

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083019\
 Data File : VW012347.D
 Acq On : 30 Aug 2019 13:34
 Operator : SY/VA
 Sample : K4620-02
 Misc : 6.71G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S500-K2-19.5-20.0-082919-FD

Quant Time: Aug 30 16:53:31 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	200416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	329063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	275845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	118356	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	130185	54.64	ug/l	0.00
Spiked Amount			Recovery	=	109.28%	
35) Dibromofluoromethane	7.88	113	100485	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
50) Toluene-d8	10.32	98	401606	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.62	95	131391	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	

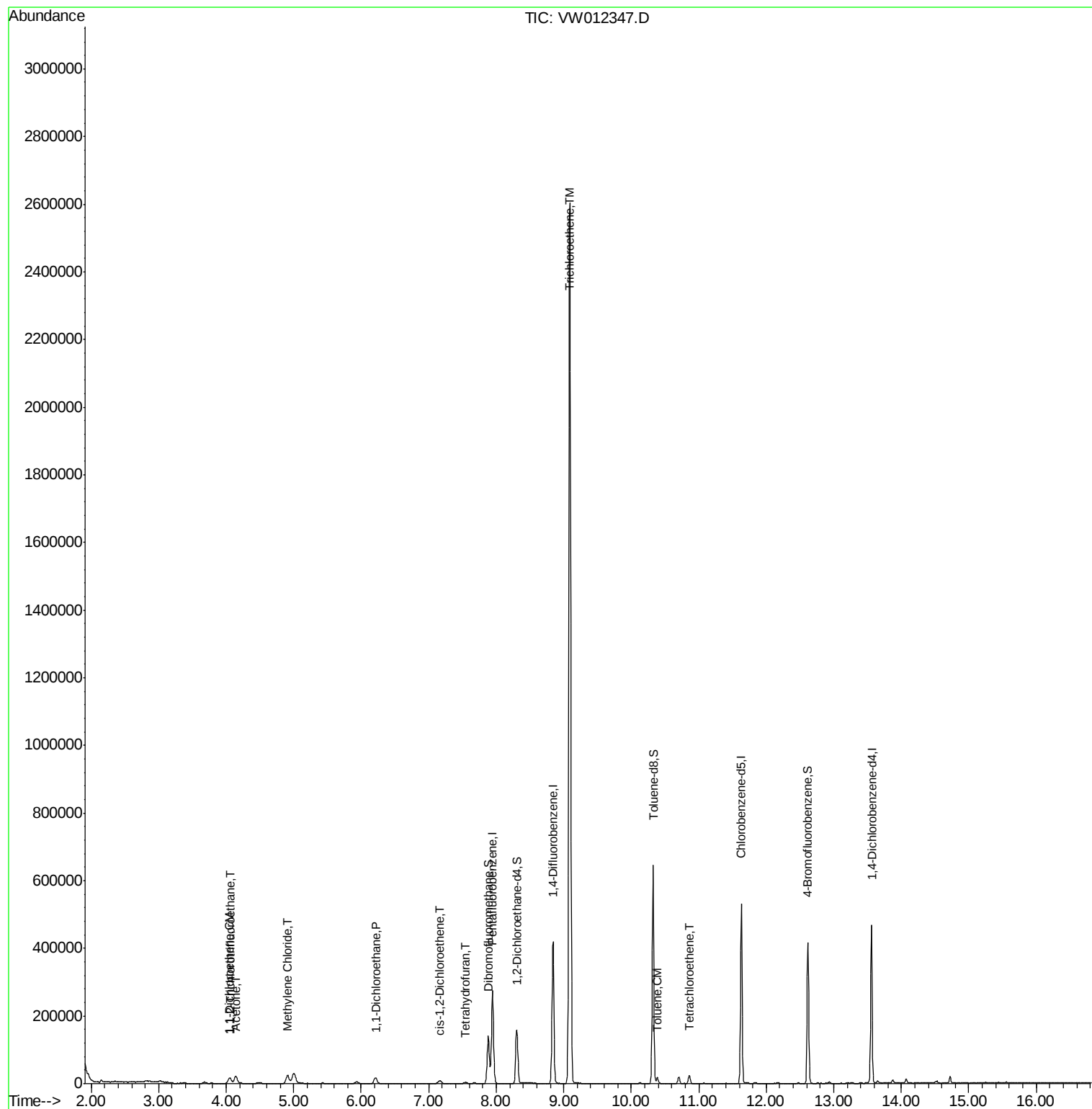
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	4.06	101	9133	4.573	ug/l	93
12) 1,1-Dichloroethene	4.04	96	3465	1.724	ug/l	93
16) Acetone	4.14	43	42915	70.467	ug/l	98
20) Methylene Chloride	4.92	84	17059	7.410	ug/l	96
24) 1,1-Dichloroethane	6.21	63	24151	5.568	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	3217	1.397	ug/l	93
29) Tetrahydrofuran	7.54	42	3084	6.211	ug/l	96
44) Trichloroethene	9.09	130	885680	392.378	ug/l	98
52) Toluene	10.38	92	7567	1.357	ug/l	99
64) Tetrachloroethene	10.86	164	6075	3.397	ug/l	90

