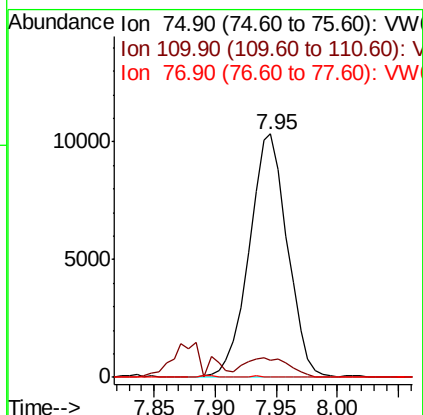
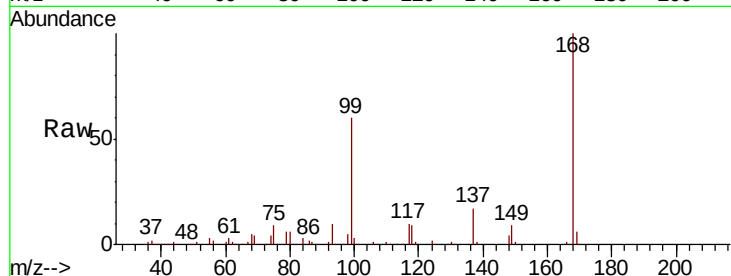




#36
 1,1-Dichloropropene
 Concen: 4.880 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012087.D
 Acq: 21 Aug 2019 22:53

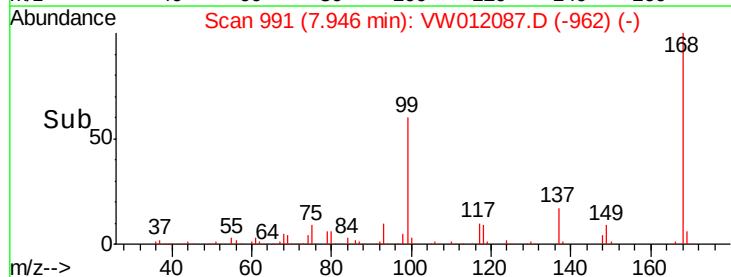
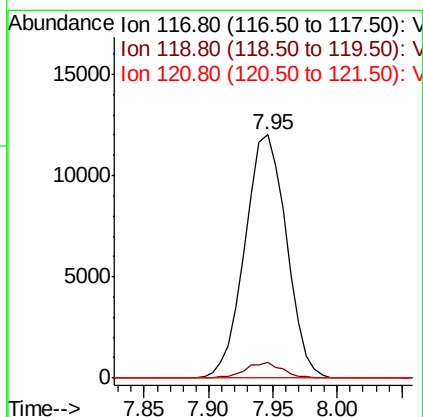
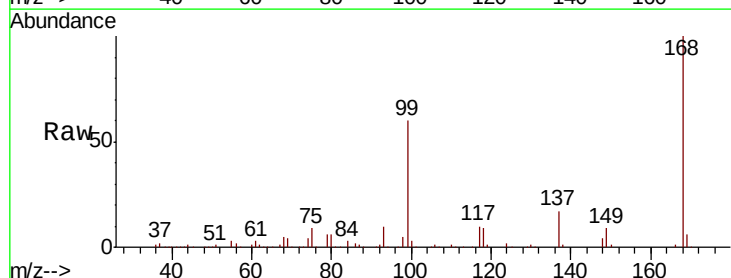
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 T1-H3-(2.5)

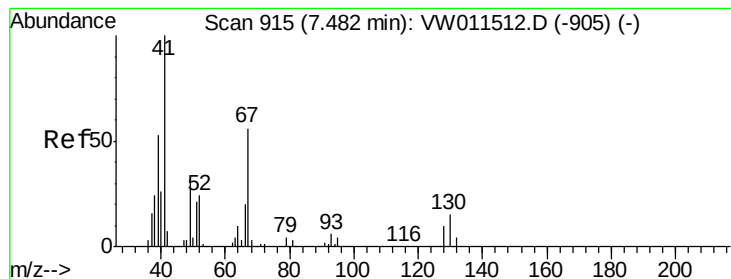
Tgt Ion: 75 Resp: 22474
 Ion Ratio Lower Upper
 75 100
 110 9.1 15.6 46.8#
 77 0.1 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.817 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012087.D
 Acq: 21 Aug 2019 22:53

