

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080319\
 Data File : VW011651.D
 Acq On : 03 Aug 2019 06:01
 Operator : SY/VA
 Sample : K4131-18
 Misc : 6.06G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-E2-(30)

Quant Time: Aug 04 00:10:07 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	254974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	430245	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	354014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	134992	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	168270	57.47	ug/l	0.00
Spiked Amount			Recovery	=	114.94%	
35) Dibromofluoromethane	7.88	113	131959	54.67	ug/l	0.00
Spiked Amount			Recovery	=	109.34%	
50) Toluene-d8	10.32	98	530486	53.68	ug/l	0.00
Spiked Amount			Recovery	=	107.36%	
62) 4-Bromofluorobenzene	12.62	95	163856	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	

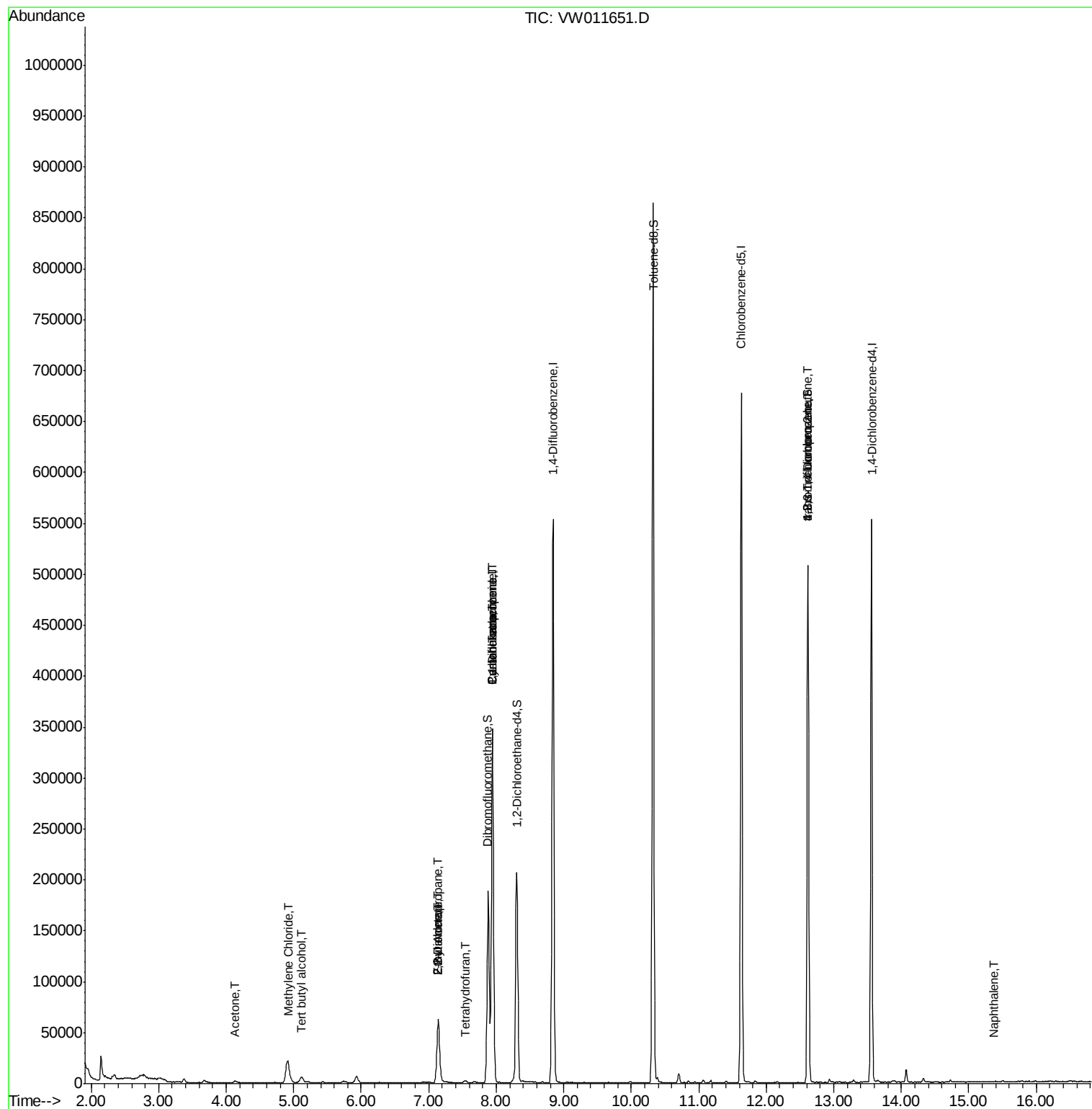
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	5467	8.044	ug/l #	74
16) Acetone	4.13	43	3154	3.387	ug/l	98
20) Methylene Chloride	4.91	84	16044	4.995	ug/l	96
25) 2-Butanone	7.15	43	4221	3.464	ug/l #	70
26) 2,2-Dichloropropane	7.14	77	4291	1.223	ug/l #	54
29) Tetrahydrofuran	7.54	42	1608	2.308	ug/l #	79
31) Cyclohexane	7.94	56	6456	1.179	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22336	4.993	ug/l #	52
37) Ethyl Acetate	7.15	43	4221	1.640	ug/l #	1
38) Carbon Tetrachloride	7.95	117	25498	6.658	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	88186	61.739	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	88186	142.287	ug/l #	6
95) Naphthalene	15.37	128	105	2.085	ug/l #	69

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
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: VW011651.D

Acq: 03 Aug 2019 06:01

Instrument :

MSVOA_W

ClientSampleId :

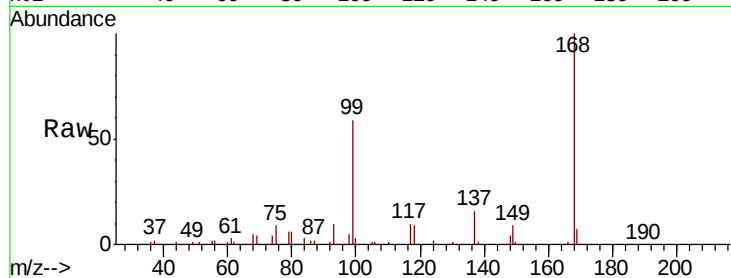
1S-E2-(30)

Tgt Ion:168 Resp: 254974

Ion Ratio Lower Upper

168 100

99 59.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

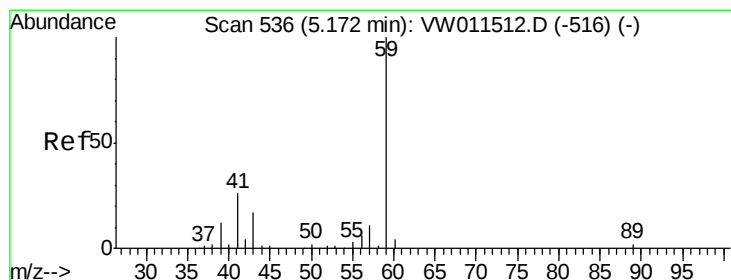
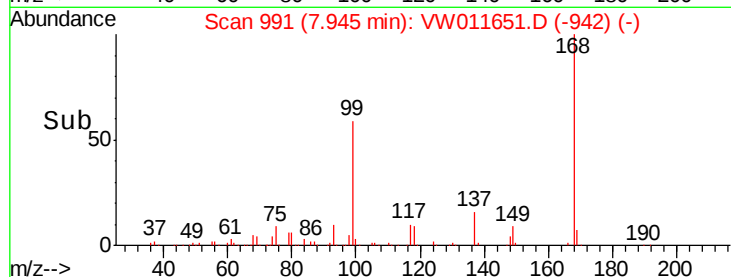
7.95

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 8.044 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011651.D

