

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011521.D
 Acq On : 26 Jul 2019 17:33
 Operator : SY/VA
 Sample : K3626-13
 Misc : 6.90G/5.0ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-072519-A

Quant Time: Jul 27 05:31:58 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	239755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	401797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	331102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	135735	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	153210	55.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.30%	
35) Dibromofluoromethane	7.88	113	120742	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
50) Toluene-d8	10.32	98	485624	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
62) 4-Bromofluorobenzene	12.62	95	157970	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	

Target Compounds

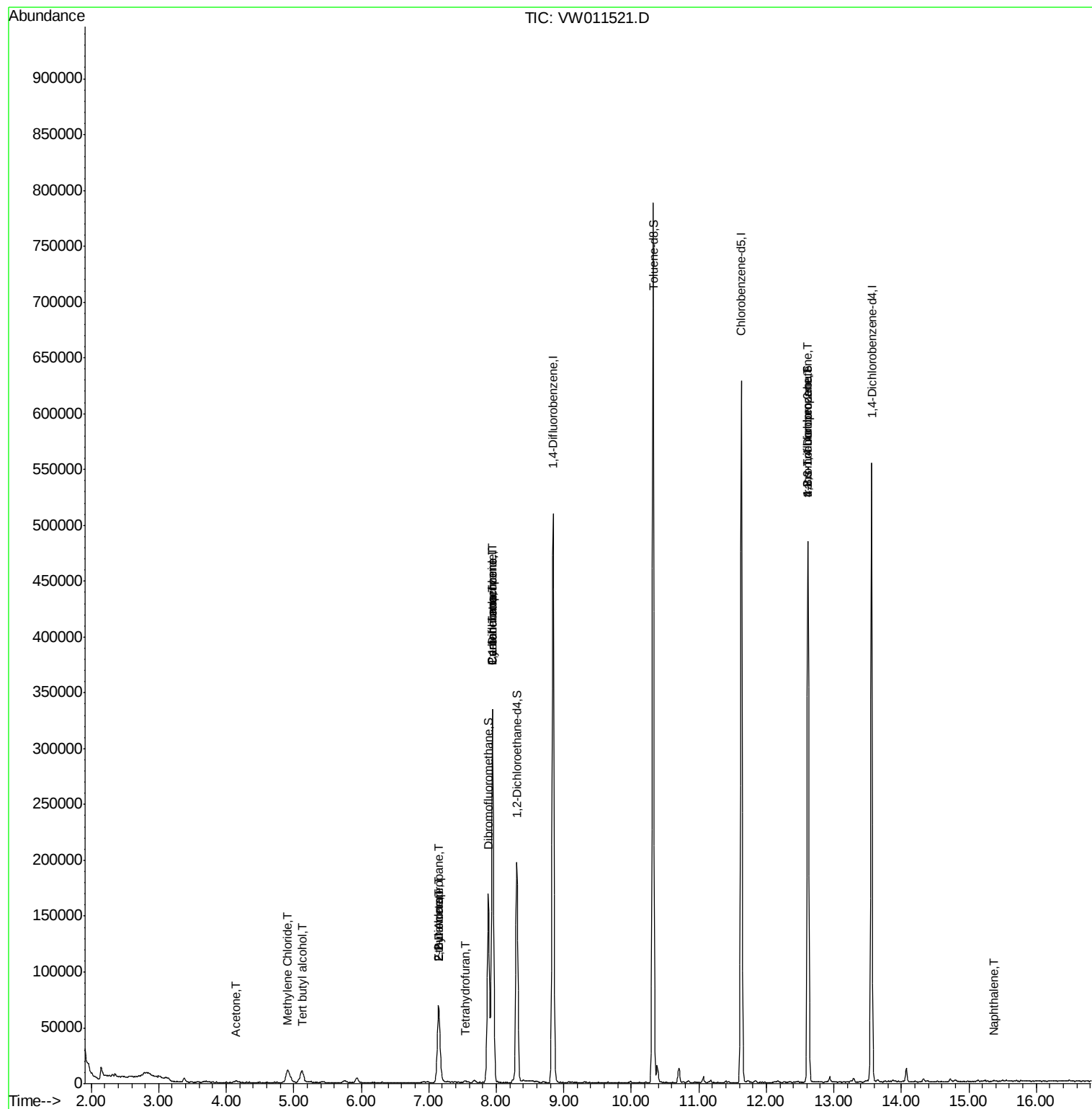
						Qvalue
11) Tert butyl alcohol	5.12	59	11013	39.167	ug/l #	74
16) Acetone	4.14	43	3609	4.121	ug/l	94
20) Methylene Chloride	4.92	84	8203	2.716	ug/l	95
25) 2-Butanone	7.14	43	4855	4.237	ug/l #	78
26) 2,2-Dichloropropane	7.15	77	4857	1.473	ug/l #	54
29) Tetrahydrofuran	7.54	42	1631	2.490	ug/l #	79
31) Cyclohexane	7.94	56	5732	1.114	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20891	5.000	ug/l #	51
37) Ethyl Acetate	7.14	43	4855	2.020	ug/l #	12
38) Carbon Tetrachloride	7.95	117	24036	6.720	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	84733	58.997	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84733	135.967	ug/l #	6
95) Naphthalene	15.37	128	848	2.218	ug/l #	93

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
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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: VW011521.D

Acq: 26 Jul 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

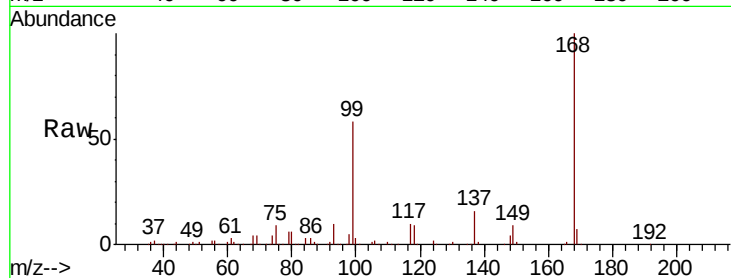
SU-03-072519-A

Tot Ion:168 Resp: 239755

Ion Ratio Lower Upper

168 100

99 58.3 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

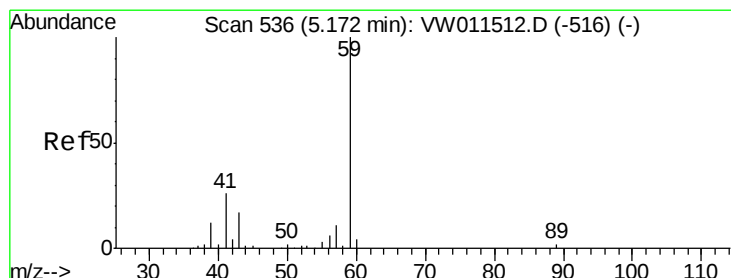
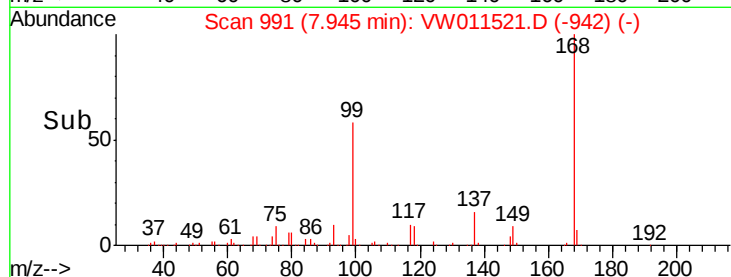
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 39.167 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW011521.D

