

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081619\
 Data File : VW011946.D
 Acq On : 15 Aug 2019 23:53
 Operator : SY/VA
 Sample : K4339-11
 Misc : 5.31G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T8-B1-(0)

Quant Time: Aug 16 04:37:12 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	161370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	294339	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	203293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	56364	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	93151	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
35) Dibromofluoromethane	7.88	113	71586	43.35	ug/l	0.00
Spiked Amount			Recovery	=	86.70%	
50) Toluene-d8	10.32	98	217963	32.24	ug/l	0.00
Spiked Amount			Recovery	=	64.48%	
62) 4-Bromofluorobenzene	12.62	95	58867	24.42	ug/l	0.00
Spiked Amount			Recovery	=	48.84%	

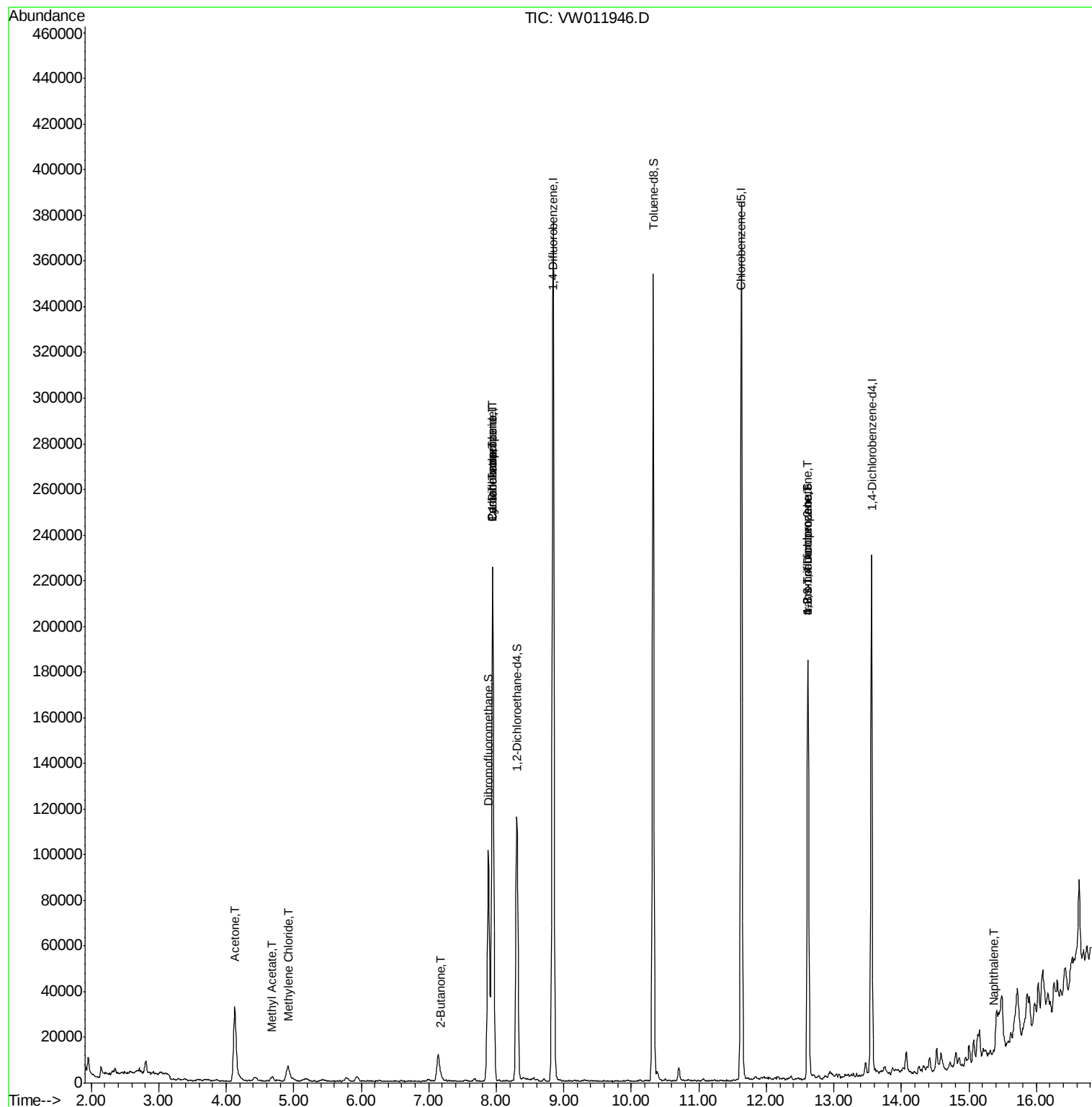
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	1780	Below Cal	#	80
16) Acetone	4.13	43	61464	104.277	ug/l	100
18) Methyl Acetate	4.68	43	4007	3.026	ug/l	97
20) Methylene Chloride	4.92	84	4974	2.447	ug/l	91
25) 2-Butanone	7.18	43	3685	4.778	ug/l	93
31) Cyclohexane	7.94	56	4241	1.224	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	14516	4.743	ug/l #	51
38) Carbon Tetrachloride	7.95	117	16339	6.236	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	32083	53.795	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	32083	123.978	ug/l #	6
95) Naphthalene	15.36	128	536	2.297	ug/l	97

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081619\
Data File : VW011946.D
Acq On : 15 Aug 2019 23:53
Operator : SY/VA
Sample : K4339-11
Misc : 5.31G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T8-B1-(0)

Quant Time: Aug 16 04:37:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
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# 992

Delta R.T. 0.01 min

Lab File: VW011946.D

Acq: 15 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

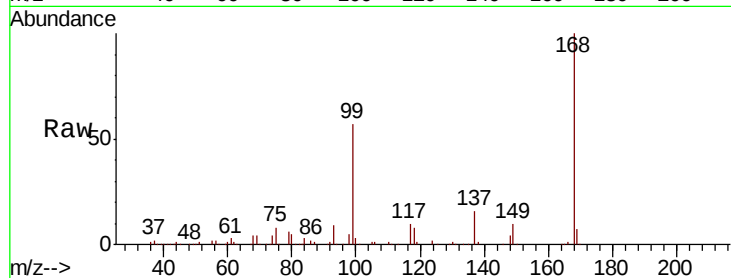
T8-B1-(0)