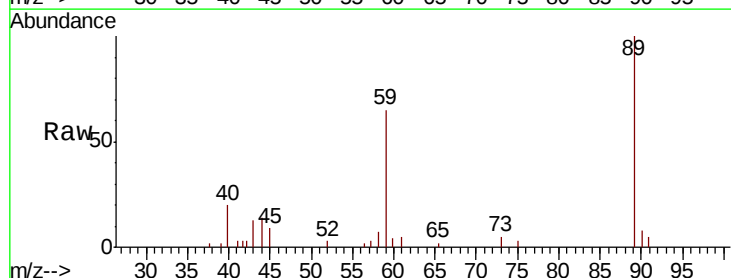
Acq: 03 Aug 2019 06:01

Tgt Ion: 59 Resp: 5467

Ion Ratio Lower Upper

59 100

57 0.9 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

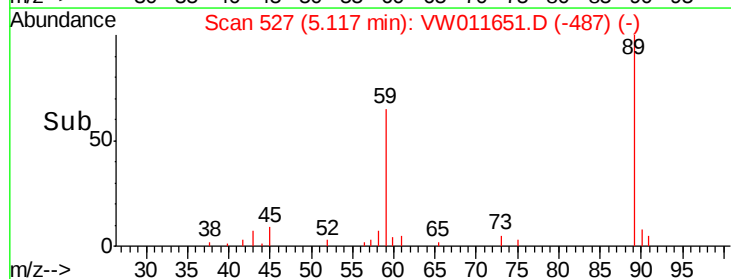
1500

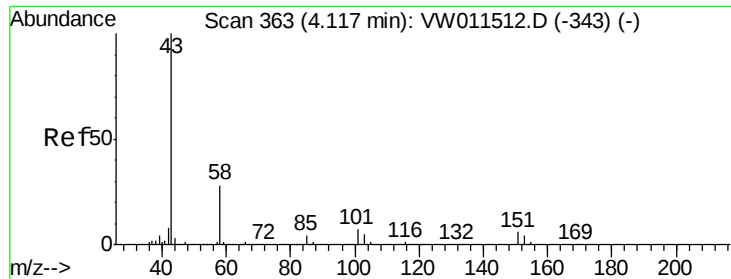
1000

500

0

Time-->





#16

Acetone

Concen: 3.387 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011651.D

Acq: 03 Aug 2019 06:01

Instrument :

MSVOA_W

ClientSampleId :

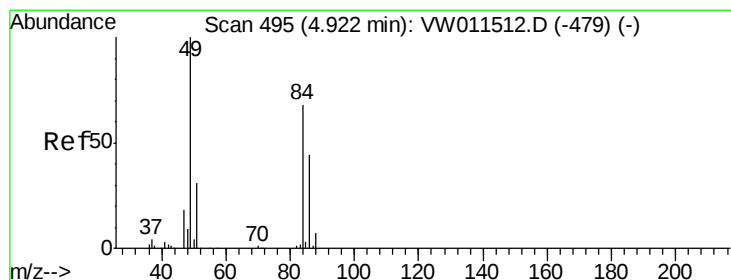
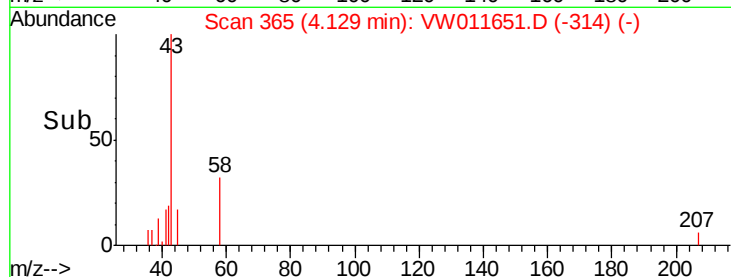
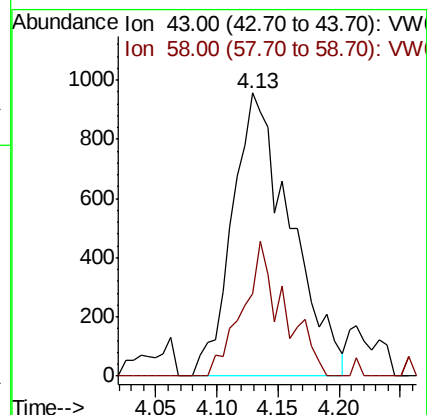
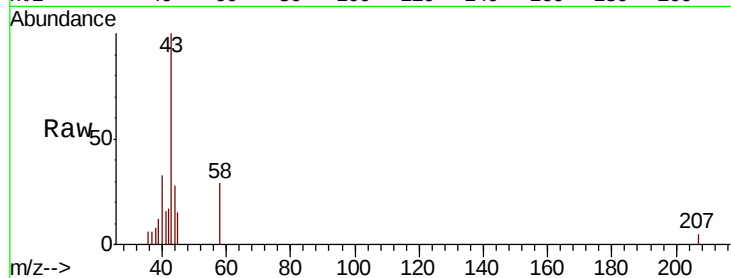
1S-E2-(30)

Tgt Ion: 43 Resp: 3154

Ion Ratio Lower Upper

43 100

58 29.1 22.3 33.5



#20

Methylene Chloride

Concen: 4.995 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011651.D

Acq: 03 Aug 2019 06:01

Tgt Ion: 84 Resp: 16044

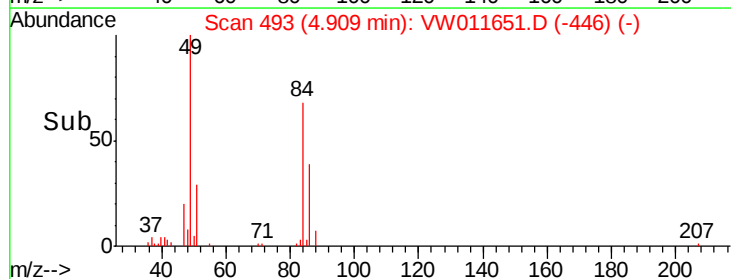
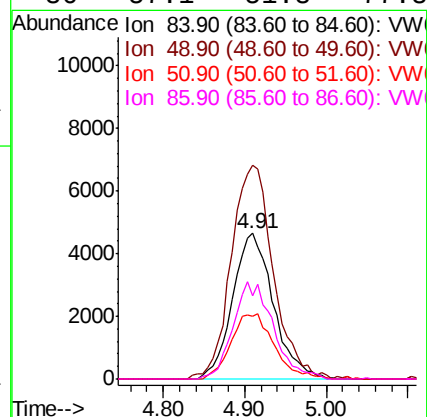
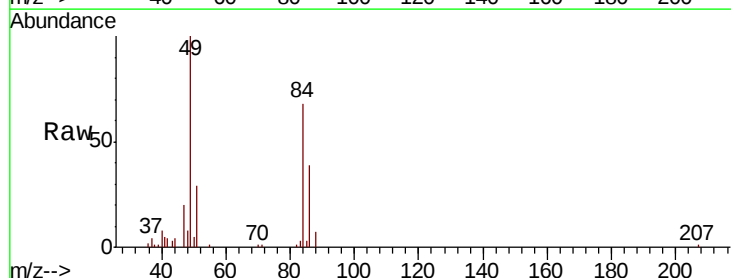
Ion Ratio Lower Upper

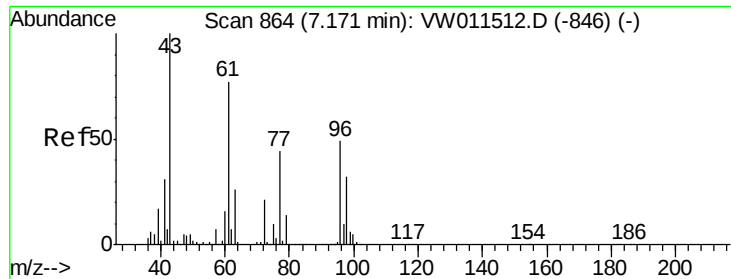
84 100

49 145.7 117.8 176.6

51 43.3 37.0 55.4

86 57.1 51.8 77.8





#25

2-Butanone

Concen: 3.464 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011651.D

Acq: 03 Aug 2019 06:01

Instrument :

