

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030819\
 Data File : VW009062.D
 Acq On : 08 Mar 2019 18:37
 Operator : SY/VA
 Sample : K1807-41
 Misc : 5.06G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-21

Quant Time: Mar 09 01:20:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	294749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	466375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	425901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	200776	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	181663	61.26	ug/l	0.00
Spiked Amount			Recovery	=	122.52%	
35) Dibromofluoromethane	7.88	113	147048	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
50) Toluene-d8	10.32	98	562224	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
62) 4-Bromofluorobenzene	12.62	95	191222	42.12	ug/l	0.00
Spiked Amount			Recovery	=	84.24%	

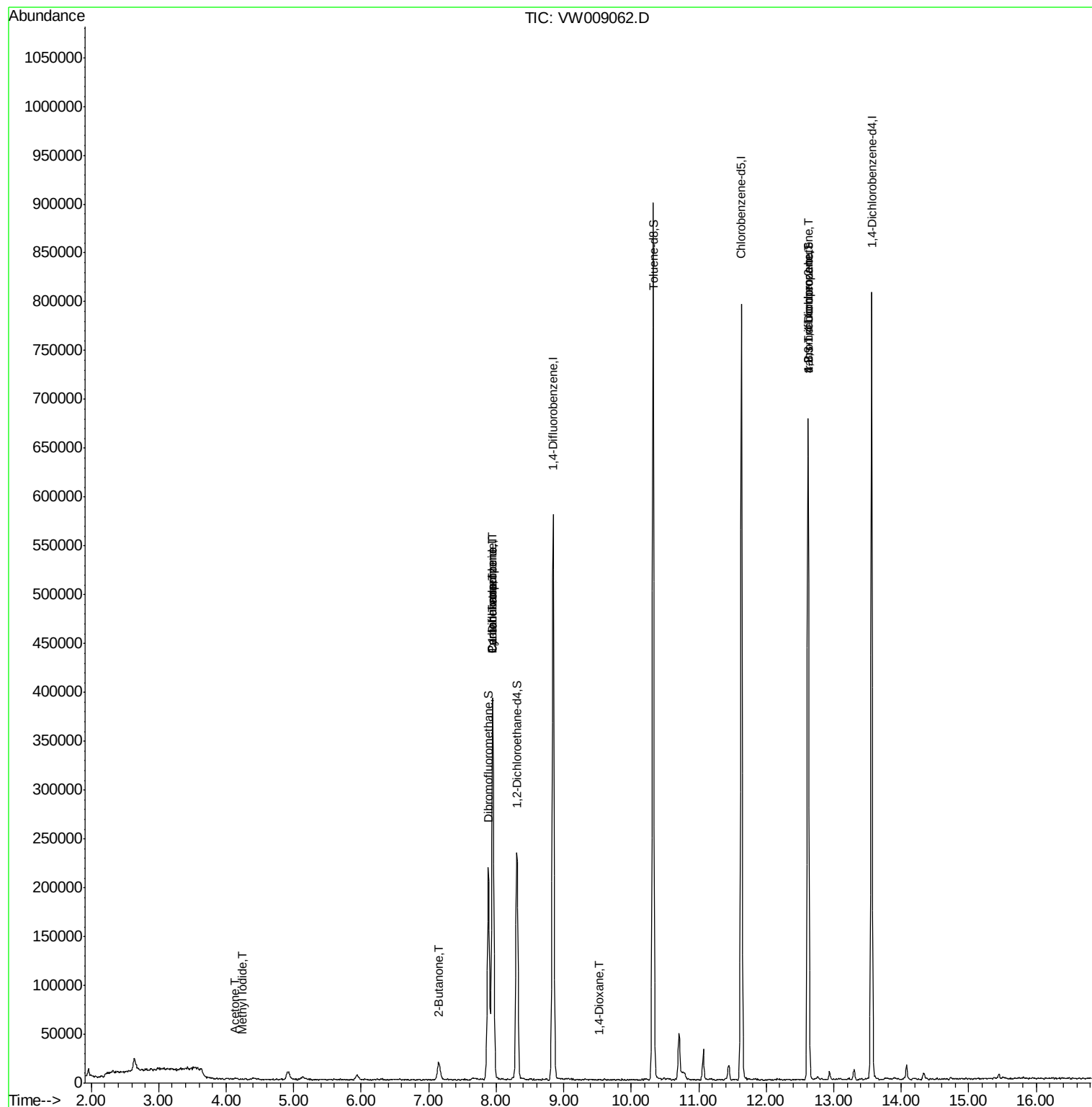
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.25	142	52	3.202	ug/l #	40
16) Acetone	4.13	43	2015	3.011	ug/l	96
20) Methylene Chloride	4.90	84	6227	Below Cal		88
25) 2-Butanone	7.15	43	1367	1.478	ug/l #	86
31) Cyclohexane	7.95	56	7462	1.349	ug/l #	40
36) 1,1-Dichloropropene	7.95	75	23031	4.723	ug/l #	49
38) Carbon Tetrachloride	7.95	117	28663	5.691	ug/l #	20
49) 1,4-Dioxane	9.52	88	29	1.137	ug/l #	45
76) 1,2,3-Trichloropropane	12.62	75	105591	66.564	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	105591	148.887	ug/l #	5

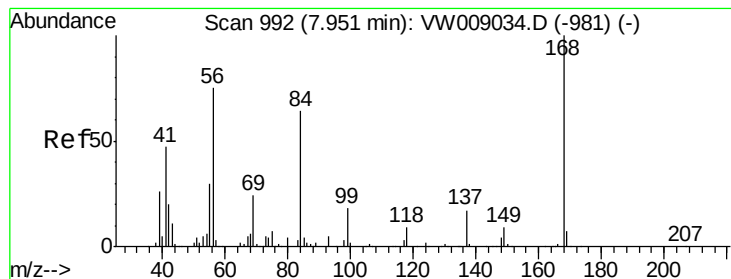
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009062.D

Acq: 08 Mar 2019 18:37

Instrument :

MSVOA_W

ClientSampled :

