

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012252.D
 Acq On : 28 Aug 2019 14:24
 Operator : SY/VA
 Sample : K4521-03RE
 Misc : 4.08G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 28 17:26:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	243331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	399098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	328918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	135226	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	133412	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	
35) Dibromofluoromethane	7.88	113	113965	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
50) Toluene-d8	10.32	98	483228	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.62	95	156761	46.04	ug/l	0.00
Spiked Amount			Recovery	=	92.08%	

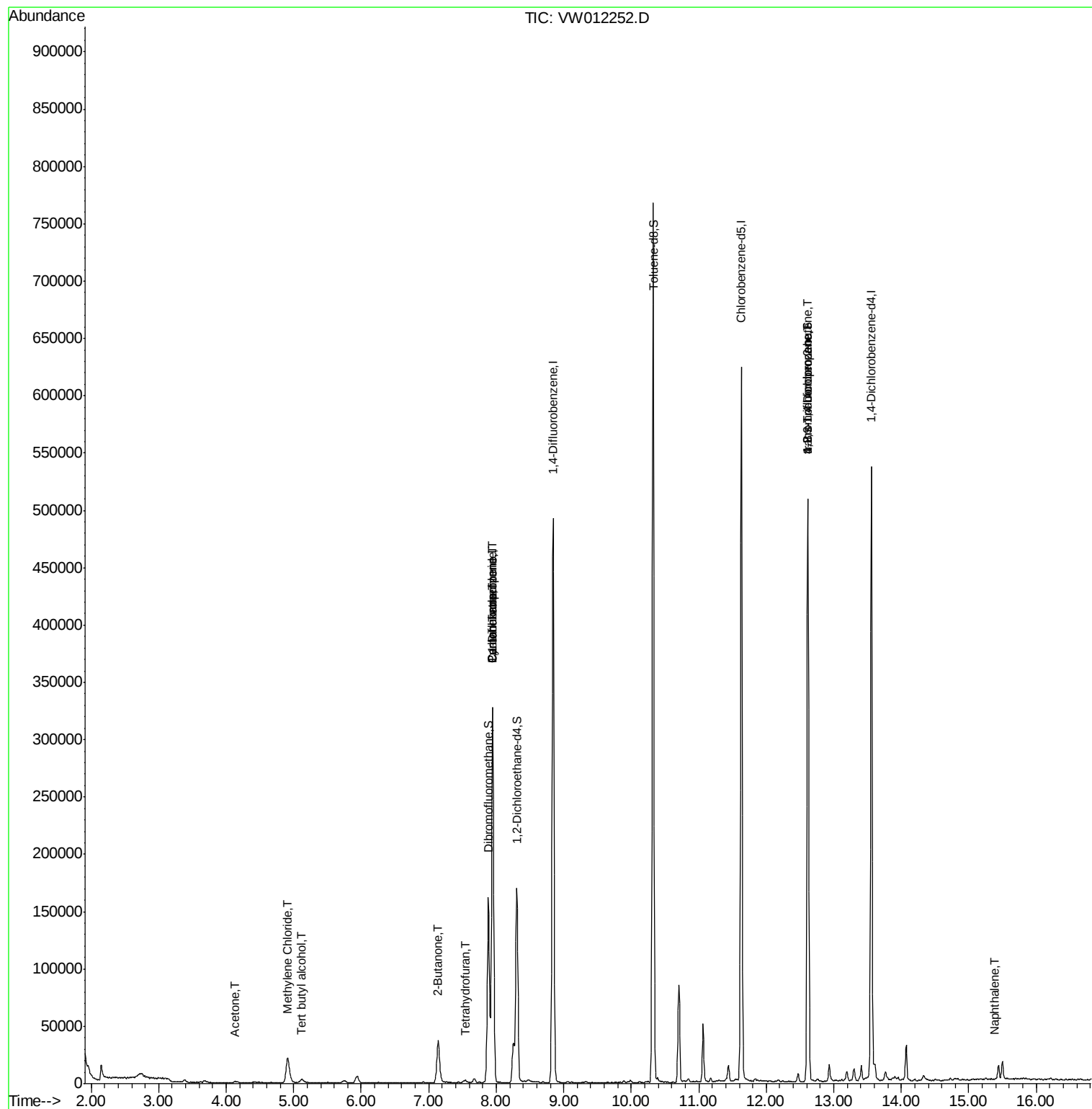
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	2881	16.550	ug/l #	71
16) Acetone	4.14	43	2182	2.951	ug/l #	85
20) Methylene Chloride	4.92	84	16156	5.780	ug/l	98
25) 2-Butanone	7.14	43	2468	2.456	ug/l #	79
29) Tetrahydrofuran	7.54	42	1811	3.004	ug/l	93
31) Cyclohexane	7.95	56	6159	1.182	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20718	5.024	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23749	6.653	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	82535	62.669	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	82535	137.403	ug/l #	6
95) Naphthalene	15.38	128	514	4.413	ug/l #	69

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW012252.D

Acq: 28 Aug 2019 14:24

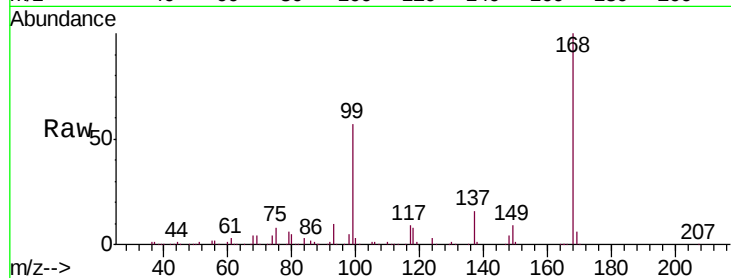
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 243331

Ion Ratio Lower Upper

168 100

99 56.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

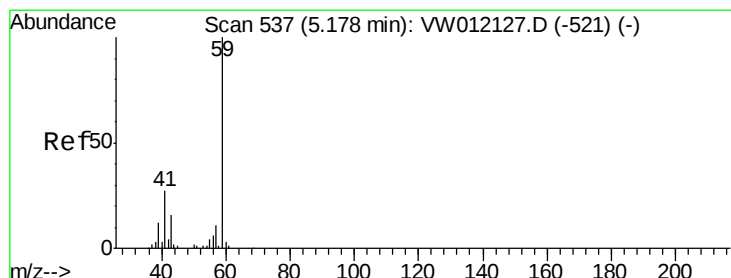
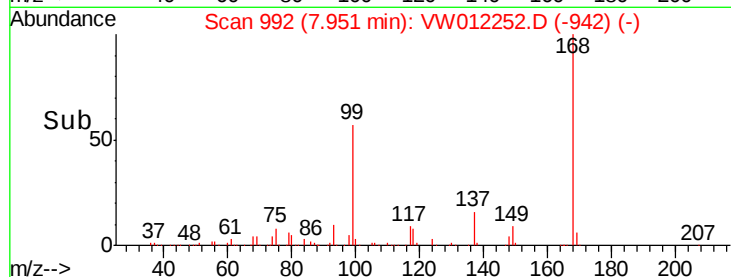
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 16.550 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.06 min