MSVOA_W

ClientSampled :

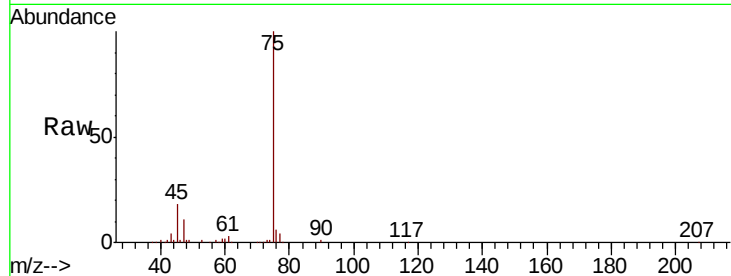
1S-E2-(30)

Tgt Ion: 43 Resp: 4221

Ion Ratio Lower Upper

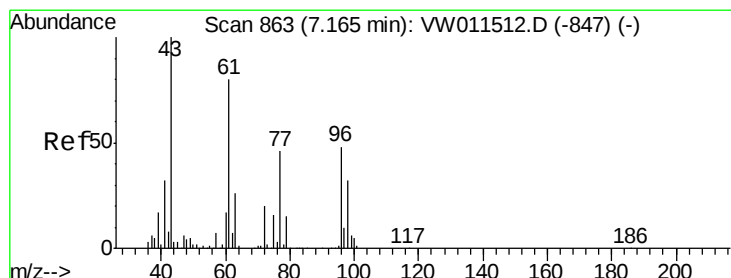
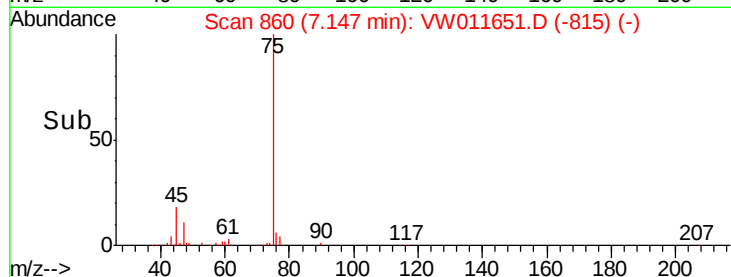
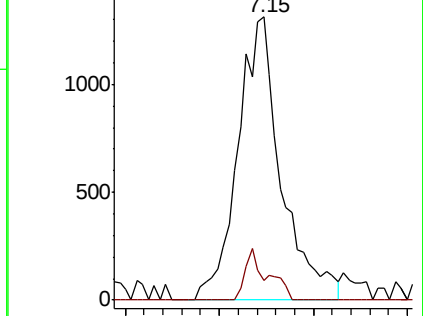
43 100

72 6.9 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: 1.223 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011651.D

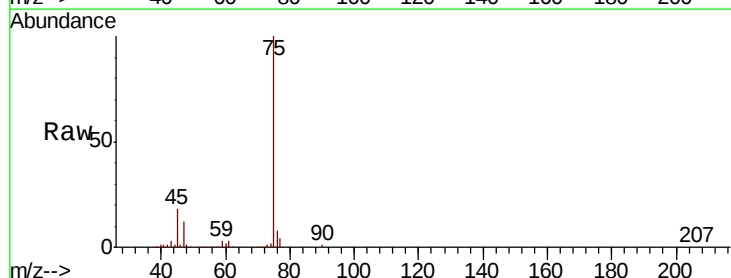
Acq: 03 Aug 2019 06:01

Tgt Ion: 77 Resp: 4291

Ion Ratio Lower Upper

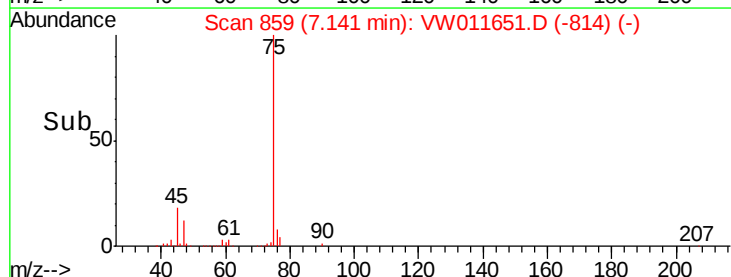
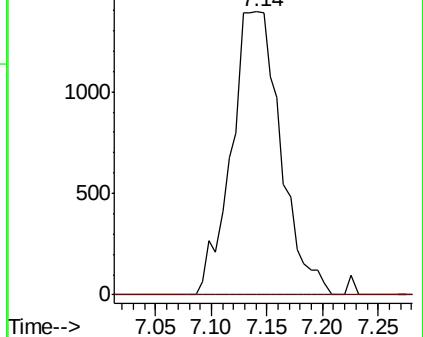
77 100

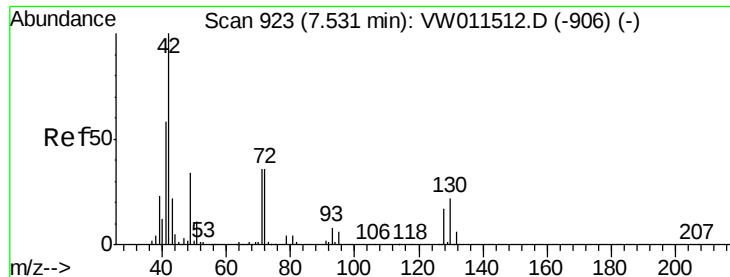
97 0.0 10.8 32.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

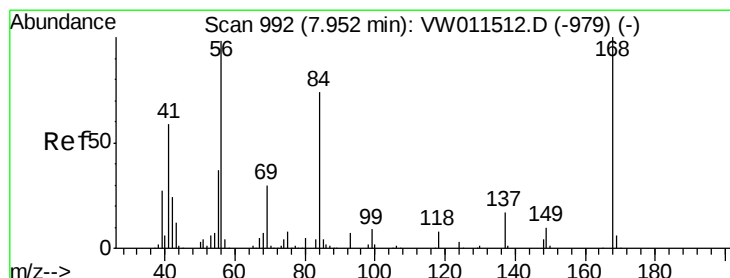
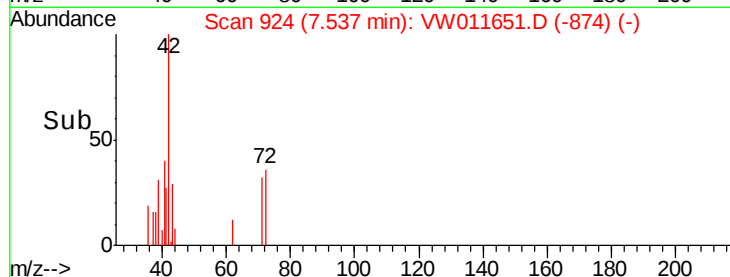
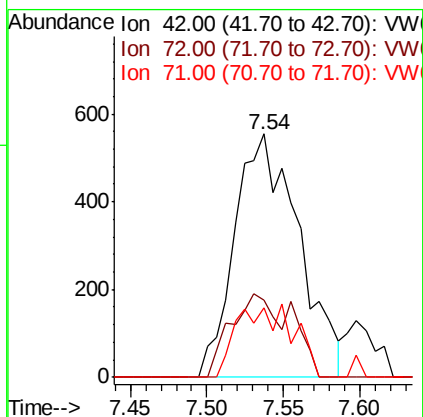
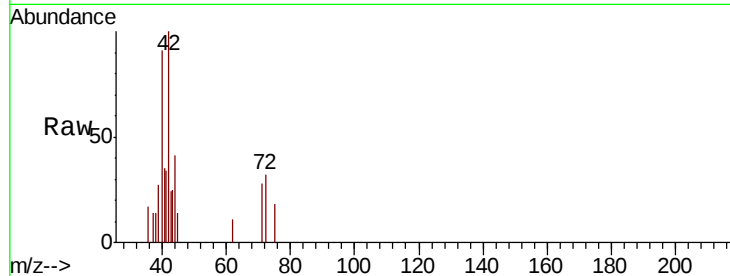