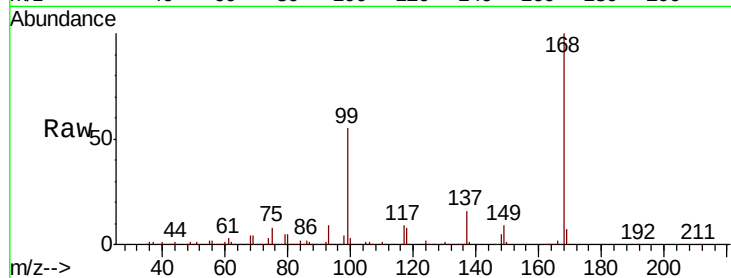
TP-21

Tot Ion:168 Resp: 294749

Ion Ratio Lower Upper

168 100

99 54.5 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.95

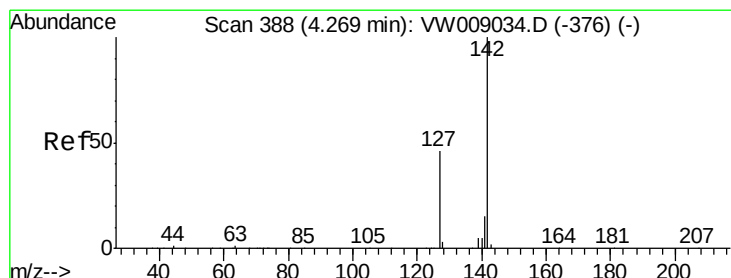
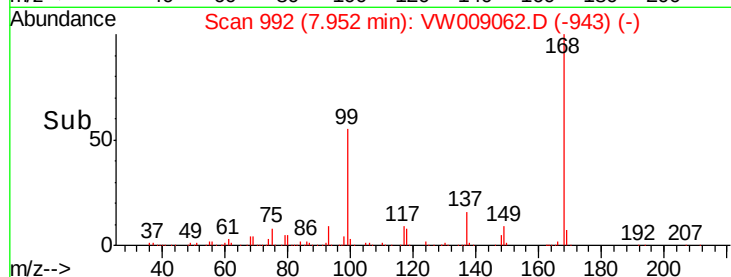
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#10

Methyl Iodide

Concen: 3.202 ug/l

RT: 4.25 min Scan# 385

Delta R.T. -0.02 min

Lab File: VW009062.D

Acq: 08 Mar 2019 18:37

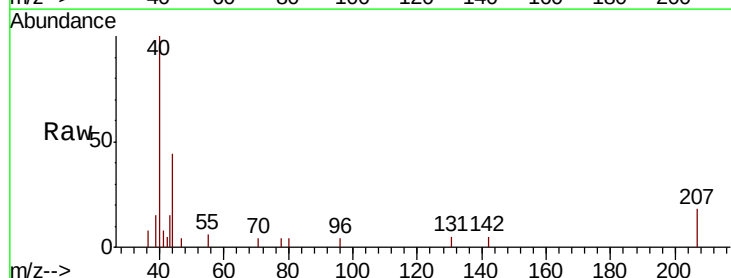
Tgt Ion:142 Resp: 52

Ion Ratio Lower Upper

142 100

127 0.0 35.8 53.6#

141 0.0 11.8 17.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.25

100

80

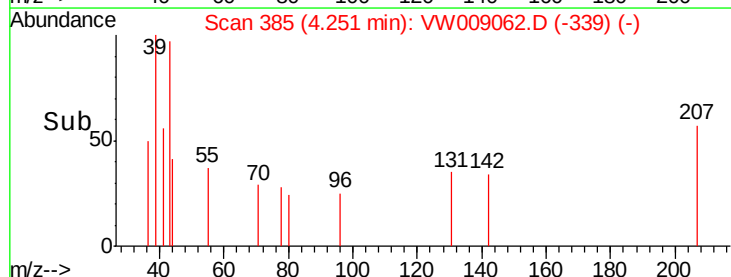
60

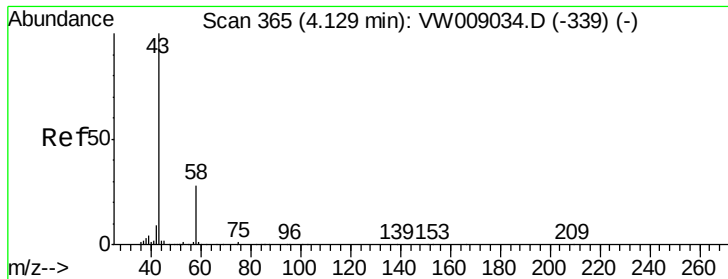
40

20

0

Time--> 4.24 4.26 4.28





#16

Acetone

Concen: 3.011 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW009062.D

Acq: 08 Mar 2019 18:37

Instrument :

MSVOA_W

ClientSampled :

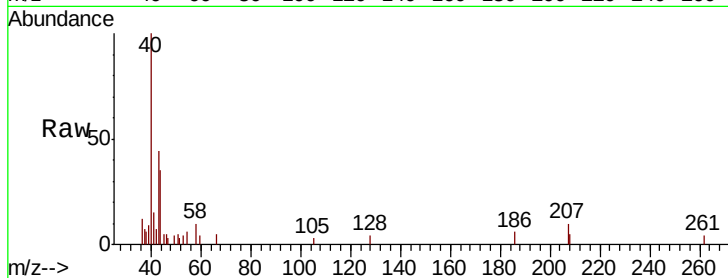
TP-21

Tot Ion: 43 Resp: 2015

Ion Ratio Lower Upper

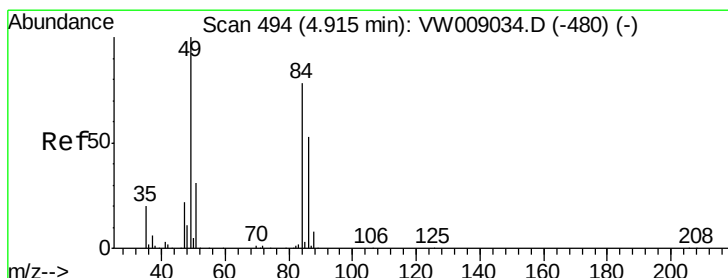
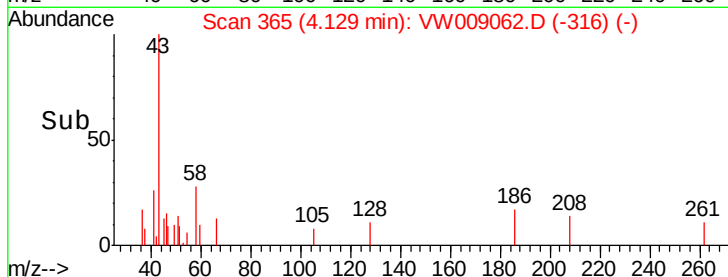
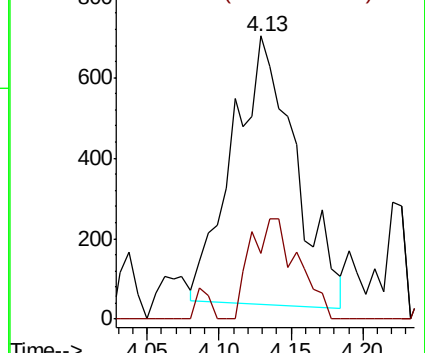
43 100