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
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: VW012347.D

Acq: 30 Aug 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

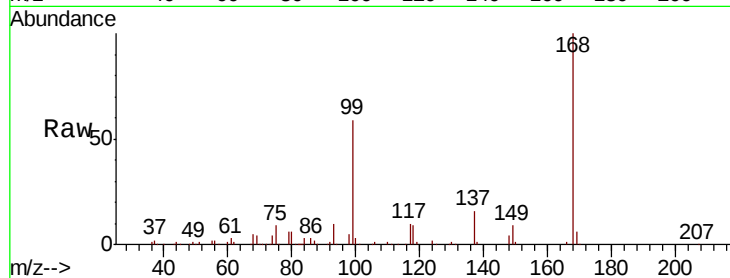
S500-K2-19.5-20.0-082919-FD

Tot Ion:168 Resp: 200416

Ion Ratio Lower Upper

168 100

99 59.5 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

100000

80000

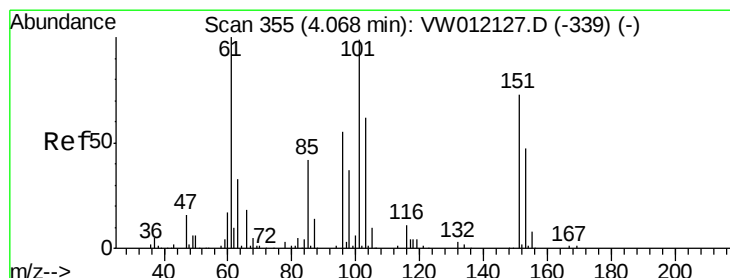
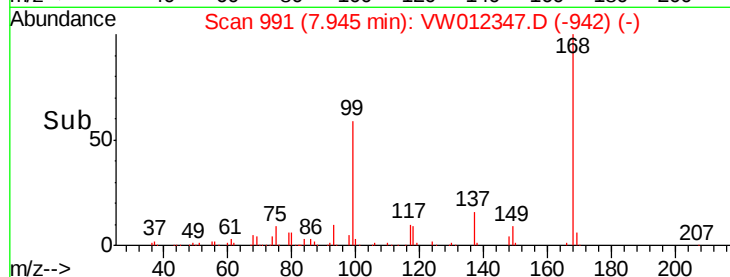
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.573 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012347.D