#29
Tetrahydrofuran
Concen: 2.308 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW011651.D
Acq: 03 Aug 2019 06:01

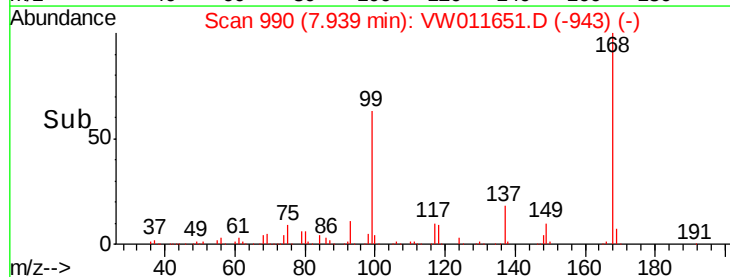
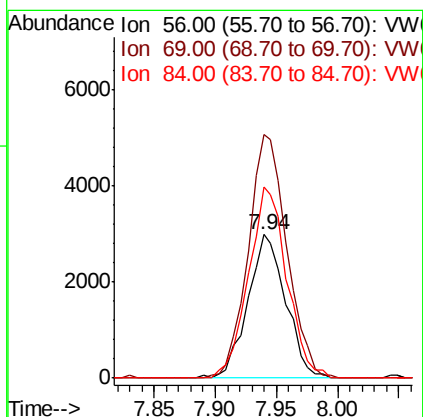
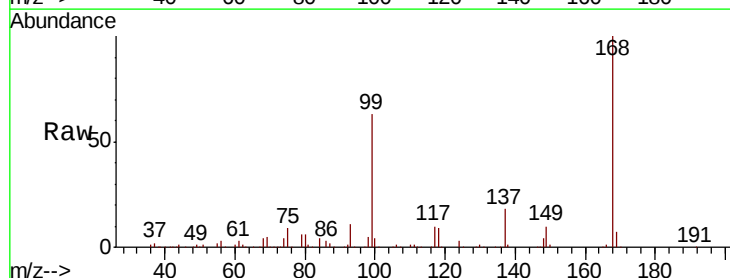
Instrument :
MSVOA_W
ClientSampleId :
1S-E2-(30)

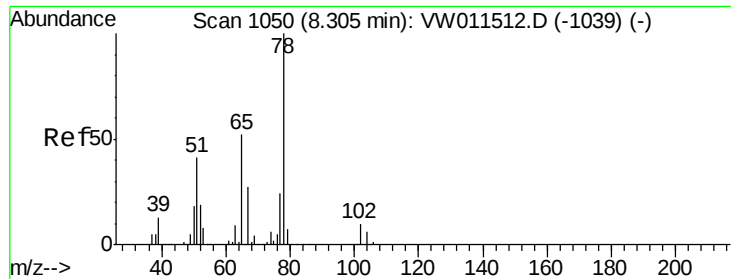
Tgt Ion: 42 Resp: 1608
Ion Ratio Lower Upper
42 100
72 32.1 27.1 40.7
71 10.4 26.2 39.4#



#31
Cyclohexane
Concen: 1.179 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011651.D
Acq: 03 Aug 2019 06:01

Tgt Ion: 56 Resp: 6456
Ion Ratio Lower Upper
56 100
69 169.6 24.3 36.5#
84 133.4 60.4 90.6#

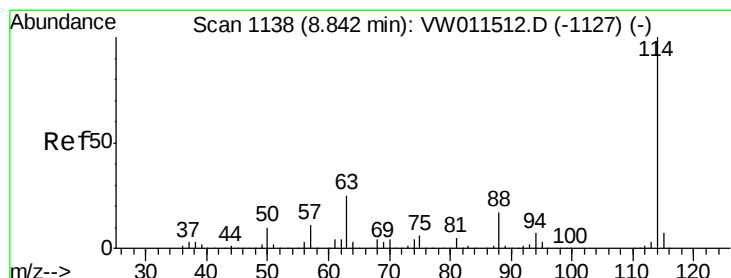
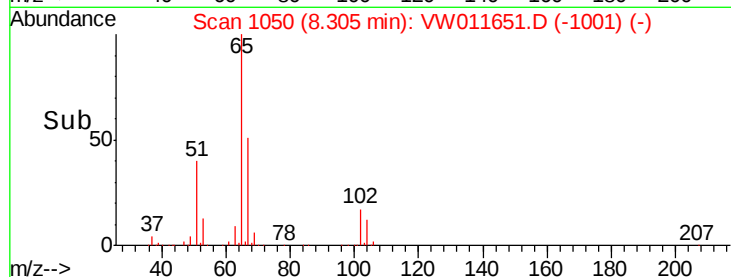
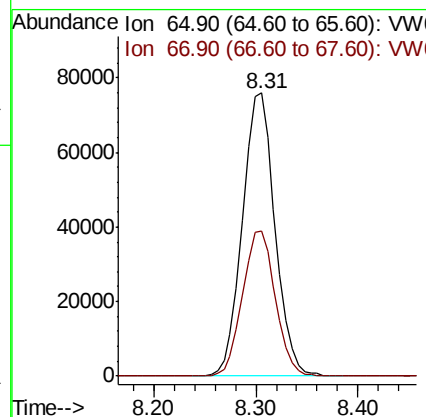
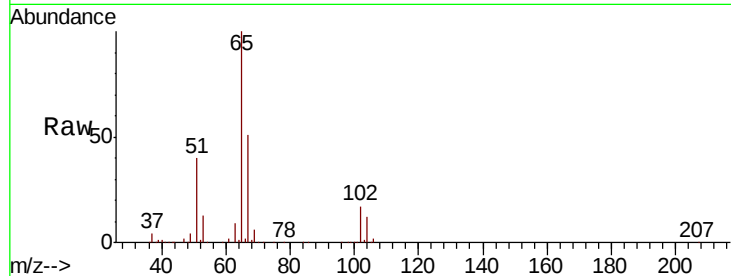




#33
 1,2-Dichloroethane-d4
 Concen: 57.473 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011651.D
 Acq: 03 Aug 2019 06:01

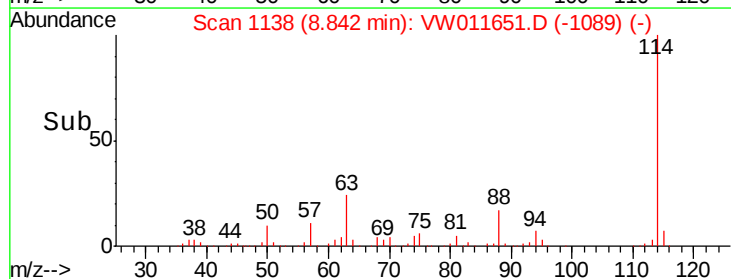
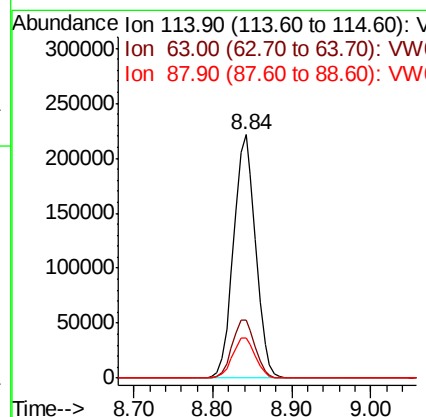
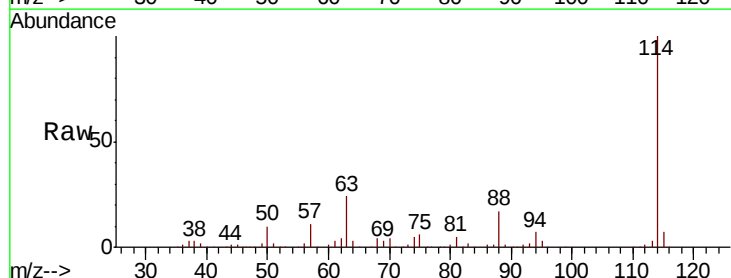
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-E2-(30)