Tgt Ion:168 Resp: 161370

Ion Ratio Lower Upper

168 100

99 57.4 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

80000

60000

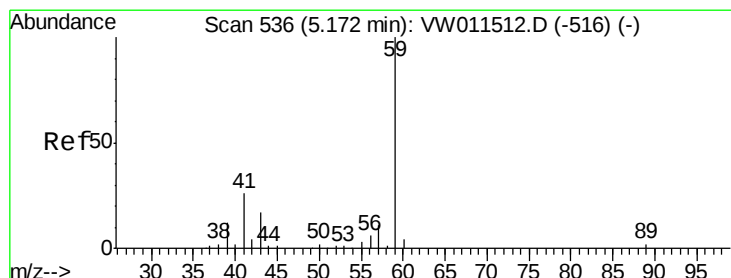
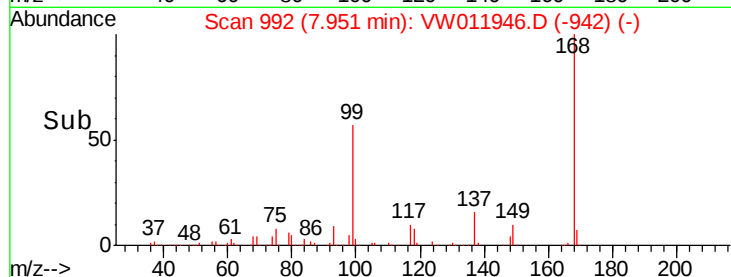
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 536

Delta R.T. 0.00 min

Lab File: VW011946.D

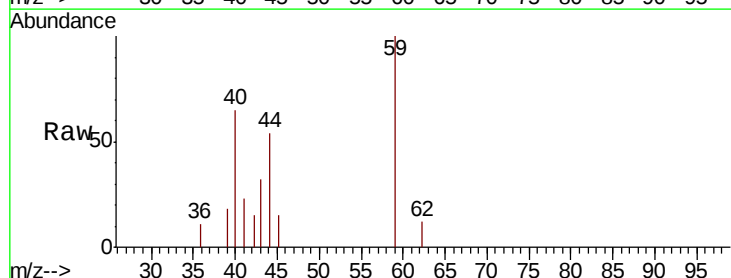
Acq: 15 Aug 2019 23:53

Tgt Ion: 59 Resp: 1780

Ion Ratio Lower Upper

59 100

57 3.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

600

500

400

300

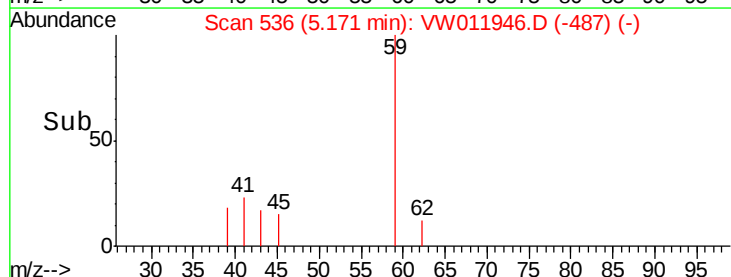
200

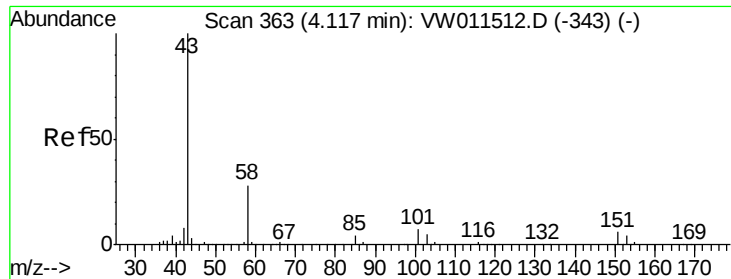
100

0

5.05 5.10 5.15 5.20 5.25

Time-->





#16

Acetone

Concen: 104.277 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011946.D

Acq: 15 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

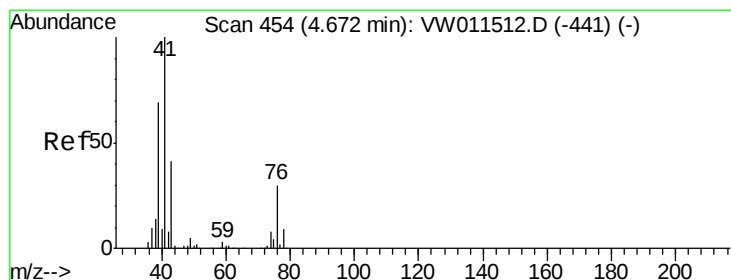
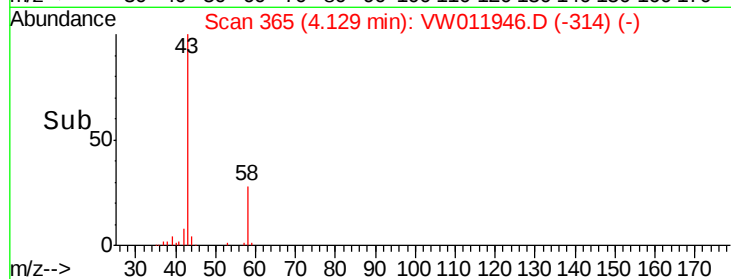
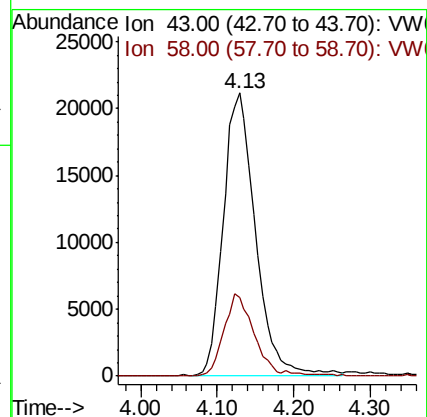
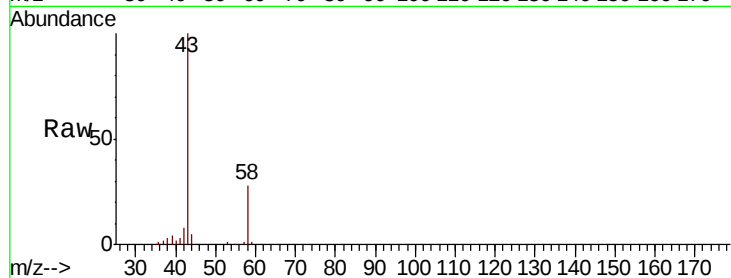
T8-B1-(0)