Acq: 30 Aug 2019 13:34

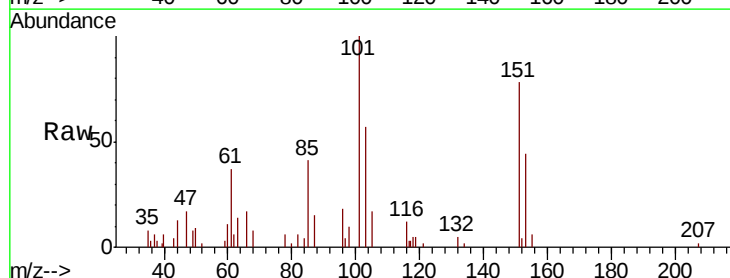
Tgt Ion:101 Resp: 9133

Ion Ratio Lower Upper

101 100

85 46.5 35.8 53.6

151 80.7 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

4.06

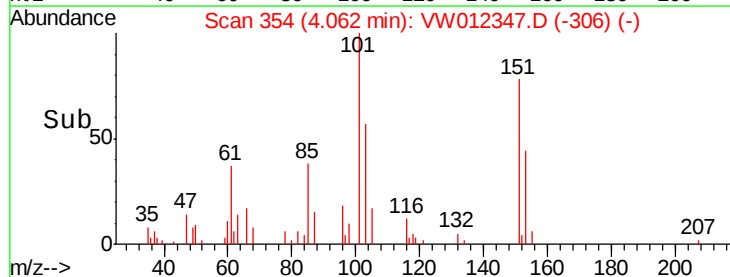
3000

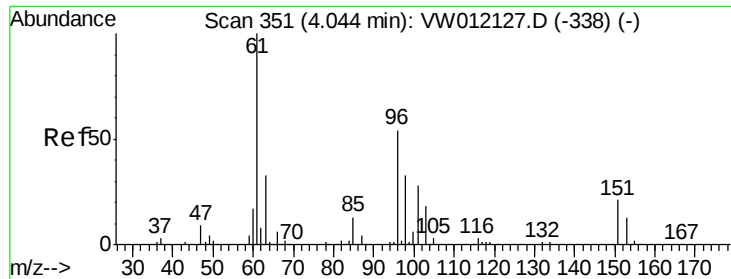
2000

1000

0

Time--> 3.95 4.00 4.05 4.10 4.15





#12

1,1-Dichloroethene

Concen: 1.724 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW012347.D

Acq: 30 Aug 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

S500-K2-19.5-20.0-082919-FD

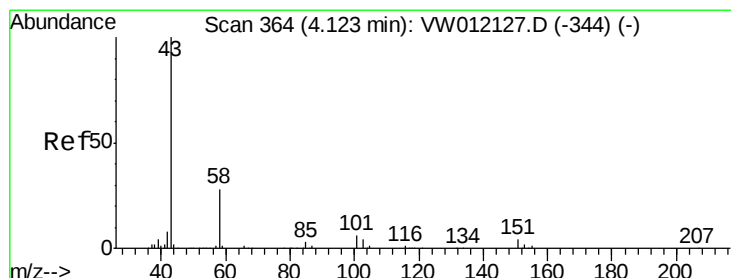
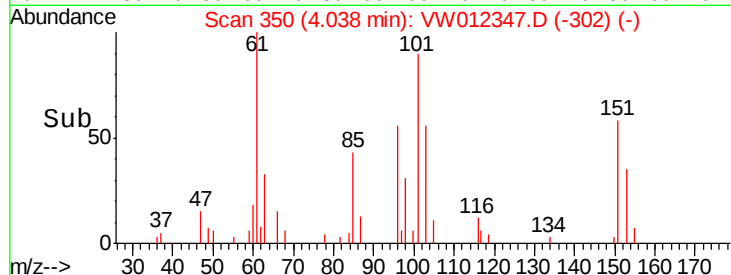
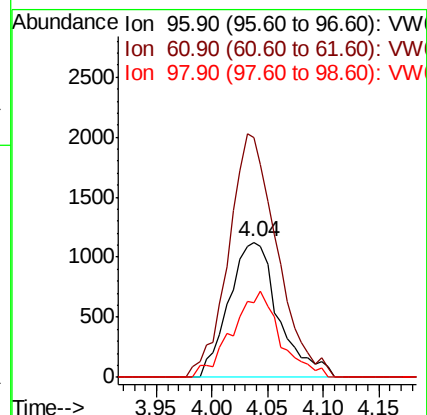
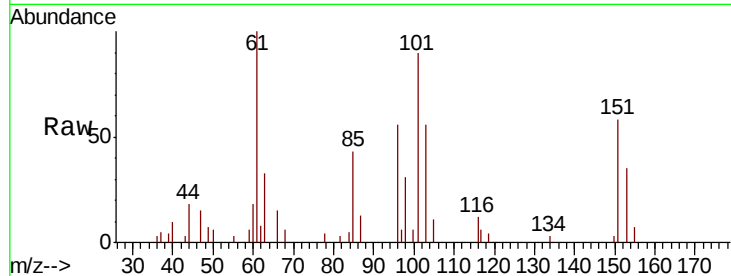
Tot Ion: 96 Resp: 3465