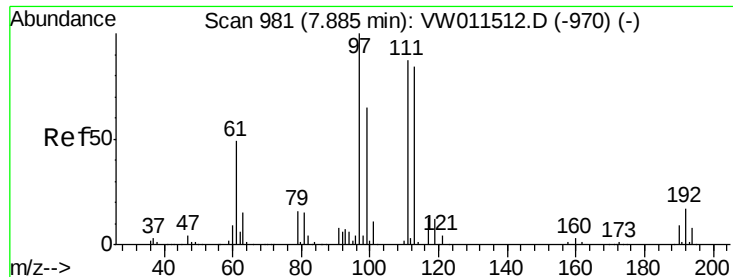
Tgt Ion: 65 Resp: 168270
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011651.D
 Acq: 03 Aug 2019 06:01

Tgt Ion: 114 Resp: 430245
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 49.2
 88 16.7 0.0 33.8

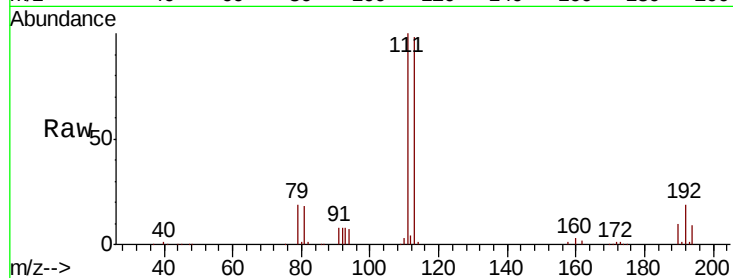




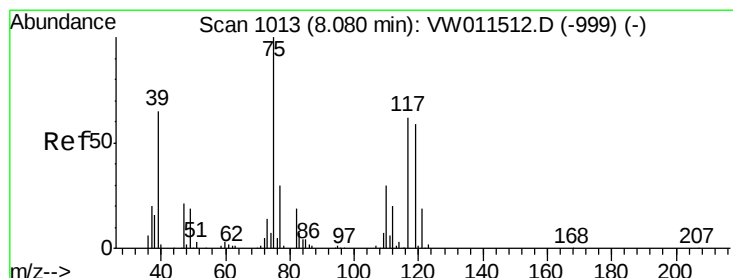
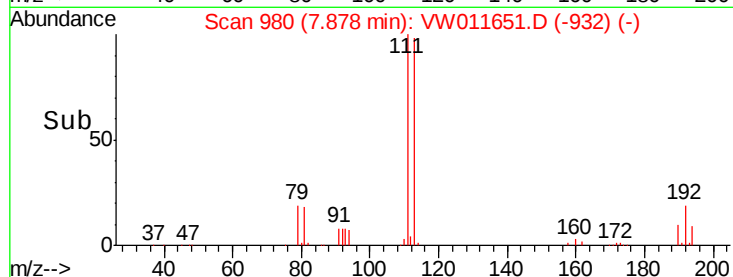
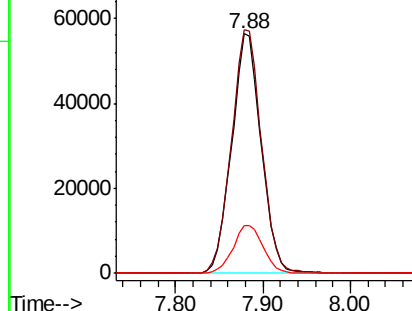
#35
Dibromofluoromethane
Concen: 54.670 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW011651.D
Acq: 03 Aug 2019 06:01

Instrument :
MSVOA_W
ClientSampleId :
1S-E2-(30)

Tgt Ion:113 Resp: 131959
Ion Ratio Lower Upper
113 100
111 103.7 82.7 124.1
192 20.4 16.1 24.1

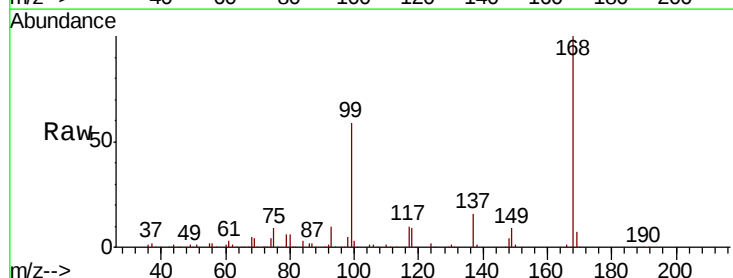


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

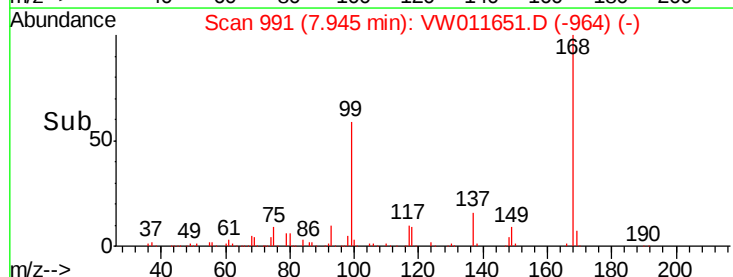
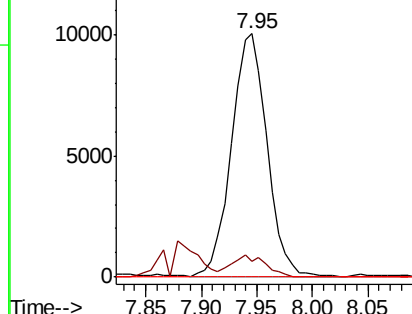


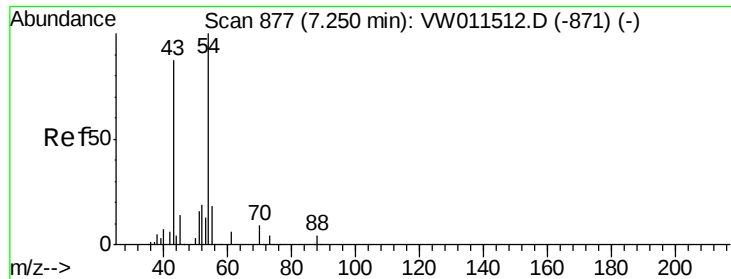
#36
1,1-Dichloropropene
Concen: 4.993 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW011651.D
Acq: 03 Aug 2019 06:01

Tgt Ion: 75 Resp: 22336
Ion Ratio Lower Upper
75 100
110 8.5 15.6 46.8#
77 0.0 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 1.640 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.10 min

Lab File: VW011651.D

Acq: 03 Aug 2019 06:01

Instrument :

MSVOA_W

ClientSampleId :

1S-E2-(30)