Tgt Ion: 43 Resp: 61464

Ion Ratio Lower Upper

43 100

58 27.8 22.3 33.5



#18

Methyl Acetate

Concen: 3.026 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW011946.D

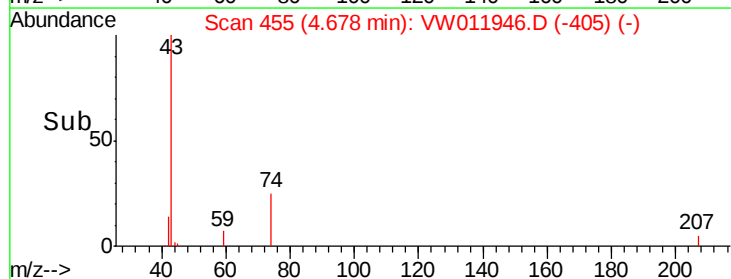
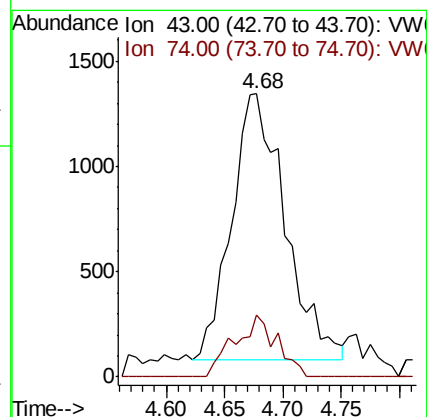
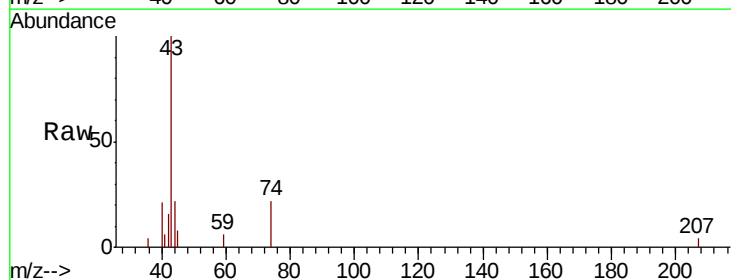
Acq: 15 Aug 2019 23:53

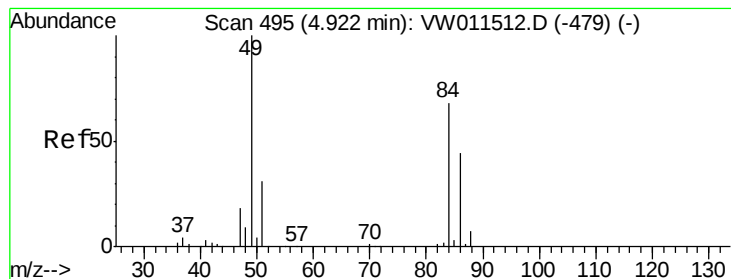
Tgt Ion: 43 Resp: 4007

Ion Ratio Lower Upper

43 100

74 18.4 15.9 23.9





#20

Methylene Chloride

Concen: 2.447 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011946.D

Acq: 15 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

T8-B1-(0)

Tgt Ion: 84 Resp: 4974

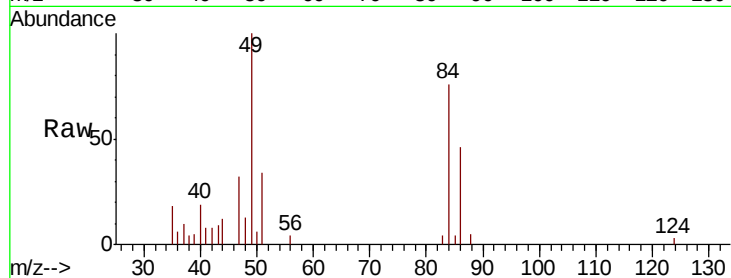
Ion Ratio Lower Upper

84 100

49 131.3 117.8 176.6

51 44.0 37.0 55.4

86 61.0 51.8 77.8

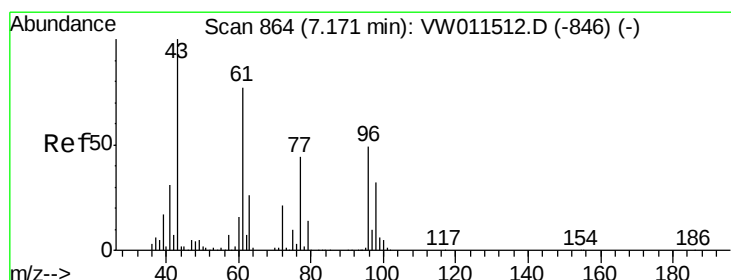
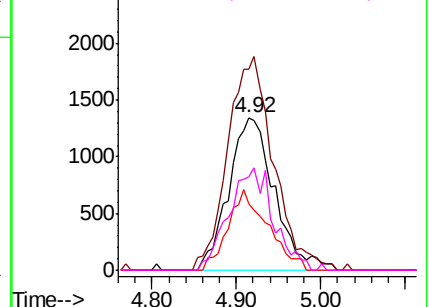
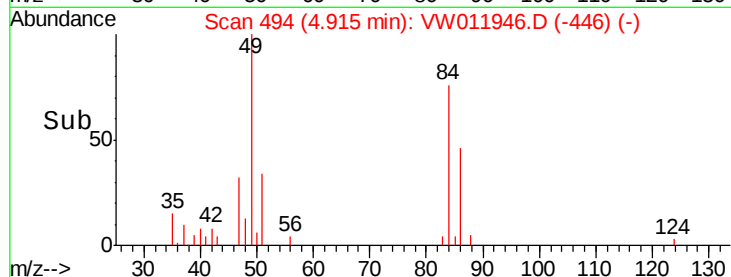


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 4.778 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW011946.D

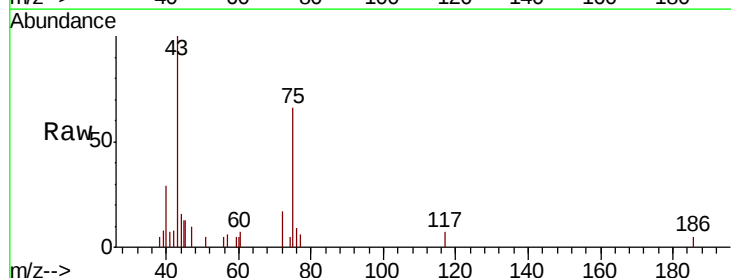
Acq: 15 Aug 2019 23:53

Tgt Ion: 43 Resp: 3685

Ion Ratio Lower Upper

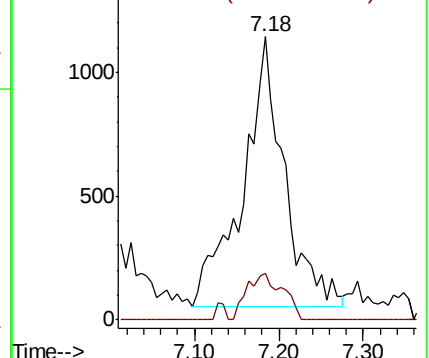
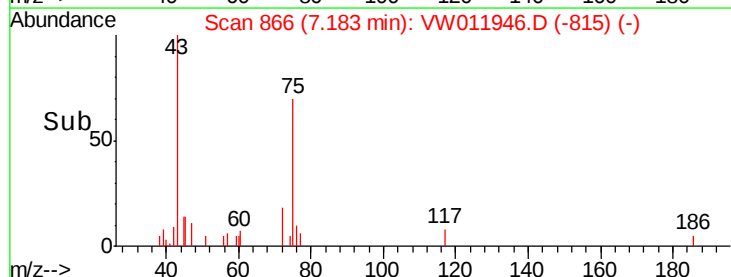
43 100