Lab File: VW012252.D

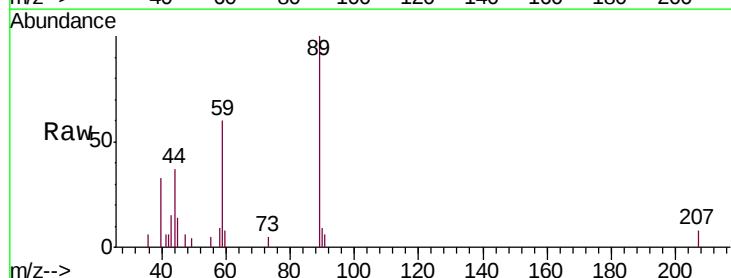
Acq: 28 Aug 2019 14:24

Tgt Ion: 59 Resp: 2881

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

800

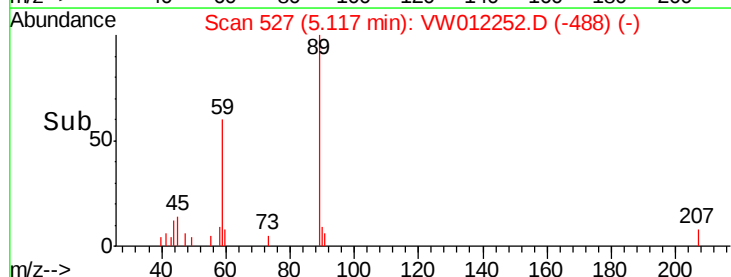
600

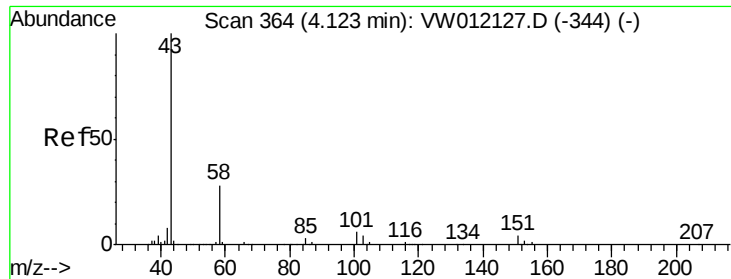
400

200

0

Time-->

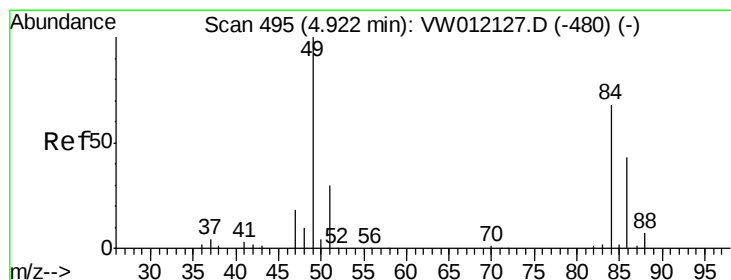
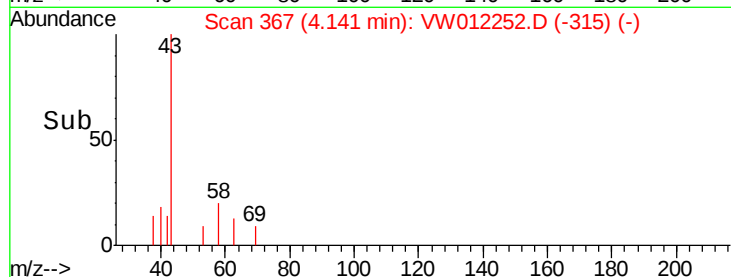
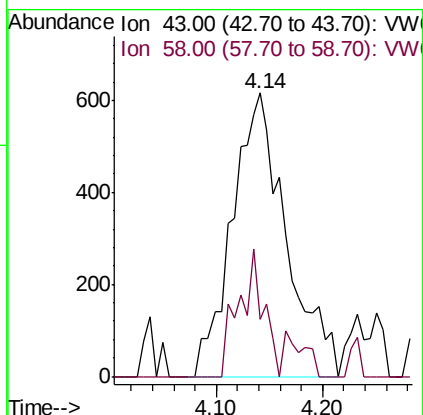
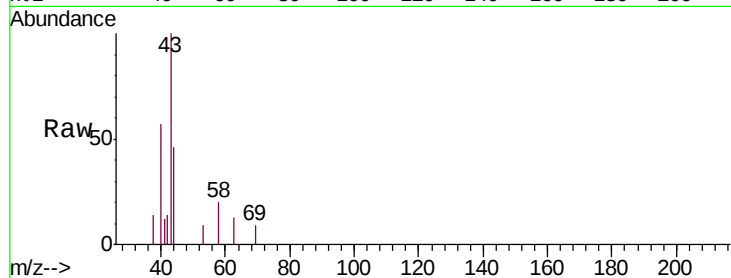




#16
Acetone
Concen: 2.951 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012252.D
Acq: 28 Aug 2019 14:24

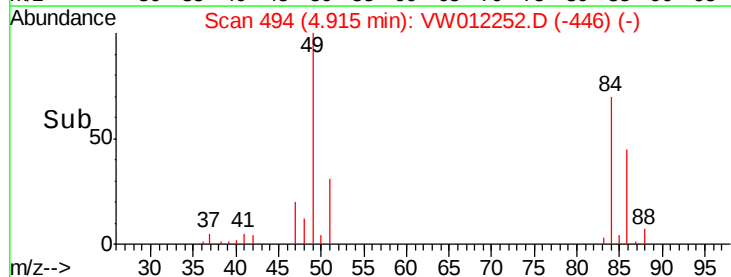
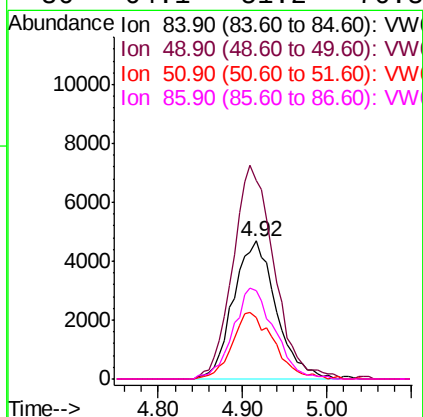
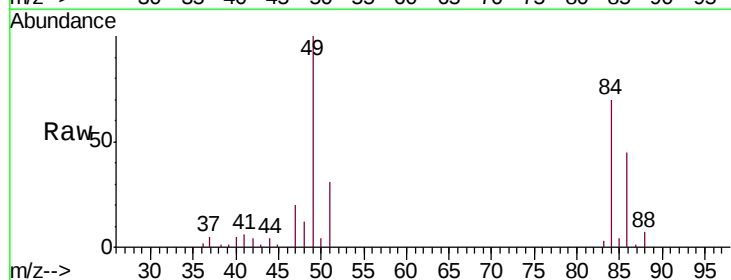
Instrument :
MSVOA_W
ClientSampleId :