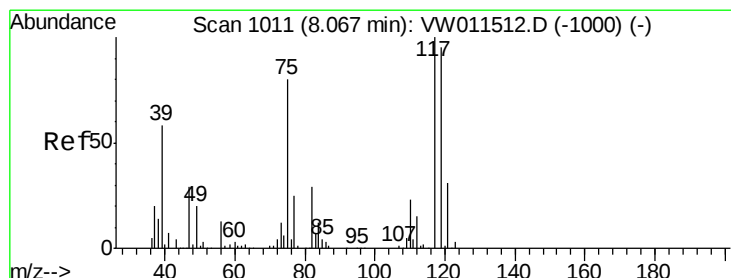
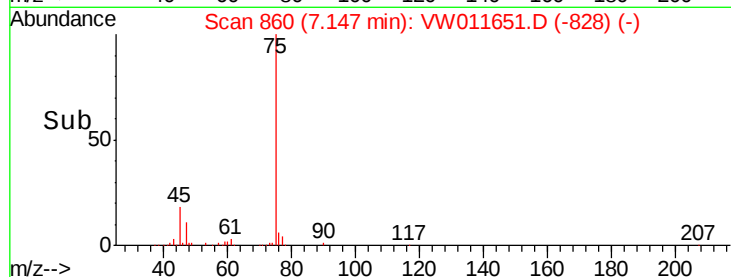
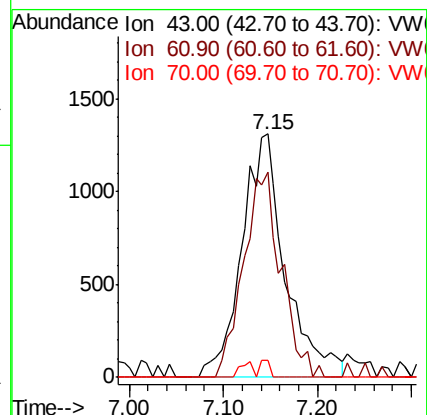
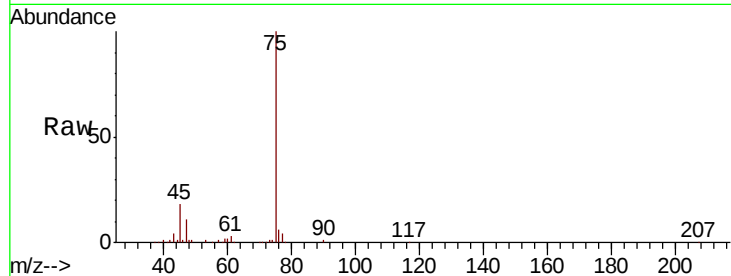
Tgt Ion: 43 Resp: 4221

Ion Ratio Lower Upper

43 100

61 73.4 8.8 13.2#

70 1.6 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.658 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011651.D

Acq: 03 Aug 2019 06:01

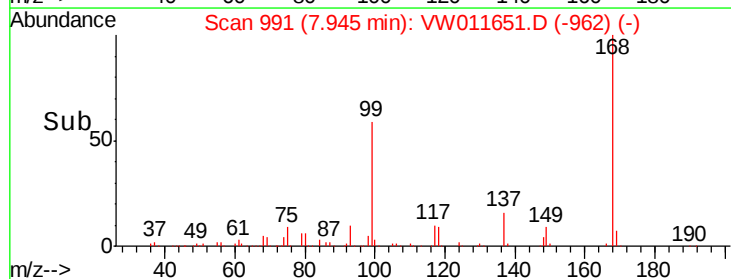
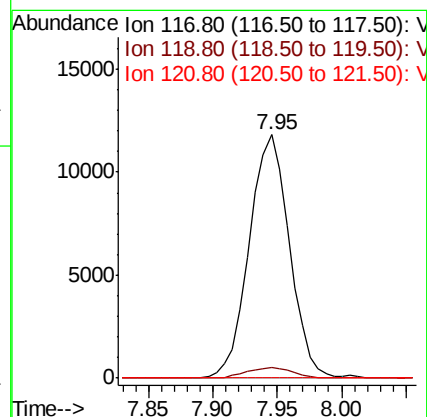
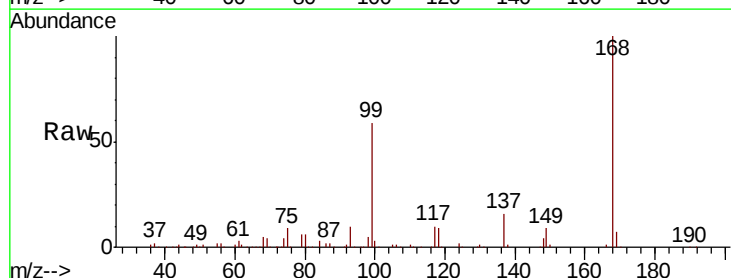
Tgt Ion: 117 Resp: 25498

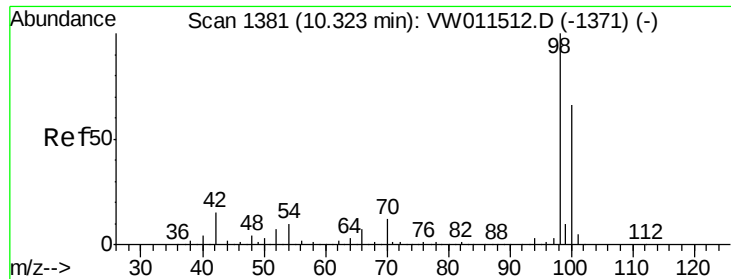
Ion Ratio Lower Upper

117 100

119 4.1 75.8 113.6#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 53.679 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011651.D

Acq: 03 Aug 2019 06:01

Instrument :

MSVOA_W

ClientSampleId :

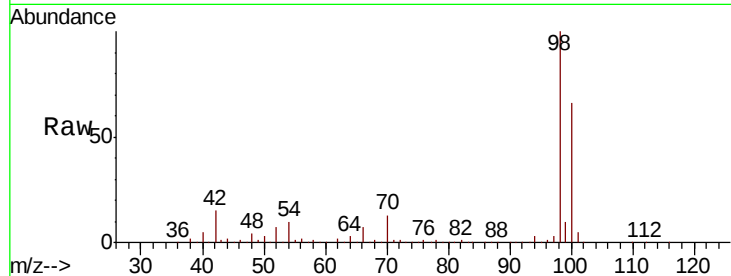
1S-E2-(30)

Tgt Ion: 98 Resp: 530486

Ion Ratio Lower Upper

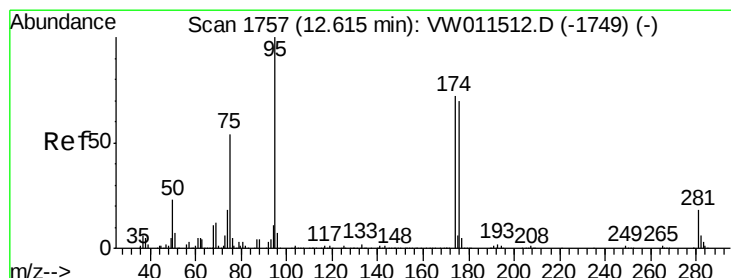
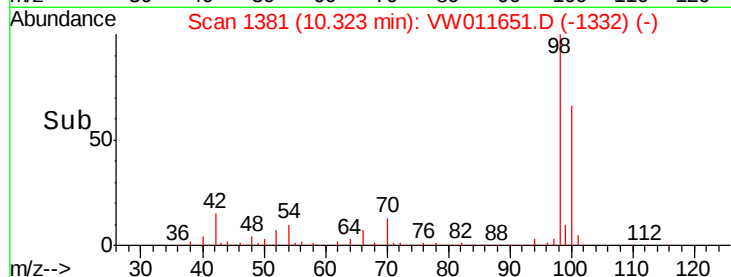
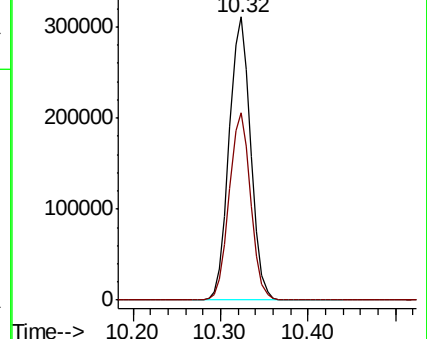
98 100

