

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090319\
 Data File : VW012553.D
 Acq On : 03 Sep 2019 18:04
 Operator : SY/VA
 Sample : K4514-05RE
 Misc : 5.21G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-2.0-2.5-082319RE

Quant Time: Sep 03 18:50:07 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	230894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	363331	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	239034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	57281	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	149418	54.44	ug/l	0.00
Spiked Amount			Recovery	=	108.88%	
35) Dibromofluoromethane	7.88	113	115188	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	
50) Toluene-d8	10.32	98	425406	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	12.62	95	86490	27.90	ug/l	0.00
Spiked Amount			Recovery	=	55.80%	

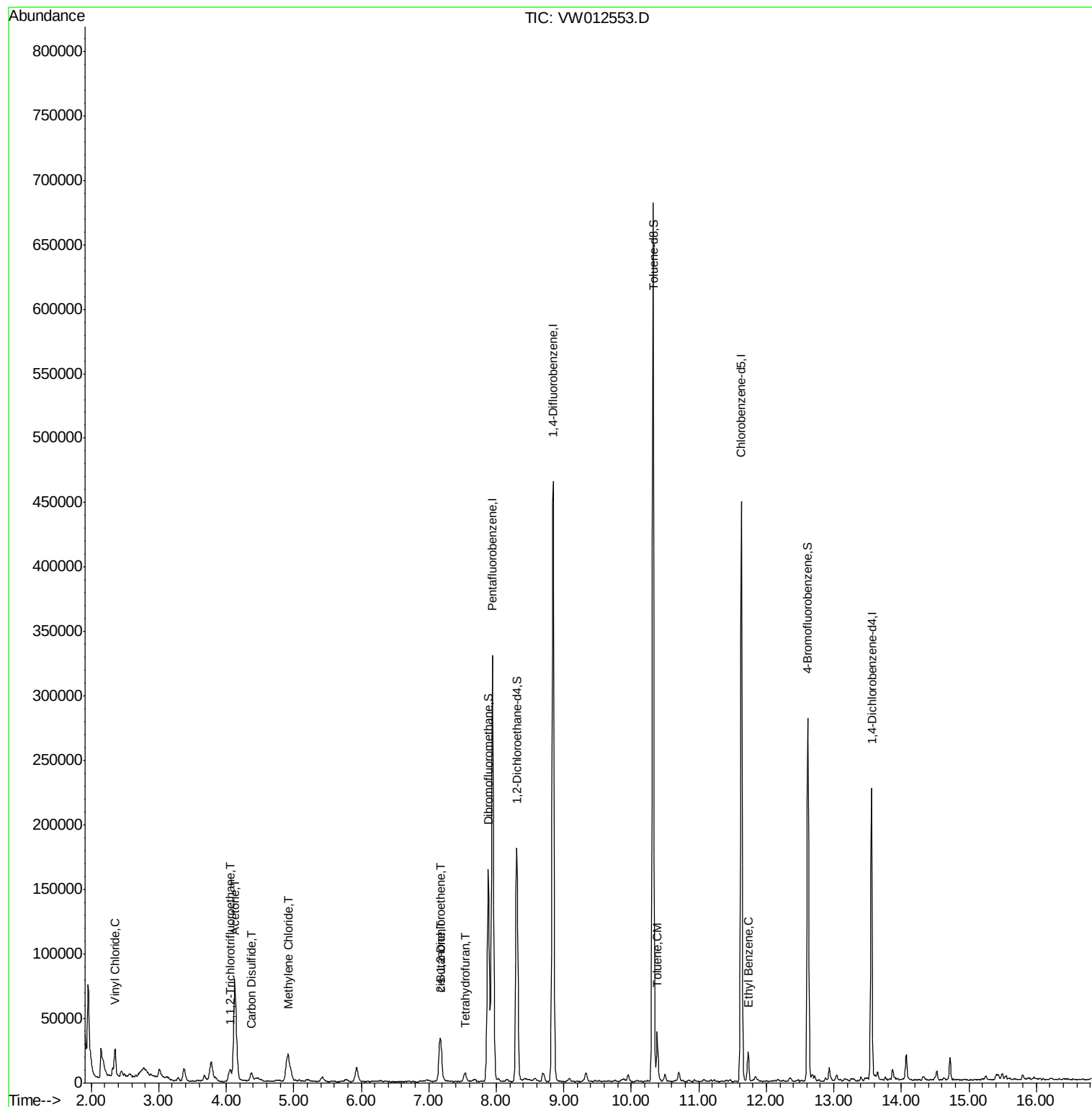
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.36	62	6045	2.242	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.06	101	6771	2.943	ug/l	96
16) Acetone	4.13	43	152548	217.423	ug/l	100
17) Carbon Disulfide	4.38	76	13849	1.979	ug/l	95
20) Methylene Chloride	4.91	84	14536	5.480	ug/l	96
25) 2-Butanone	7.18	43	34476	36.160	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	9105	3.431	ug/l	92
29) Tetrahydrofuran	7.54	42	5791	10.124	ug/l	98
52) Toluene	10.38	92	15035	2.441	ug/l	100
67) Ethyl Benzene	11.73	91	14149	1.561	ug/l	97

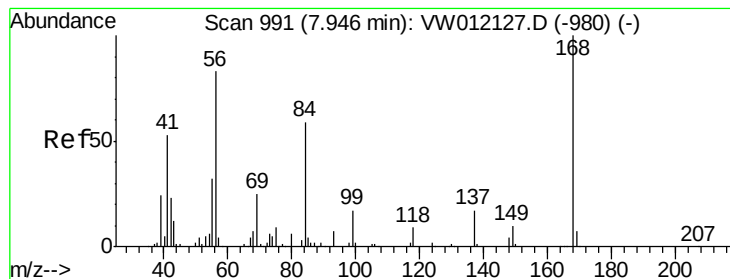
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012553.D

