

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081019\
 Data File : VW011794.D
 Acq On : 09 Aug 2019 03:14
 Operator : SY/VA
 Sample : K4228-14
 Misc : 4.72G/5ML/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-12-(0)

Quant Time: Aug 09 05:39:42 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

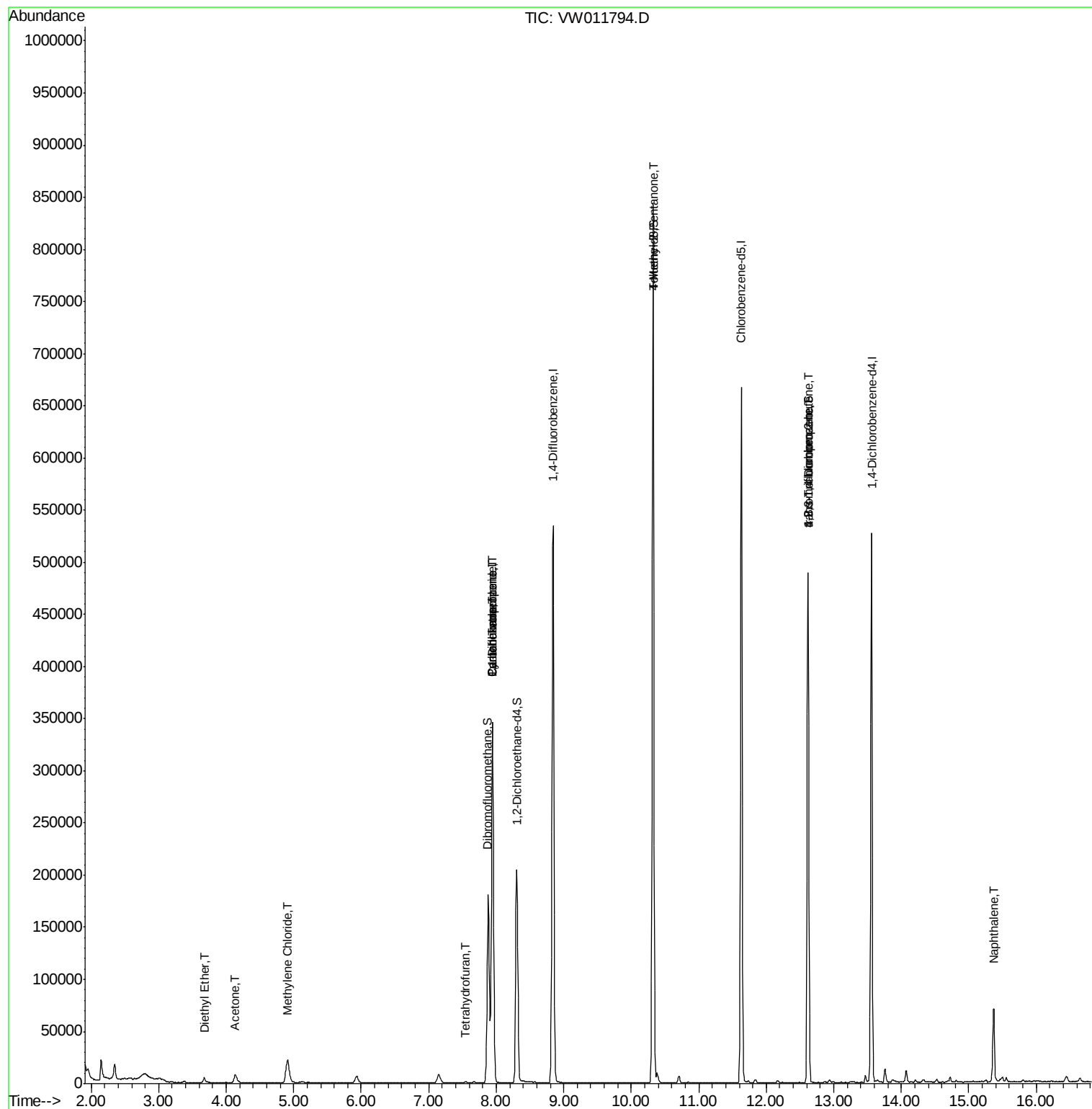
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	252143	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	418774	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	354561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	130063	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	166291	57.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.86%	
35) Dibromofluoromethane	7.88	113	129379	55.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.14%	
50) Toluene-d8	10.32	98	521441	54.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.42%	
62) 4-Bromofluorobenzene	12.62	95	160761	46.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.76%	
Target Compounds						
8) Diethyl Ether	3.68	74	2122	1.428	ug/l	81
11) Tert butyl alcohol	5.18	59	77	Below Cal	#	72
16) Acetone	4.14	43	15500	16.830	ug/l	92
20) Methylene Chloride	4.91	84	16172	5.091	ug/l	95
29) Tetrahydrofuran	7.56	42	973	1.412	ug/l #	92
31) Cyclohexane	7.95	56	6197	1.145	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21746	4.994	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25541	6.852	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	3074	1.283	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	86486	62.843	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86486	144.832	ug/l #	6
95) Naphthalene	15.37	128	57921	12.880	ug/l	99

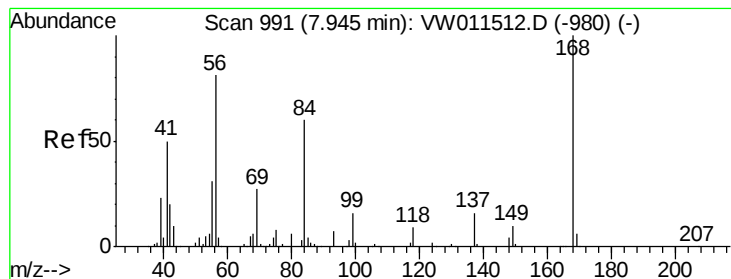
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011794.D

Acq: 09 Aug 2019 03:14

Instrument :

MSVOA_W

ClientSampleId :

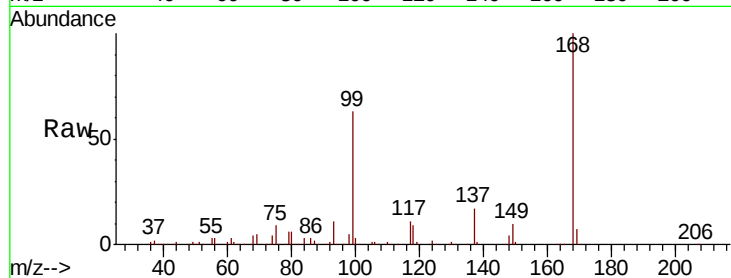
2S-12-(0)