Ion Ratio Lower Upper

96 100

61 177.2 149.1 223.7

98 55.2 49.4 74.2



#16

Acetone

Concen: 70.467 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012347.D

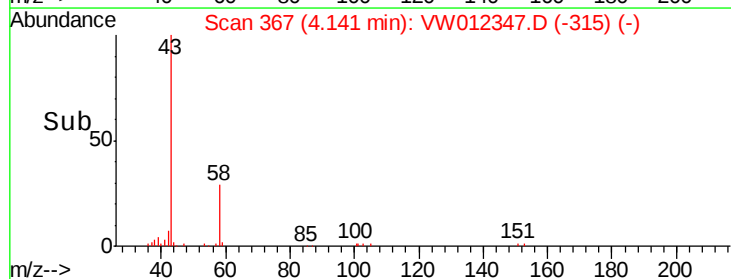
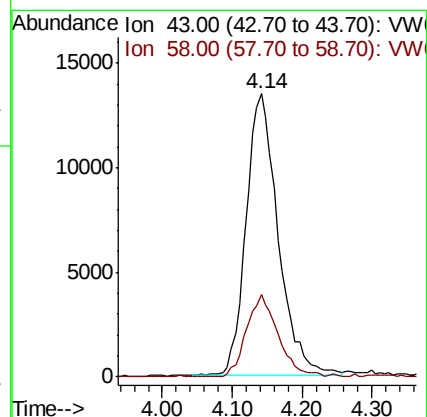
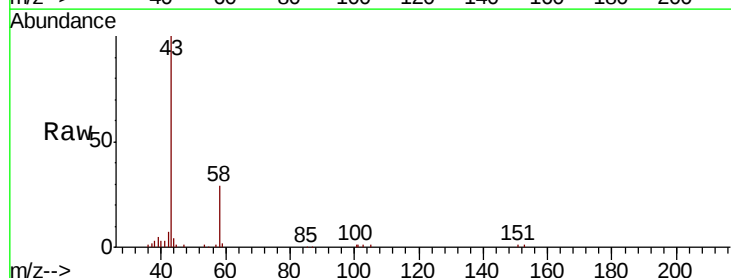
Acq: 30 Aug 2019 13:34

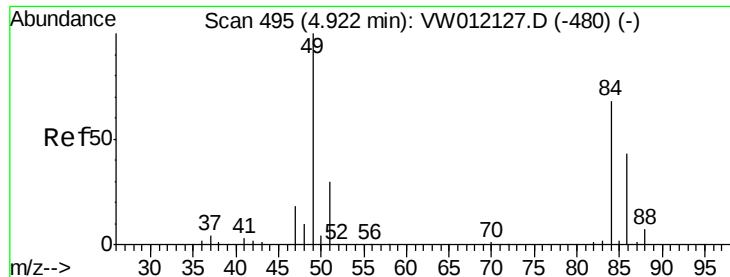
Tgt Ion: 43 Resp: 42915

Ion Ratio Lower Upper

43 100

58 29.1 22.4 33.6

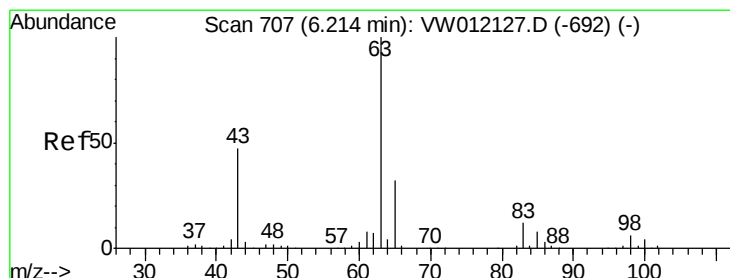
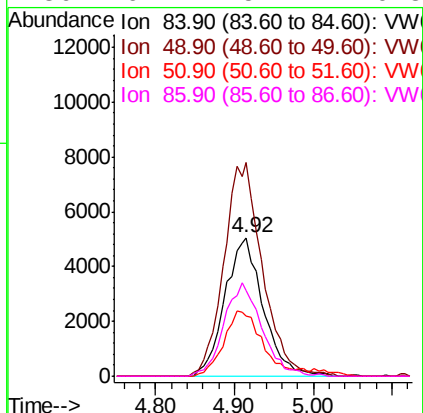
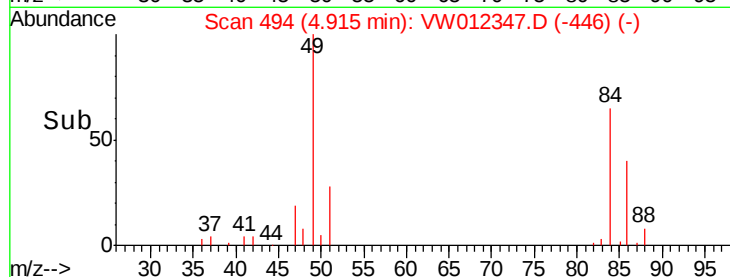
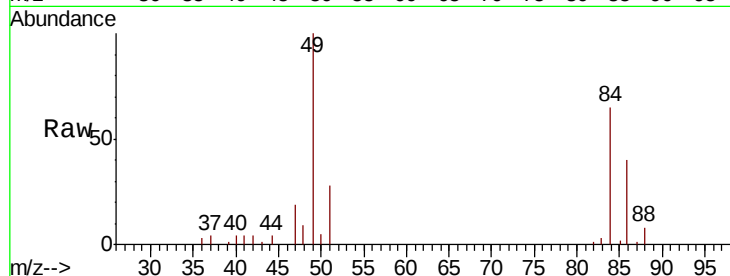