Acq: 03 Sep 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

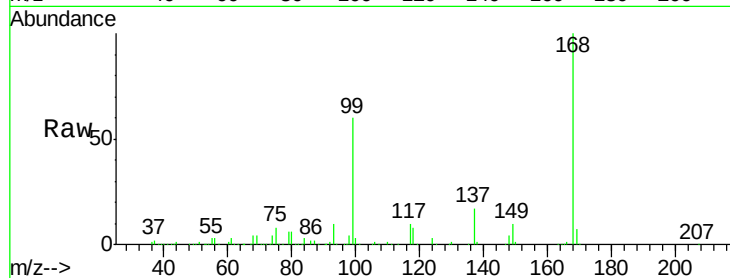
S602-M-2.0-2.5-082319RE

Tot Ion:168 Resp: 230894

Ion Ratio Lower Upper

168 100

99 60.2 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

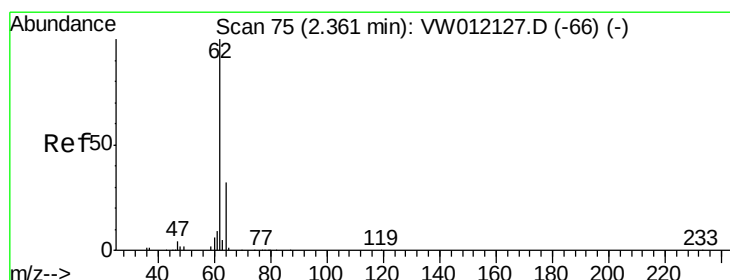
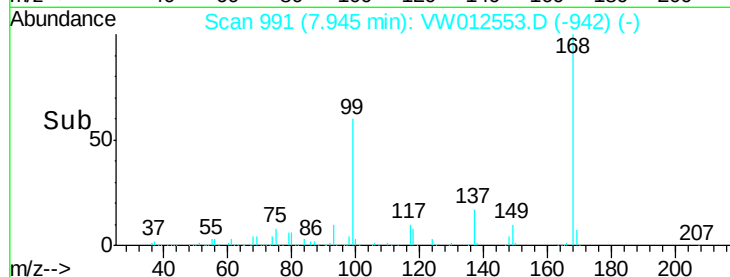
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#4

Vinyl Chloride

Concen: 2.242 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012553.D

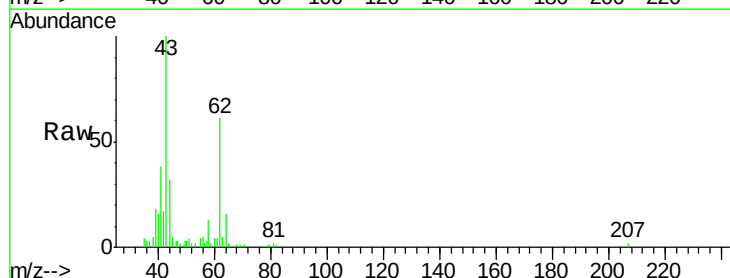
Acq: 03 Sep 2019 18:04

Tgt Ion: 62 Resp: 6045

Ion Ratio Lower Upper

62 100

64 25.7 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

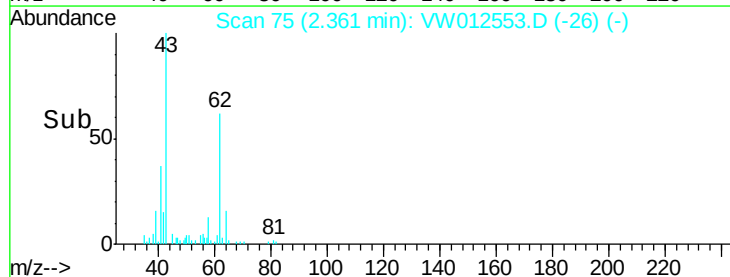
3000

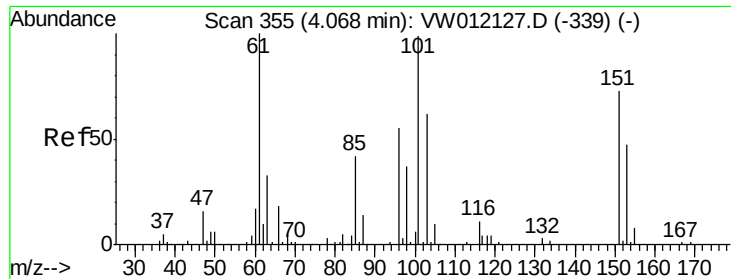
2000

1000

0

Time--> 2.30 2.35 2.40 2.45





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.943 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012553.D

Acq: 03 Sep 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

S602-M-2.0-2.5-082319RE

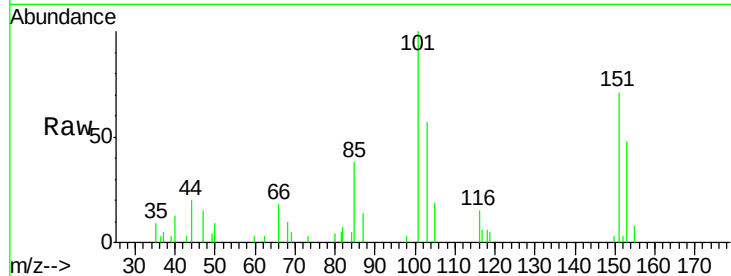
Tot Ion:101 Resp: 6771

Ion Ratio Lower Upper

101 100

85 43.1 35.8 53.6

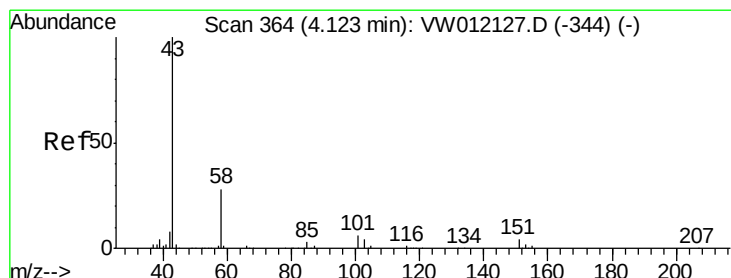
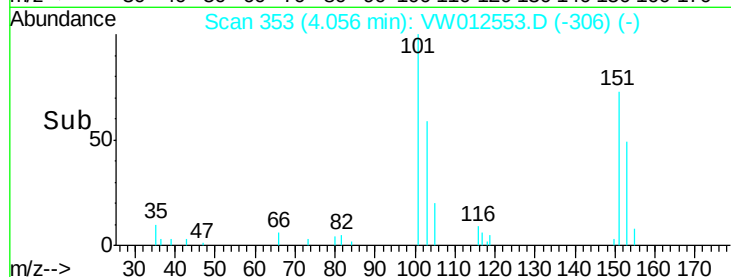
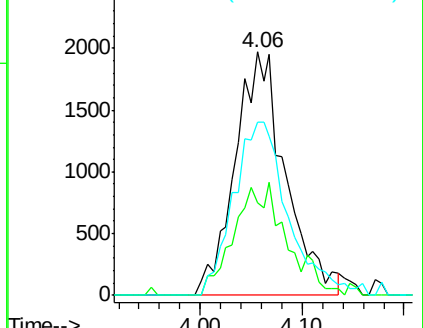
151 77.3 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#16