58 25.9 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW009062.D

Acq: 08 Mar 2019 18:37

Tgt Ion: 84 Resp: 6227

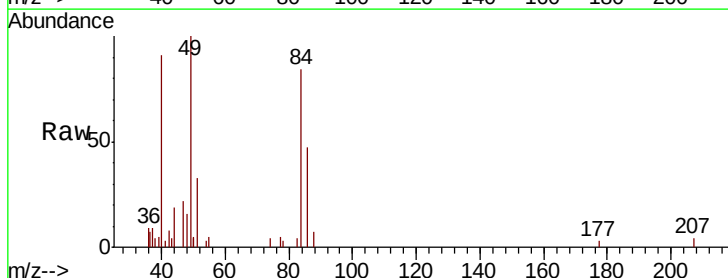
Ion Ratio Lower Upper

84 100

49 114.1 102.4 153.6

51 36.2 31.6 47.4

86 55.6 54.5 81.7

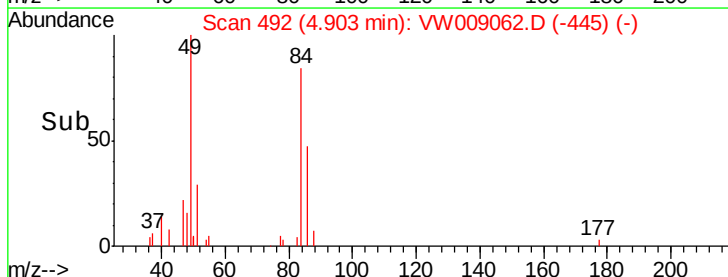
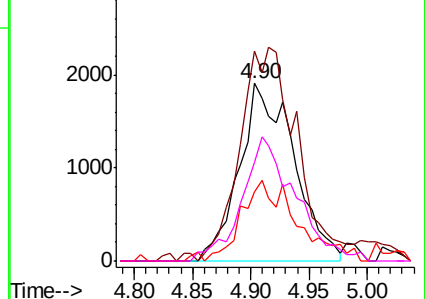


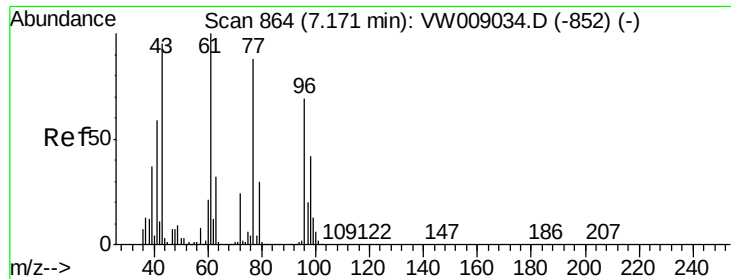
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.478 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW009062.D

Acq: 08 Mar 2019 18:37

Instrument :

MSVOA_W

ClientSampled :

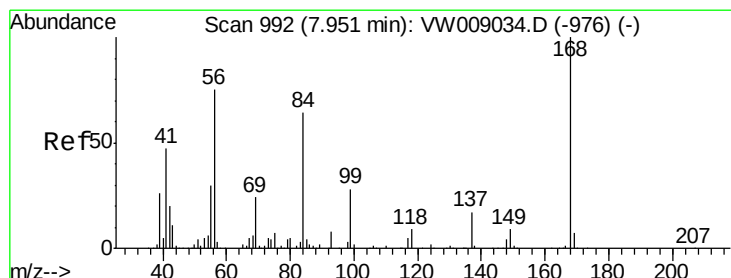
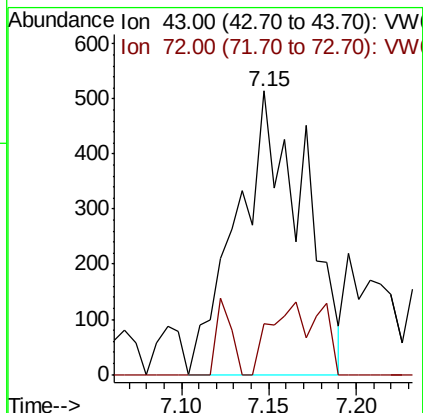
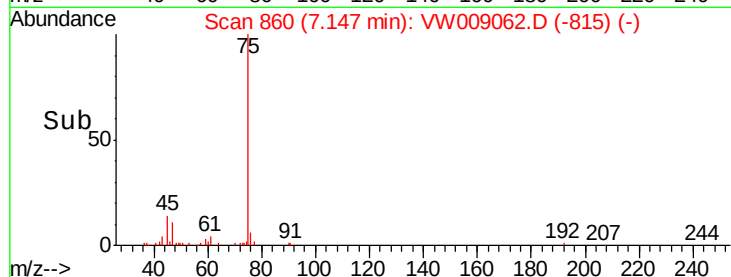
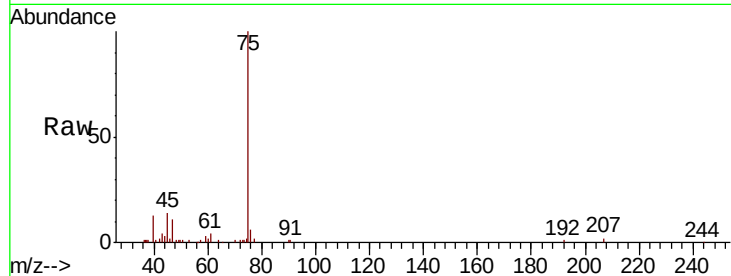
TP-21