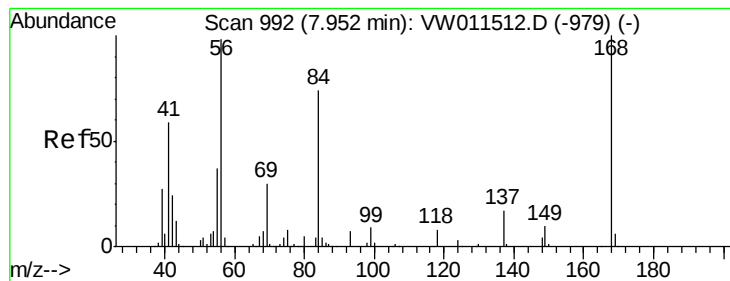
72 17.5 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.224 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011946.D

Acq: 15 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :
T8-B1-(0)

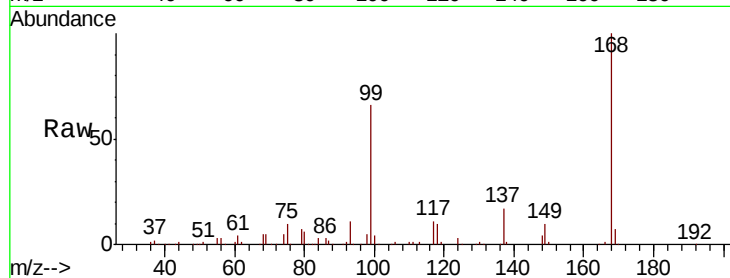
Tgt Ion: 56 Resp: 4241

Ion Ratio Lower Upper

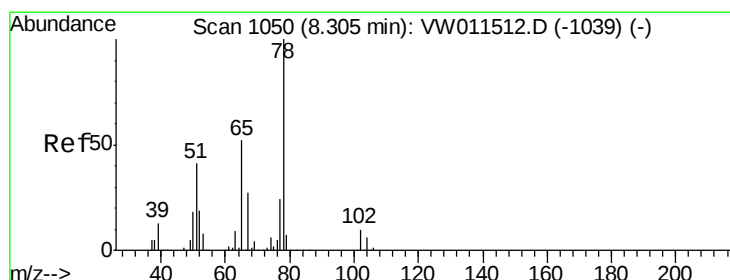
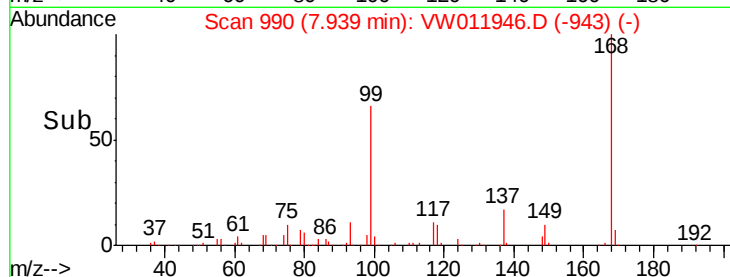
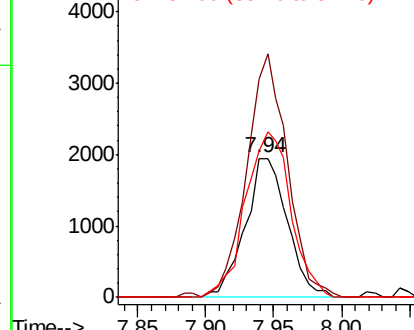
56 100

69 156.7 24.3 36.5#

84 105.1 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: 50.271 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011946.D

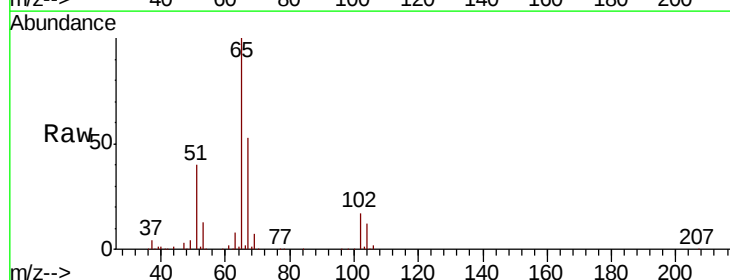
Acq: 15 Aug 2019 23:53

Tgt Ion: 65 Resp: 93151

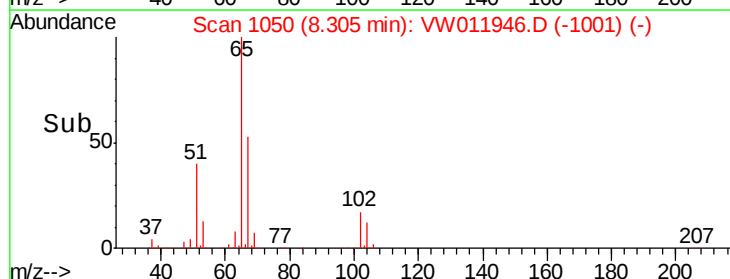
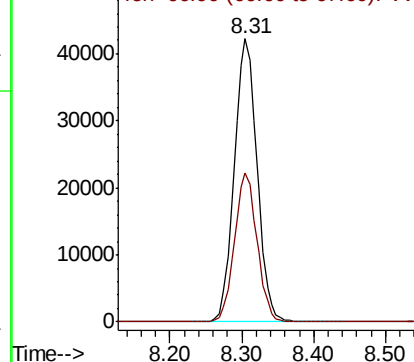
Ion Ratio Lower Upper