Acetone

Concen: 217.423 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012553.D

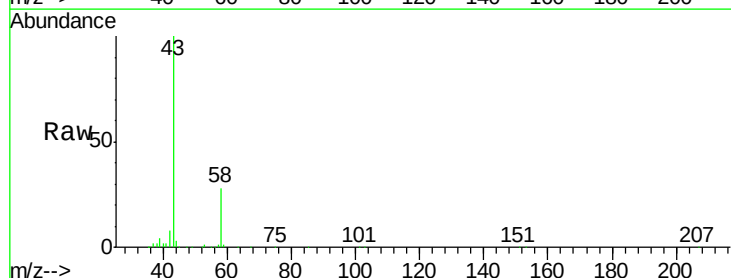
Acq: 03 Sep 2019 18:04

Tgt Ion: 43 Resp: 152548

Ion Ratio Lower Upper

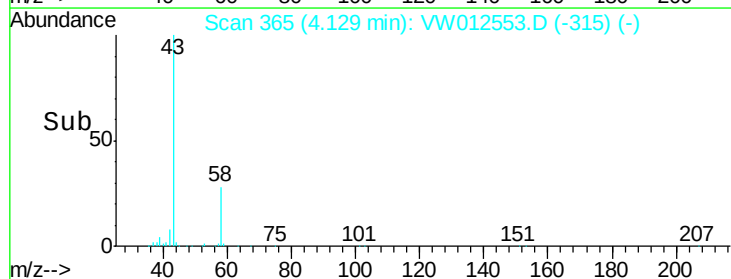
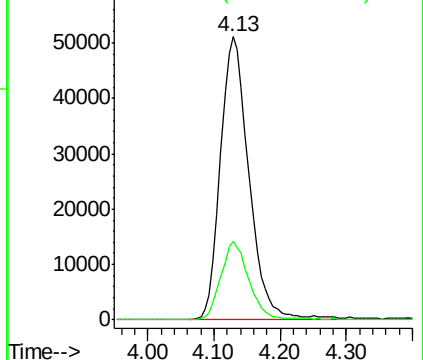
43 100

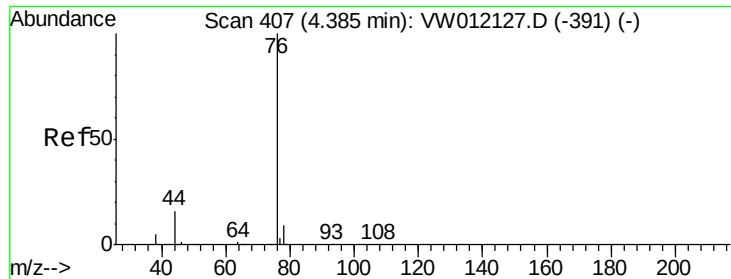
58 27.8 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 1.979 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012553.D

Acq: 03 Sep 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

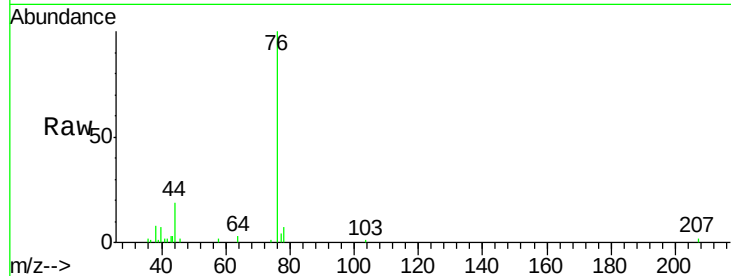
S602-M-2.0-2.5-082319RE

Tot Ion: 76 Resp: 13849

Ion Ratio Lower Upper

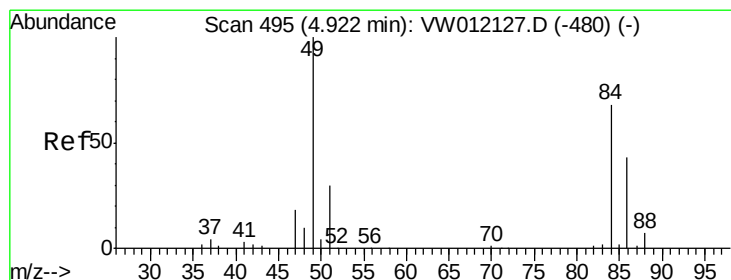
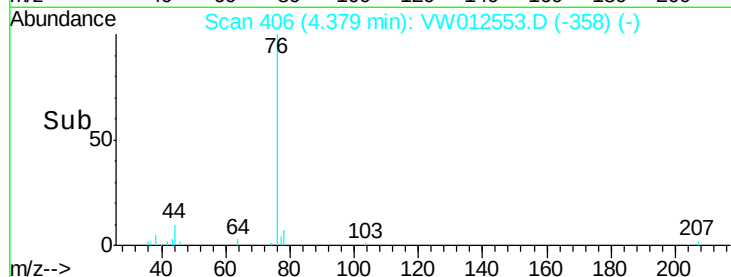
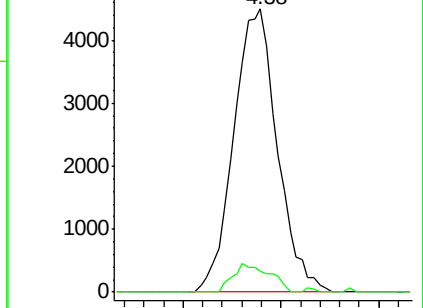
76 100

78 7.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 5.480 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012553.D

Acq: 03 Sep 2019 18:04

Tgt Ion: 84 Resp: 14536

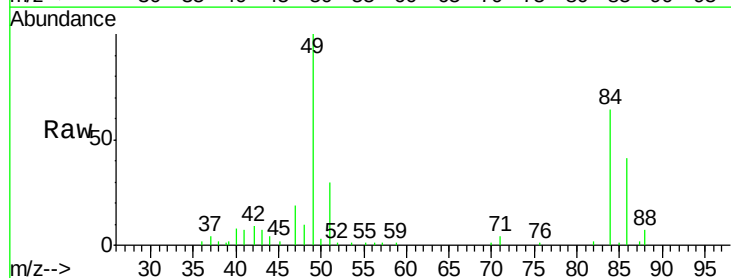
Ion Ratio Lower Upper

84 100

49 155.2 117.8 176.8

51 46.3 35.6 53.4

86 64.1 51.2 76.8

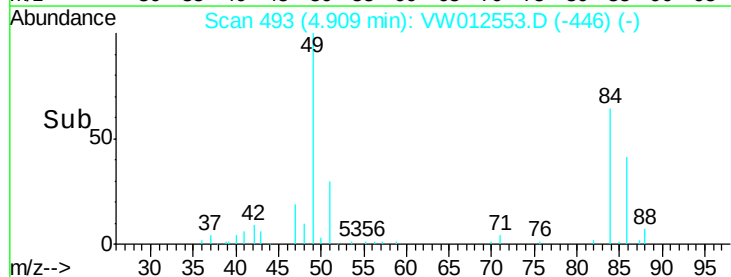
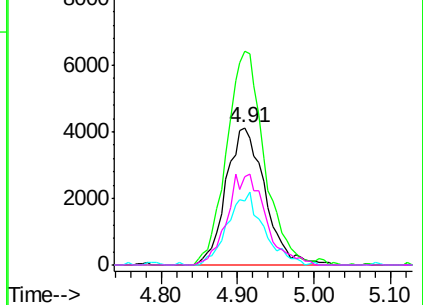