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: 46.506 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011651.D

Acq: 03 Aug 2019 06:01

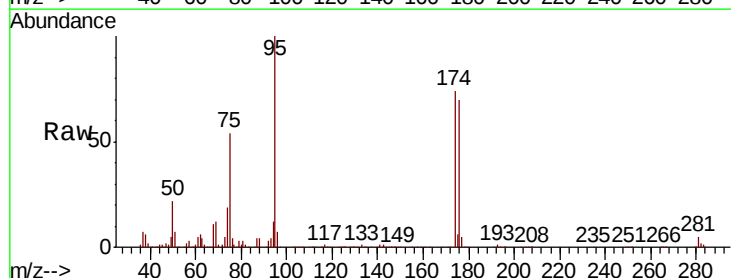
Tgt Ion: 95 Resp: 163856

Ion Ratio Lower Upper

95 100

174 75.9 0.0 150.2

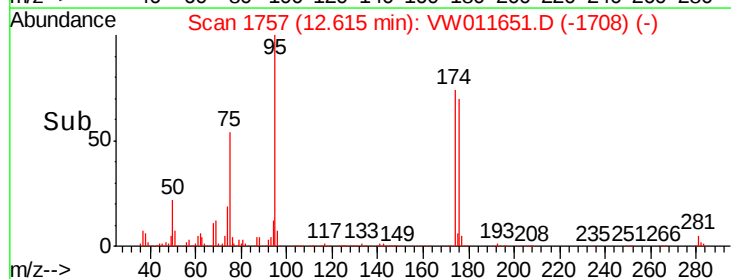
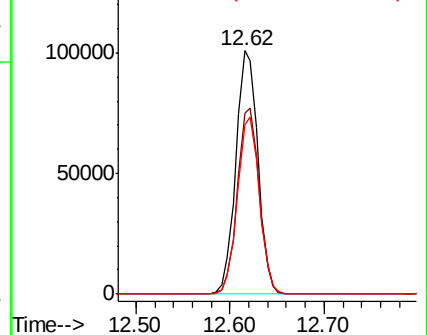
176 72.6 0.0 144.4

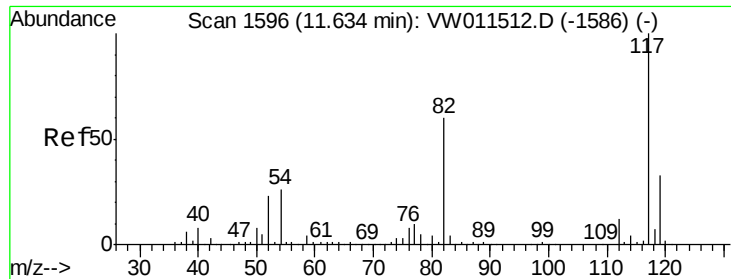


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

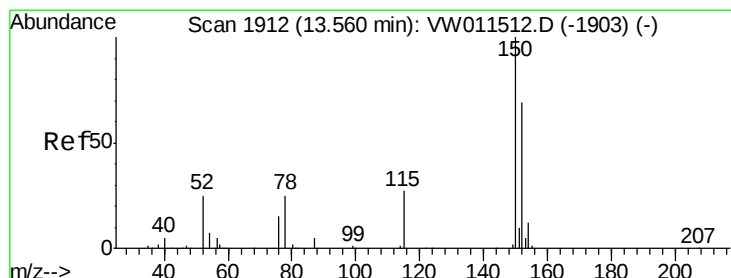
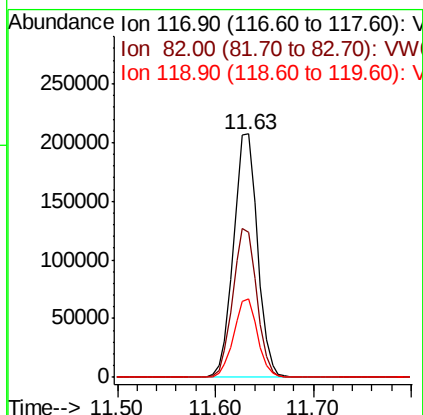
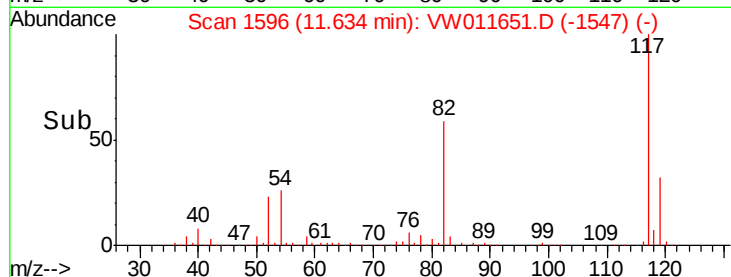
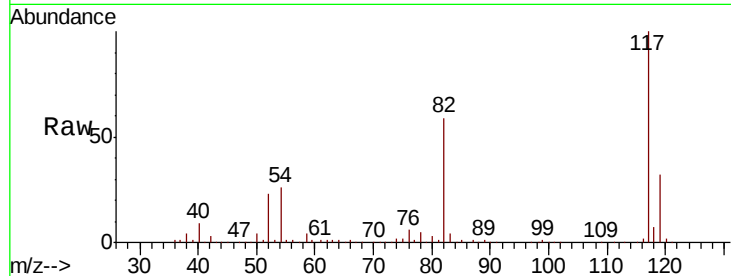




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011651.D
Acq: 03 Aug 2019 06:01

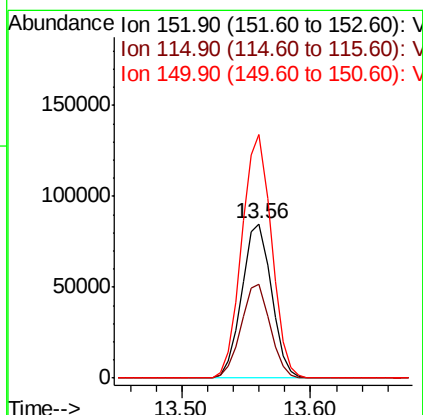
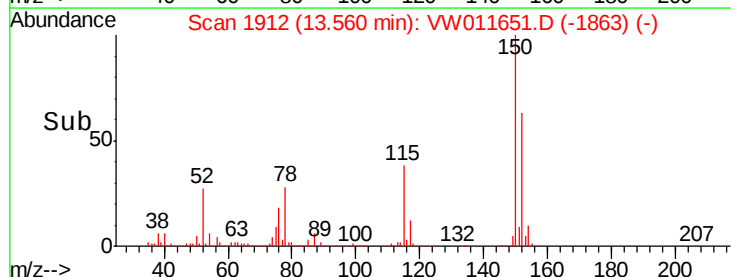
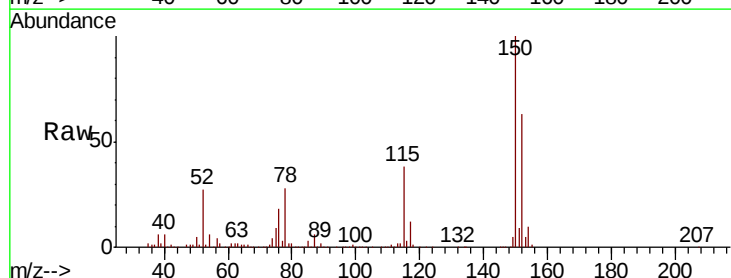
Instrument :
MSVOA_W
ClientSampleId :
1S-E2-(30)