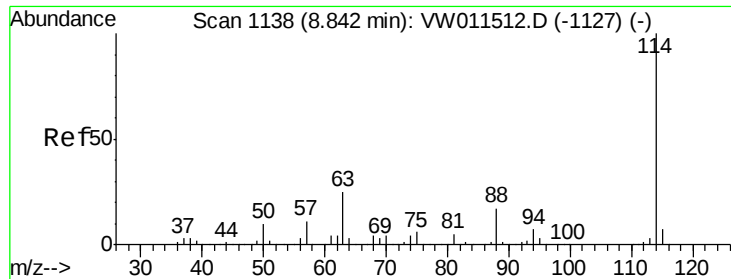
65 100

67 52.1 0.0 105.2



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

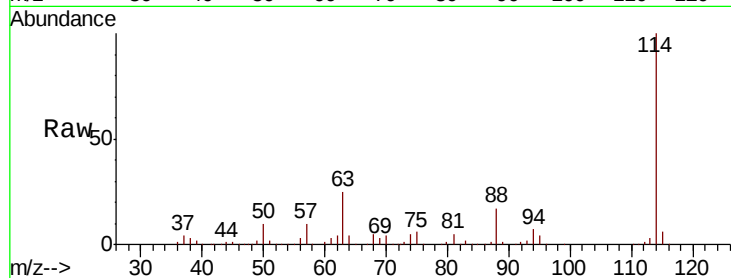




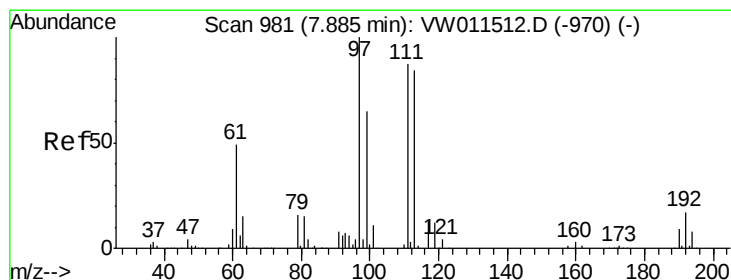
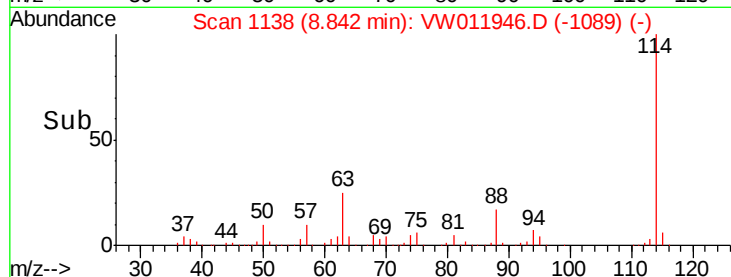
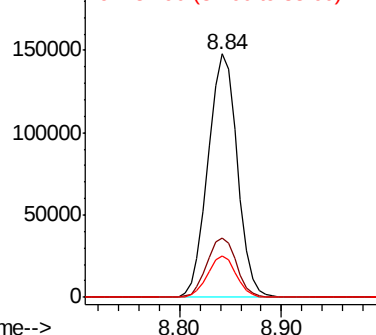
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011946.D
 Acq: 15 Aug 2019 23:53

Instrument :
 MSVOA_W
 ClientSampleId :
 T8-B1-(0)

Tgt Ion:114 Resp: 294339
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.2
 88 17.1 0.0 33.8

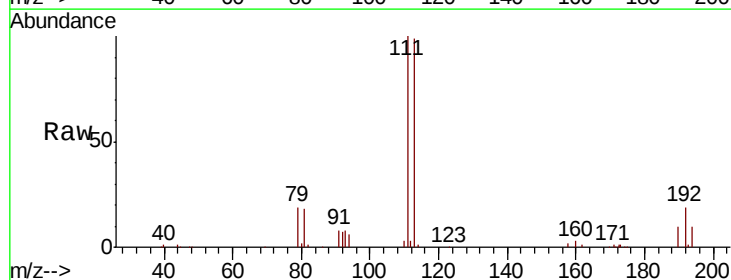


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

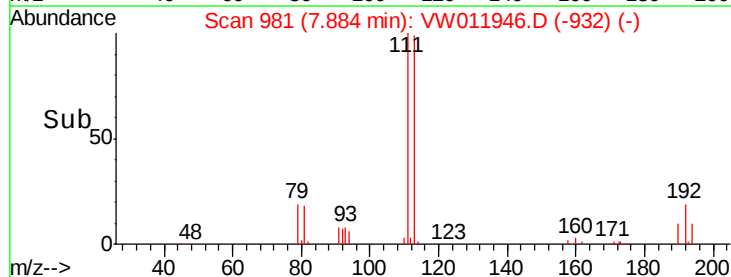
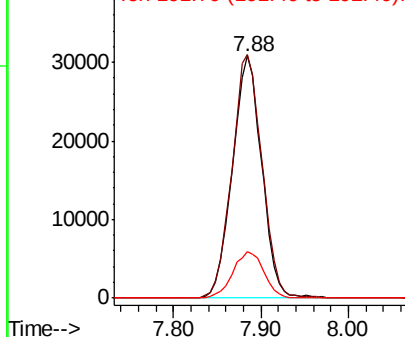


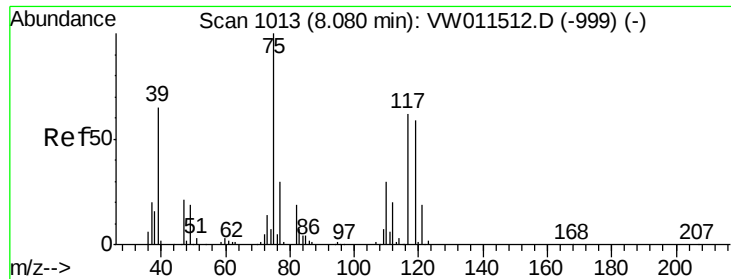
#35
 Dibromofluoromethane
 Concen: 43.351 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011946.D
 Acq: 15 Aug 2019 23:53

Tgt Ion:113 Resp: 71586
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.7 124.1
 192 20.3 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

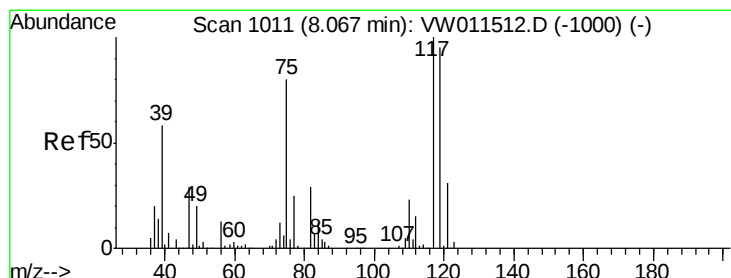
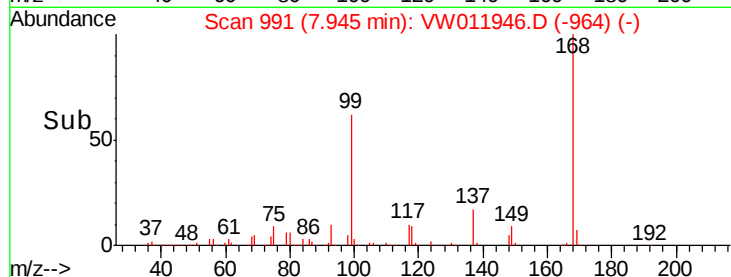
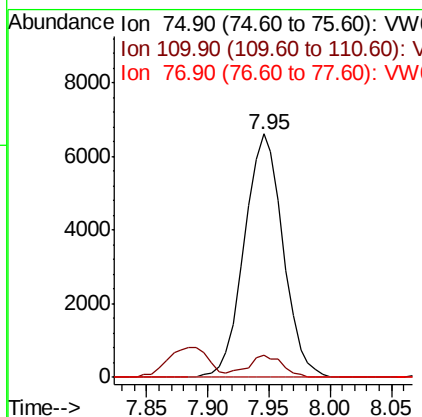
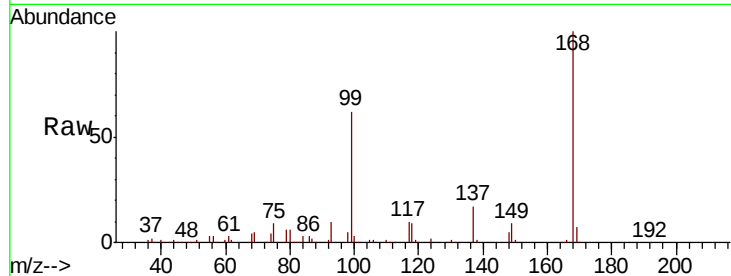