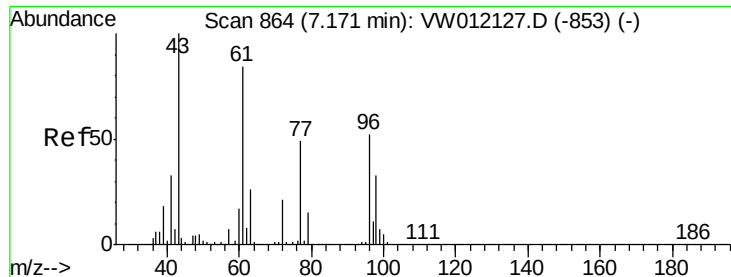
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 36.160 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012553.D

Acq: 03 Sep 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

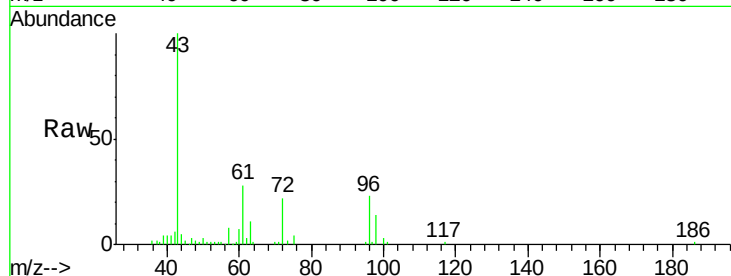
S602-M-2.0-2.5-082319RE

Tot Ion: 43 Resp: 34476

Ion Ratio Lower Upper

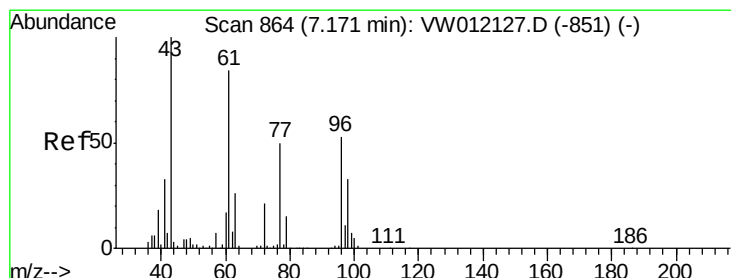
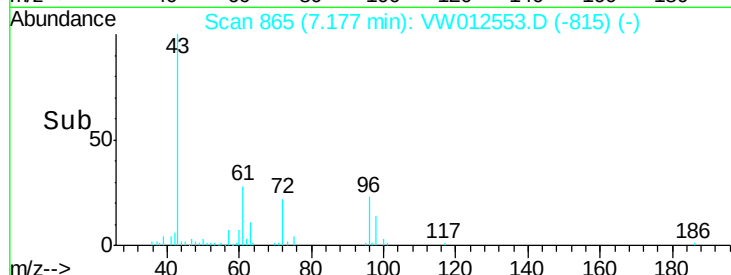
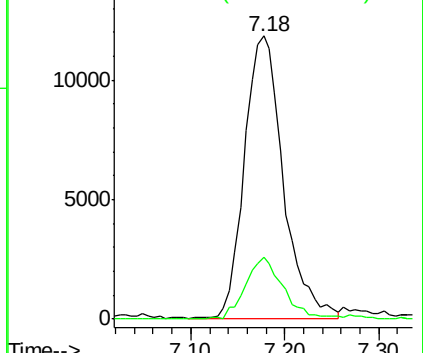
43 100

72 22.0 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#27

cis-1,2-Dichloroethene

Concen: 3.431 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012553.D

Acq: 03 Sep 2019 18:04

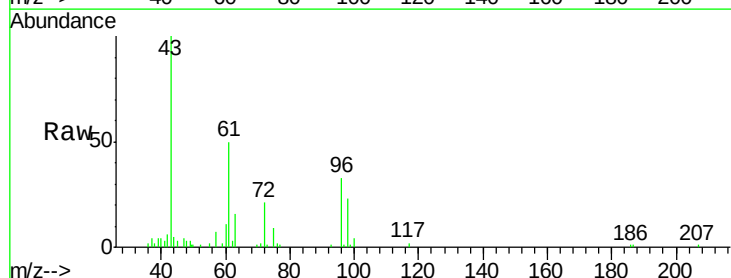
Tgt Ion: 96 Resp: 9105

Ion Ratio Lower Upper

96 100

61 150.5 0.0 326.6

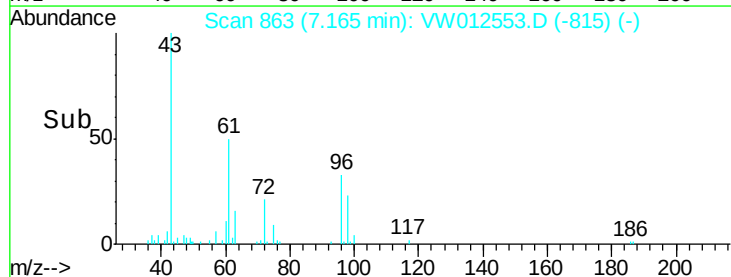
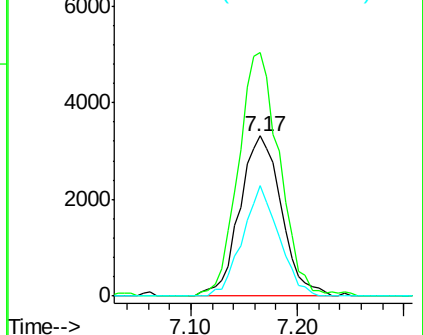
98 60.4 0.0 127.4