#20
Methvlene Chloride
Concen: 7.410 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012347.D
Acq: 30 Aug 2019 13:34

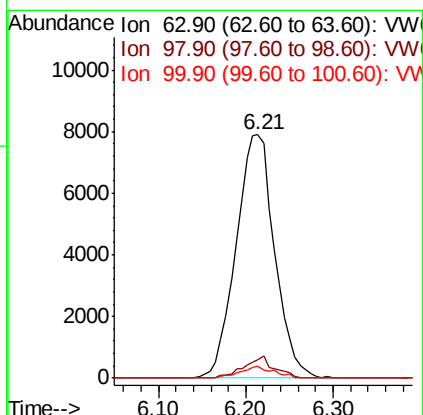
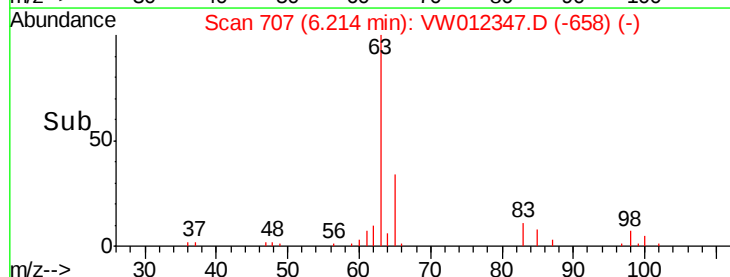
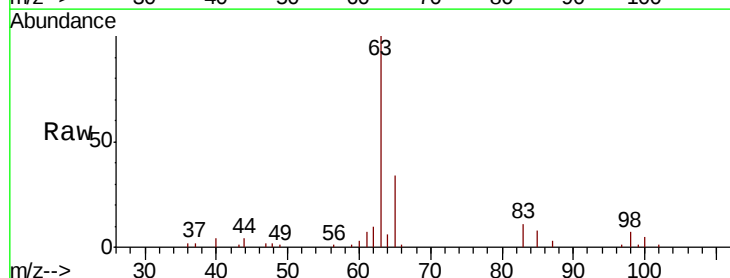
Instrument :
MSVOA_W
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S500-K2-19.5-20.0-082919-FD

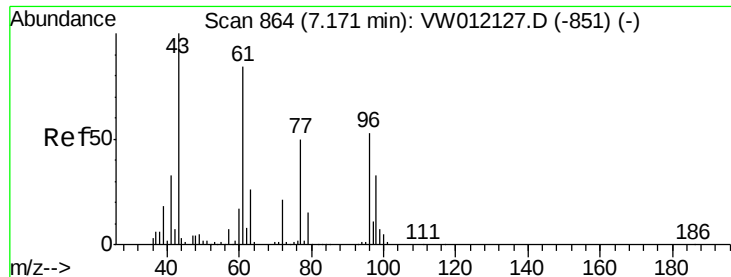
Tot Ion: 84 Resp: 17059
Ion Ratio Lower Upper
84 100
49 154.2 117.8 176.8
51 43.1 35.6 53.4
86 62.1 51.2 76.8



#24
1,1-Dichloroethane
Concen: 5.568 ug/l
RT: 6.21 min Scan# 707
Delta R.T. -0.00 min
Lab File: VW012347.D
Acq: 30 Aug 2019 13:34

Tgt Ion: 63 Resp: 24151
Ion Ratio Lower Upper
63 100
98 7.3 3.0 9.2
100 4.7 2.0 6.0