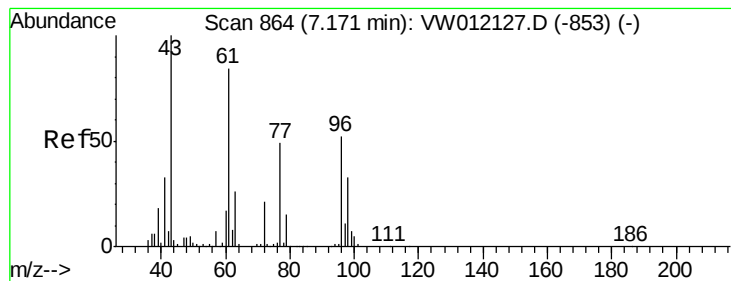
Tot Ion: 43 Resp: 2182
Ion Ratio Lower Upper
43 100
58 20.1 22.4 33.6#



#20
Methylene Chloride
Concen: 5.780 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012252.D
Acq: 28 Aug 2019 14:24

Tgt Ion: 84 Resp: 16156
Ion Ratio Lower Upper
84 100
49 143.3 117.8 176.8
51 44.5 35.6 53.4
86 64.1 51.2 76.8





#25

2-Butanone

Concen: 2.456 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW012252.D

Acq: 28 Aug 2019 14:24

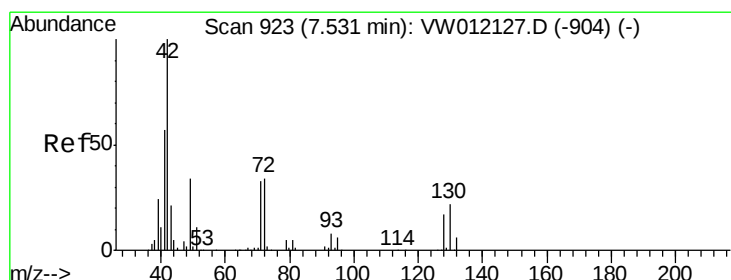
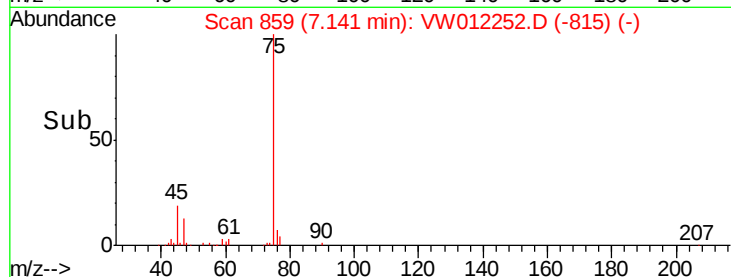
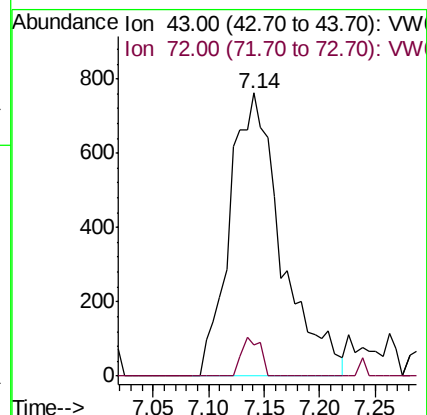
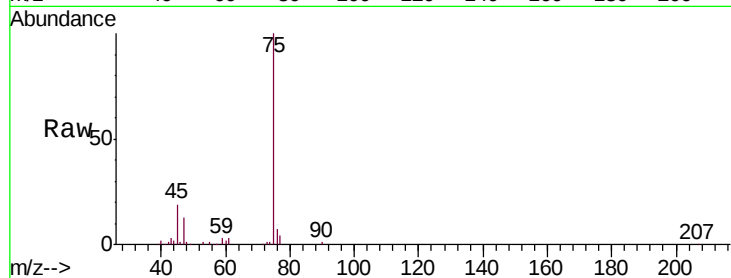
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 2468

Ion Ratio Lower Upper

43 100

72 10.9 16.6 24.8#



#29

Tetrahydrofuran

Concen: 3.004 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012252.D

Acq: 28 Aug 2019 14:24

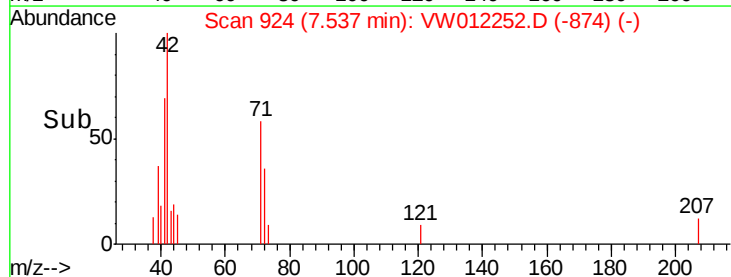
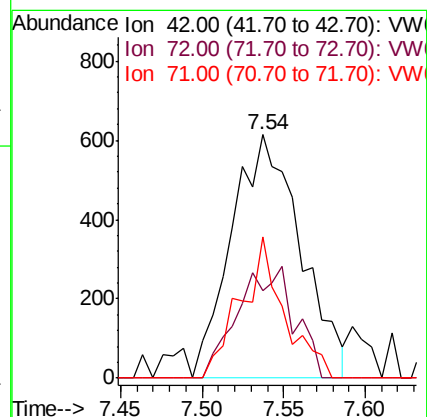
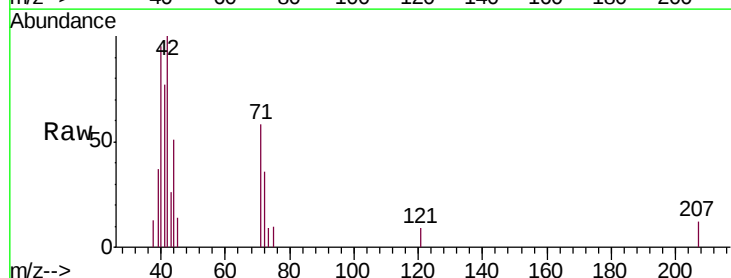
Tgt Ion: 42 Resp: 1811

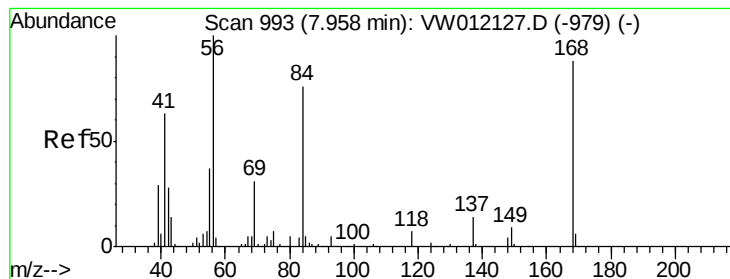
Ion Ratio Lower Upper

42 100

72 37.4 27.3 40.9

71 36.8 25.5 38.3





#31

Cvclohexane

Concen: 1.182 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012252.D

Acq: 28 Aug 2019 14:24

Instrument :
MSVOA_W
ClientSampled :