Tot Ion: 43 Resp: 1367

Ion Ratio Lower Upper

43 100

72 18.1 20.0 30.0#



#31

Cyclohexane

Concen: 1.349 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009062.D

Acq: 08 Mar 2019 18:37

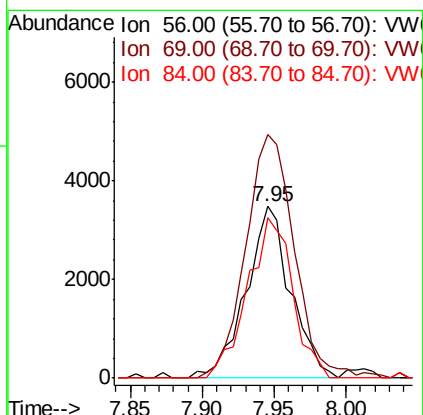
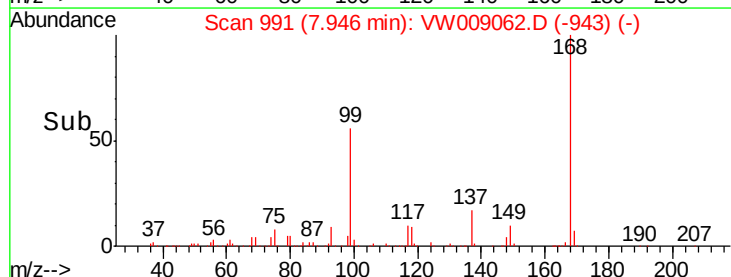
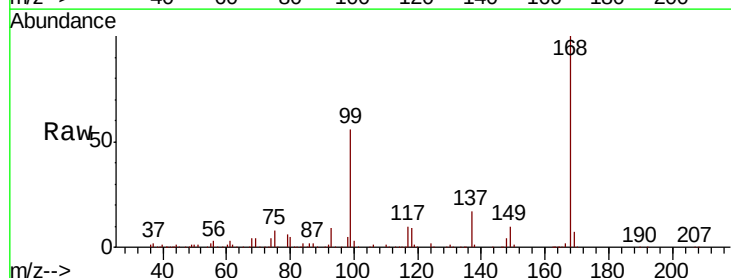
Tgt Ion: 56 Resp: 7462

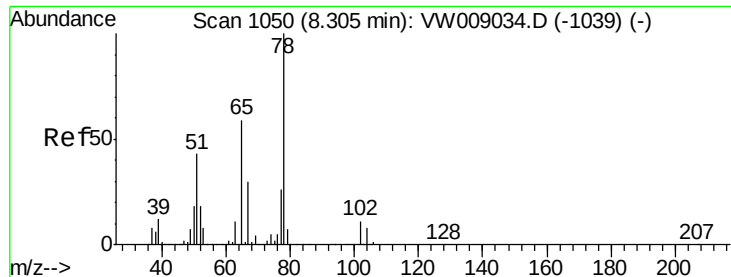
Ion Ratio Lower Upper

56 100

69 141.9 25.5 38.3#

84 93.7 68.6 103.0

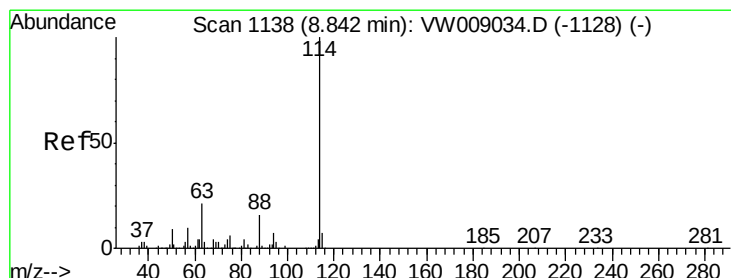
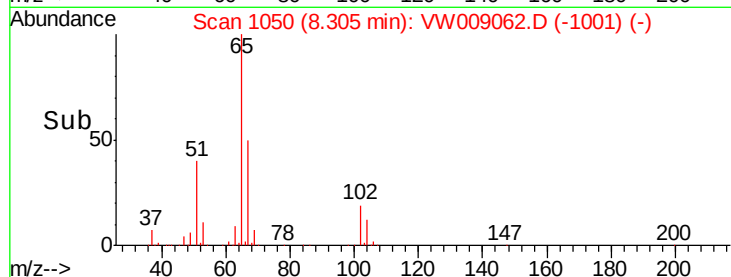
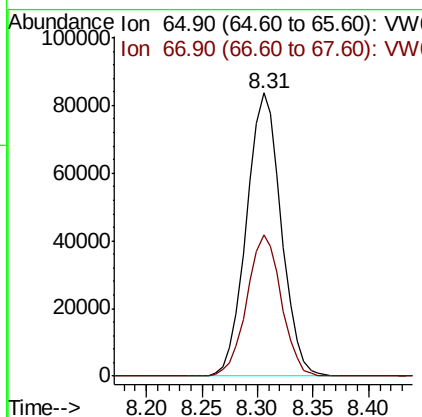
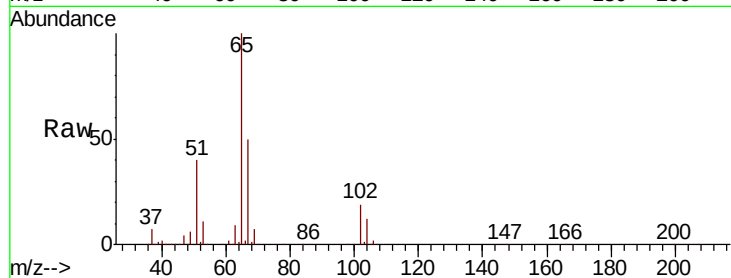




#33
 1,2-Dichloroethane-d4
 Concen: 61.260 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009062.D
 Acq: 08 Mar 2019 18:37

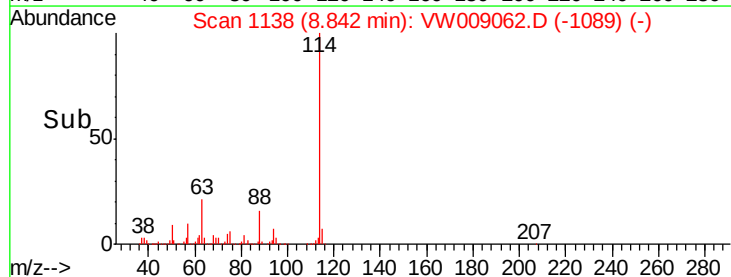
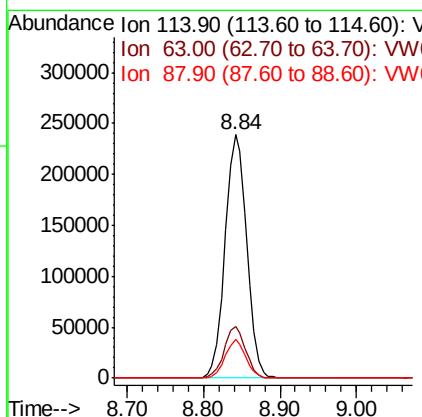
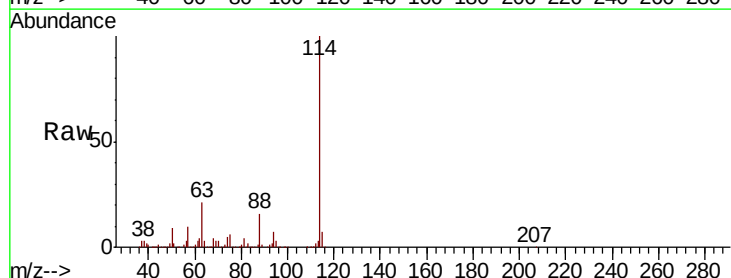
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-21