#36
 1,1-Dichloropropene
 Concen: 4.743 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011946.D
 Acq: 15 Aug 2019 23:53

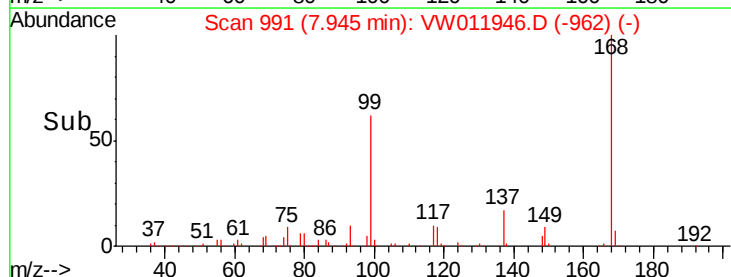
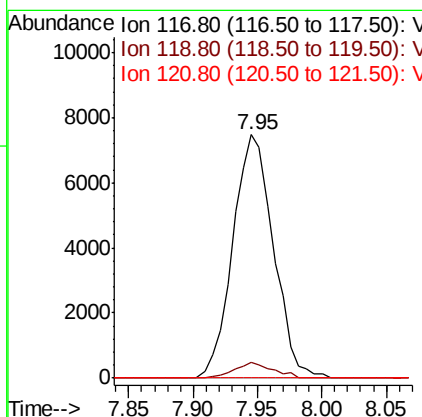
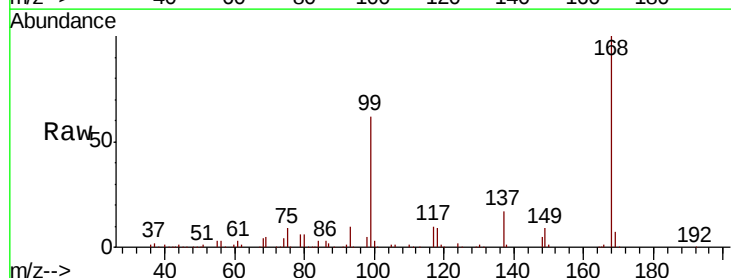
Instrument :
 MSVOA_W
 ClientSampleId :
 T8-B1-(0)

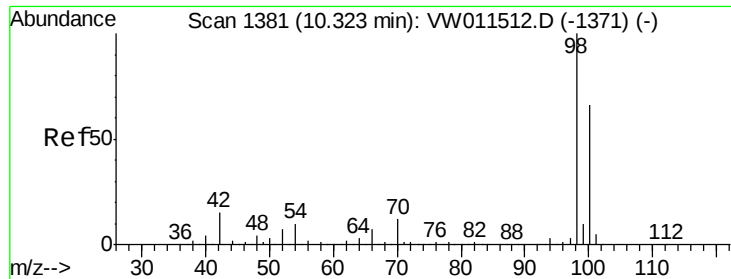
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.236 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011946.D
 Acq: 15 Aug 2019 23:53

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





#50

Toluene-d8

Concen: 32.239 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011946.D

Acq: 15 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampled :

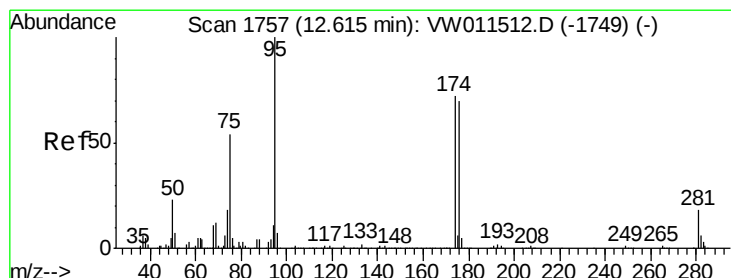
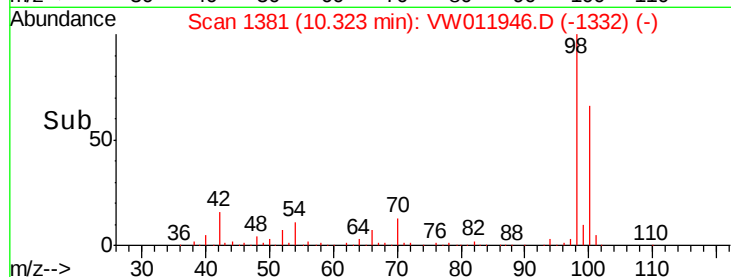
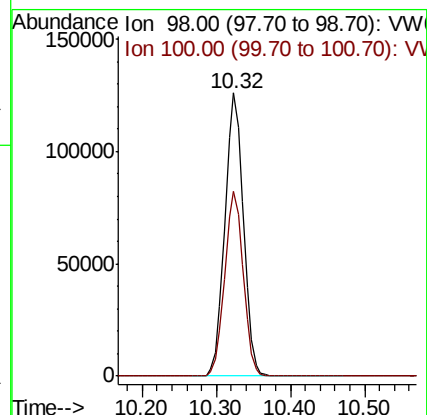
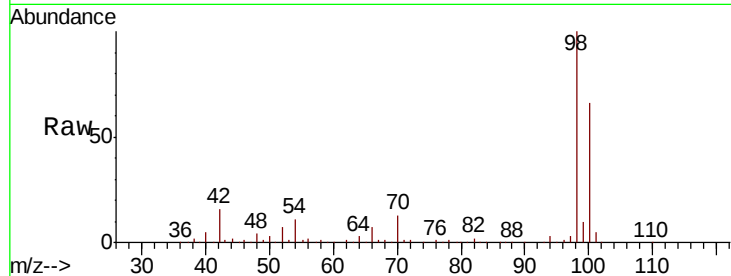
T8-B1-(0)

Tgt Ion: 98 Resp: 217963

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 24.422 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011946.D