Tgt Ion:168 Resp: 252143

Ion Ratio Lower Upper

168 100

99 62.7 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

120000

100000

80000

60000

40000

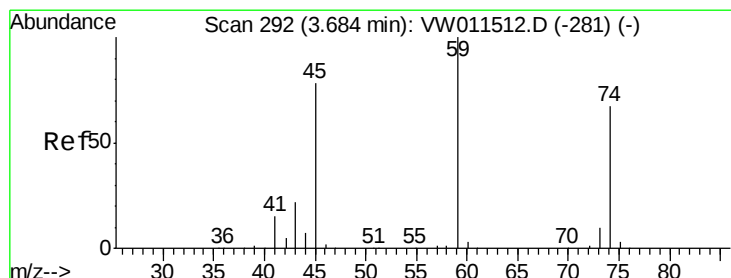
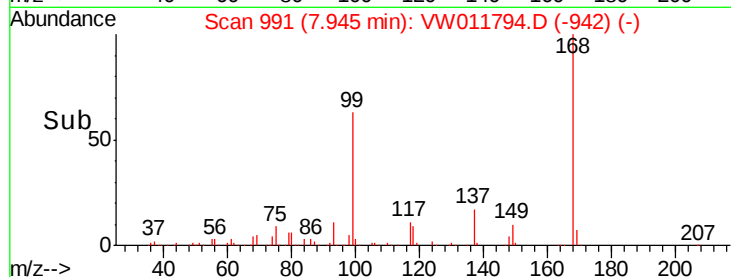
20000

0

Time-->

7.90

8.00



#8

Diethyl Ether

Concen: 1.428 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW011794.D

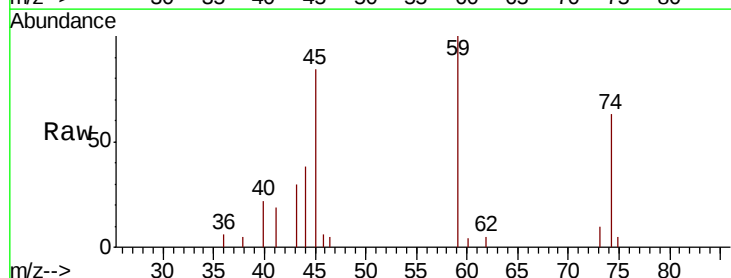
Acq: 09 Aug 2019 03:14

Tgt Ion: 74 Resp: 2122

Ion Ratio Lower Upper

74 100

45 140.6 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

500

0

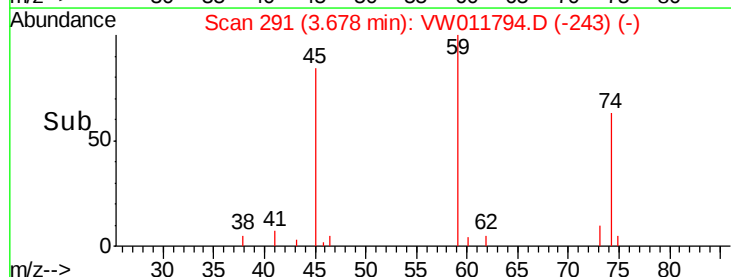
Time-->

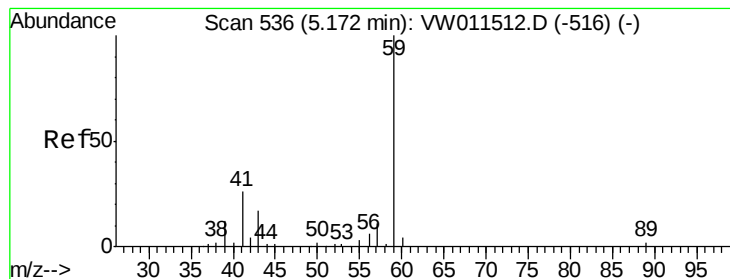
3.60

3.65

3.70

3.75



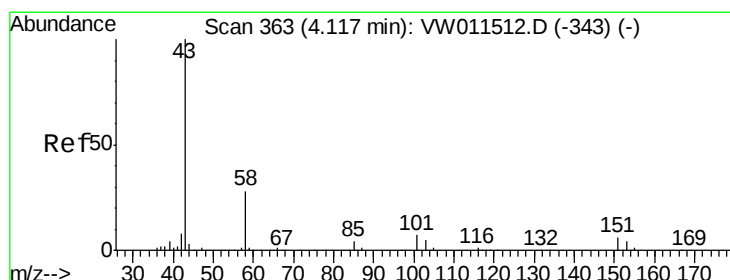
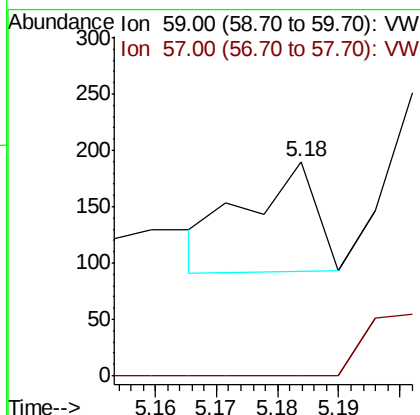
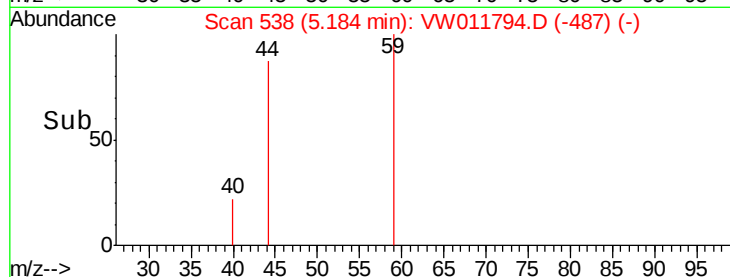
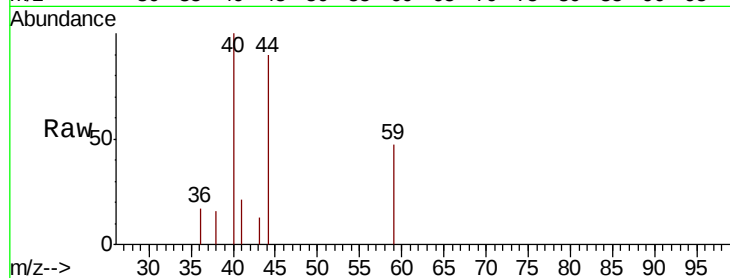


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW011794.D
 Acq: 09 Aug 2019 03:14

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-12-(0)

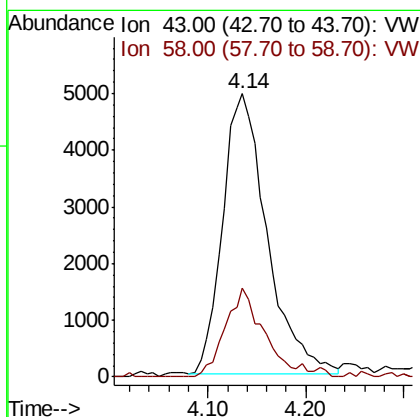
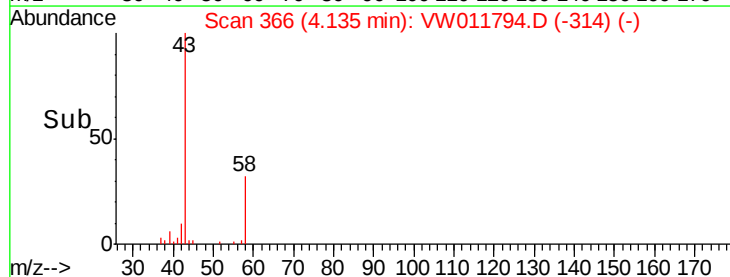
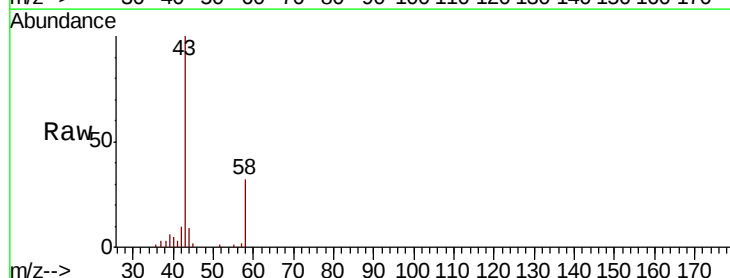
Tgt Ion: 59 Resp: 77
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