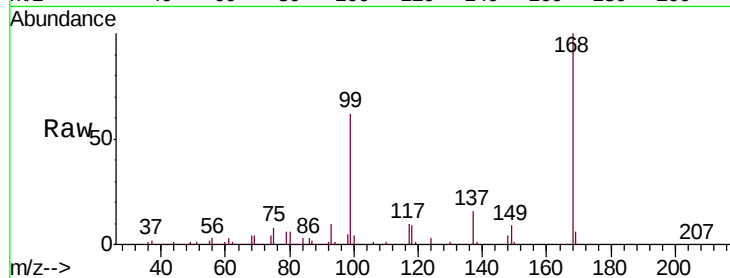
Tot Ion: 56 Resp: 6159

Ion Ratio Lower Upper

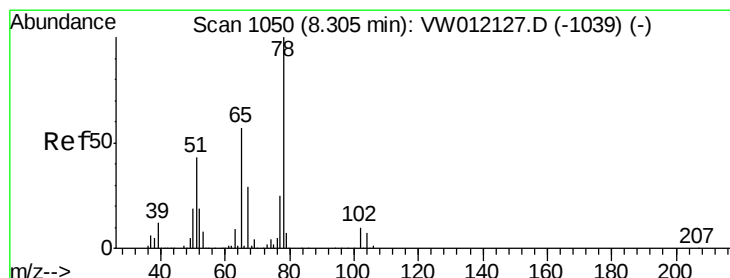
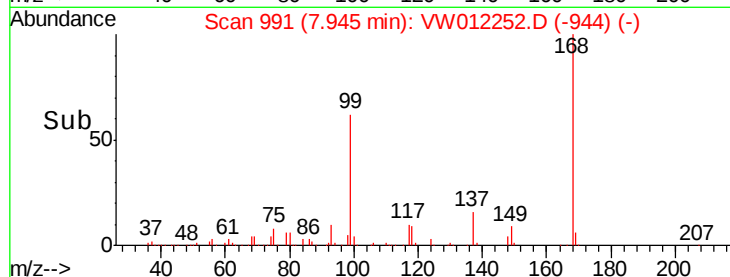
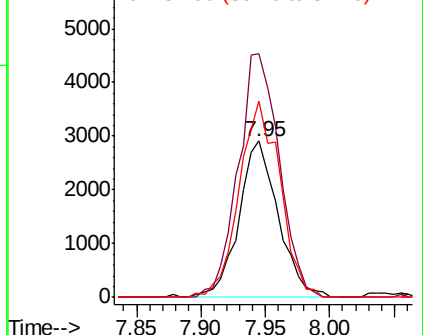
56 100

69 155.8 24.9 37.3#

84 125.8 60.6 90.8#



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: 46.122 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012252.D

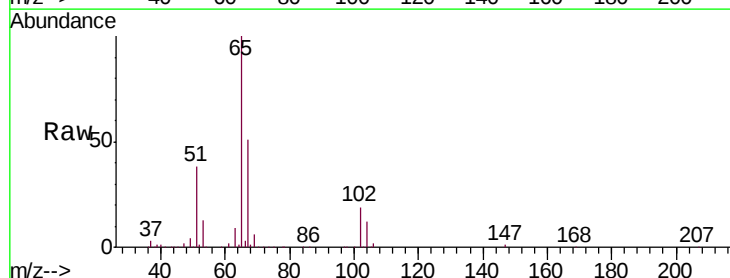
Acq: 28 Aug 2019 14:24

Tgt Ion: 65 Resp: 133412

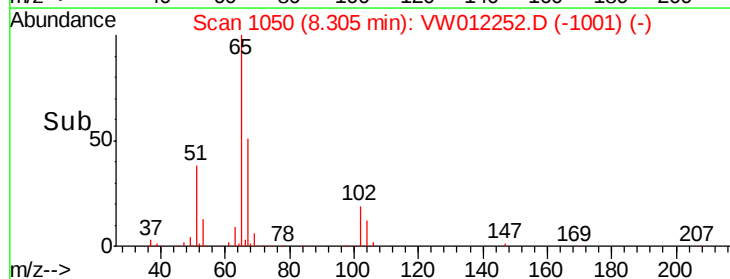
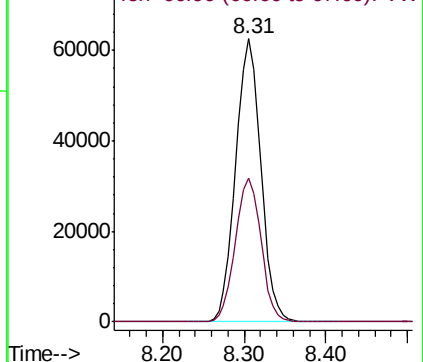
Ion Ratio Lower Upper

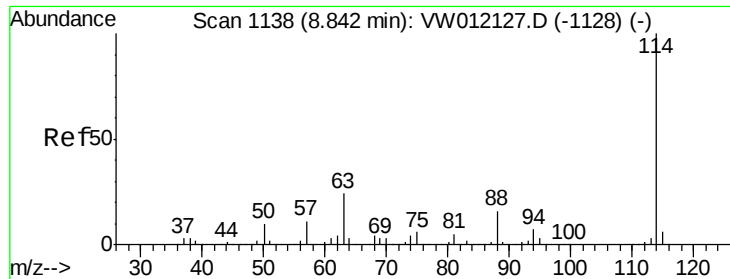
65 100

67 51.7 0.0 102.6



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

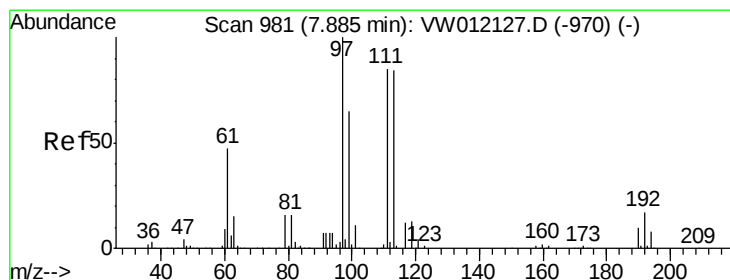
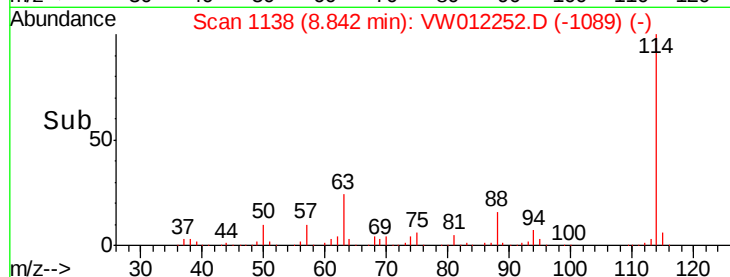
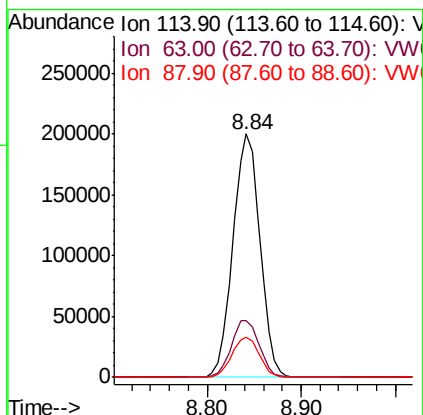
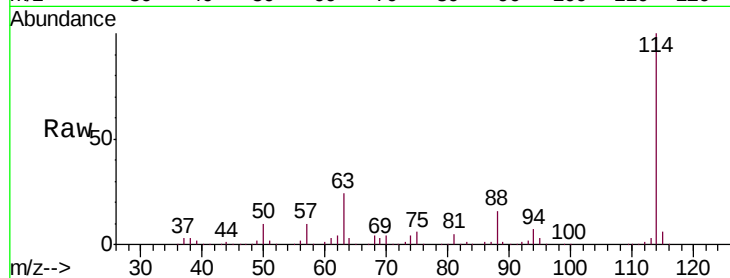