Acq: 15 Aug 2019 23:53

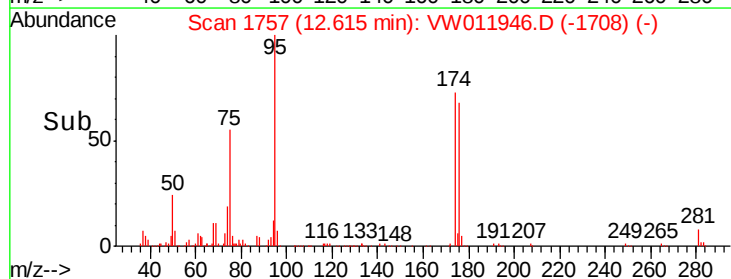
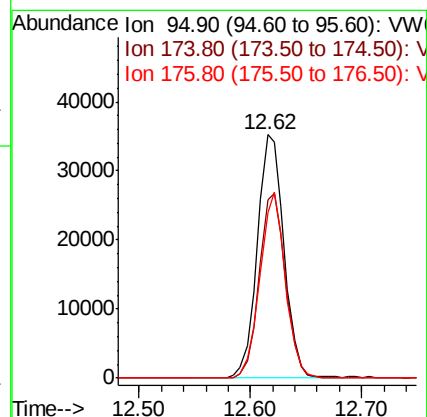
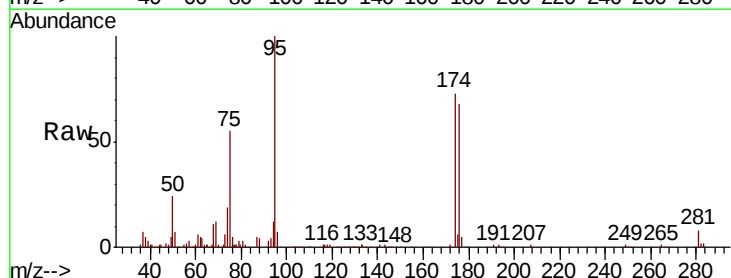
Tgt Ion: 95 Resp: 58867

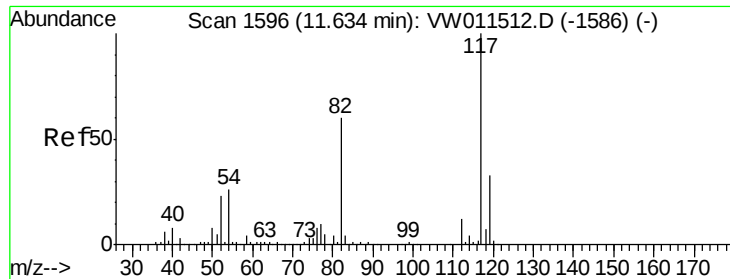
Ion Ratio Lower Upper

95 100

174 74.7 0.0 150.2

176 73.0 0.0 144.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW011946.D

Acq: 15 Aug 2019 23:53

Instrument :

MSVOA_W

ClientSampleId :

T8-B1-(0)

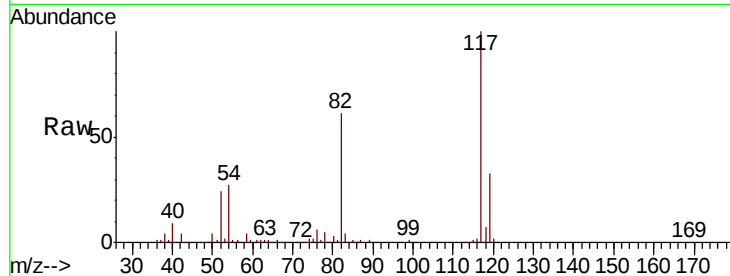
Tgt Ion:117 Resp: 203293

Ion Ratio Lower Upper

117 100

82 60.6 47.9 71.9

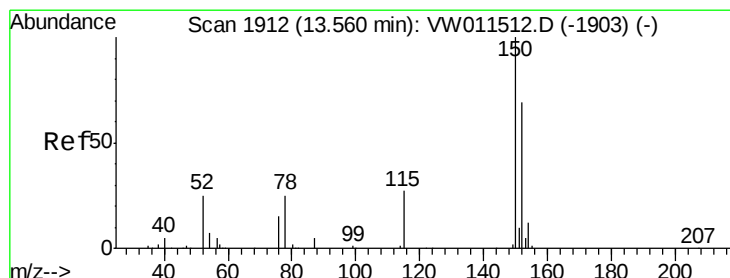
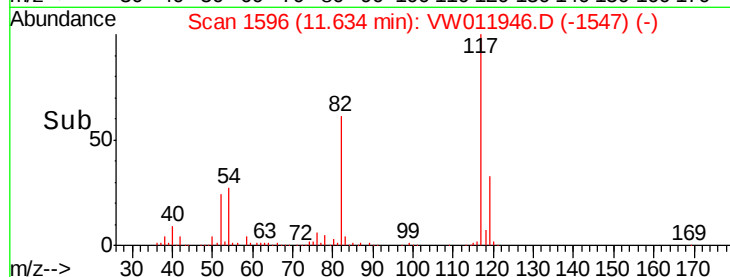
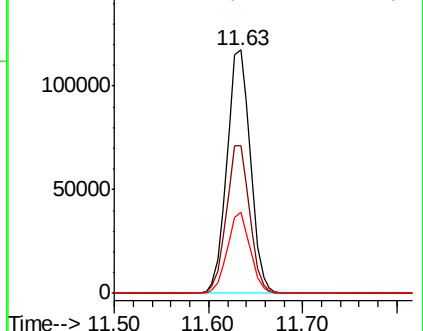
119 33.4 26.2 39.2



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: VW011946.D

Acq: 15 Aug 2019 23:53

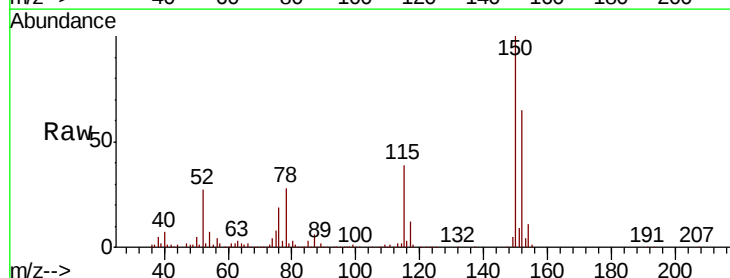
Tgt Ion:152 Resp: 56364

Ion Ratio Lower Upper

152 100

115 60.3 30.5 91.5

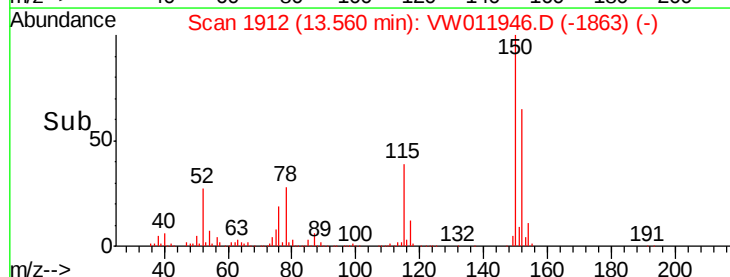
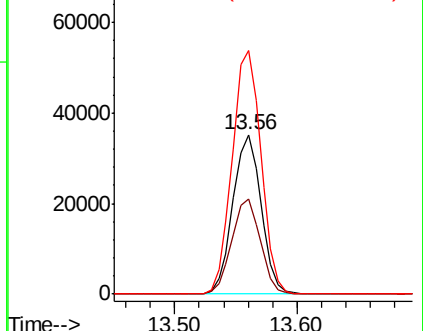
150 155.9 0.0 352.6