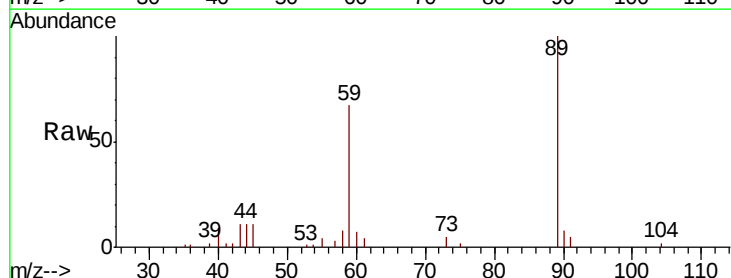
Acq: 26 Jul 2019 17:33

Tgt Ion: 59 Resp: 11013

Ion Ratio Lower Upper

59 100

57 1.0 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

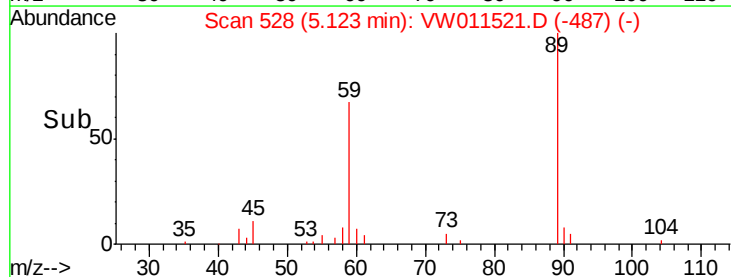
3000

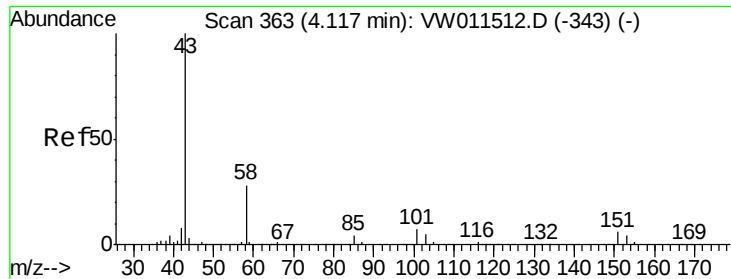
2000

1000

0

Time--> 5.00 5.10 5.20





#16

Acetone

Concen: 4.121 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011521.D

Acq: 26 Jul 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

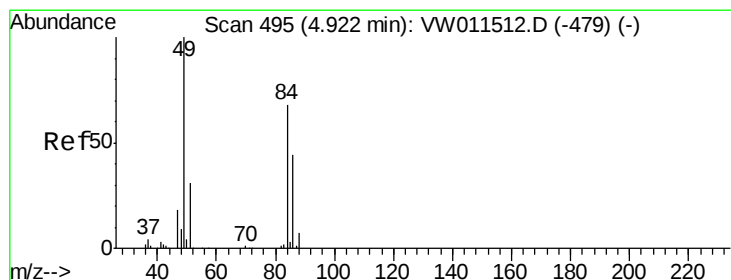
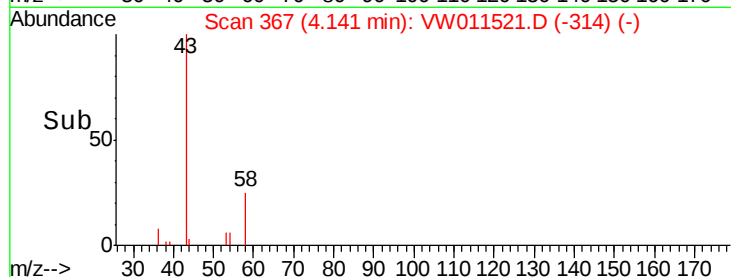
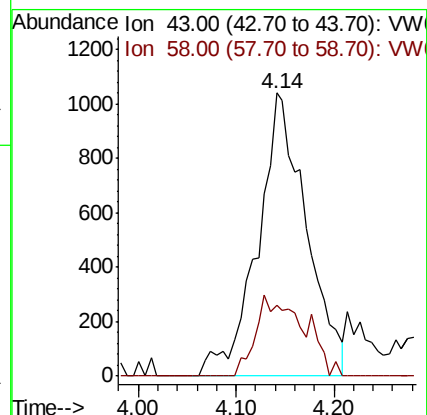
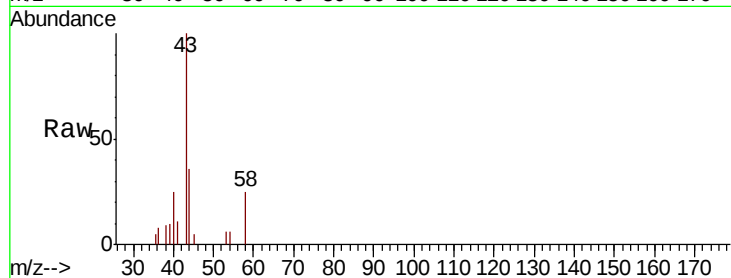
SU-03-072519-A

Tot Ion: 43 Resp: 3609

Ion Ratio Lower Upper

43 100

58 24.9 22.3 33.5



#20

Methylene Chloride

Concen: 2.716 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011521.D

Acq: 26 Jul 2019 17:33

Tgt Ion: 84 Resp: 8203

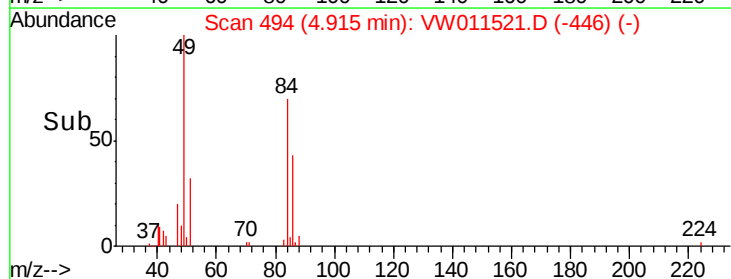
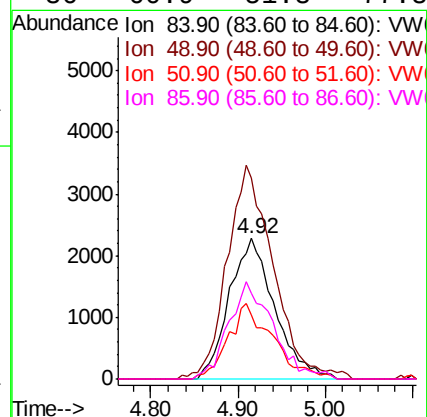
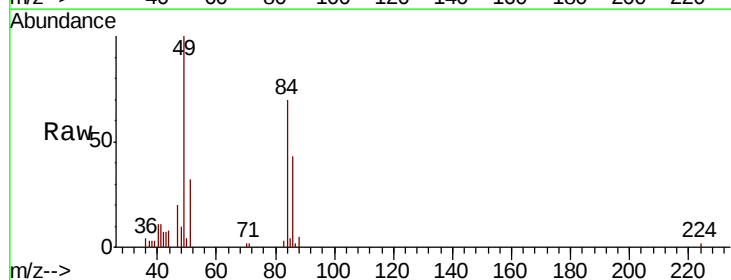
Ion Ratio Lower Upper