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012252.D
 Acq: 28 Aug 2019 14:24

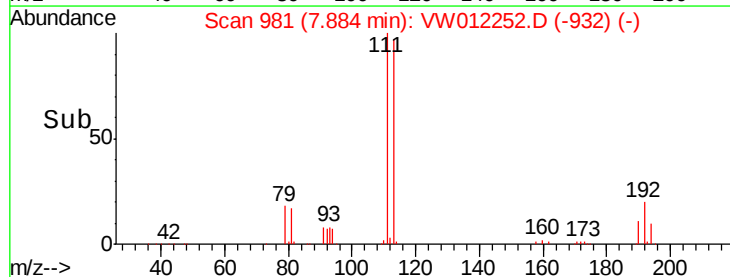
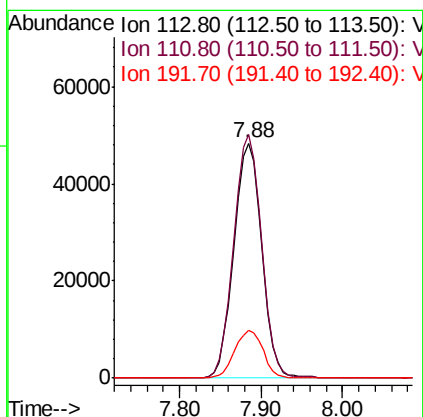
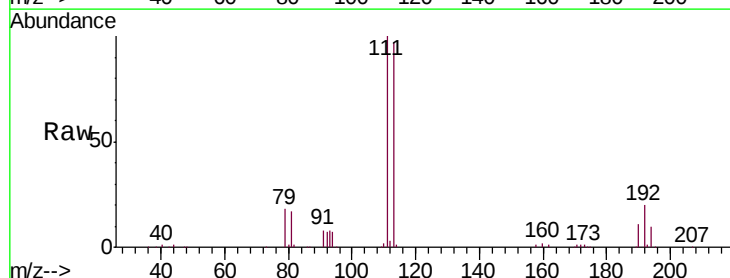
Instrument :
 MSVOA_W
 ClientSampled :

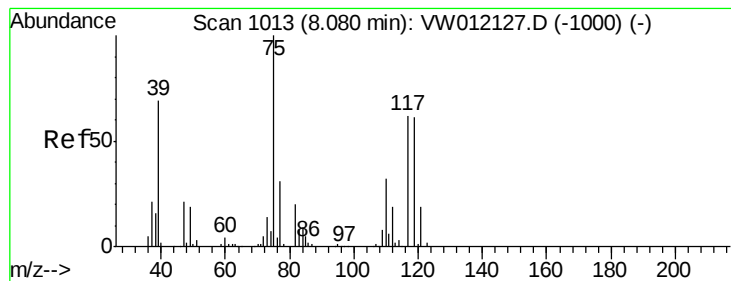
Tot Ion:114 Resp: 399098
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 48.6
 88 16.4 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 47.840 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012252.D
 Acq: 28 Aug 2019 14:24

Tgt Ion:113 Resp: 113965
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.7 124.1
 192 20.6 16.2 24.2





#36

1,1-Dichloropropene

Concen: 5.024 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012252.D

Acq: 28 Aug 2019 14:24

Instrument :

MSVOA_W

ClientSampleId :

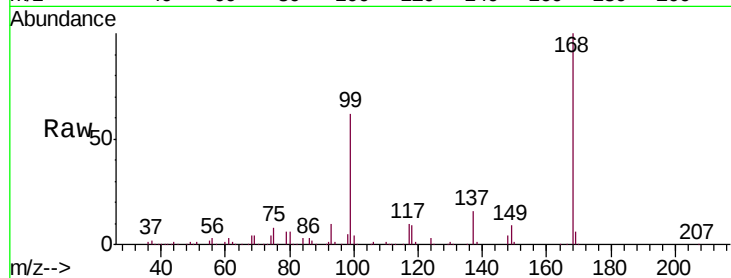
Tot Ion: 75 Resp: 20718

Ion Ratio Lower Upper

75 100

110 8.9 15.6 46.8#

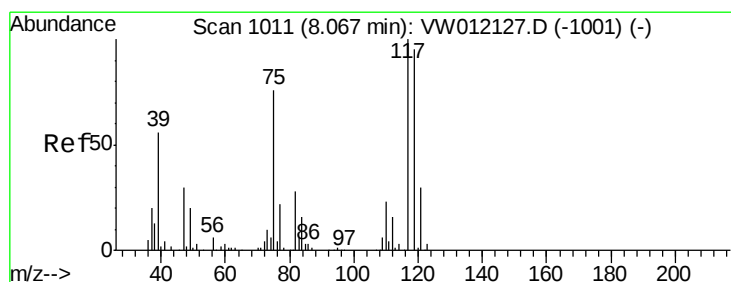
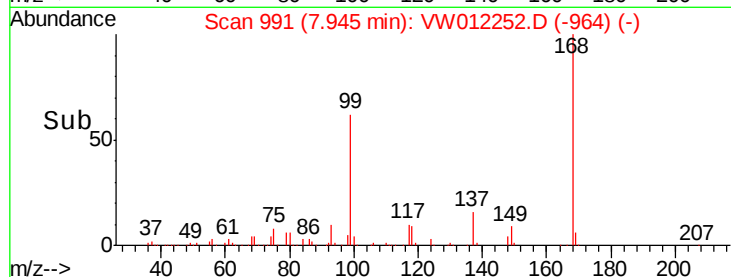
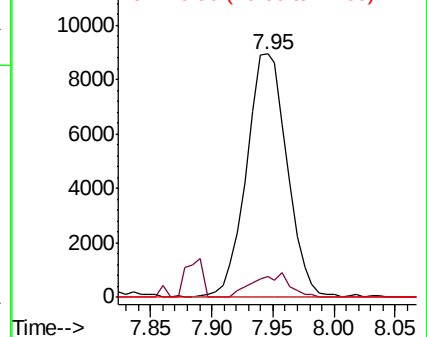
77 0.0 24.6 36.8#