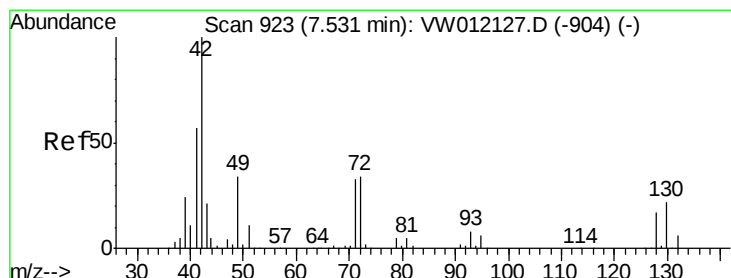
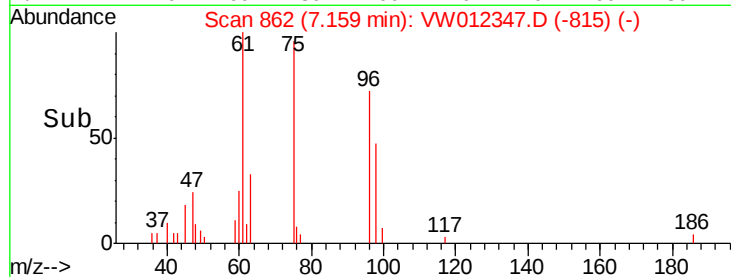
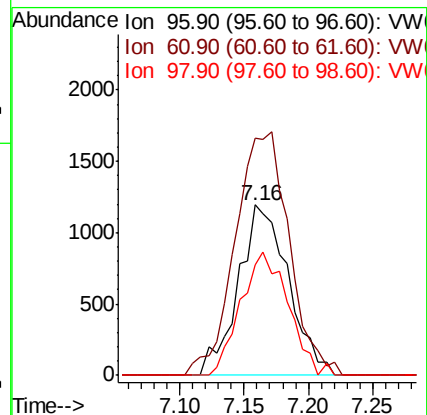
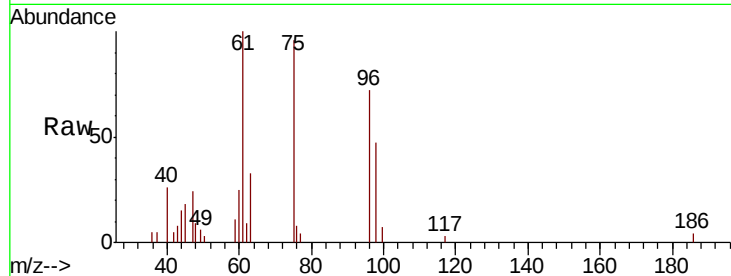


#27

cis-1,2-Dichloroethene
 Concen: 1.397 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW012347.D
 Acq: 30 Aug 2019 13:34

Instrument :
 MSVOA_W
 ClientSampleId :
 S500-K2-19.5-20.0-082919-FD

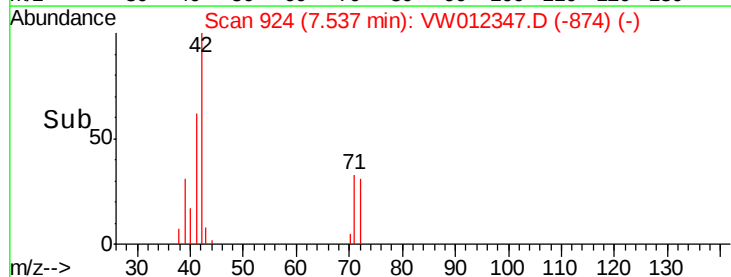
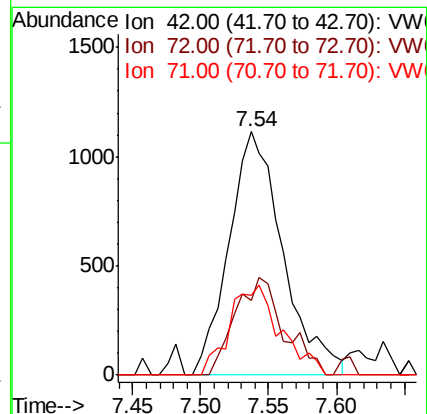
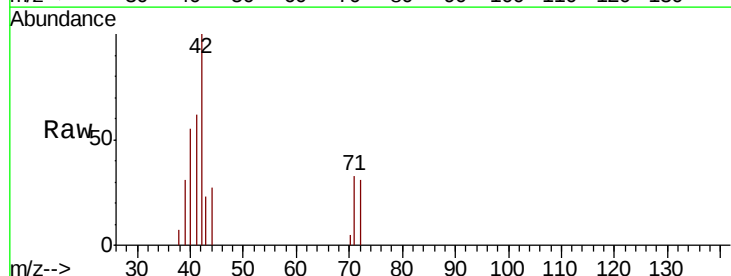
Tot Ion	Ratio	Lower	Upper
96	100		
61	154.2	0.0	326.6
98	69.0	0.0	127.4