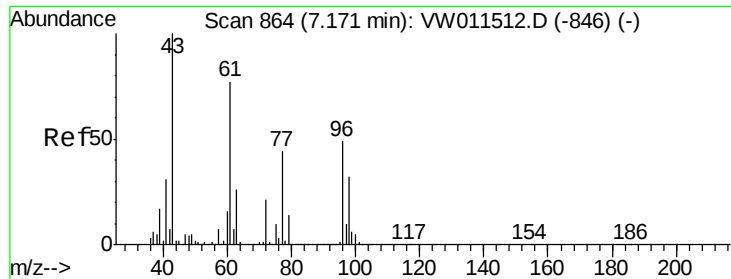
84 100

49 138.5 117.8 176.6

51 45.1 37.0 55.4

86 60.9 51.8 77.8





#25

2-Butanone

Concen: 4.237 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW011521.D

Acq: 26 Jul 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

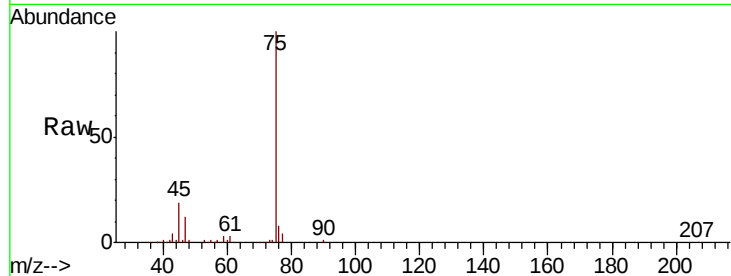
SU-03-072519-A

Tot Ion: 43 Resp: 4855

Ion Ratio Lower Upper

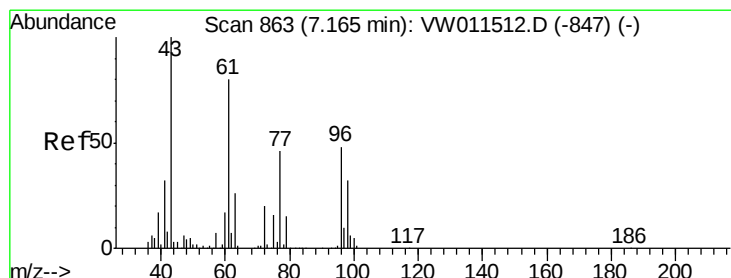
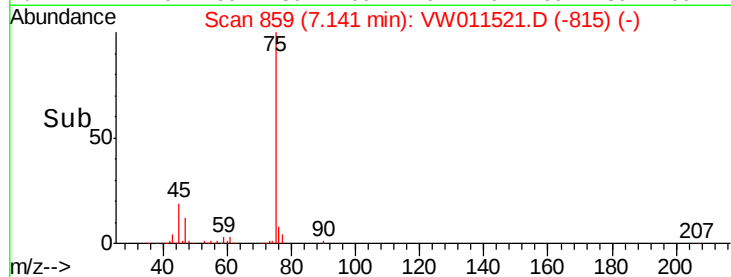
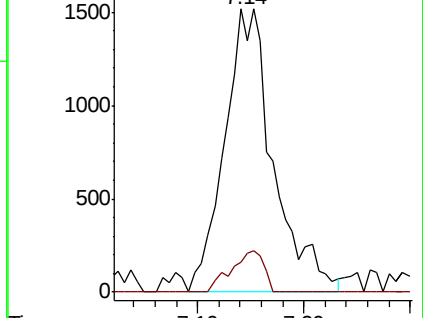
43 100

72 10.6 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.473 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011521.D

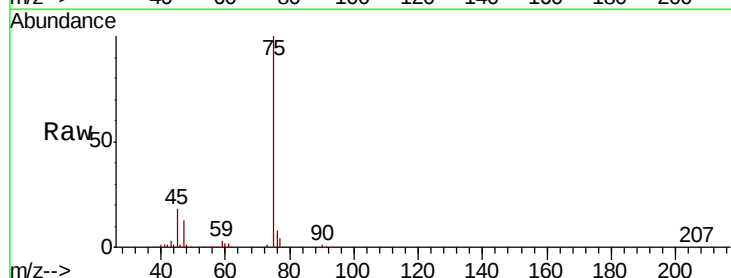
Acq: 26 Jul 2019 17:33

Tgt Ion: 77 Resp: 4857

Ion Ratio Lower Upper

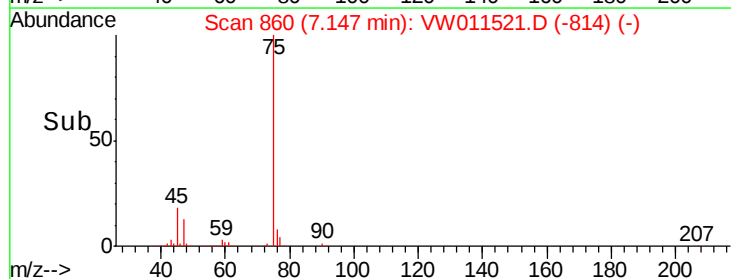
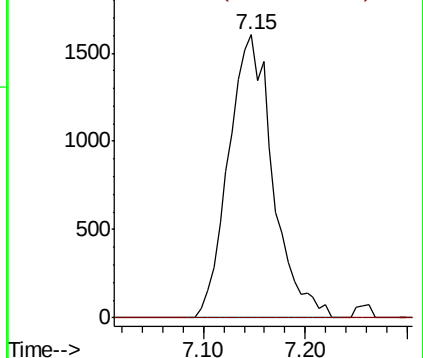
77 100

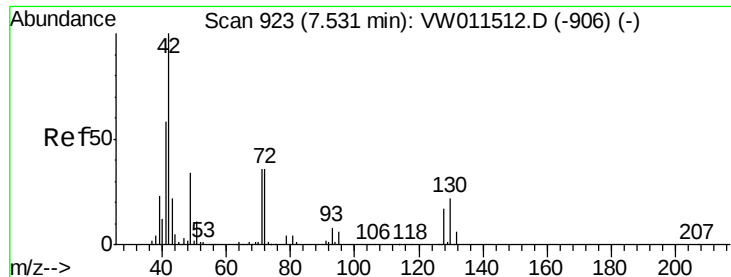
97 0.0 10.8 32.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

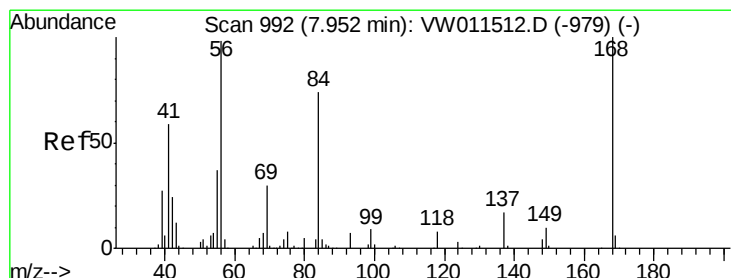
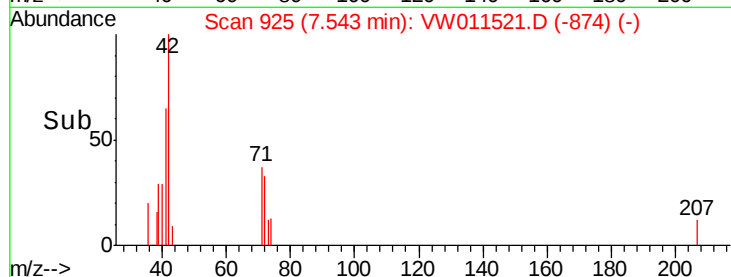
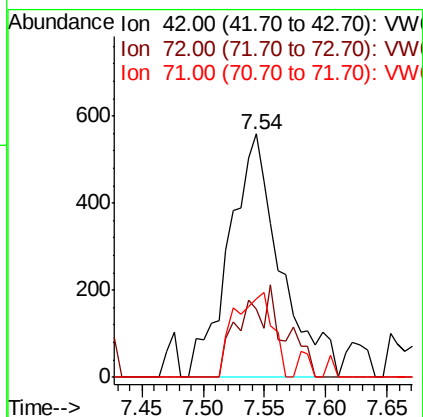
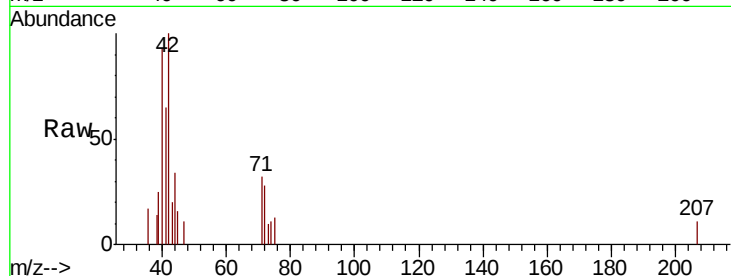