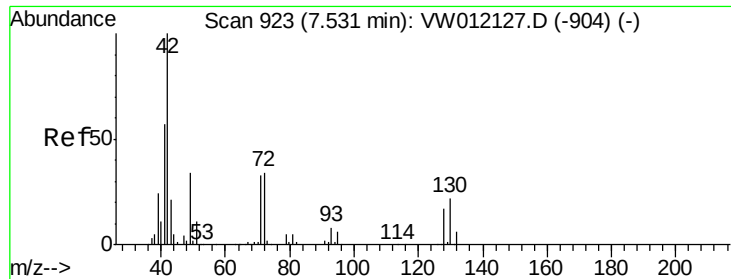


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

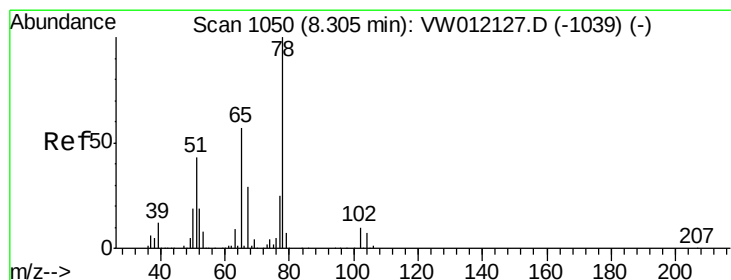
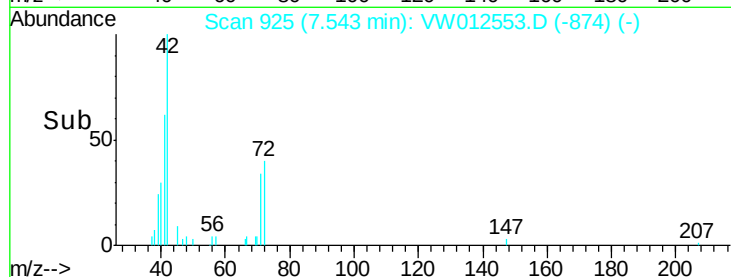
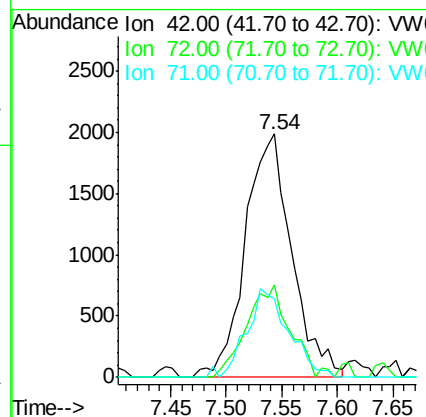
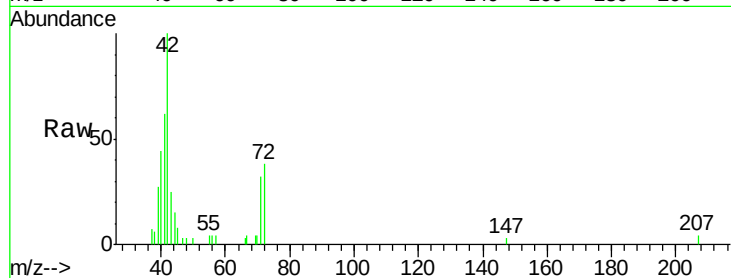




#29
Tetrahydrofuran
Concen: 10.124 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012553.D
Acq: 03 Sep 2019 18:04

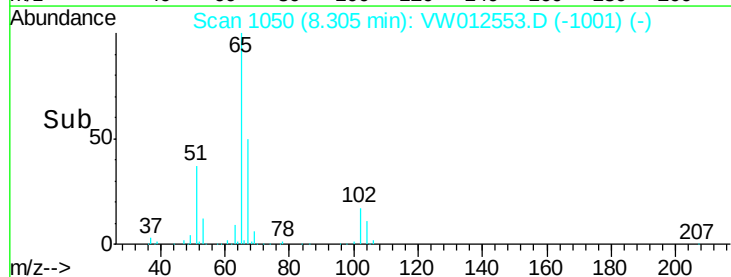
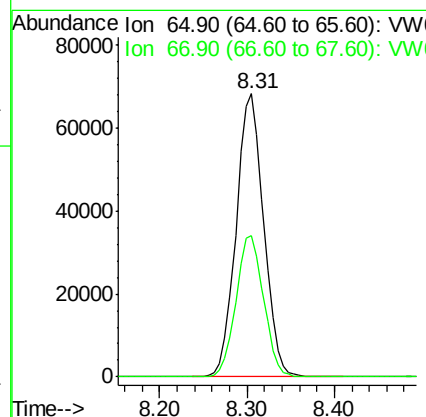
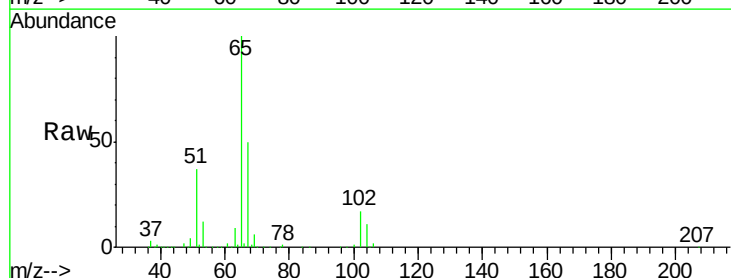
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S602-M-2.0-2.5-082319RE

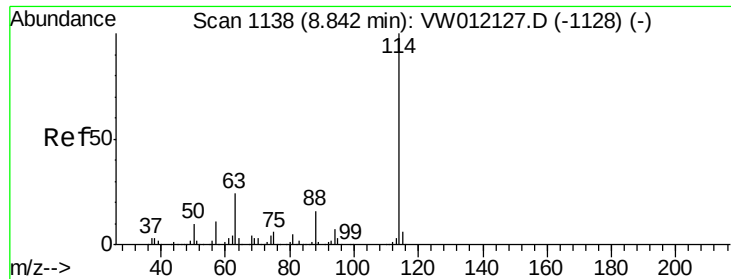
Tot Ion: 42 Resp: 5791
Ion Ratio Lower Upper
42 100
72 35.6 27.3 40.9
71 33.1 25.5 38.3



#33
1,2-Dichloroethane-d4
Concen: 54.437 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012553.D
Acq: 03 Sep 2019 18:04