Tgt Ion: 117 Resp: 26873
 Ion Ratio Lower Upper
 117 100
 119 6.4 75.8 113.6#
 121 0.0 24.7 37.1#





#41

Methacrylonitrile

Concen: 2.330 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012087.D

Acq: 21 Aug 2019 22:53

Instrument :

MSVOA_W

ClientSampleId :

T1-H3-(2.5)

Tgt Ion: 41 Resp: 3690

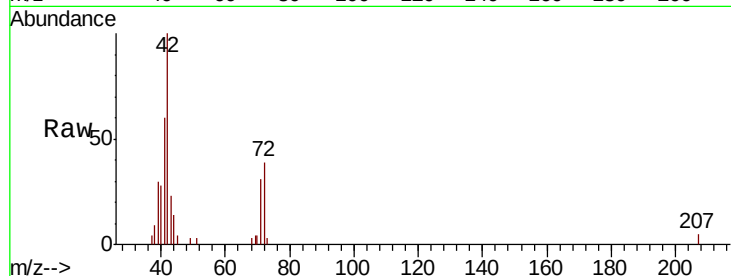
Ion Ratio Lower Upper

41 100

39 50.4 43.0 64.4

67 0.0 47.5 71.3#

52 0.0 21.0 31.6#

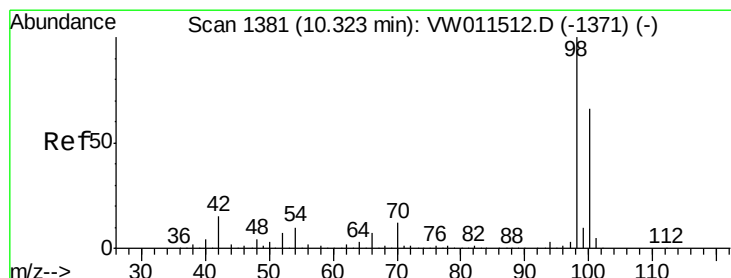
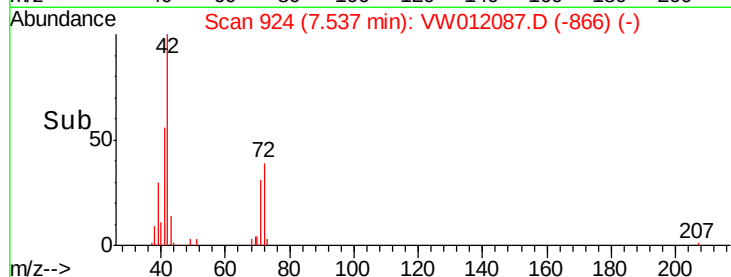
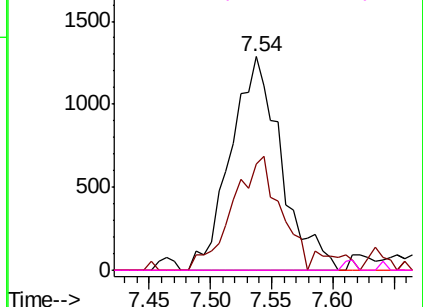


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 53.172 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012087.D