#29
Tetrahydrofuran
Concen: 2.490 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW011521.D
Acq: 26 Jul 2019 17:33

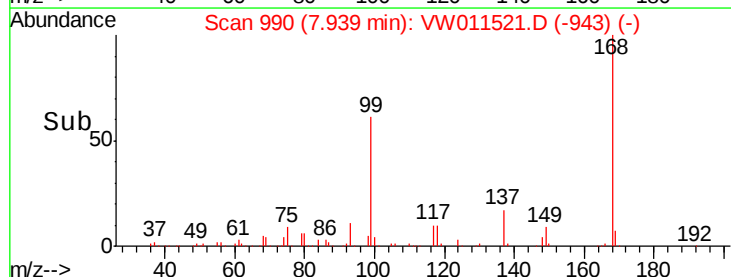
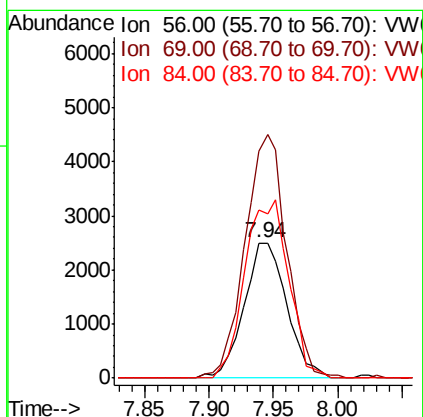
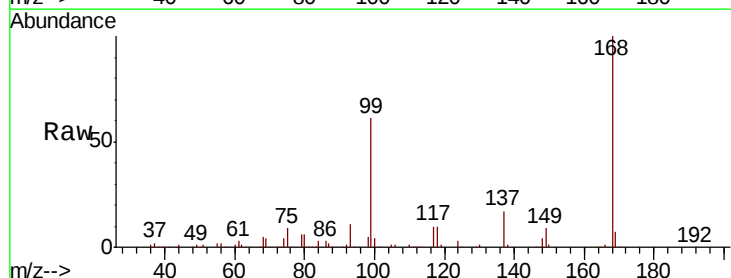
Instrument :
MSVOA_W
ClientSampleId :
SU-03-072519-A

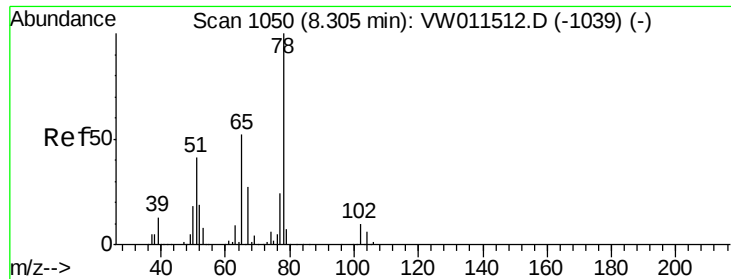
Tot Ion	Ratio	Lower	Upper
42	100		
72	17.3	27.1	40.7#
71	25.9	26.2	39.4#



#31
Cyclohexane
Concen: 1.114 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011521.D
Acq: 26 Jul 2019 17:33

Tgt Ion	Ratio	Lower	Upper
56	100		
69	168.1	24.3	36.5#
84	124.1	60.4	90.6#

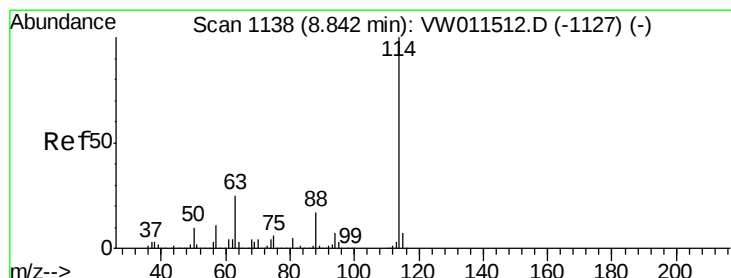
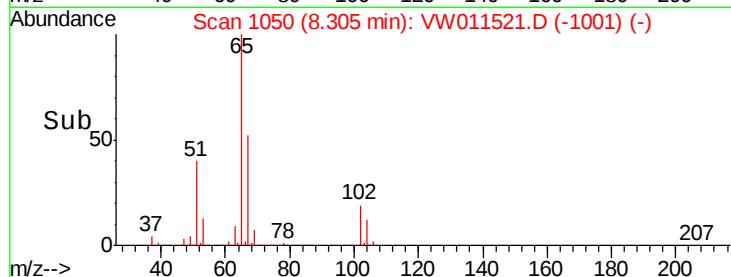
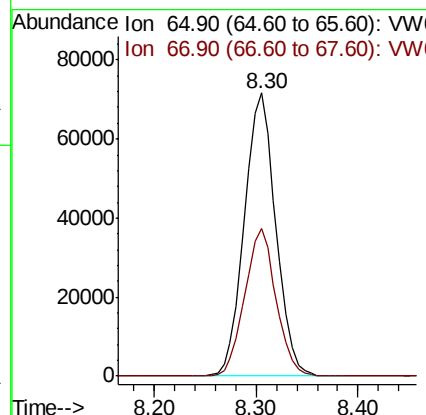
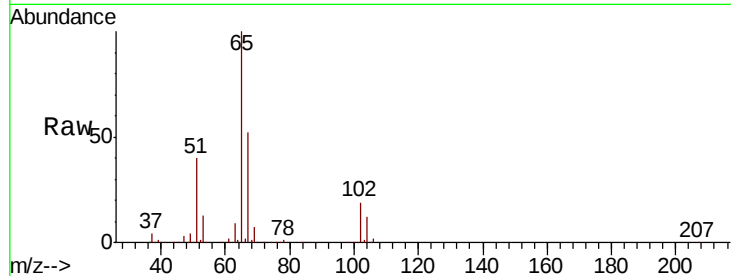




#33
 1,2-Dichloroethane-d4
 Concen: 55.651 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011521.D
 Acq: 26 Jul 2019 17:33