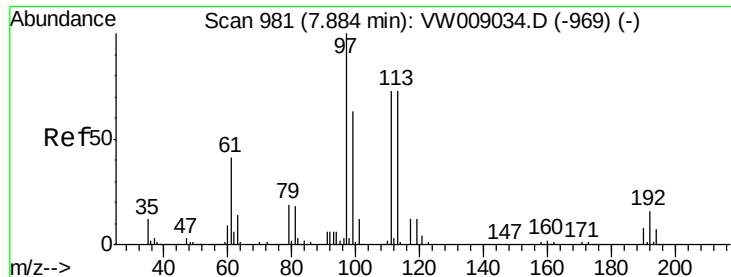
Tot Ion: 65 Resp: 181663
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009062.D
 Acq: 08 Mar 2019 18:37

Tgt Ion: 114 Resp: 466375
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.2
 88 15.9 0.0 31.2

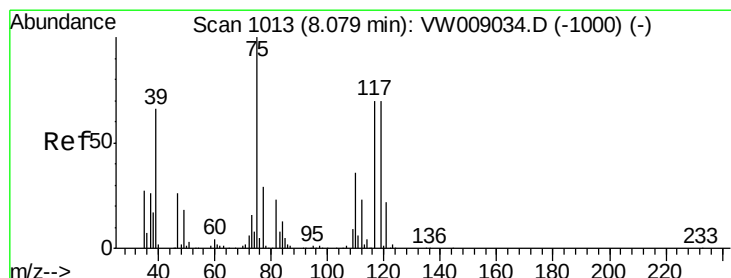
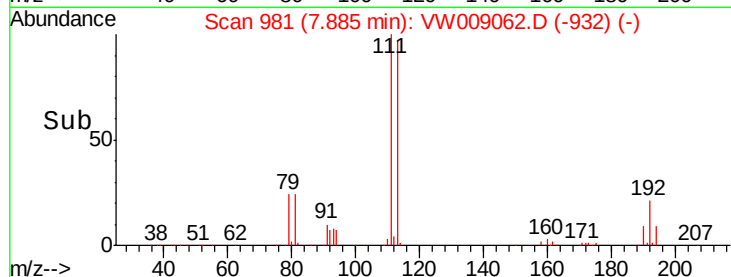
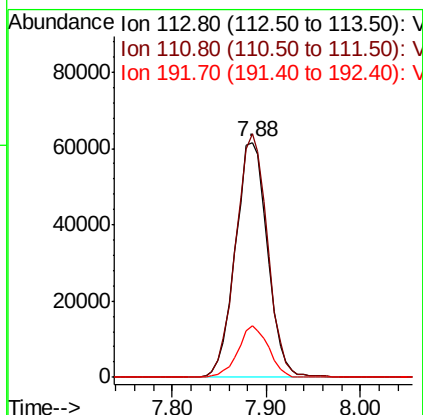
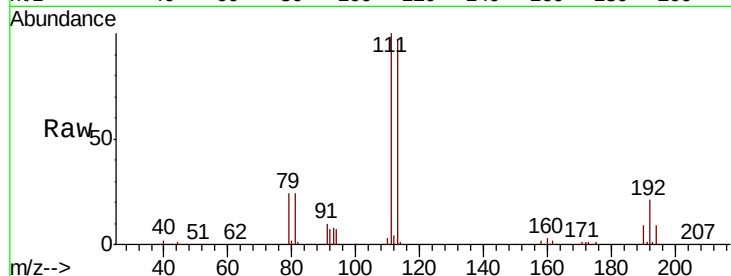




#35
 Dibromofluoromethane
 Concen: 52.368 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009062.D
 Acq: 08 Mar 2019 18:37

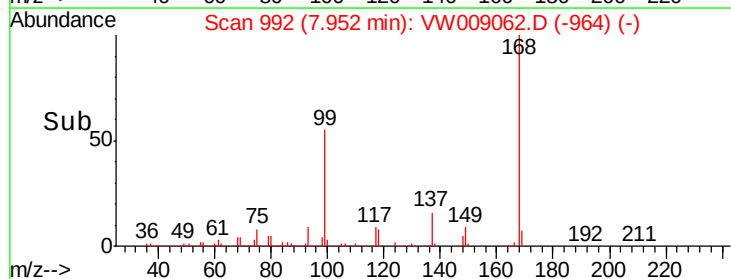
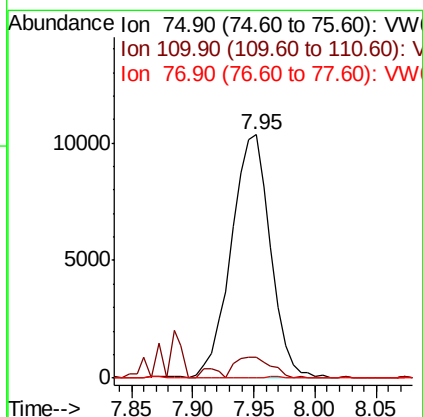
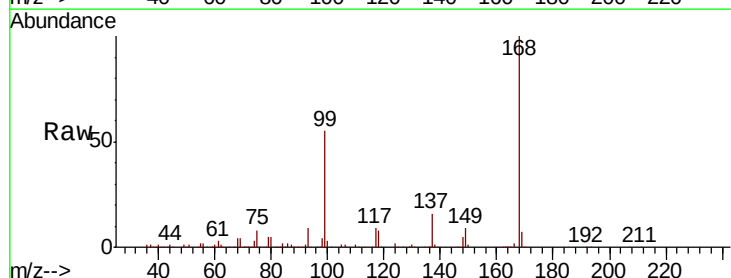
Instrument :
 MSVOA_W
 ClientSampled :
 TP-21

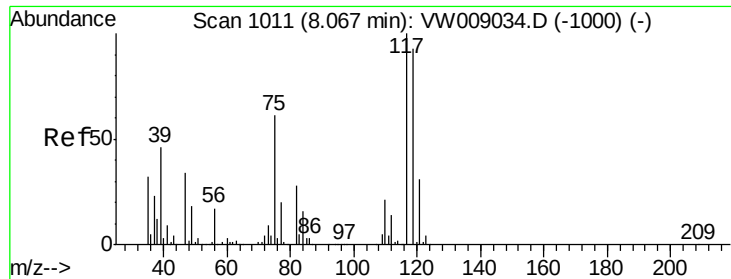
Tot Ion:113 Resp: 147048
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.0 121.4
 192 20.8 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.723 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW009062.D
 Acq: 08 Mar 2019 18:37

Tgt Ion: 75 Resp: 23031
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.6 52.9#
 77 0.2 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.691 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW009062.D