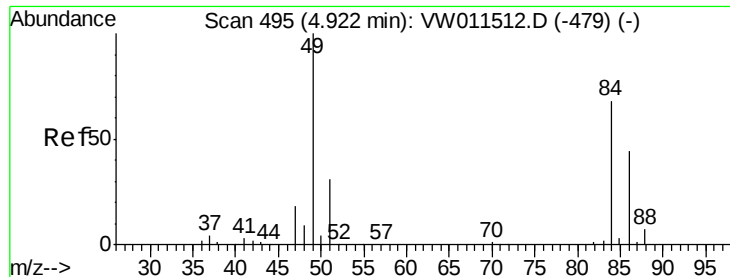


#16

Acetone
 Concen: 16.830 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VW011794.D
 Acq: 09 Aug 2019 03:14

Tgt Ion: 43 Resp: 15500
 Ion Ratio Lower Upper
 43 100
 58 31.9 22.3 33.5





#20

Methylene Chloride

Concen: 5.091 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011794.D

Acq: 09 Aug 2019 03:14

Instrument :

MSVOA_W

ClientSampled :

2S-12-(0)

Tgt Ion: 84 Resp: 16172

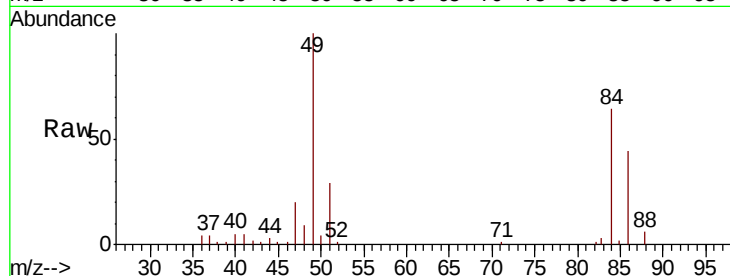
Ion Ratio Lower Upper

84 100

49 156.2 117.8 176.6

51 45.7 37.0 55.4

86 68.8 51.8 77.8

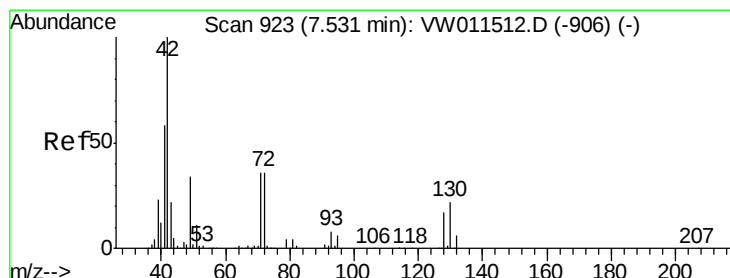
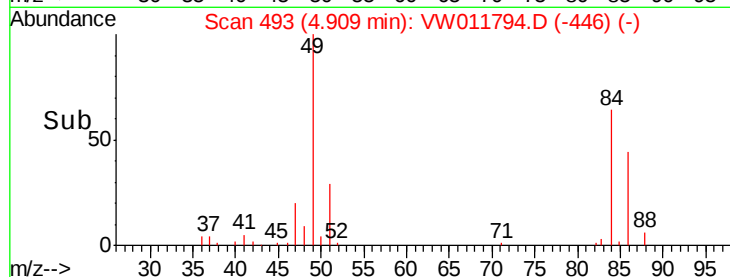
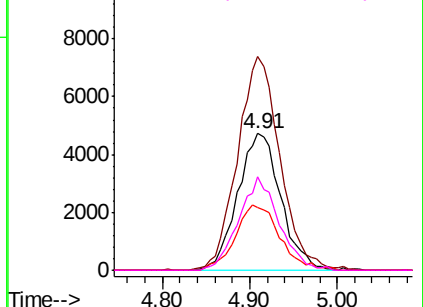


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.412 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW011794.D

Acq: 09 Aug 2019 03:14

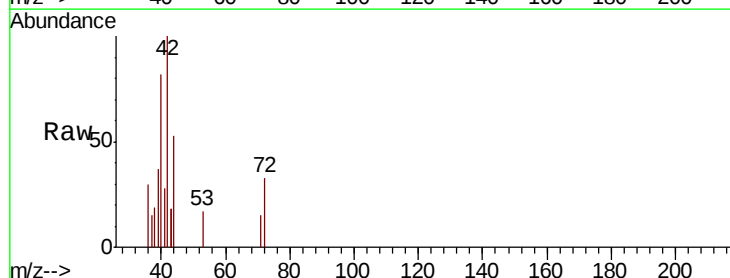
Tgt Ion: 42 Resp: 973

Ion Ratio Lower Upper

42 100

72 32.6 27.1 40.7

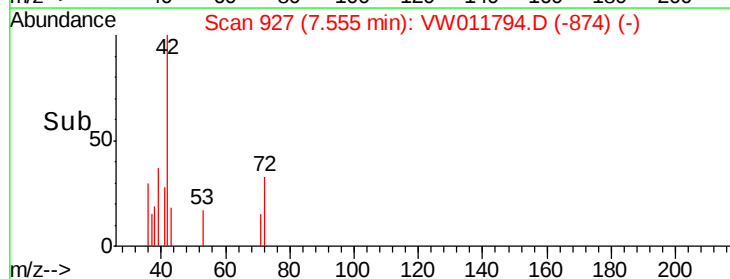
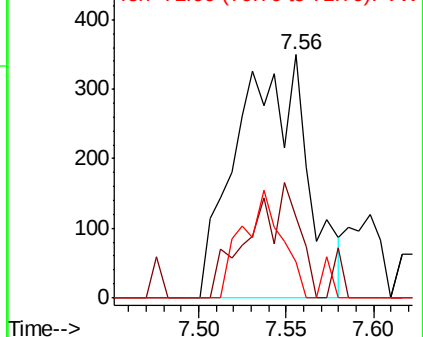
71 25.0 26.2 39.4#

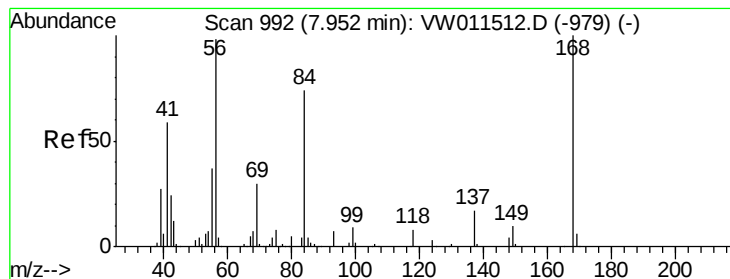


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.145 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011794.D