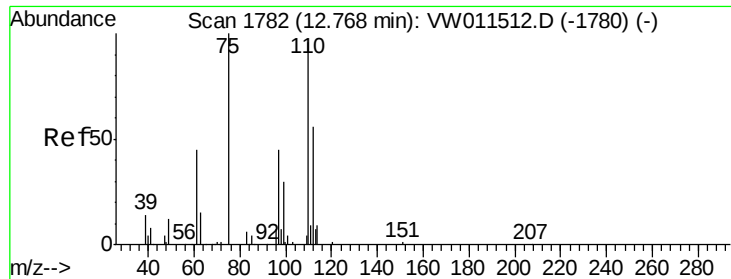


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

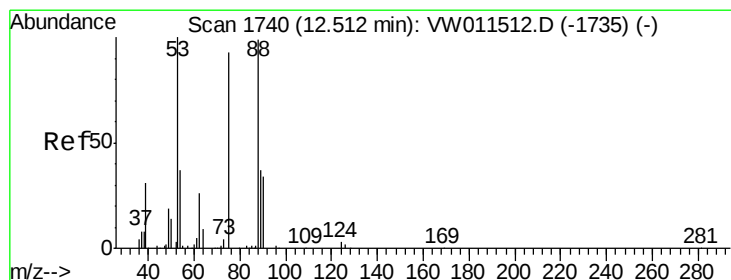
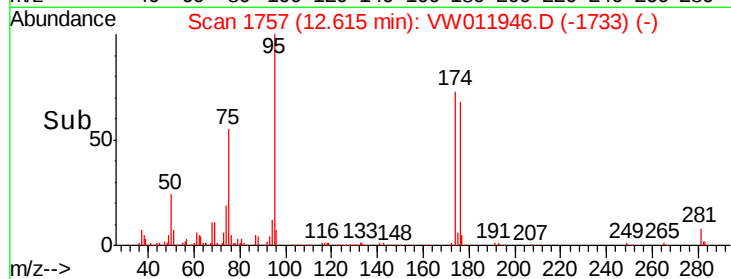
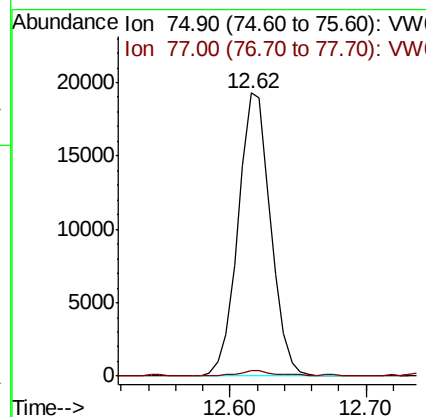
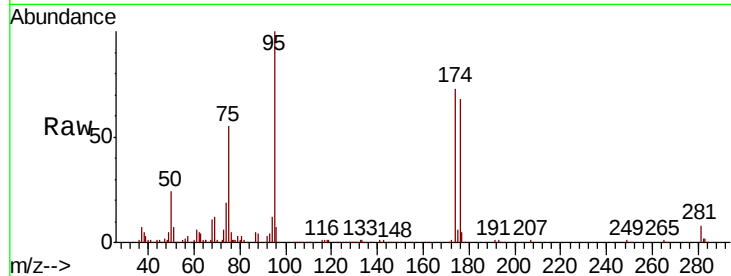




#76
 1,2,3-Trichloropropane
 Concen: 53.795 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011946.D
 Acq: 15 Aug 2019 23:53

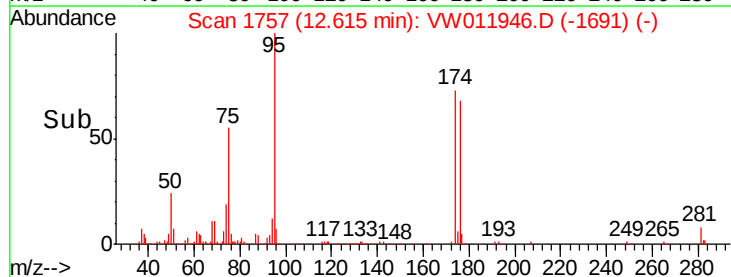
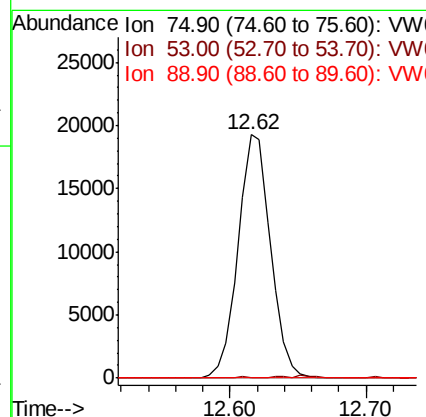
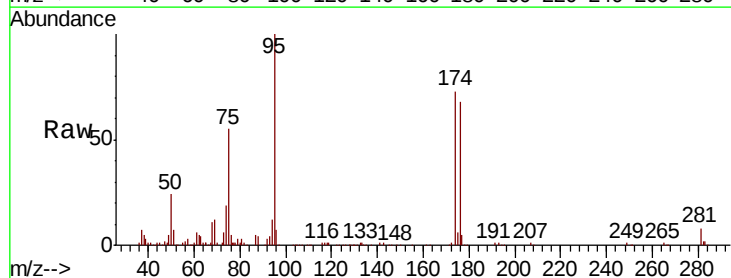
Instrument :
 MSVOA_W
 ClientSampleId :
 T8-B1-(0)

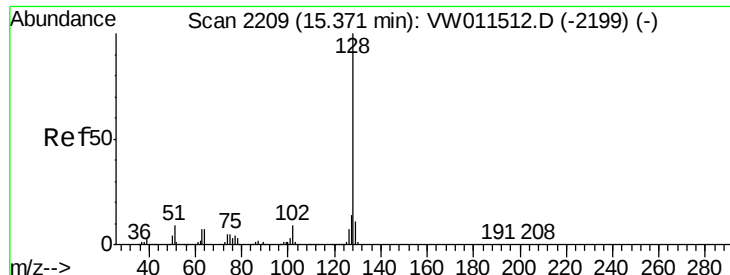
Tgt Ion: 75 Resp: 32083
 Ion Ratio Lower Upper
 75 100
 77 2.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.978 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011946.D
 Acq: 15 Aug 2019 23:53

Tgt Ion: 75 Resp: 32083
 Ion Ratio Lower Upper
 75 100
 53 0.3 88.0 132.0#
 89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 2.297 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011946.D
Acq: 15 Aug 2019 23:53

Instrument :
MSVOA_W
ClientSampleId :
T8-B1-(0)

Tgt Ion:128 Resp: 536
Ion Ratio Lower Upper
128 100
127 14.7 10.6 16.0
129 10.3 8.6 13.0