Acq: 08 Mar 2019 18:37

Instrument :

MSVOA_W

ClientSampled :

TP-21

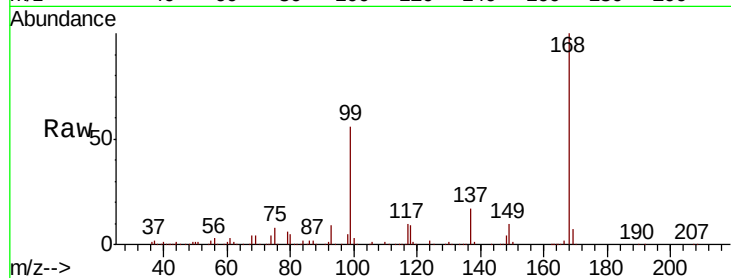
Tot Ion:117 Resp: 28663

Ion Ratio Lower Upper

117 100

119 8.3 74.6 112.0#

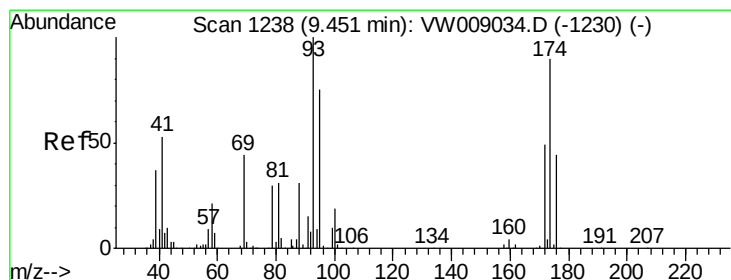
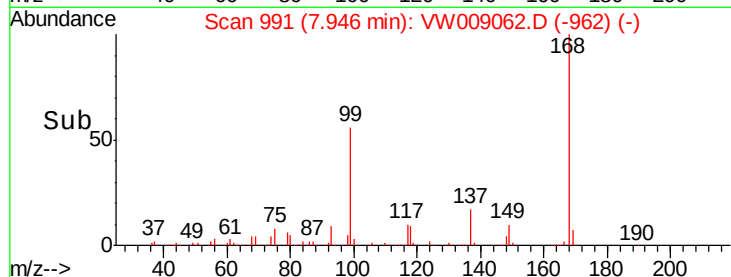
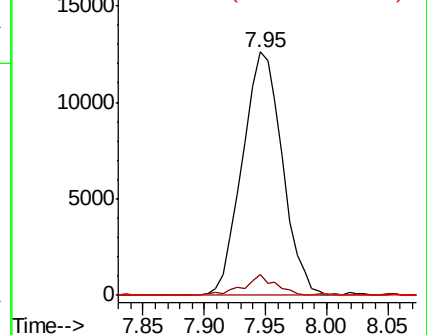
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 1.137 ug/l

RT: 9.52 min Scan# 1249

Delta R.T. 0.07 min

Lab File: VW009062.D

Acq: 08 Mar 2019 18:37

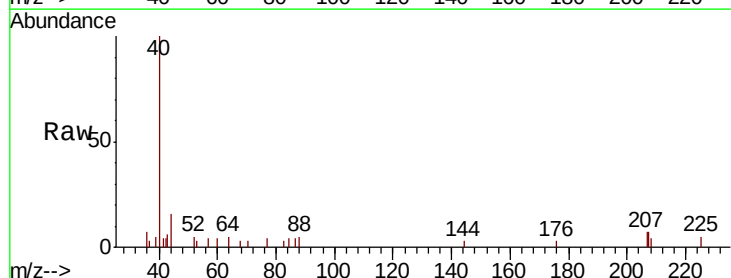
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 127.6 29.0 43.4#

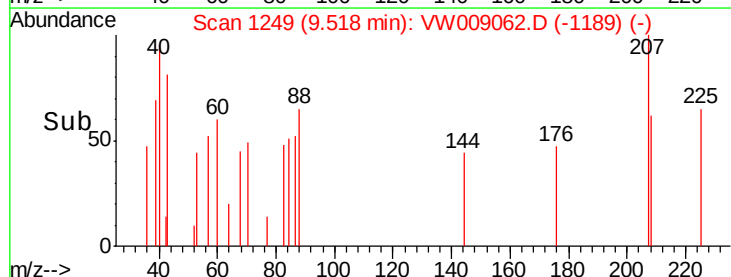
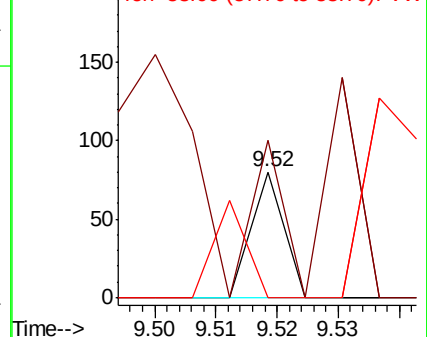
58 79.3 59.2 88.8