Acq: 09 Aug 2019 03:14

Instrument :

MSVOA_W

ClientSampleId :

2S-12-(0)

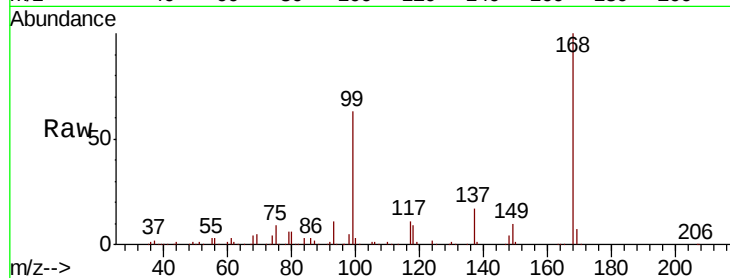
Tgt Ion: 56 Resp: 6197

Ion Ratio Lower Upper

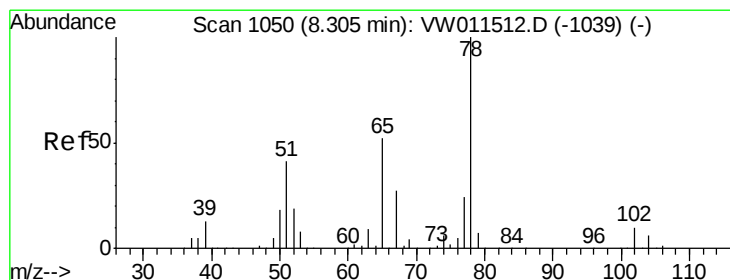
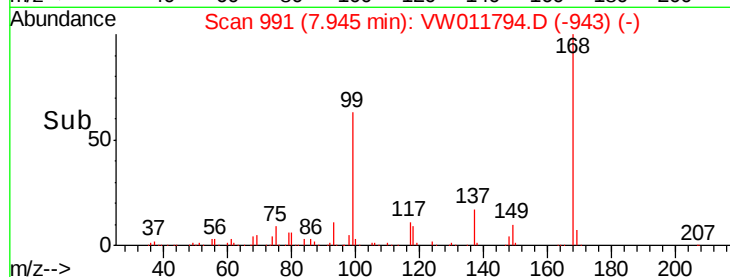
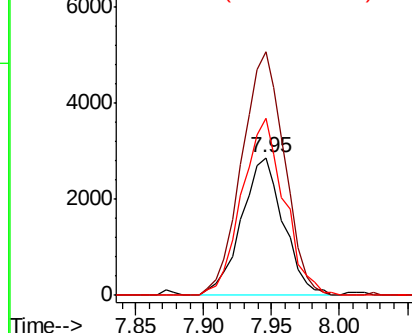
56 100

69 176.8 24.3 36.5#

84 128.9 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: 57.435 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011794.D

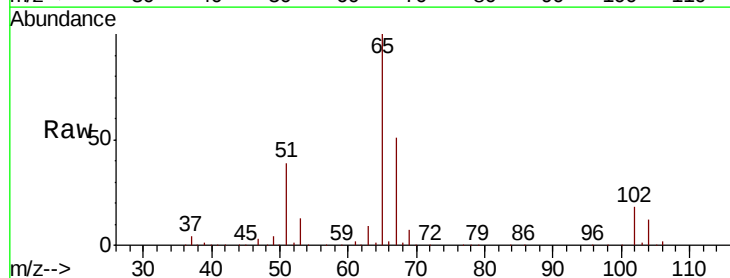
Acq: 09 Aug 2019 03:14

Tgt Ion: 65 Resp: 166291

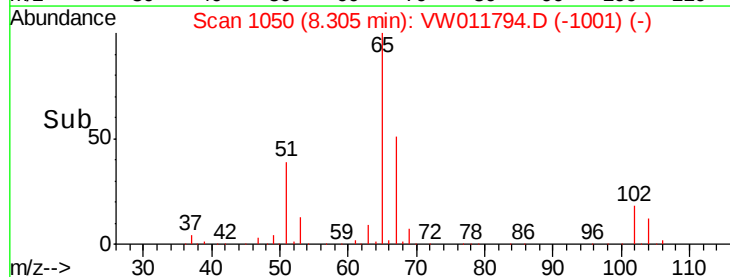
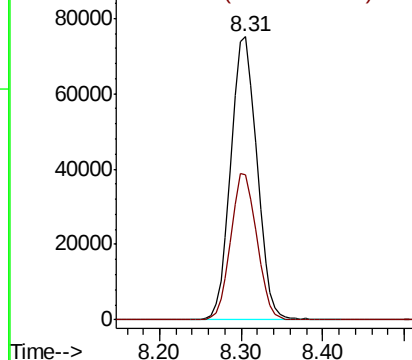
Ion Ratio Lower Upper

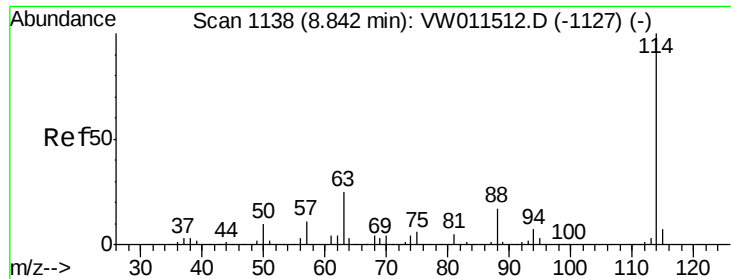
65 100

67 51.3 0.0 105.2



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

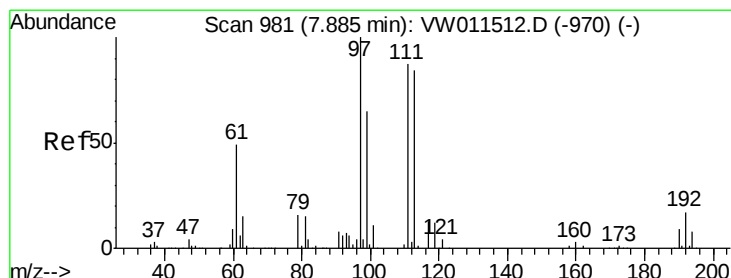
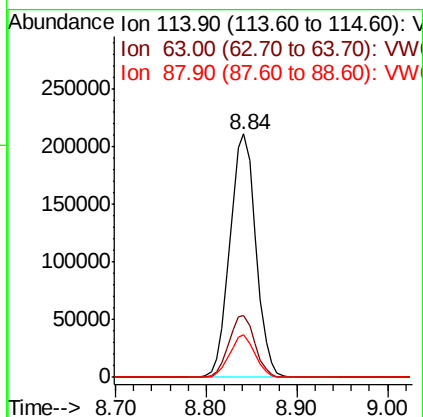
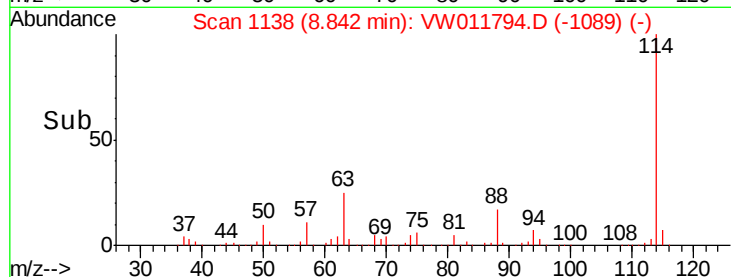
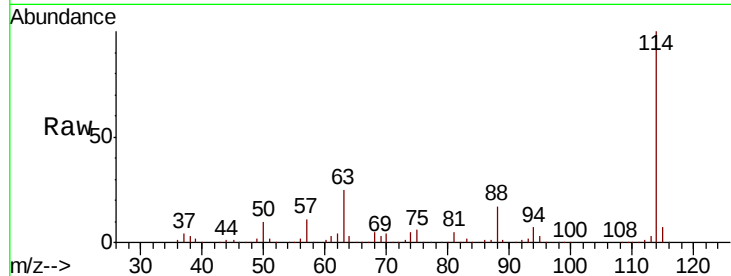