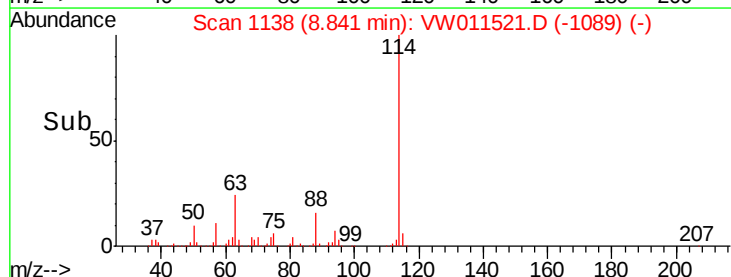
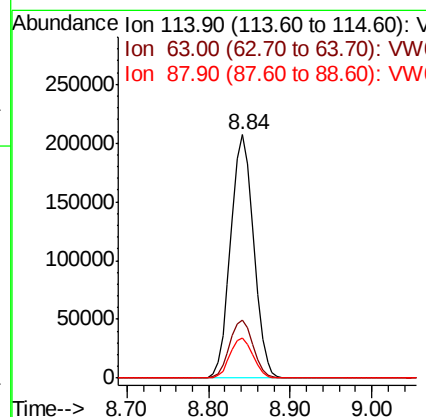
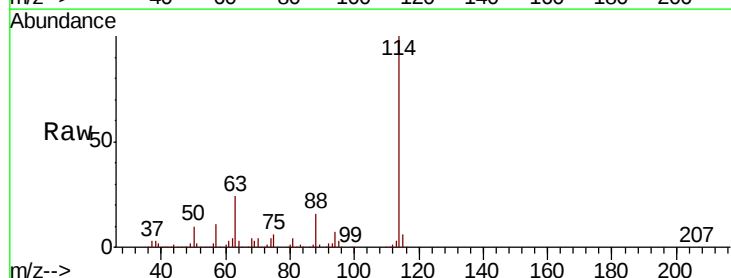
Instrument :
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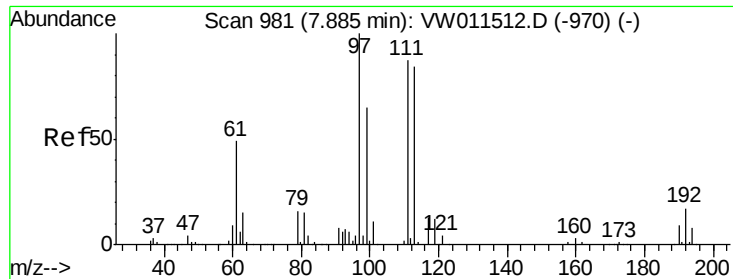
Tot Ion: 65 Resp: 153210
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011521.D
 Acq: 26 Jul 2019 17:33

Tgt Ion: 114 Resp: 401797
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 49.2
 88 16.5 0.0 33.8

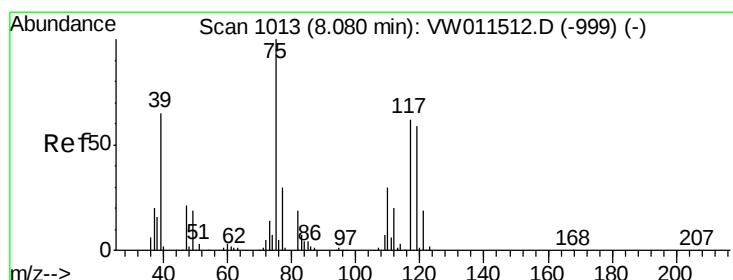
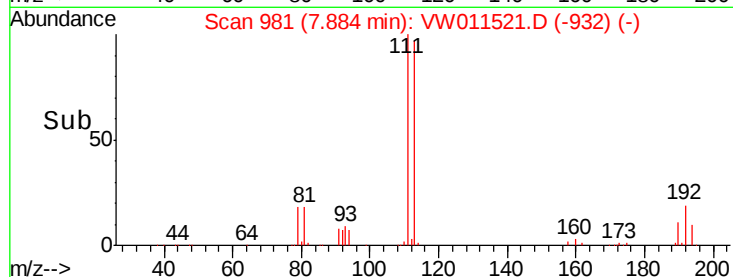
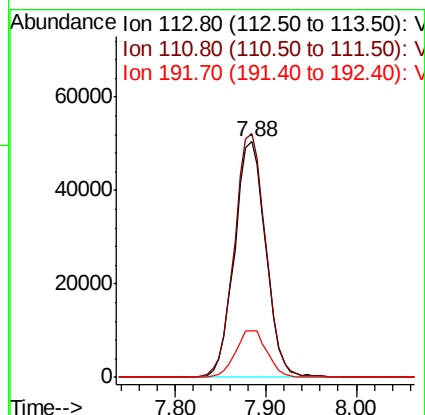
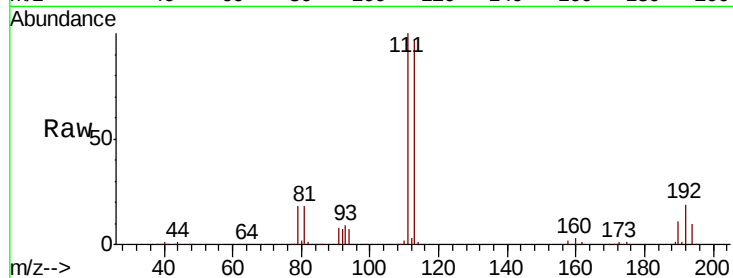




#35
 Dibromofluoromethane
 Concen: 53.564 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011521.D
 Acq: 26 Jul 2019 17:33

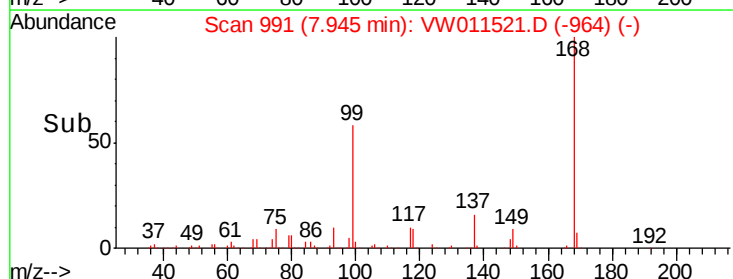
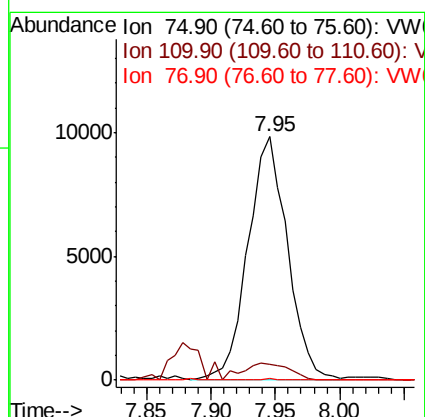
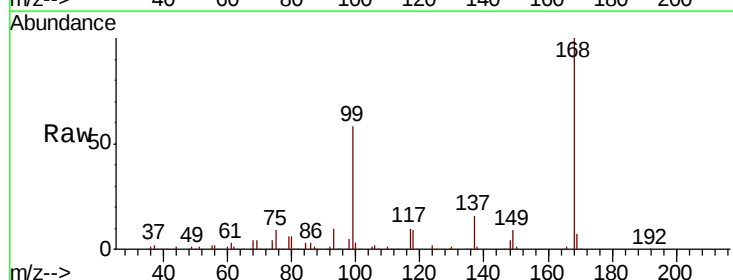
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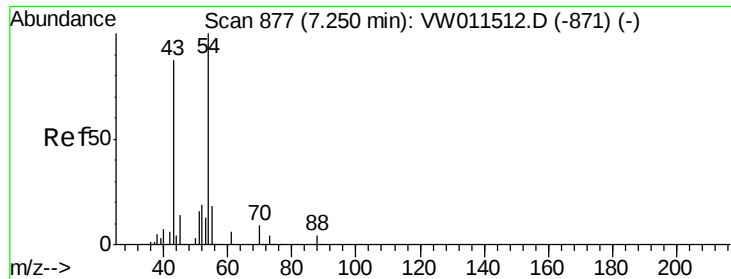
Tot Ion:113 Resp: 120742
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.7 124.1
 192 20.0 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 5.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011521.D
 Acq: 26 Jul 2019 17:33

Tgt Ion: 75 Resp: 20891
 Ion Ratio Lower Upper
 75 100
 110 7.3 15.6 46.8#
 77 0.1 24.3 36.5#