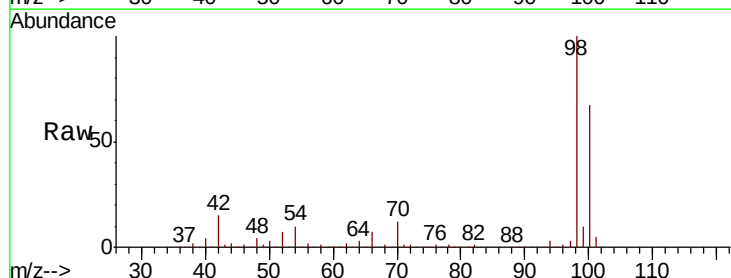
Acq: 21 Aug 2019 22:53

Tgt Ion: 98 Resp: 540907

Ion Ratio Lower Upper

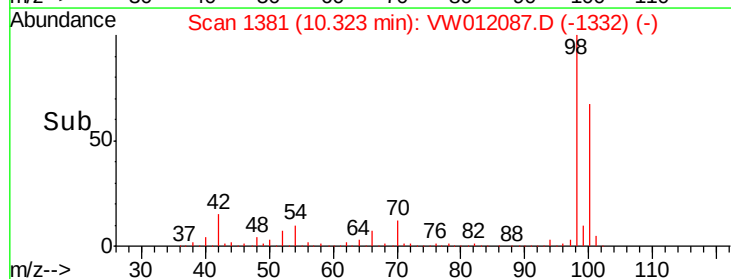
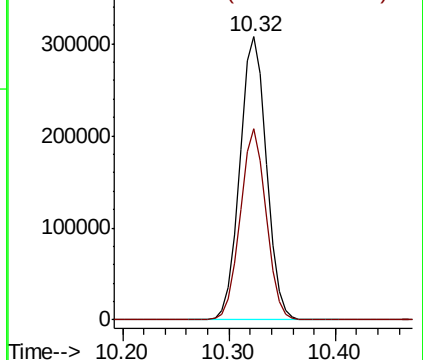
98 100

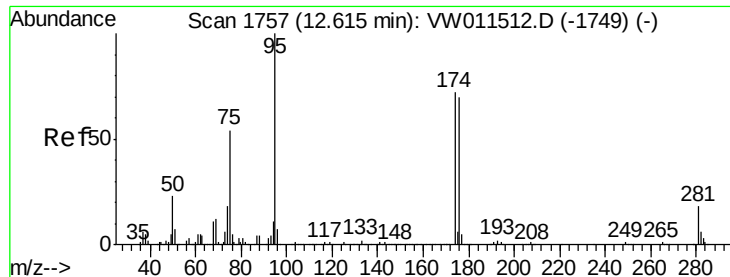
100 65.6 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

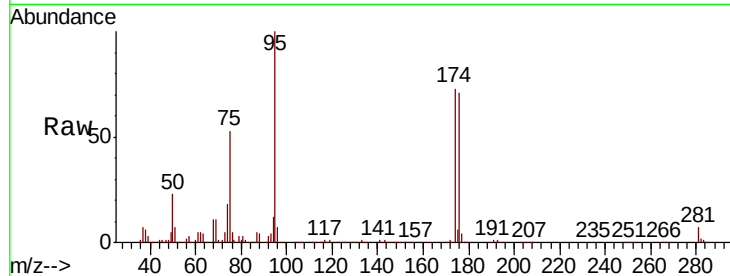




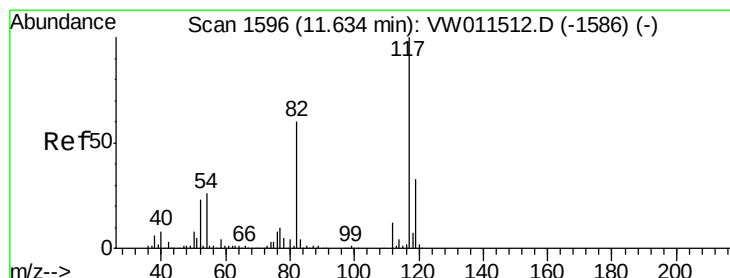
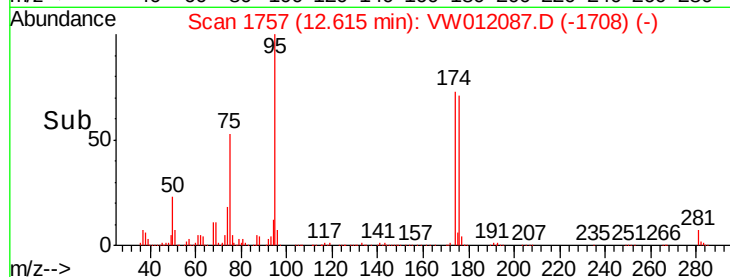
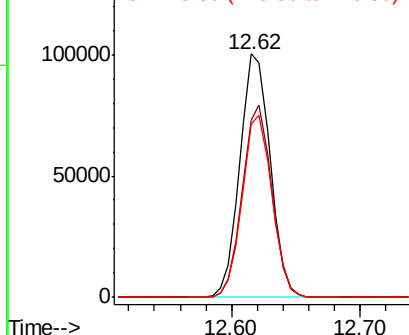
#62
4-Bromofluorobenzene
Concen: 45.005 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012087.D
Acq: 21 Aug 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
T1-H3-(2.5)