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011794.D
 Acq: 09 Aug 2019 03:14

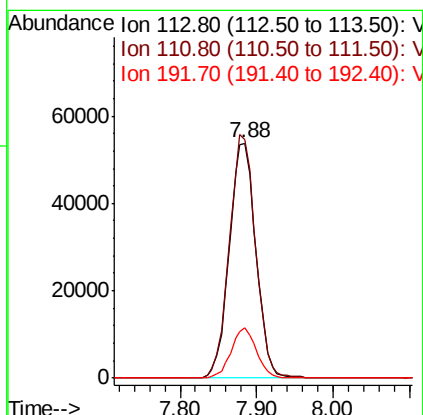
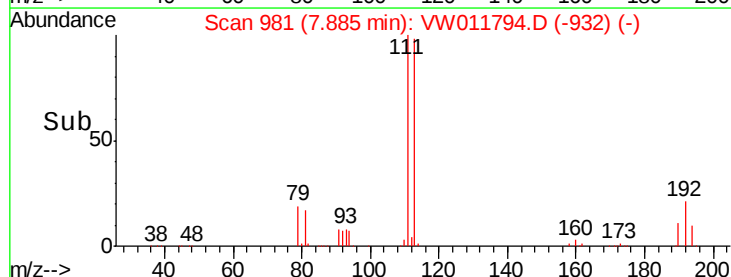
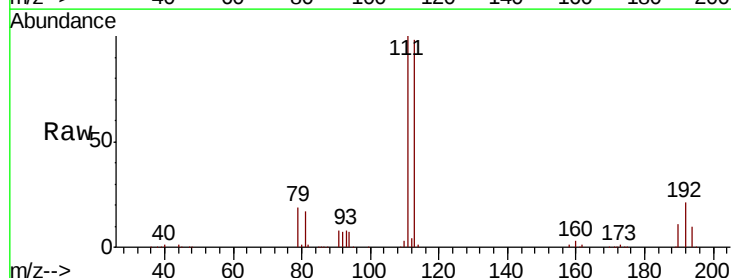
Instrument :
 MSVOA_W
 ClientSampled :
 2S-12-(0)

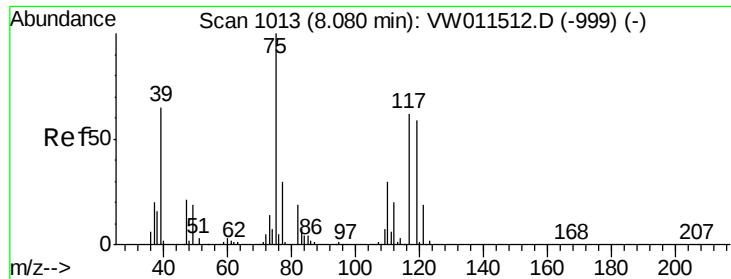
Tgt Ion:114 Resp: 418774
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 49.2
 88 17.3 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 55.069 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011794.D
 Acq: 09 Aug 2019 03:14

Tgt Ion:113 Resp: 129379
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.7 124.1
 192 20.4 16.1 24.1

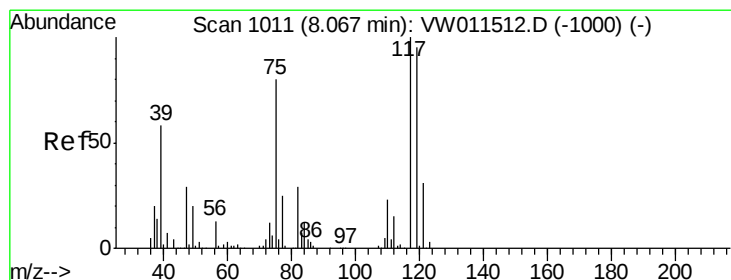
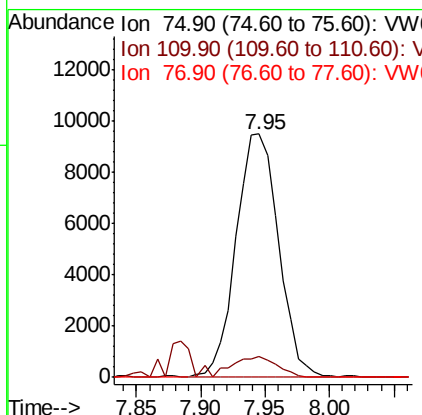
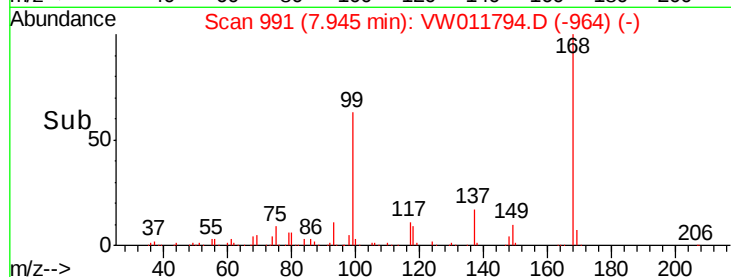
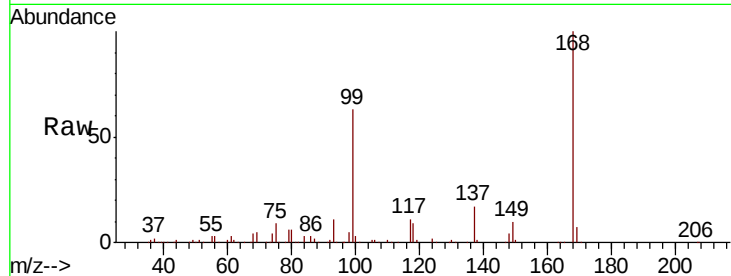




#36
 1,1-Dichloropropene
 Concen: 4.994 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011794.D
 Acq: 09 Aug 2019 03:14