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



#38

Carbon Tetrachloride

Concen: 6.653 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012252.D

Acq: 28 Aug 2019 14:24

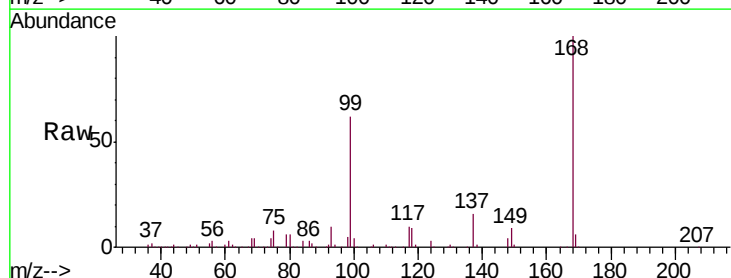
Tgt Ion: 117 Resp: 23749

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

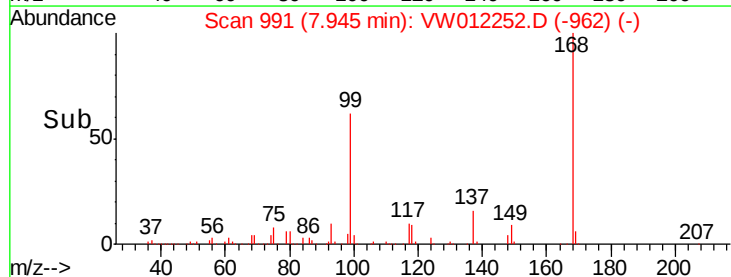
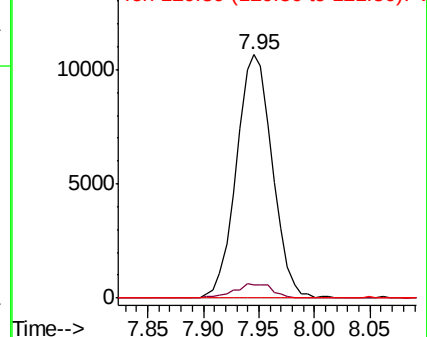
121 0.0 23.8 35.8#

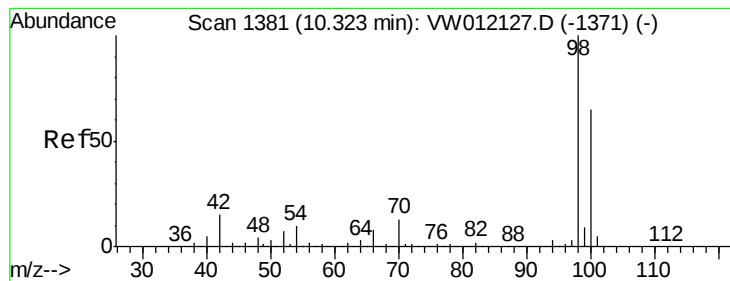


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.028 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012252.D

Acq: 28 Aug 2019 14:24

Instrument :

MSVOA_W

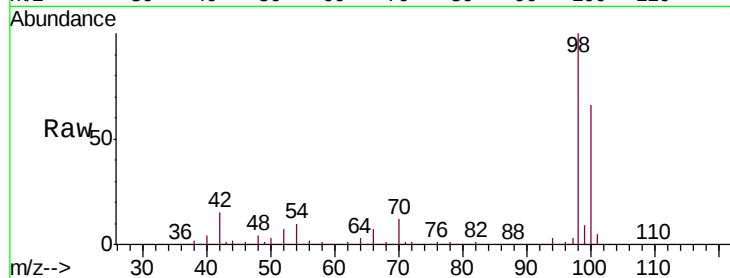
ClientSampled :

Tot Ion: 98 Resp: 483228

Ion Ratio Lower Upper

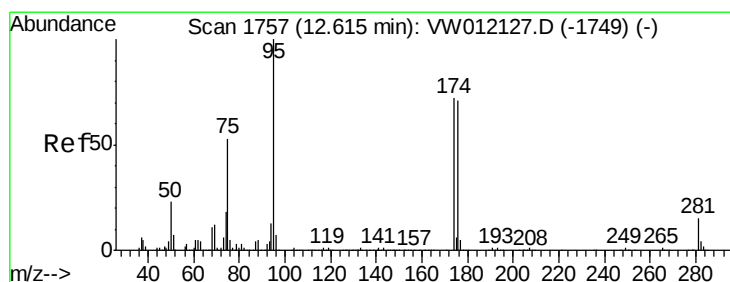
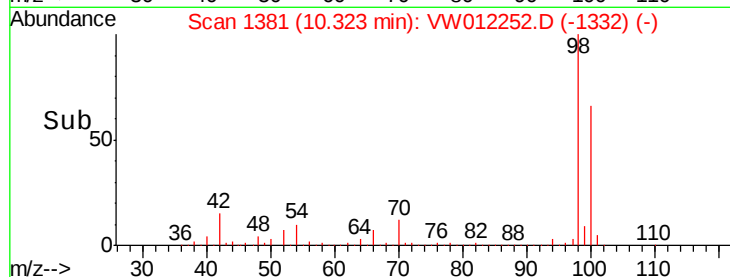
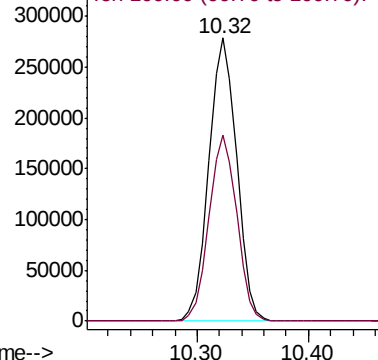
98 100

100 65.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 46.040 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012252.D

Acq: 28 Aug 2019 14:24

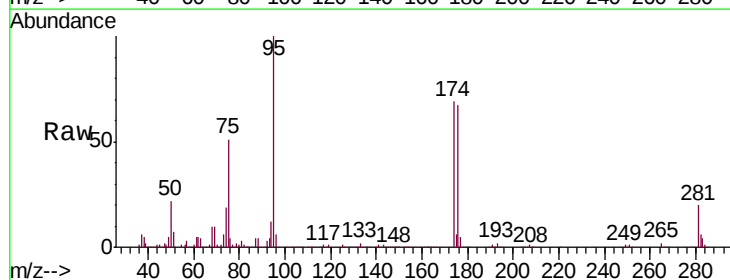
Tgt Ion: 95 Resp: 156761

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.8

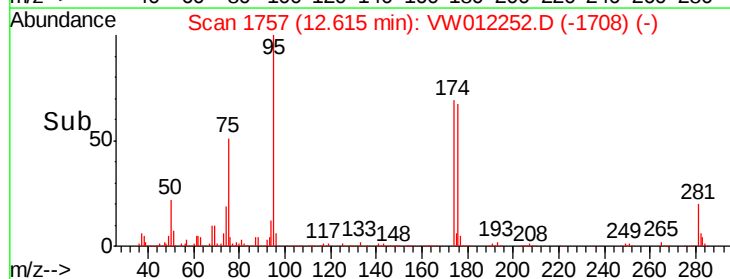
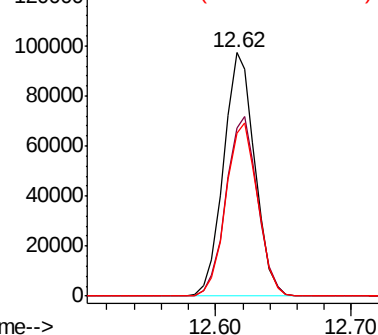
176 72.6 0.0 148.6