Tgt Ion: 65 Resp: 149418
Ion Ratio Lower Upper
65 100
67 50.2 0.0 102.6

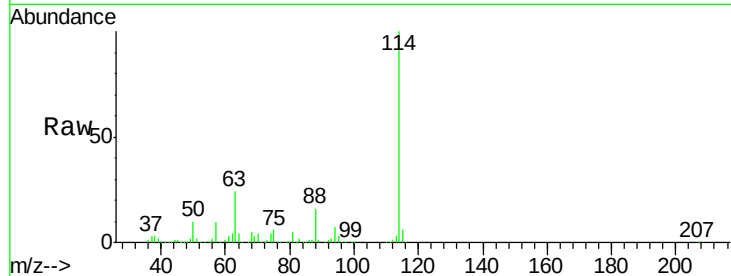




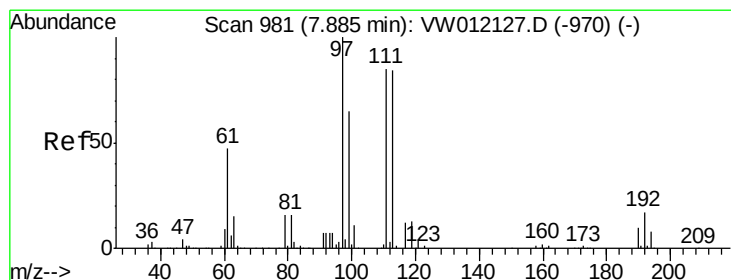
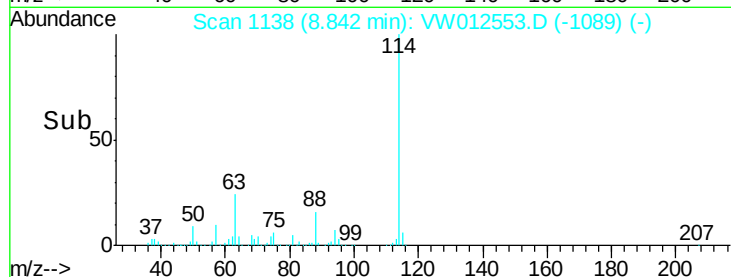
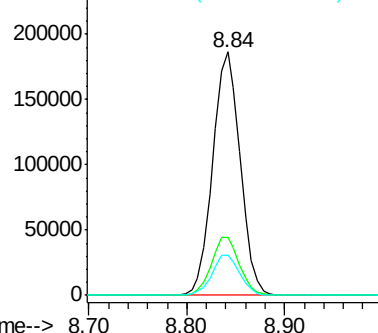
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012553.D
 Acq: 03 Sep 2019 18:04

Instrument :
 MSVOA_W
 ClientSampleId :
 S602-M-2.0-2.5-082319RE

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	48.6
88	16.3	0.0	32.2

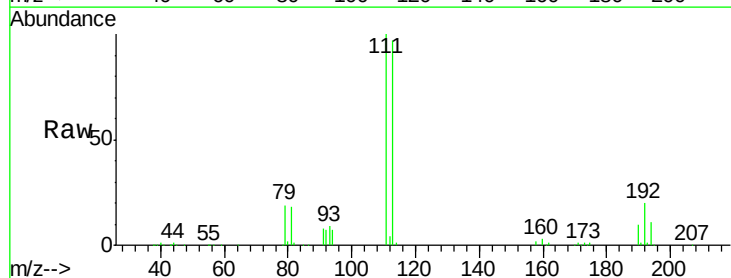


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

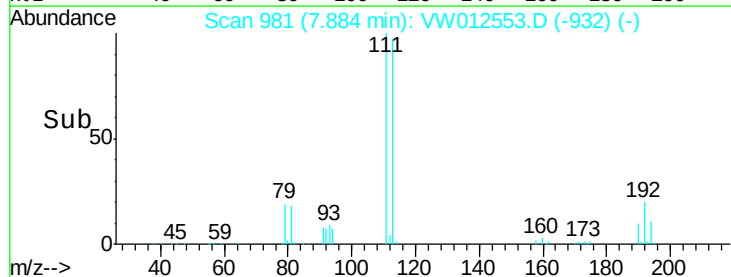
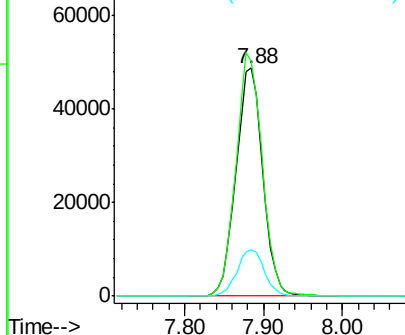


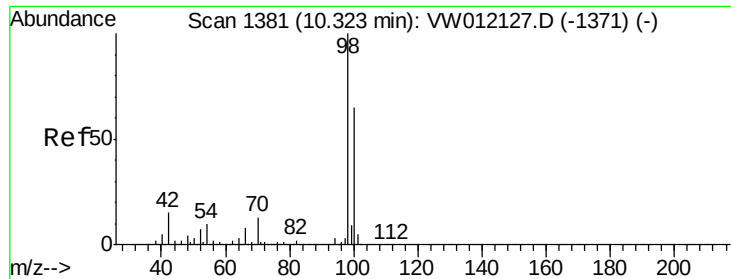
#35
 Dibromofluoromethane
 Concen: 53.113 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012553.D
 Acq: 03 Sep 2019 18:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.8	82.7	124.1
192	20.8	16.2	24.2