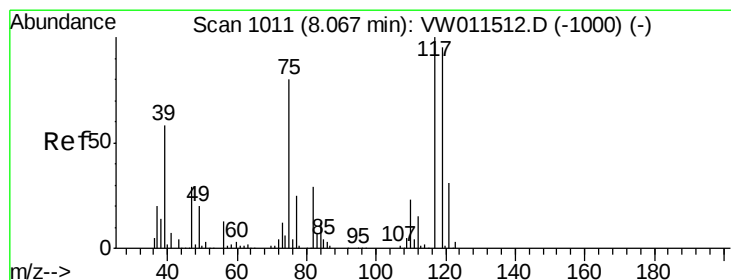
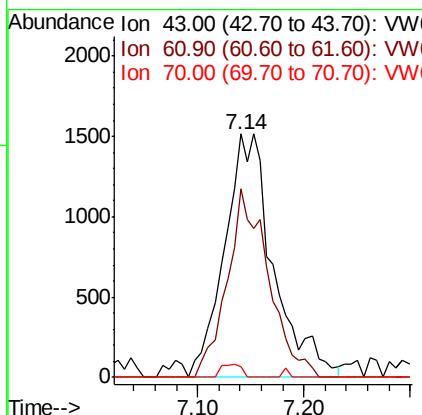
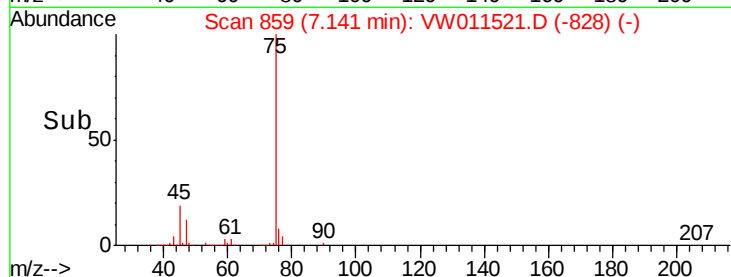
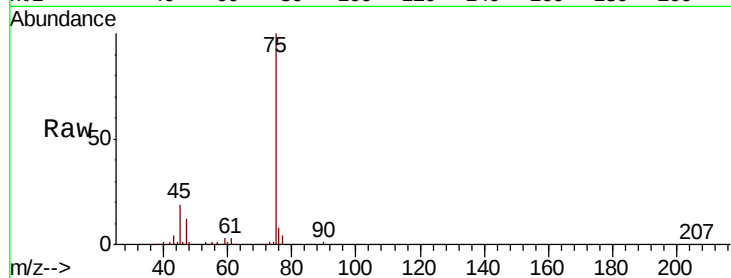




#37
Ethyl Acetate
Concen: 2.020 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.11 min
Lab File: VW011521.D
Acq: 26 Jul 2019 17:33

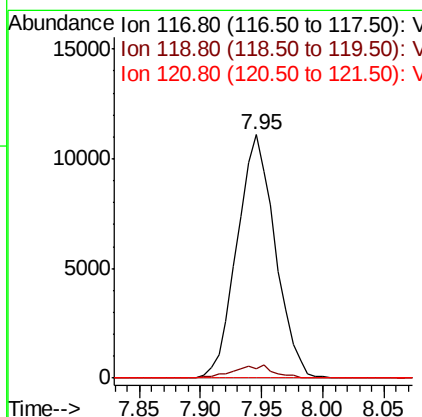
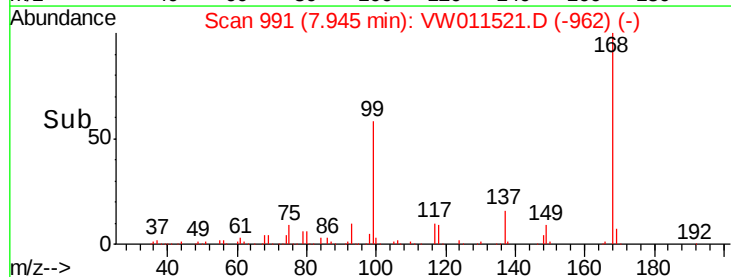
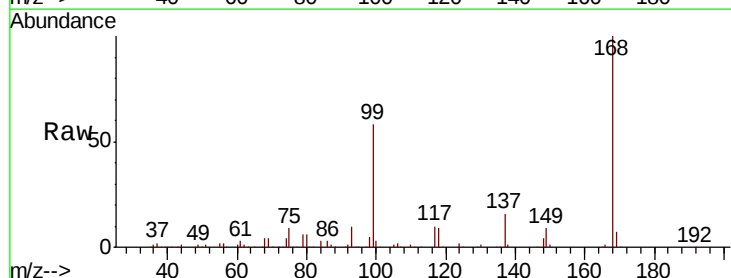
Instrument :
MSVOA_W
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SU-03-072519-A

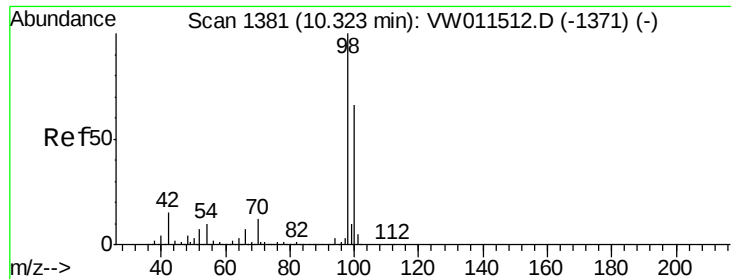
Tot Ion: 43 Resp: 4855
Ion Ratio Lower Upper
43 100
61 65.6 8.8 13.2#
70 2.2 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.720 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011521.D
Acq: 26 Jul 2019 17:33

Tgt Ion: 117 Resp: 24036
Ion Ratio Lower Upper
117 100
119 3.8 75.8 113.6#
121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 52.618 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011521.D

Acq: 26 Jul 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

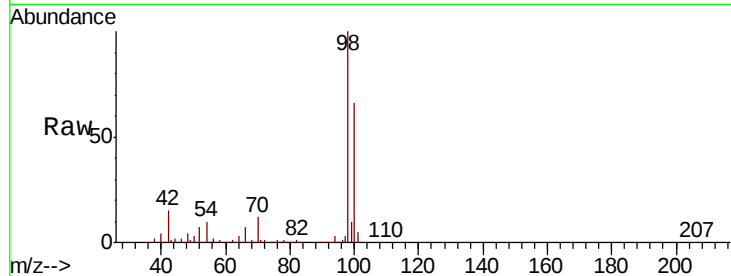
SU-03-072519-A

Tot Ion: 98 Resp: 485624

Ion Ratio Lower Upper

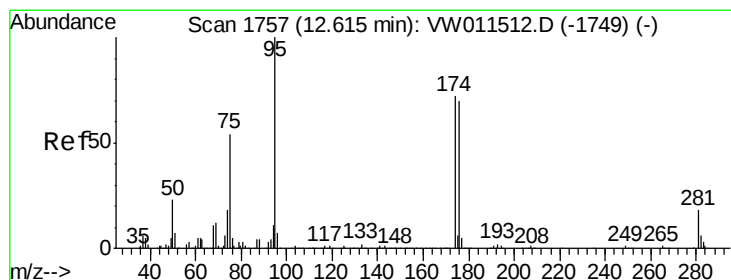
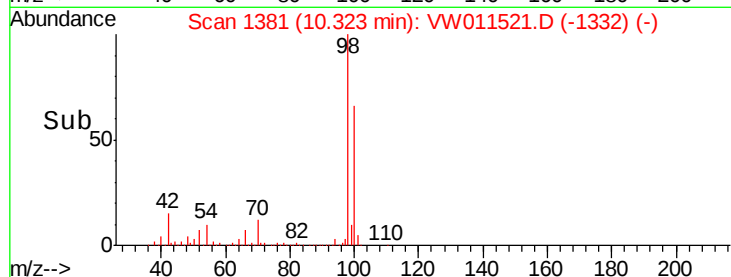
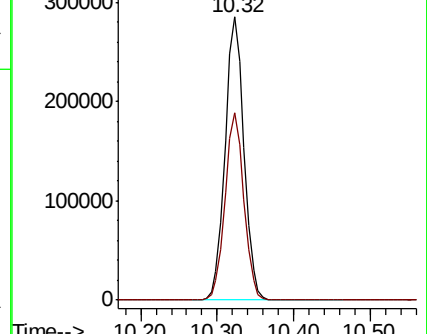
98 100