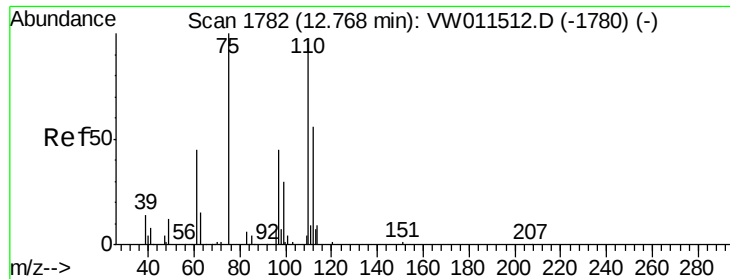
Tgt Ion:117 Resp: 354014
Ion Ratio Lower Upper
117 100
82 59.4 47.9 71.9
119 32.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011651.D
Acq: 03 Aug 2019 06:01

Tgt Ion:152 Resp: 134992
Ion Ratio Lower Upper
152 100
115 59.9 30.5 91.5
150 157.8 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 61.739 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011651.D

Acq: 03 Aug 2019 06:01

Instrument :

MSVOA_W

ClientSampleId :

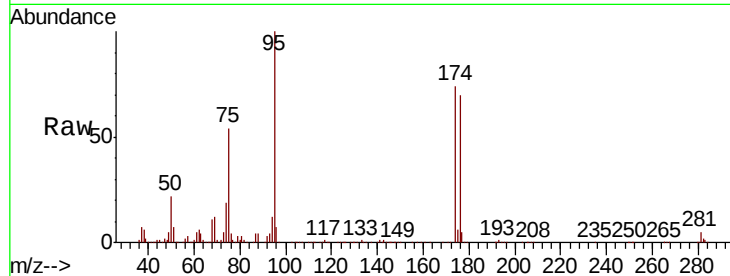
1S-E2-(30)

Tgt Ion: 75 Resp: 88186

Ion Ratio Lower Upper

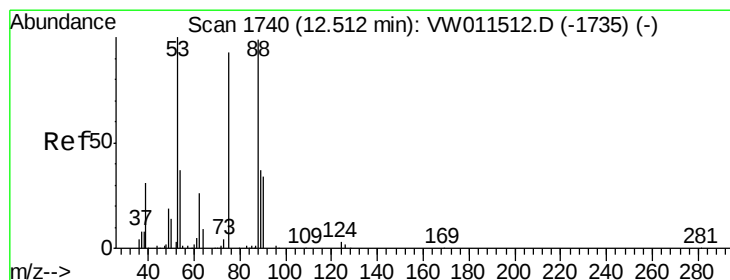
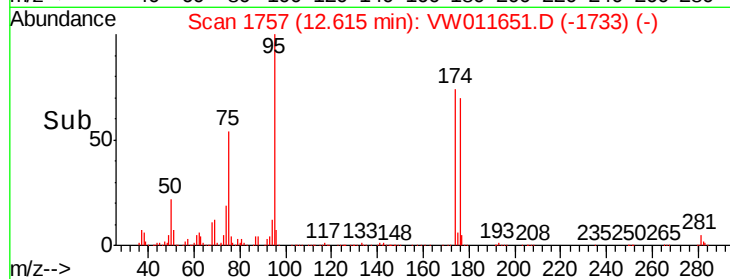
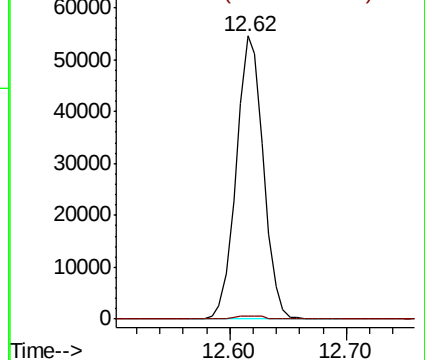
75 100

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: 142.287 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011651.D

Acq: 03 Aug 2019 06:01

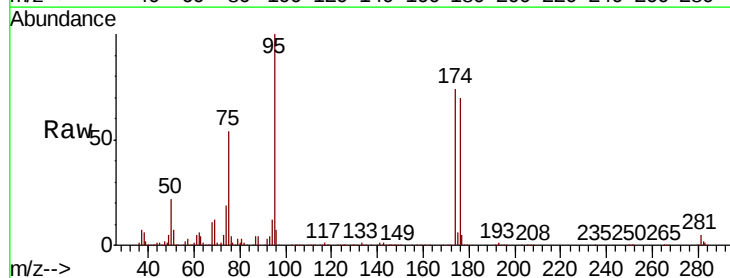
Tgt Ion: 75 Resp: 88186

Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

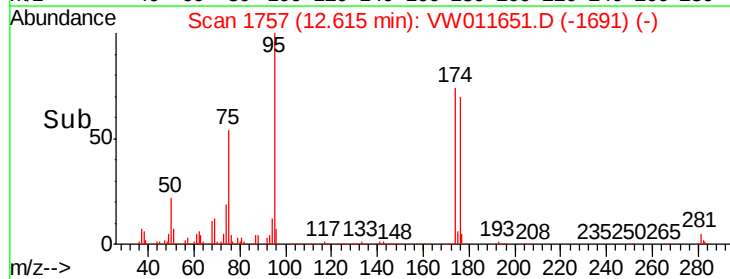
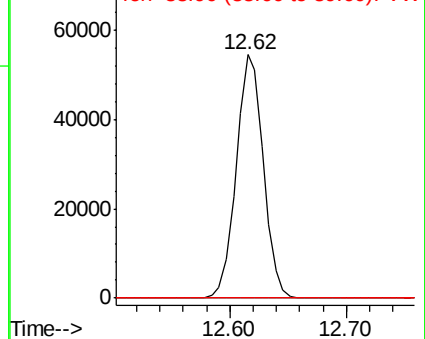
89 0.2 35.3 52.9#

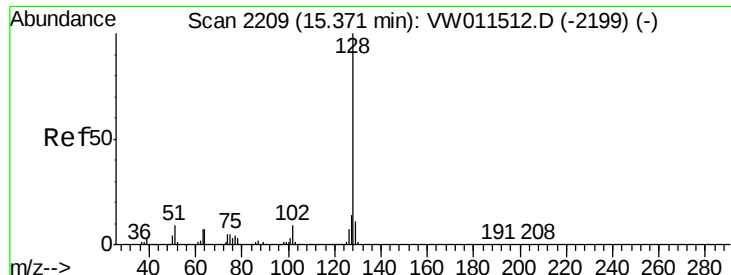


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 2.085 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011651.D

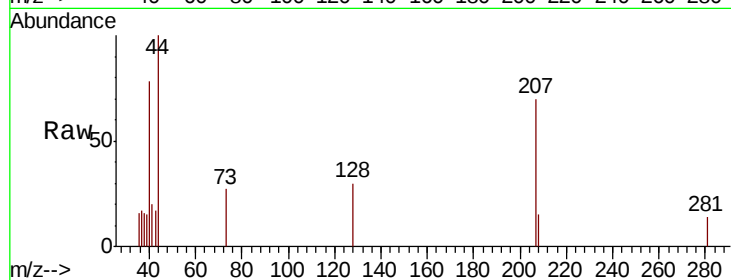
Acq: 03 Aug 2019 06:01

Instrument :

MSVOA_W

ClientSampleId :

1S-E2-(30)



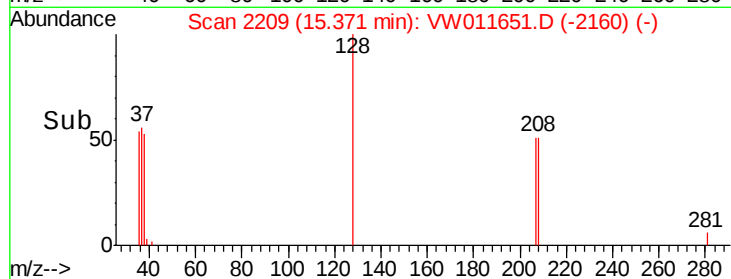
Tgt Ion:128 Resp: 105

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