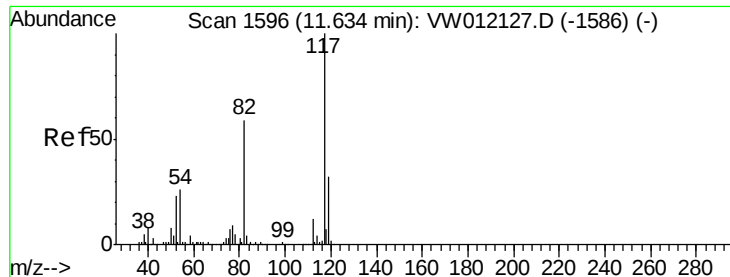


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

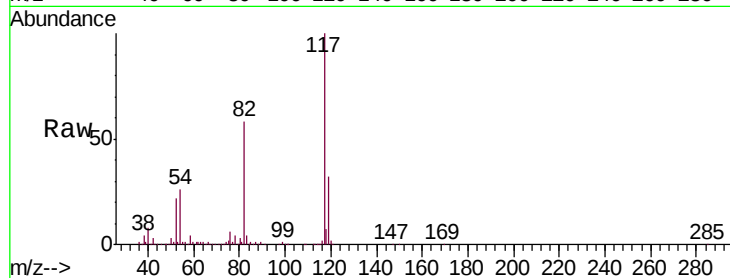




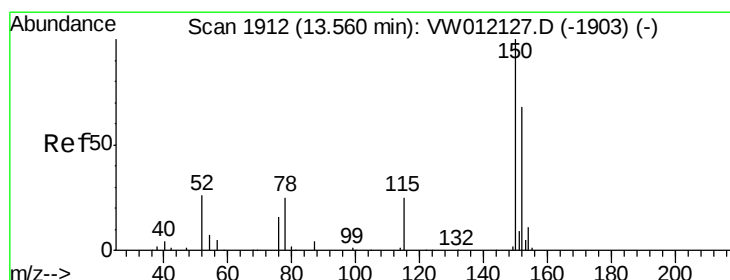
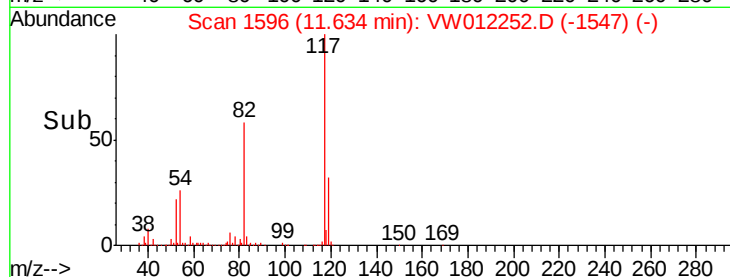
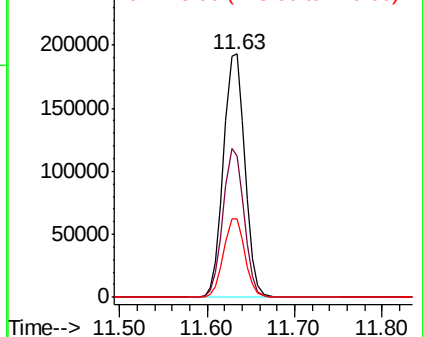
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012252.D
Acq: 28 Aug 2019 14:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 328918
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.2
119 32.0 25.4 38.2

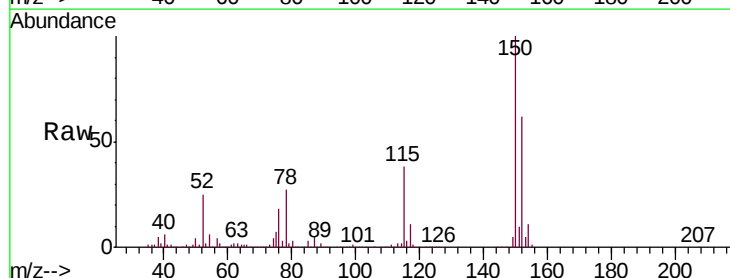


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

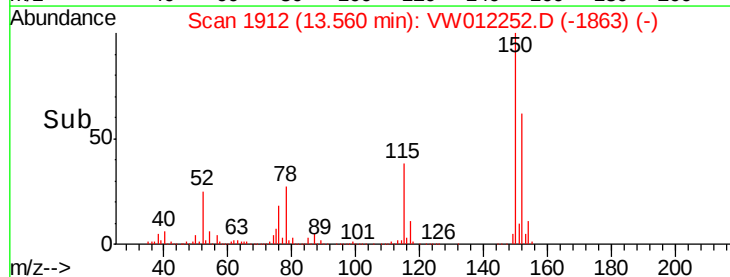
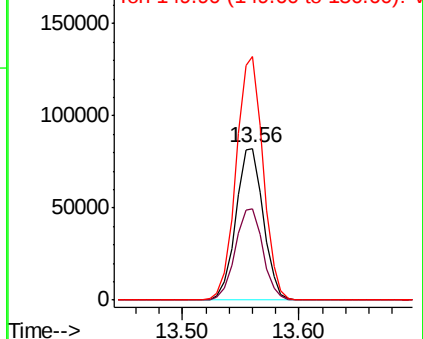


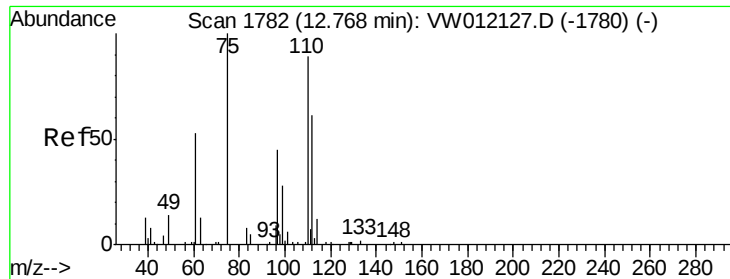
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012252.D
Acq: 28 Aug 2019 14:24

Tgt Ion:152 Resp: 135226
Ion Ratio Lower Upper
152 100
115 60.6 30.1 90.3
150 157.7 0.0 345.8