Tgt Ion: 95 Resp: 163224
Ion Ratio Lower Upper
95 100
174 76.3 0.0 150.2
176 73.6 0.0 144.4

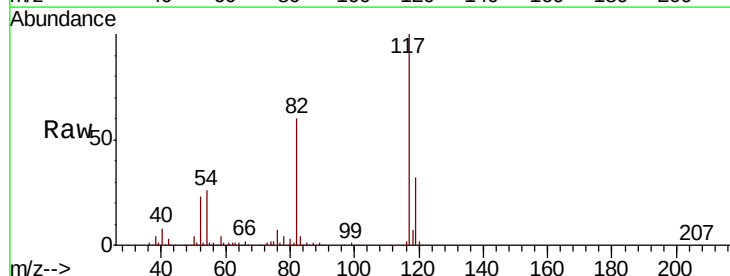


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

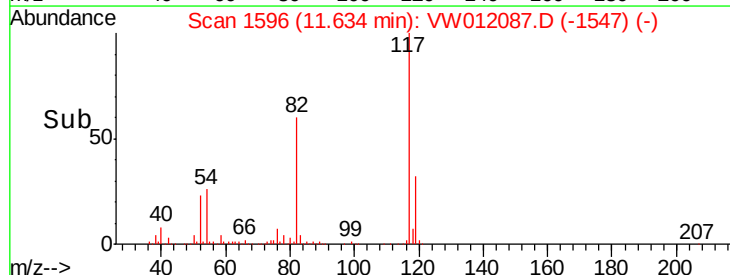
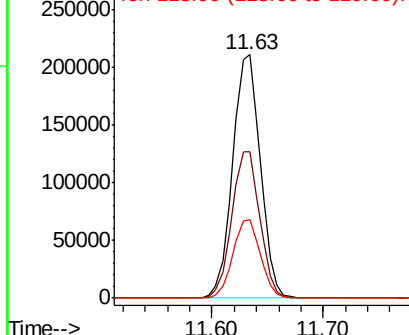


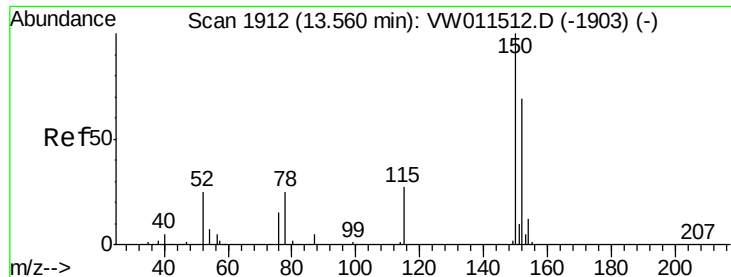
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012087.D
Acq: 21 Aug 2019 22:53

Tgt Ion: 117 Resp: 362337
Ion Ratio Lower Upper
117 100
82 60.0 47.9 71.9
119 32.3 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: VW012087.D

Acq: 21 Aug 2019 22:53

Instrument :

MSVOA_W

ClientSampleId :

T1-H3-(2.5)