100 65.9 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: 48.010 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011521.D

Acq: 26 Jul 2019 17:33

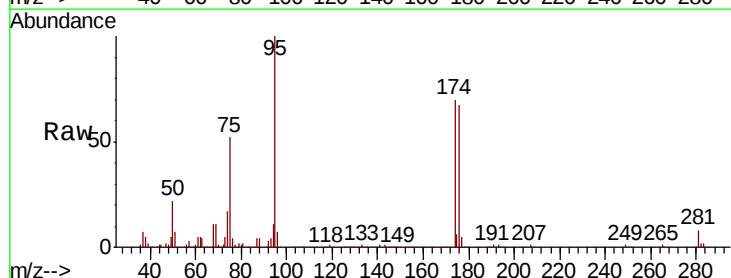
Tgt Ion: 95 Resp: 157970

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.2

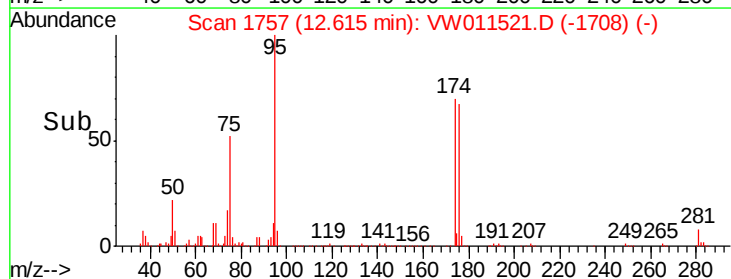
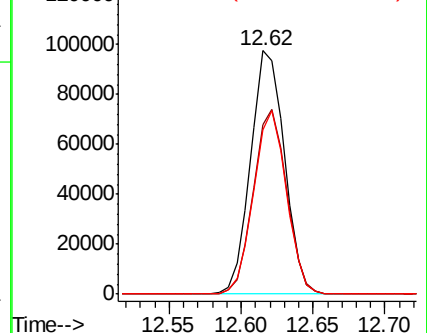
176 73.2 0.0 144.4

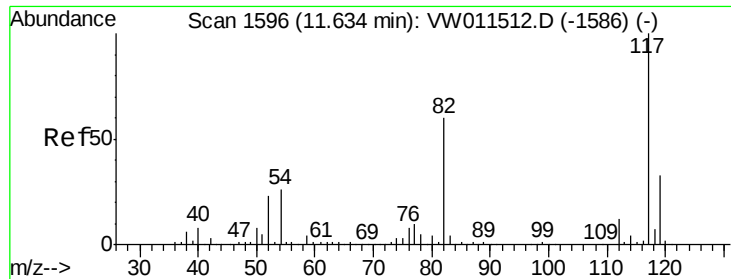


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

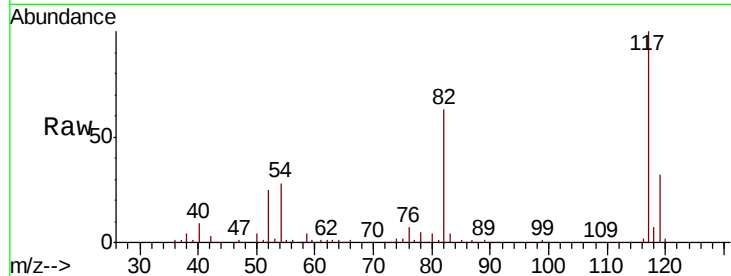




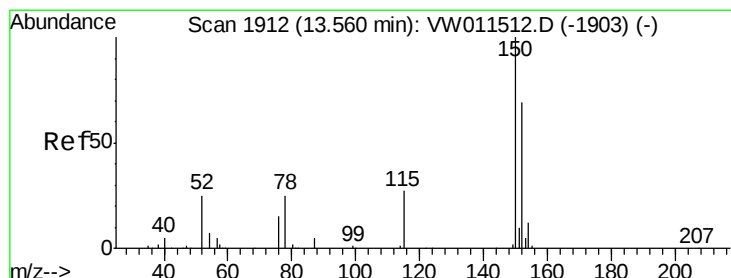
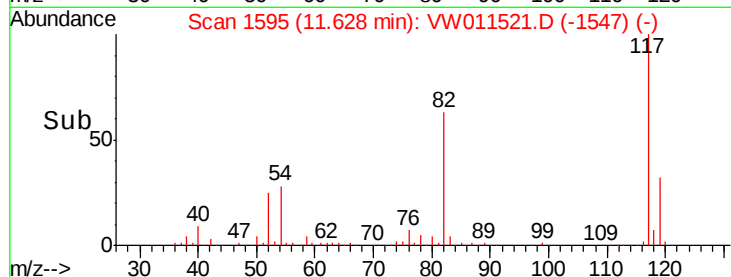
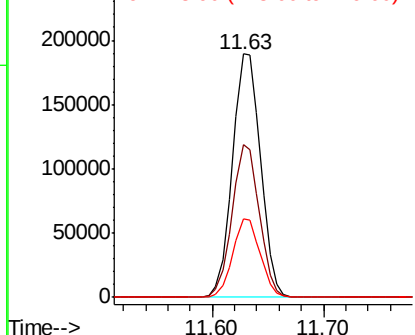
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011521.D
Acq: 26 Jul 2019 17:33

Instrument :
MSVOA_W
ClientSampleId :
SU-03-072519-A

Tot Ion:117 Resp: 331102
Ion Ratio Lower Upper
117 100
82 63.0 47.9 71.9
119 32.0 26.2 39.2

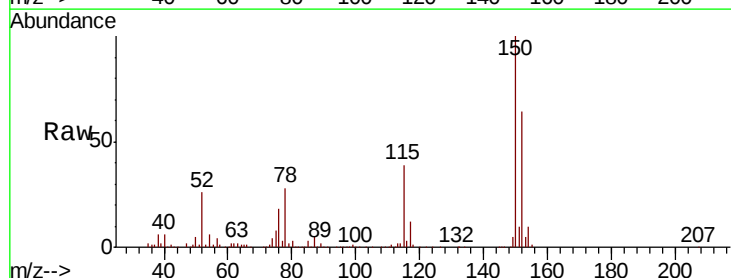


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

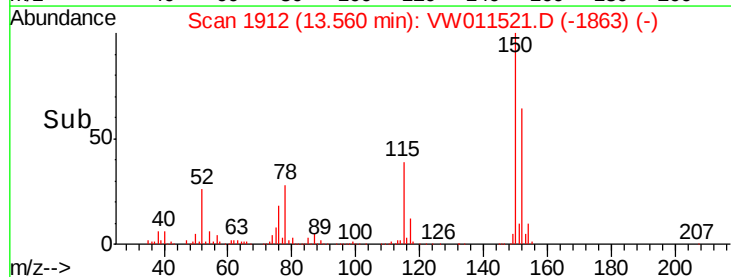
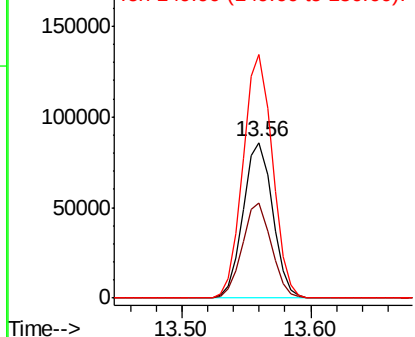