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

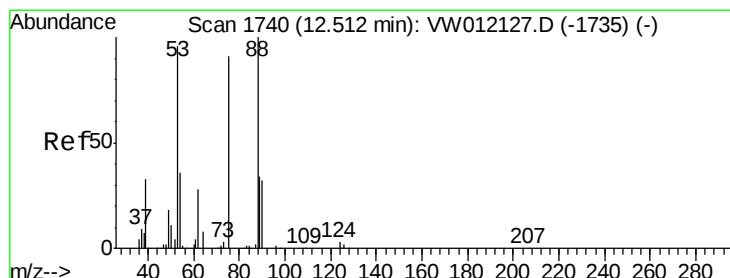
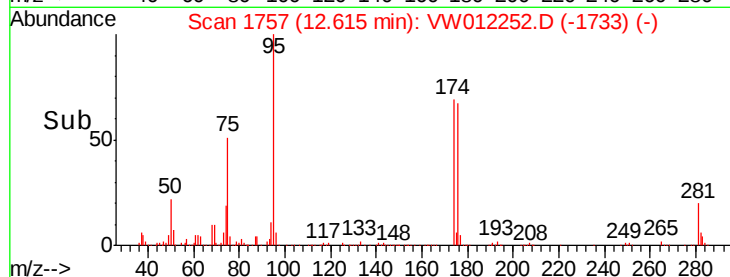
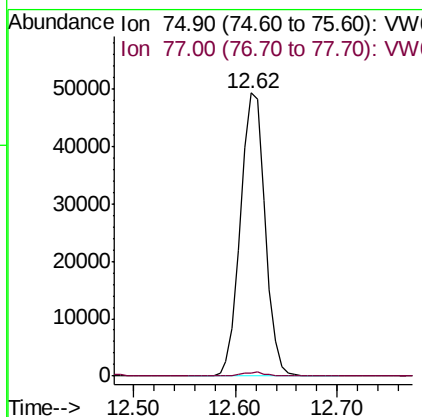
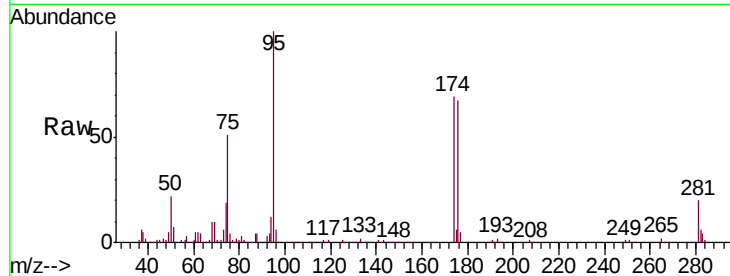




#76
 1,2,3-Trichloropropane
 Concen: 62.669 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012252.D
 Acq: 28 Aug 2019 14:24

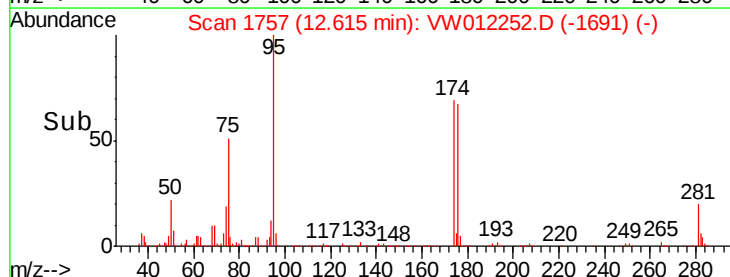
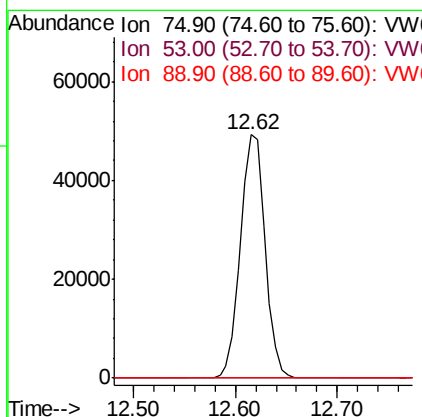
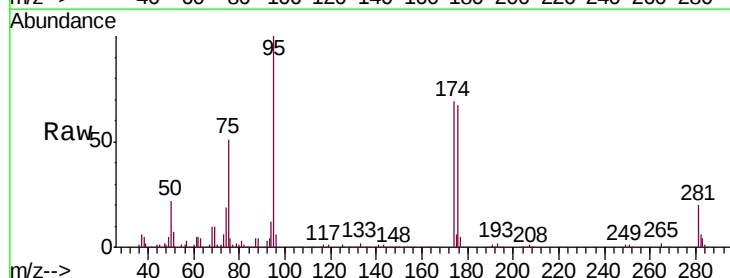
Instrument :
 MSVOA_W
 ClientSampled :

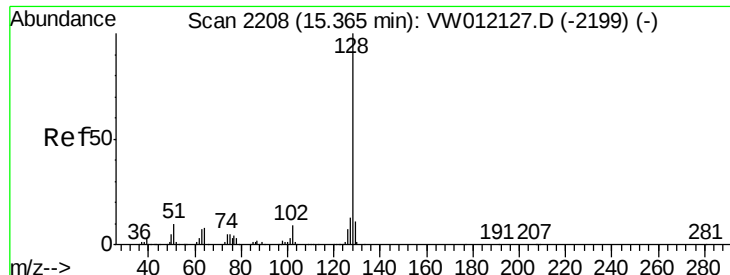
Tot Ion: 75 Resp: 82535
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.403 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012252.D
 Acq: 28 Aug 2019 14:24

Tgt Ion: 75 Resp: 82535
 Ion Ratio Lower Upper
 75 100
 53 0.2 89.4 134.0#
 89 0.2 34.5 51.7#





#95

Napthalene

Concen: 4.413 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

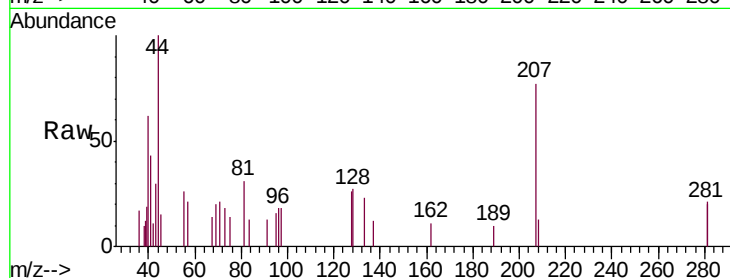
Lab File: VW012252.D

Acq: 28 Aug 2019 14:24

Instrument :

MSVOA_W

ClientSampleId :



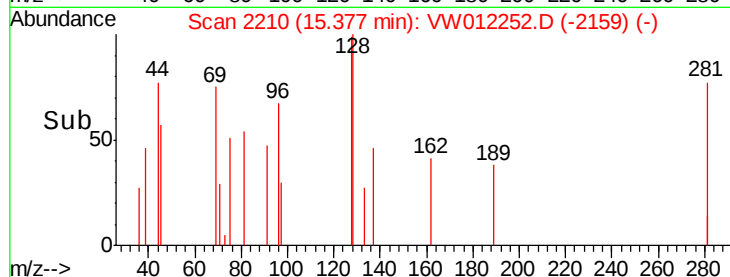
Tot Ion:128 Resp: 514

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#



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