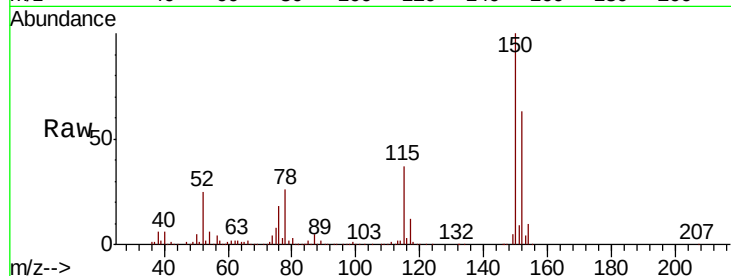
Tgt Ion:152 Resp: 132173

Ion Ratio Lower Upper

152 100

115 60.3 30.5 91.5

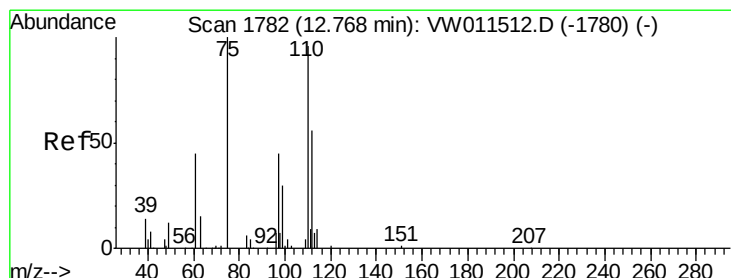
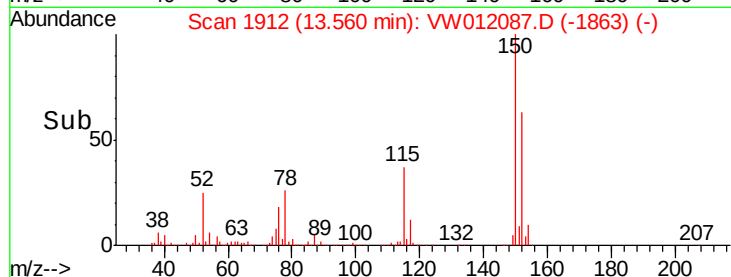
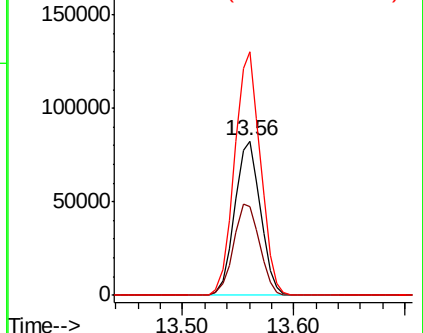
150 157.8 0.0 352.6



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: 61.901 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012087.D

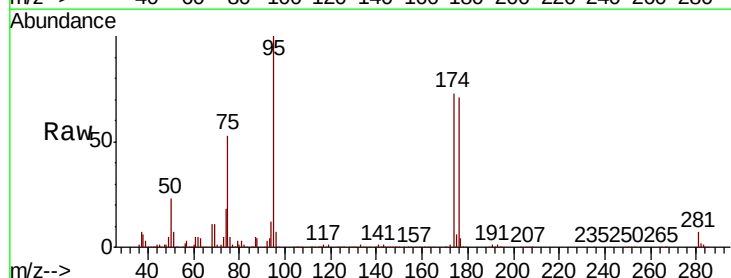
Acq: 21 Aug 2019 22:53

Tgt Ion: 75 Resp: 86571

Ion Ratio Lower Upper

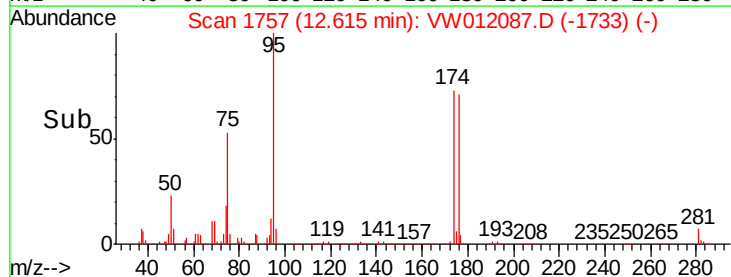
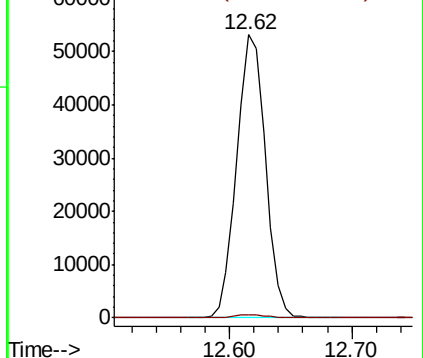
75 100