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





#50

Toluene-d8

Concen: 48.377 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012553.D

Acq: 03 Sep 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

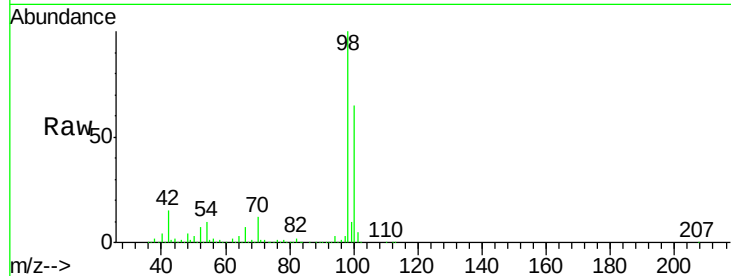
S602-M-2.0-2.5-082319RE

Tot Ion: 98 Resp: 425406

Ion Ratio Lower Upper

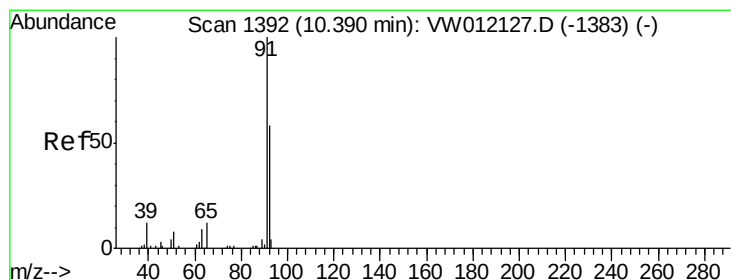
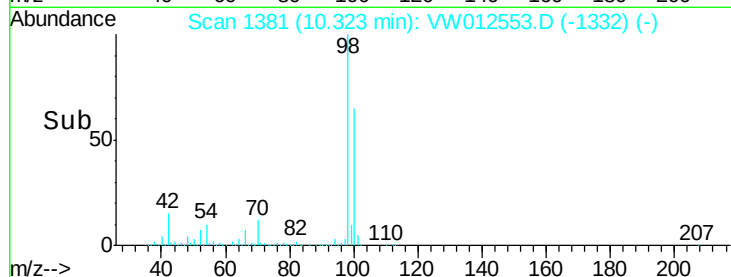
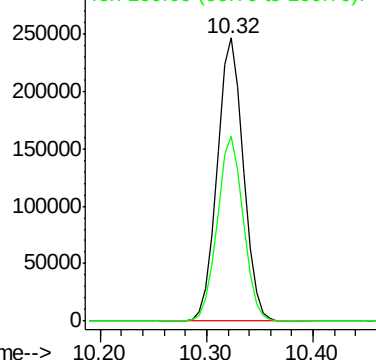
98 100

100 64.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 2.441 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012553.D

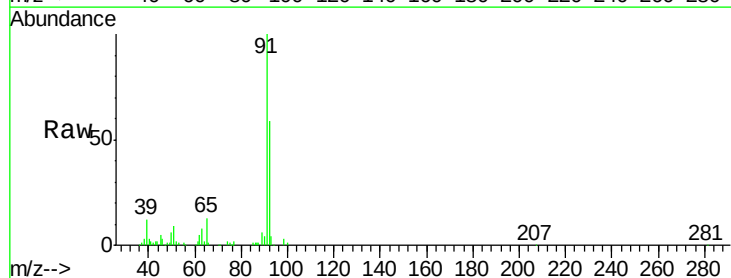
Acq: 03 Sep 2019 18:04

Tgt Ion: 92 Resp: 15035

Ion Ratio Lower Upper

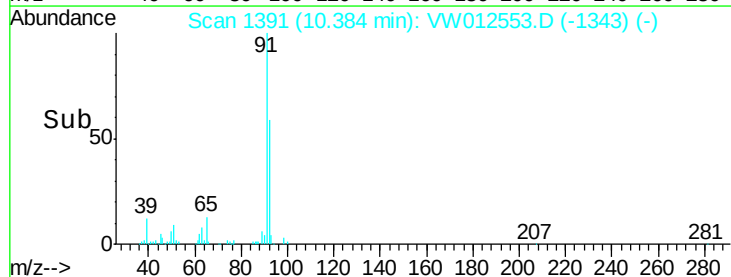
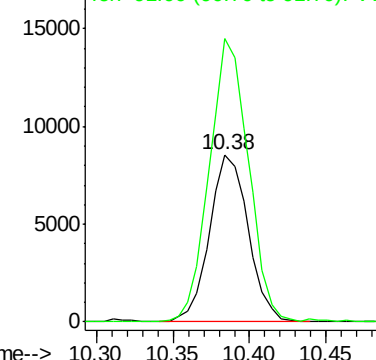
92 100

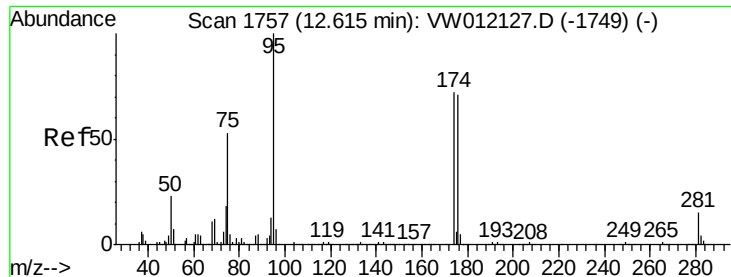
91 171.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#62

4-Bromofluorobenzene

Concen: 27.902 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012553.D

Acq: 03 Sep 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

S602-M-2.0-2.5-082319RE

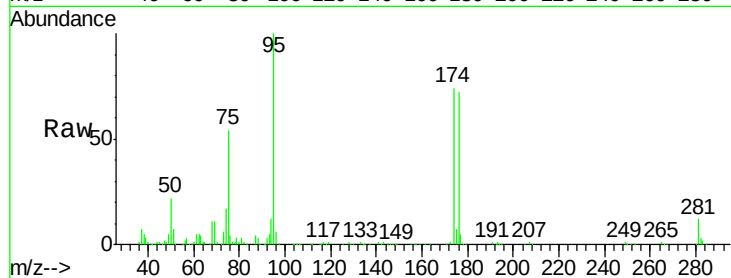
Tot Ion: 95 Resp: 86490

Ion Ratio Lower Upper

95 100

174 78.7 0.0 150.8

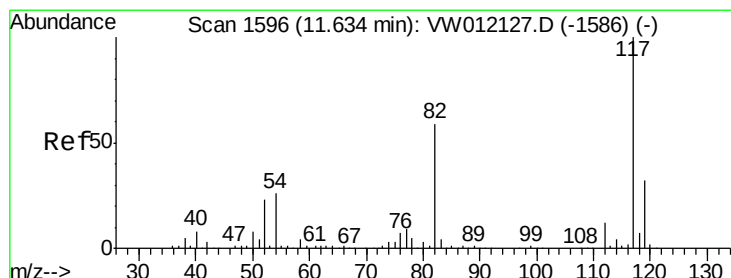
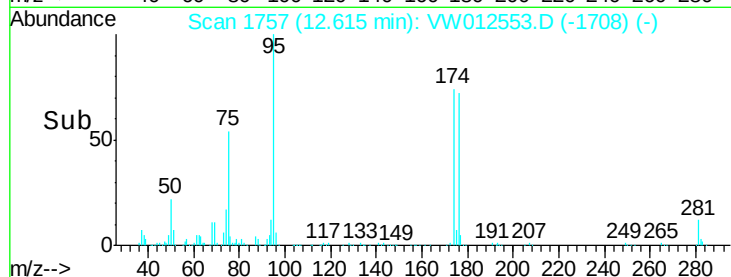
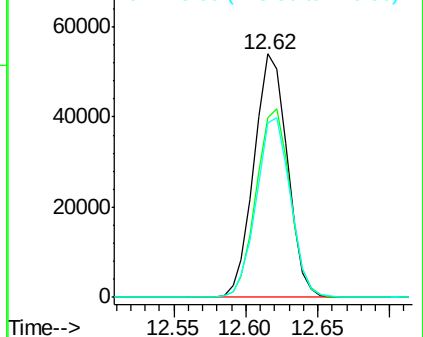
176 75.3 0.0 148.6