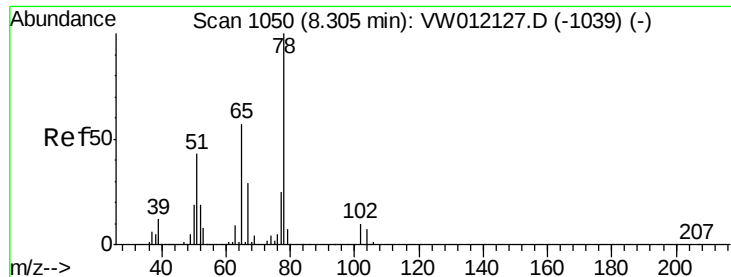


#29

Tetrahydrofuran
 Concen: 6.211 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW012347.D
 Acq: 30 Aug 2019 13:34

Tgt Ion	Ratio	Lower	Upper
42	100		
72	36.3	27.3	40.9
71	34.7	25.5	38.3

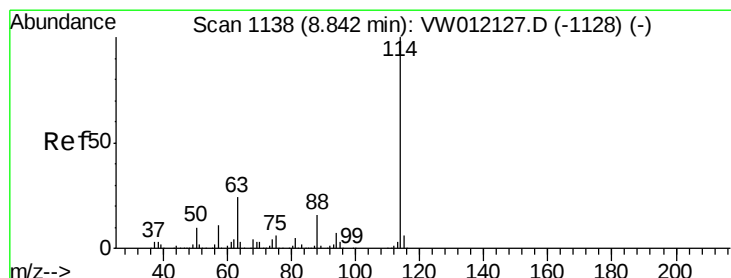
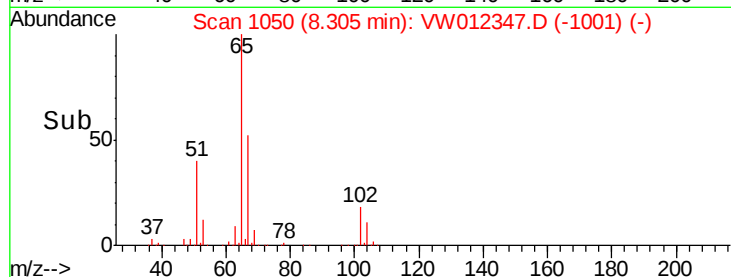
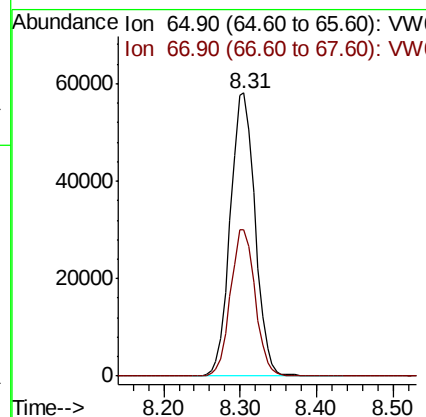
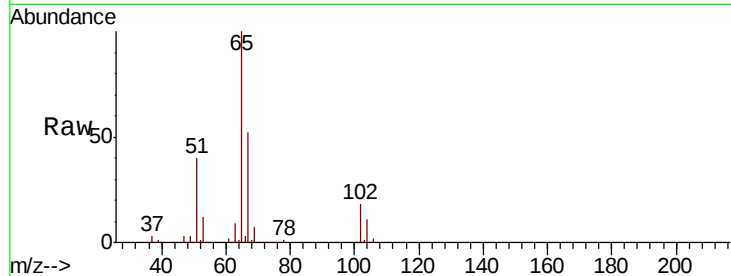




#33
 1,2-Dichloroethane-d4
 Concen: 54.643 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012347.D
 Acq: 30 Aug 2019 13:34