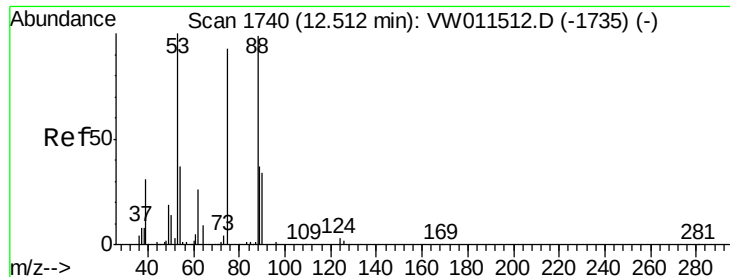
77 1.3 0.0 0.0#



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: 142.660 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012087.D

Acq: 21 Aug 2019 22:53

Instrument :

MSVOA_W

ClientSampleId :

T1-H3-(2.5)

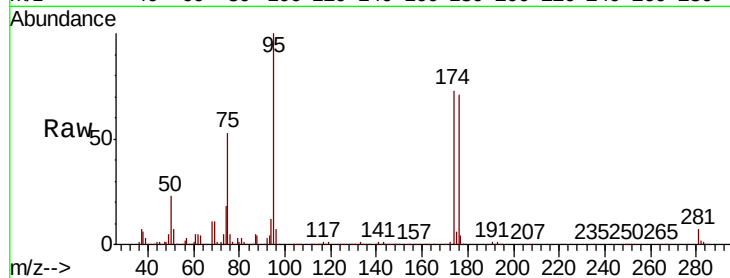
Tgt Ion: 75 Resp: 86571

Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

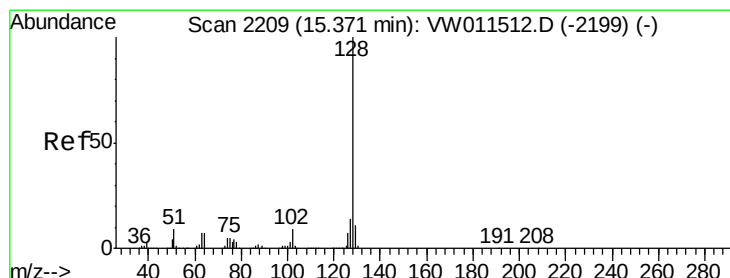
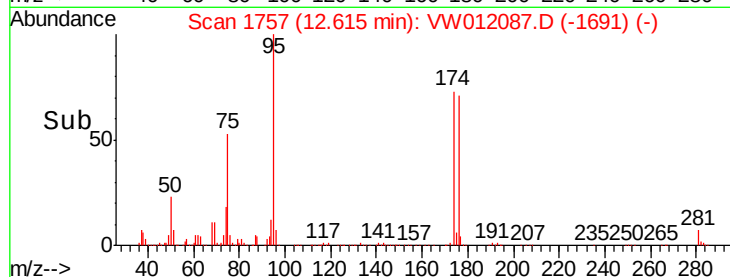
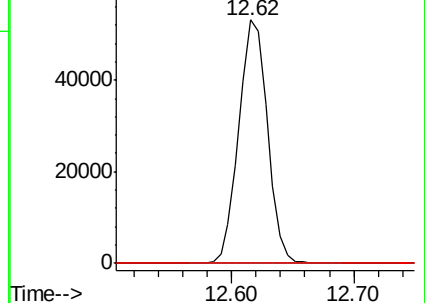
89 0.1 35.3 52.9#



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



#95

Naphthalene

Concen: 2.128 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012087.D

Acq: 21 Aug 2019 22:53

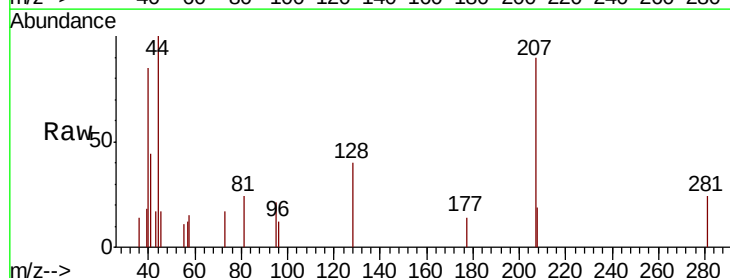
Tgt Ion: 128 Resp: 338

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#



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