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: VW012553.D

Acq: 03 Sep 2019 18:04

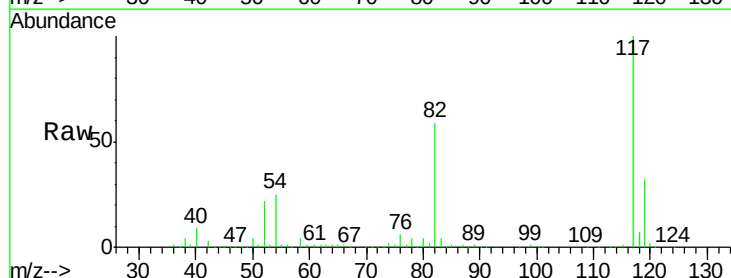
Tgt Ion: 117 Resp: 239034

Ion Ratio Lower Upper

117 100

82 58.6 47.4 71.2

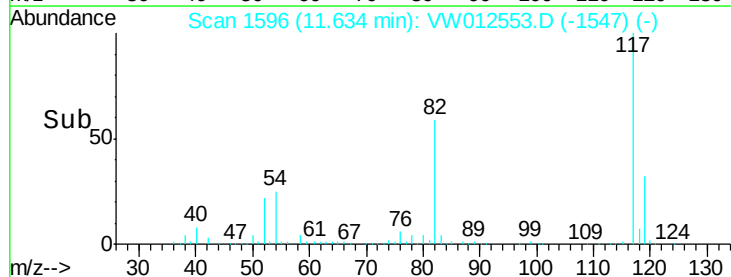
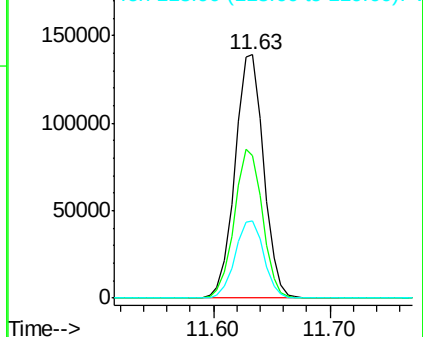
119 31.6 25.4 38.2

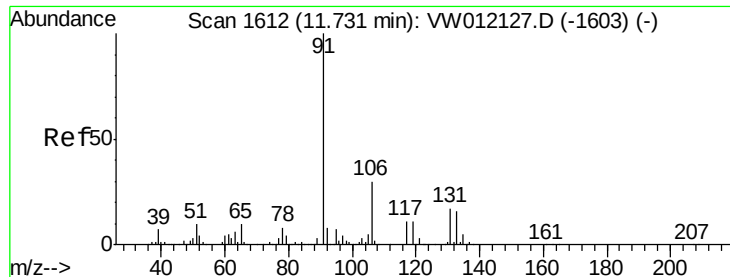


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#67

Ethyl Benzene

Concen: 1.561 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012553.D

Acq: 03 Sep 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

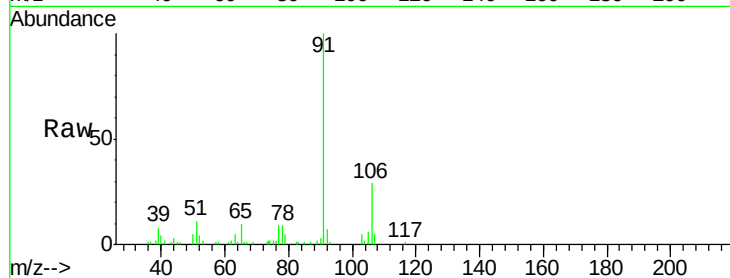
S602-M-2.0-2.5-082319RE

Tot Ion: 91 Resp: 14149

Ion Ratio Lower Upper

91 100

106 28.7 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

10000

8000

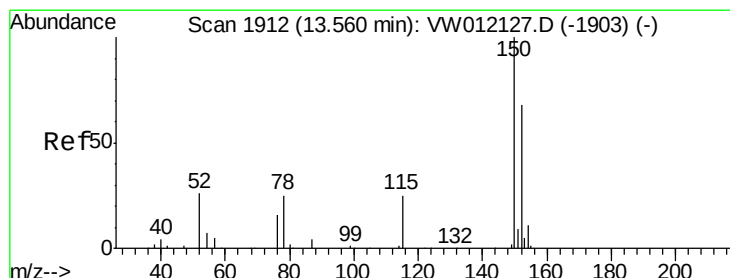
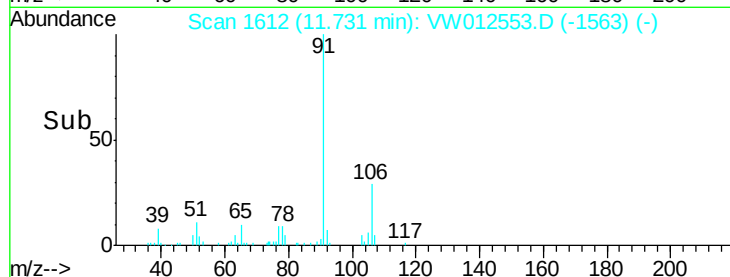
6000

4000

2000

0

Time--> 11.65 11.70 11.75 11.80



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012553.D

Acq: 03 Sep 2019 18:04

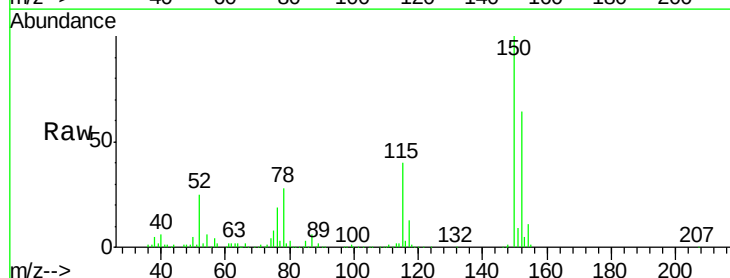
Tgt Ion: 152 Resp: 57281

Ion Ratio Lower Upper

152 100

115 59.4 30.1 90.3

150 154.9 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

60000

40000

20000

0

Time--> 13.50 13.56 13.60