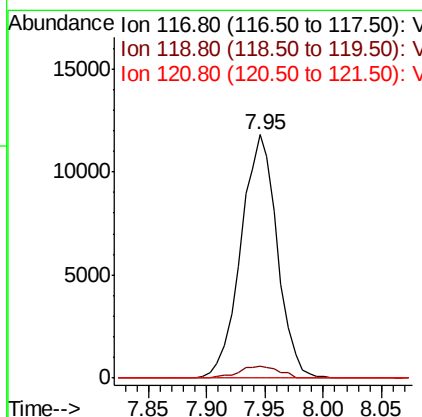
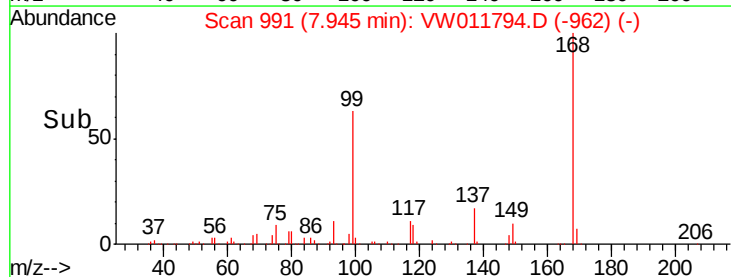
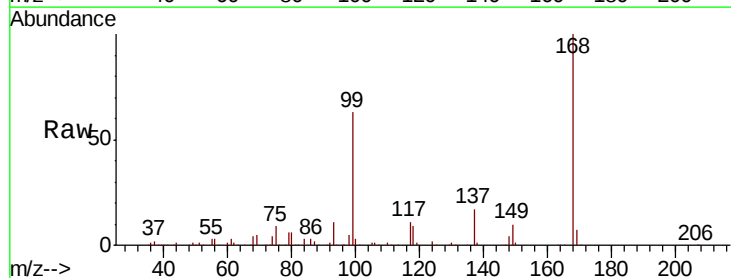
Instrument :
 MSVOA_W
 ClientSampleId :
 2S-12-(0)

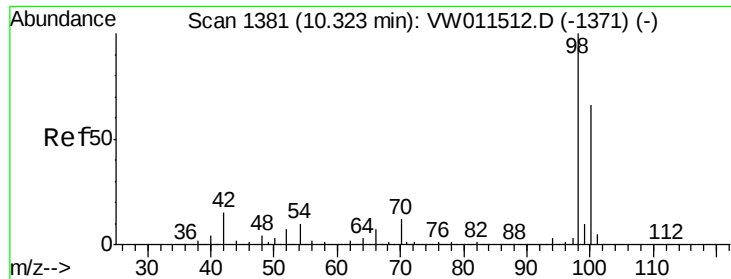
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.852 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011794.D
 Acq: 09 Aug 2019 03:14

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





#50

Toluene-d8

Concen: 54.209 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011794.D

Acq: 09 Aug 2019 03:14

Instrument :

MSVOA_W

ClientSampleId :

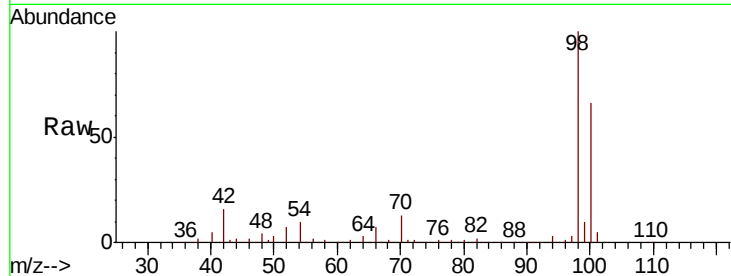
2S-12-(0)

Tgt Ion: 98 Resp: 521441

Ion Ratio Lower Upper

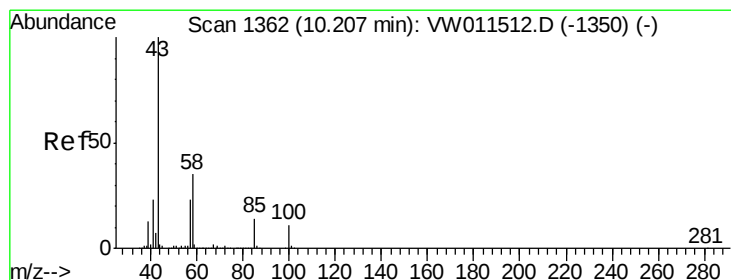
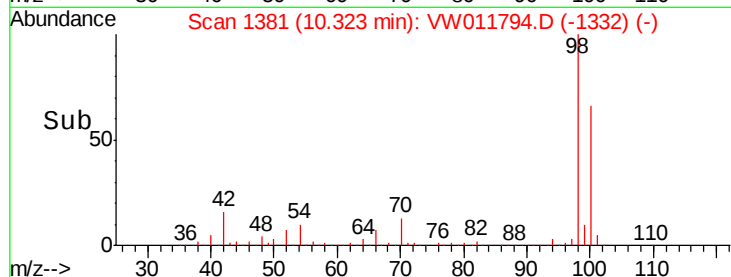
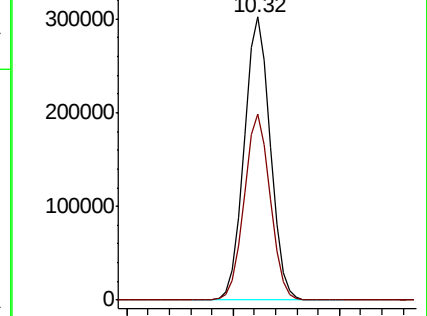
98 100

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



#51

4-Methyl-2-Pentanone

Concen: 1.283 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW011794.D

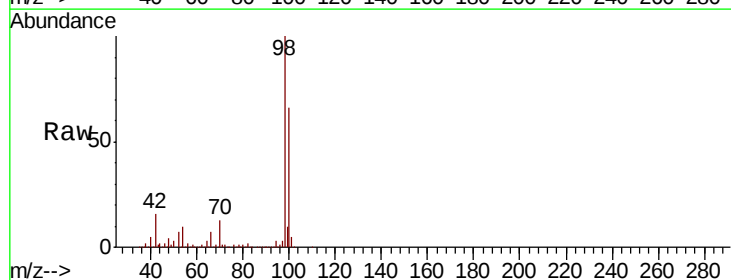
Acq: 09 Aug 2019 03:14

Tgt Ion: 43 Resp: 3074

Ion Ratio Lower Upper

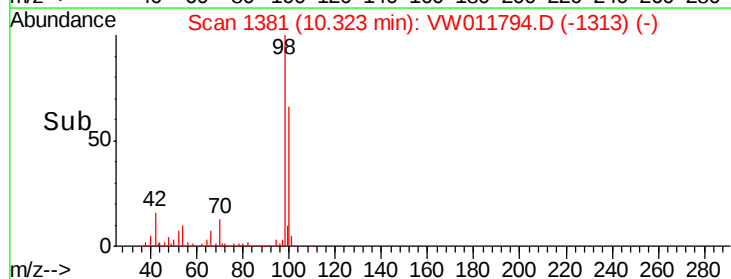
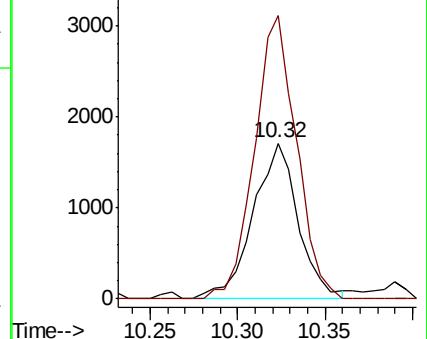
43 100