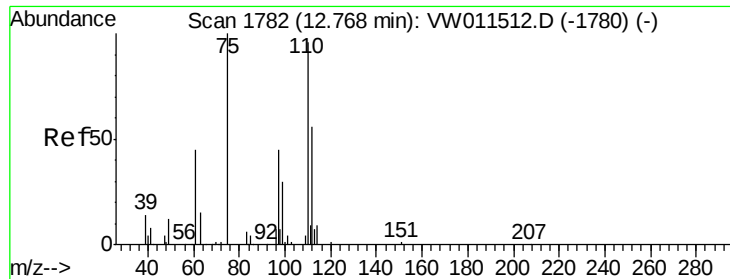
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011521.D
Acq: 26 Jul 2019 17:33

Tgt Ion:152 Resp: 135735
Ion Ratio Lower Upper
152 100
115 60.2 30.5 91.5
150 156.4 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: 58.997 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011521.D

Acq: 26 Jul 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

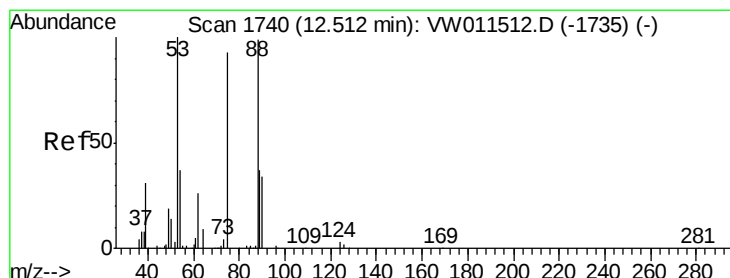
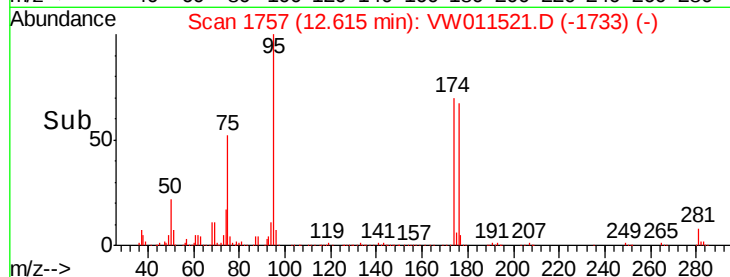
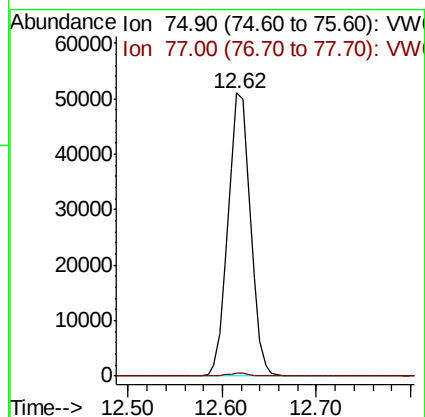
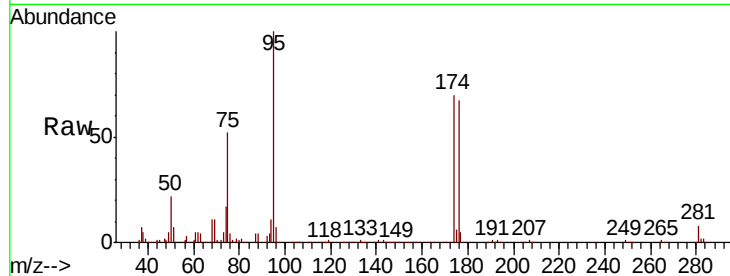
SU-03-072519-A

Tot Ion: 75 Resp: 84733

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 135.967 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011521.D

Acq: 26 Jul 2019 17:33

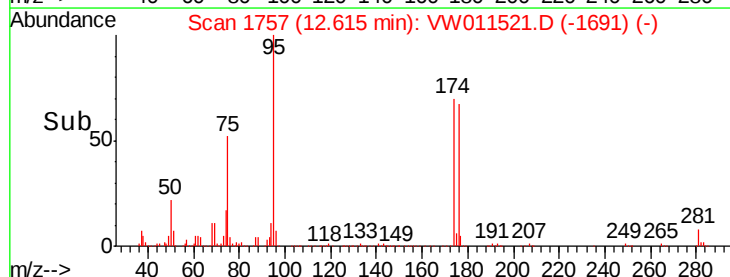
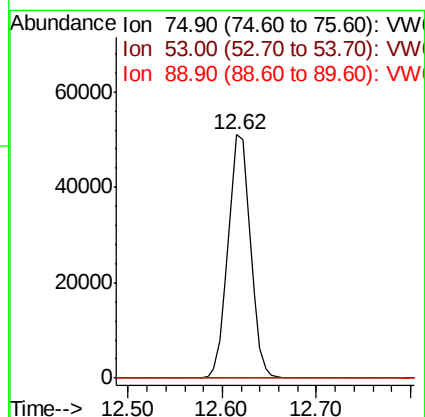
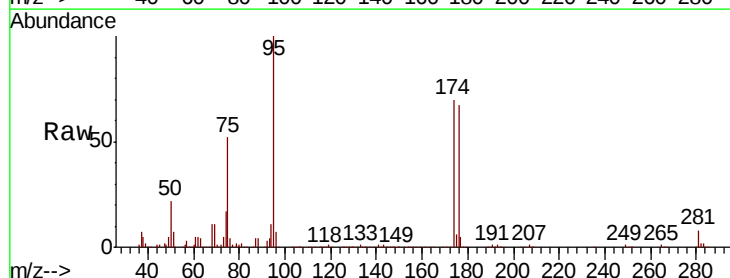
Tgt Ion: 75 Resp: 84733

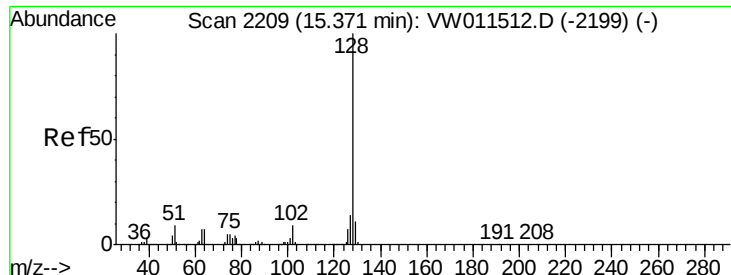
Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.1 35.3 52.9#





#95

Naphthalene

Concen: 2.218 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011521.D

Acq: 26 Jul 2019 17:33

Instrument :

MSVOA_W

ClientSampleId :

SU-03-072519-A

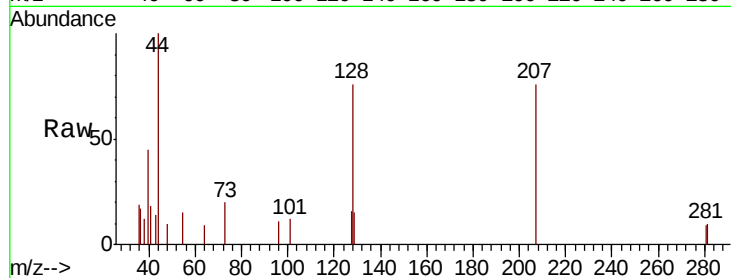
Tot Ion:128 Resp: 848

Ion Ratio Lower Upper

128 100

127 14.2 10.6 16.0

129 6.3 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