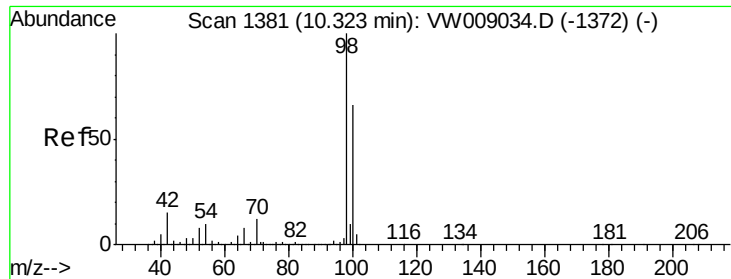


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

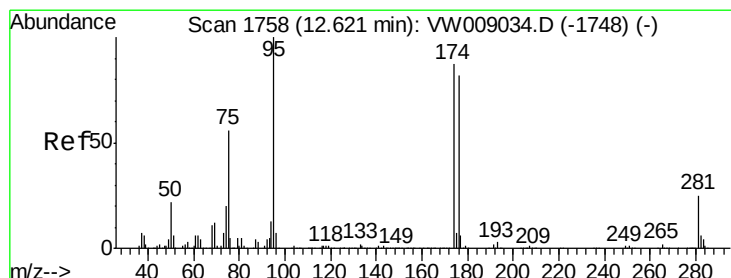
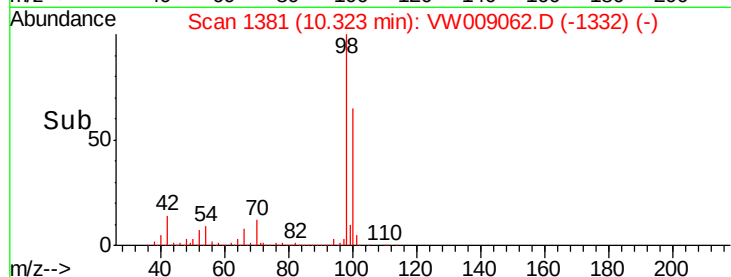
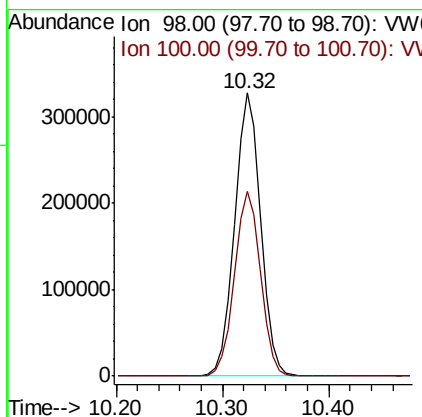
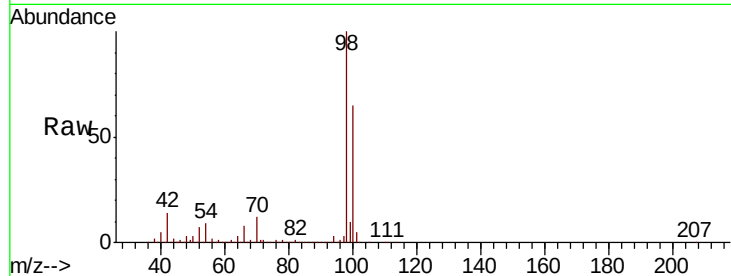




#50
Toluene-d8
Concen: 48.750 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009062.D
Acq: 08 Mar 2019 18:37

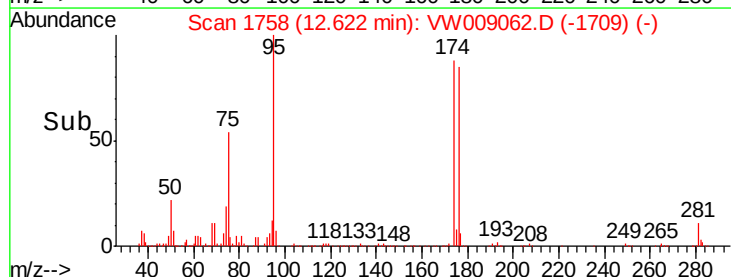
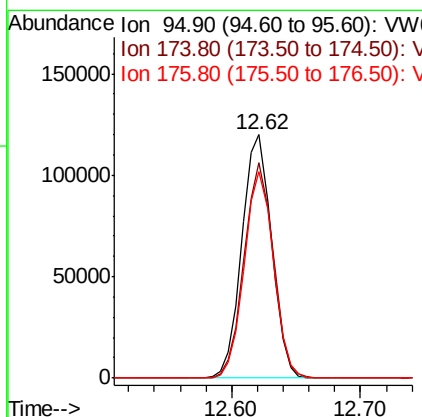
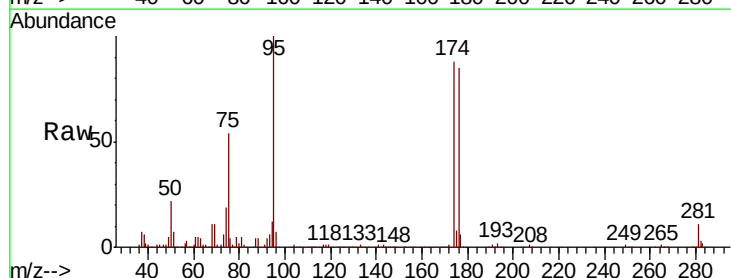
Instrument :
MSVOA_W
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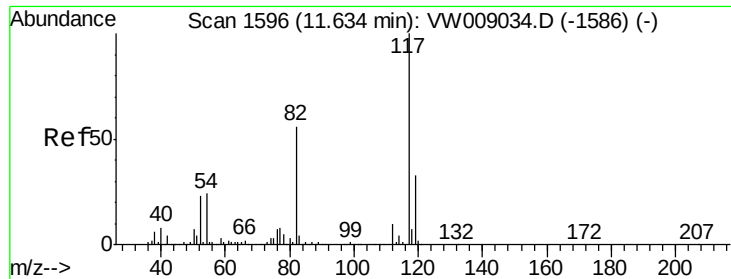
Tot Ion: 98 Resp: 562224
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 42.119 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW009062.D
Acq: 08 Mar 2019 18:37

Tgt Ion: 95 Resp: 191222
Ion Ratio Lower Upper
95 100
174 87.0 0.0 167.0
176 83.4 0.0 159.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW009062.D

Acq: 08 Mar 2019 18:37

Instrument :

MSVOA_W

ClientSampleId :

TP-21

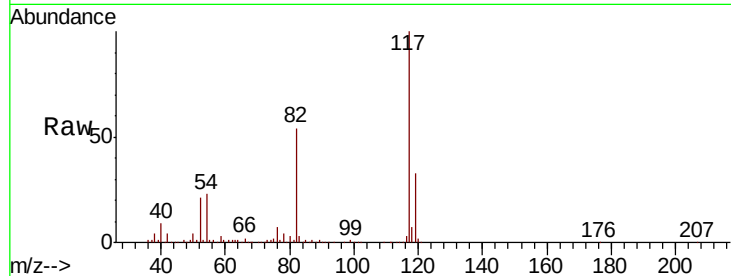
Tot Ion:117 Resp: 425901

Ion Ratio Lower Upper

117 100

82 53.5 45.0 67.6

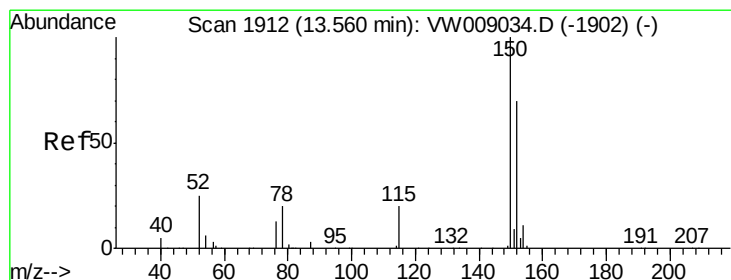
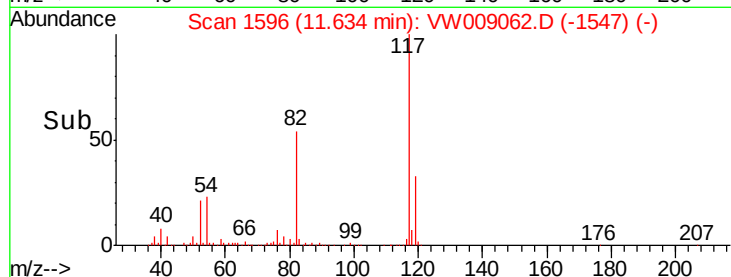
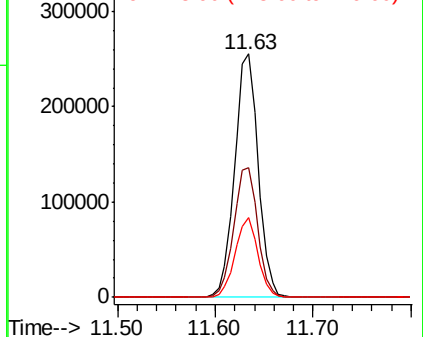
119 32.6 26.6 39.8