58 169.0 28.2 42.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 46.877 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011794.D

Acq: 09 Aug 2019 03:14

Instrument :

MSVOA_W

ClientSampleId :

2S-12-(0)

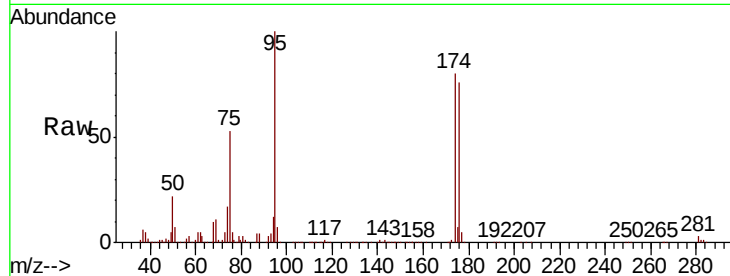
Tgt Ion: 95 Resp: 160761

Ion Ratio Lower Upper

95 100

174 76.1 0.0 150.2

176 73.3 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

120000

100000

80000

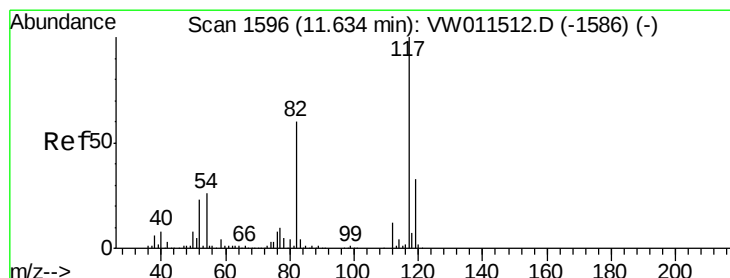
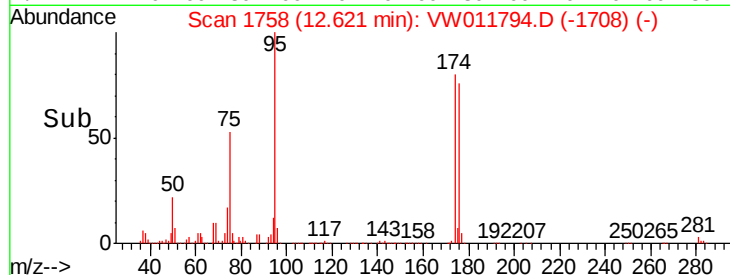
60000

40000

20000

0

Time--> 12.50 12.60 12.70



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW011794.D

Acq: 09 Aug 2019 03:14

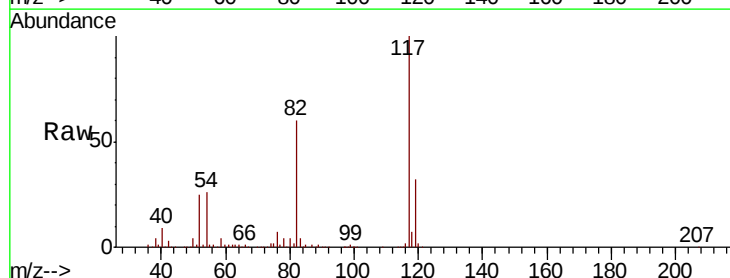
Tgt Ion: 117 Resp: 354561

Ion Ratio Lower Upper

117 100

82 60.2 47.9 71.9

119 31.9 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

250000

200000

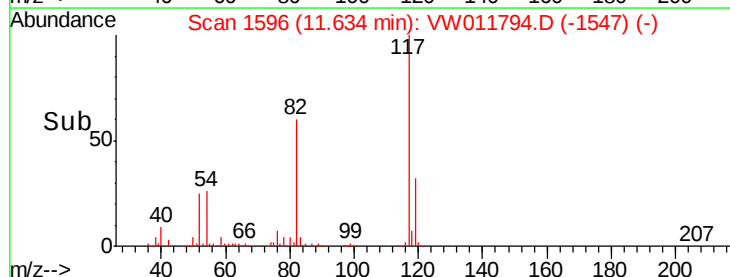
150000

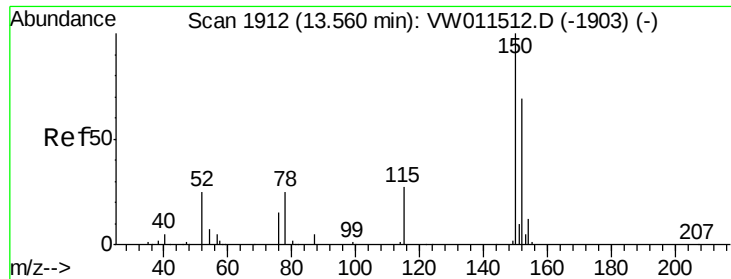
100000

50000

0

Time--> 11.60 11.70



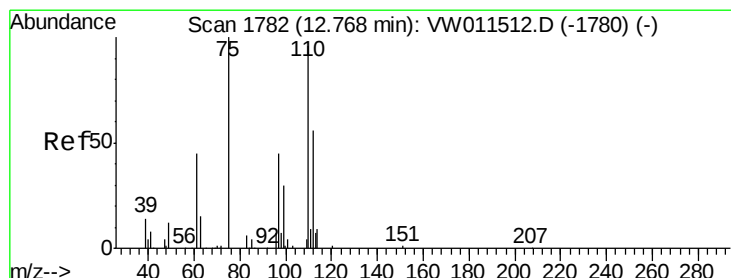
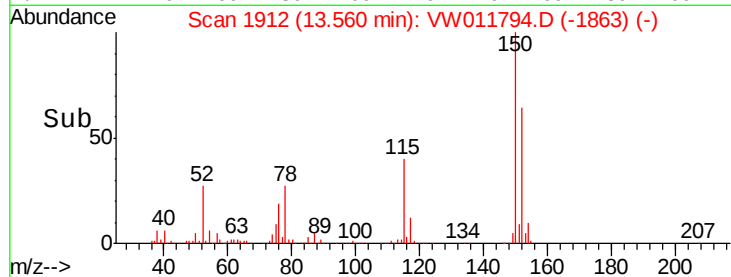
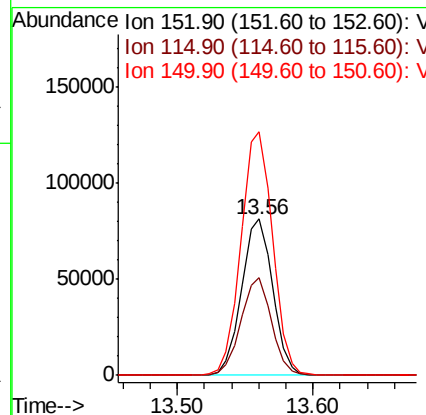
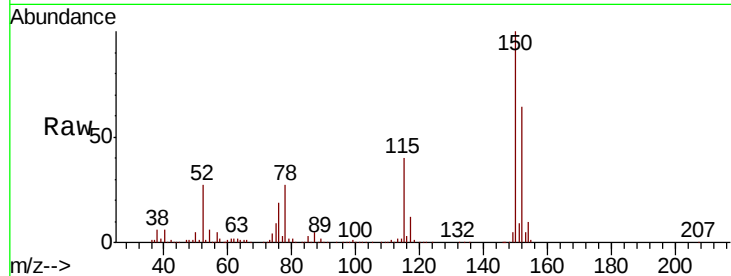