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: VW009062.D

Acq: 08 Mar 2019 18:37

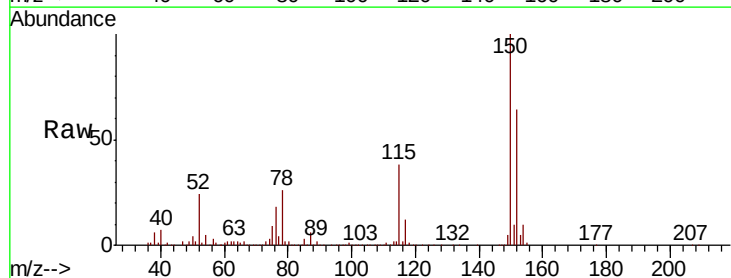
Tgt Ion:152 Resp: 200776

Ion Ratio Lower Upper

152 100

115 57.3 28.9 86.7

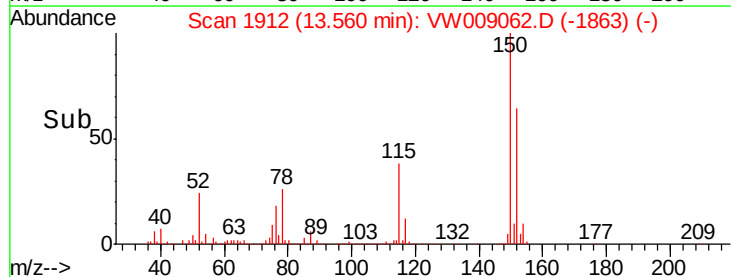
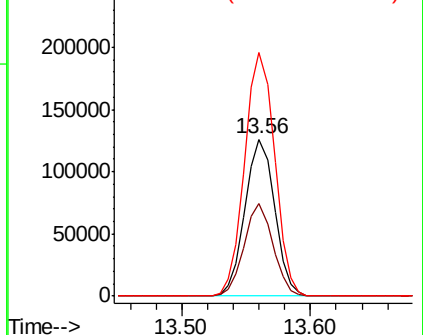
150 157.0 0.0 349.2

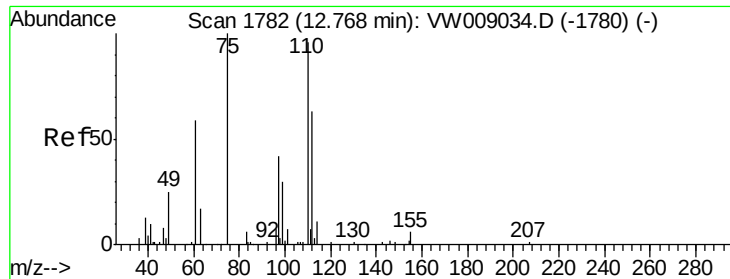


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 66.564 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009062.D

Acq: 08 Mar 2019 18:37

Instrument :

MSVOA_W

ClientSampled :

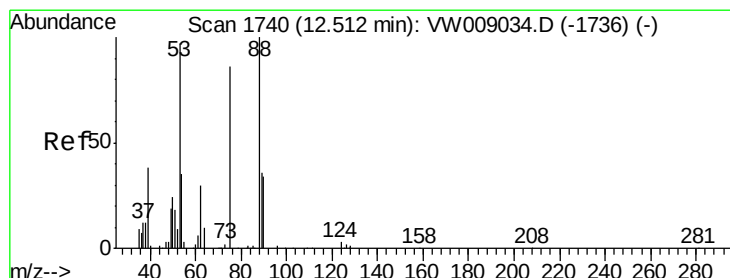
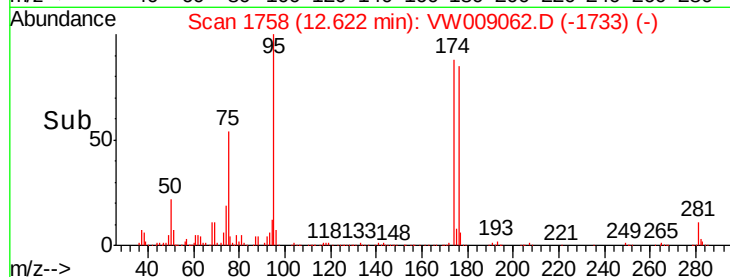
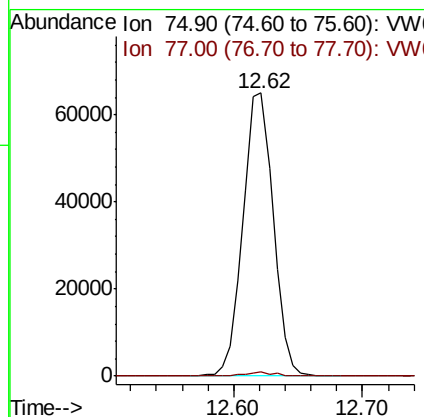
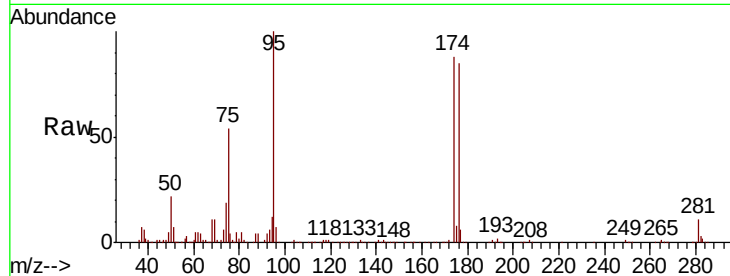
TP-21

Tot Ion: 75 Resp: 105591

Ion Ratio Lower Upper

75 100

77 1.4 186.7 560.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 148.887 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009062.D

Acq: 08 Mar 2019 18:37

Tgt Ion: 75 Resp: 105591

Ion Ratio Lower Upper

75 100

53 0.2 90.5 135.7#

89 0.0 37.5 56.3#