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011794.D
Acq: 09 Aug 2019 03:14

Instrument :
MSVOA_W
ClientSampleId :
2S-I2-(0)

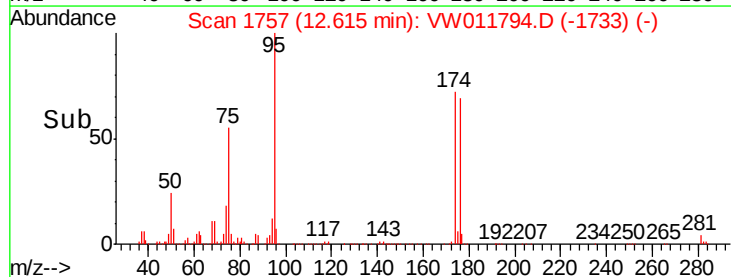
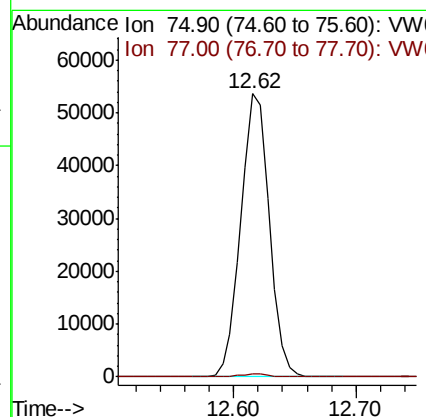
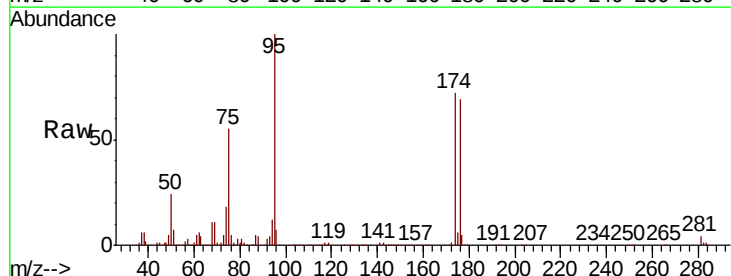
Tgt Ion:152 Resp: 130063
Ion Ratio Lower Upper
152 100
115 61.3 30.5 91.5
150 158.5 0.0 352.6

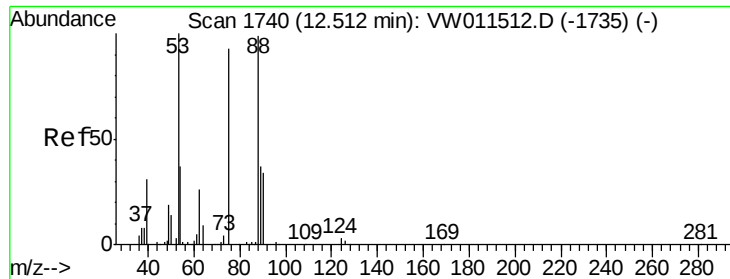


#76

1,2,3-Trichloropropane
Concen: 62.843 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW011794.D
Acq: 09 Aug 2019 03:14

Tgt Ion: 75 Resp: 86486
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

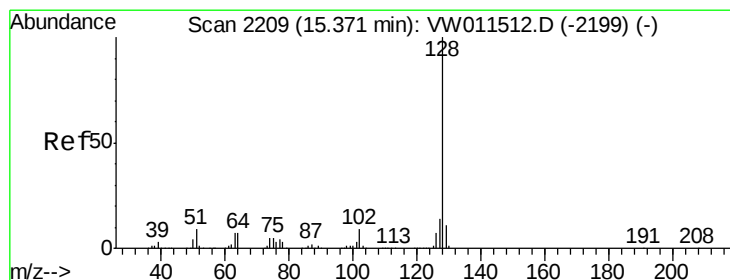
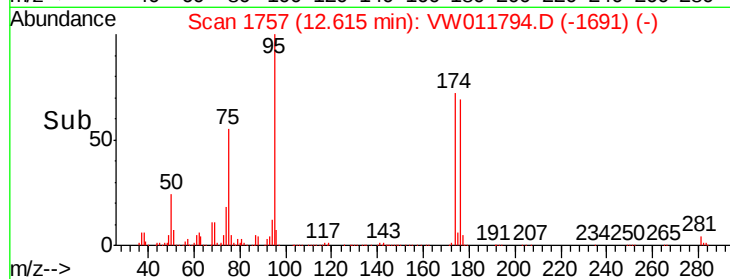
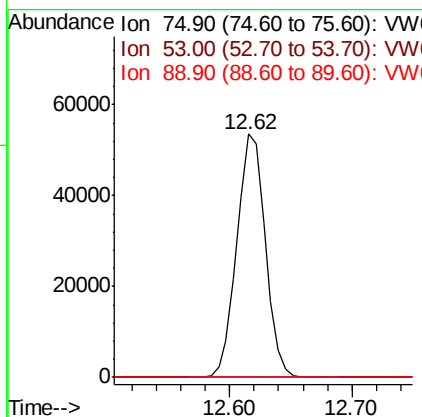
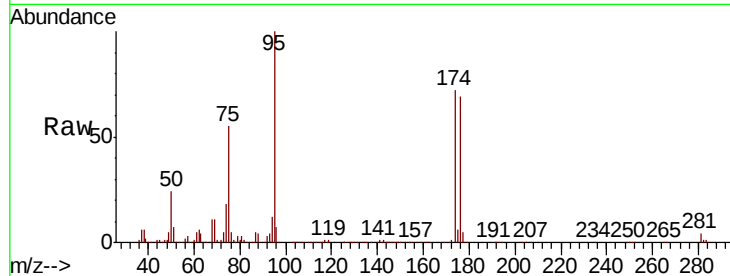




#81
trans-1,4-Dichloro-2-butene
Concen: 144.832 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW011794.D
Acq: 09 Aug 2019 03:14

Instrument :
MSVOA_W
ClientSampleId :
2S-12-(0)

Tgt Ion: 75 Resp: 86486
Ion Ratio Lower Upper
75 100
53 0.2 88.0 132.0#
89 0.1 35.3 52.9#



#95
Naphthalene
Concen: 12.880 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011794.D
Acq: 09 Aug 2019 03:14

Tgt Ion: 128 Resp: 57921
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 11.5 8.6 13.0