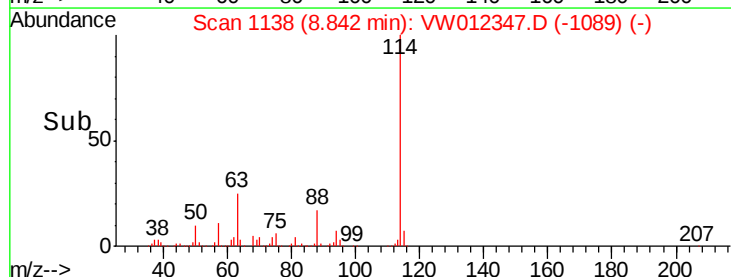
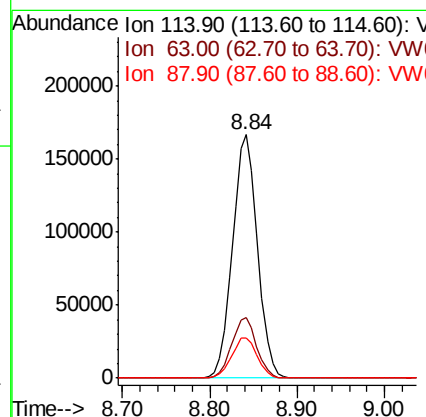
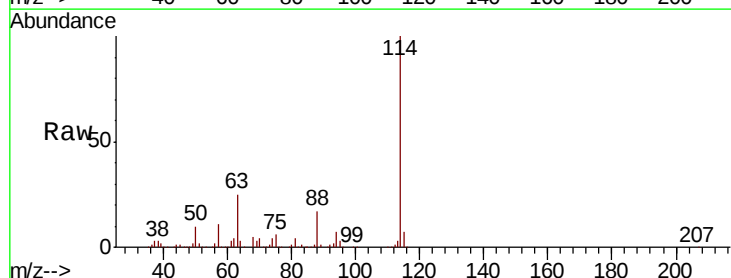
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 MSVOA_W
 ClientSampleId :
 S500-K2-19.5-20.0-082919-FD

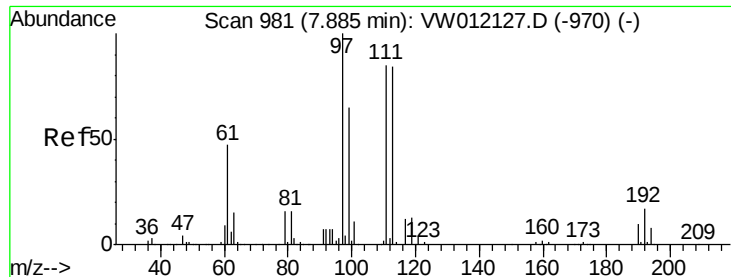
Tot Ion: 65 Resp: 130185
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012347.D
 Acq: 30 Aug 2019 13:34

Tgt Ion: 114 Resp: 329063
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 48.6
 88 16.6 0.0 32.2

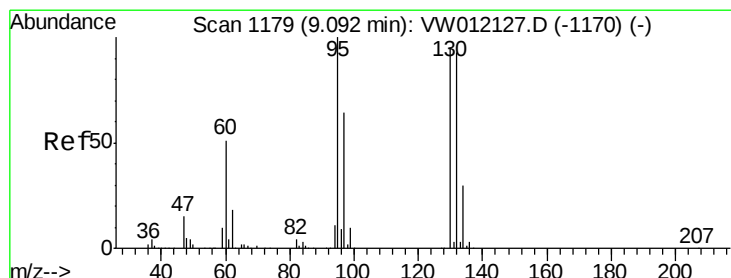
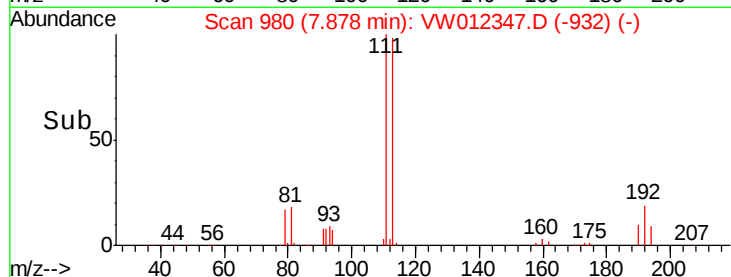
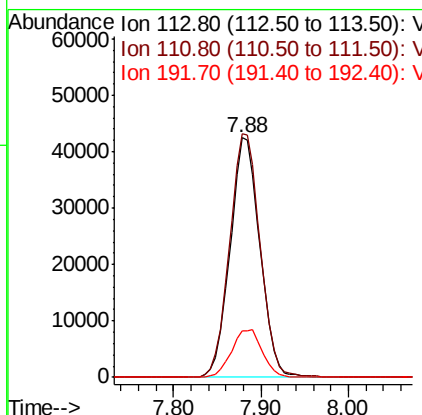
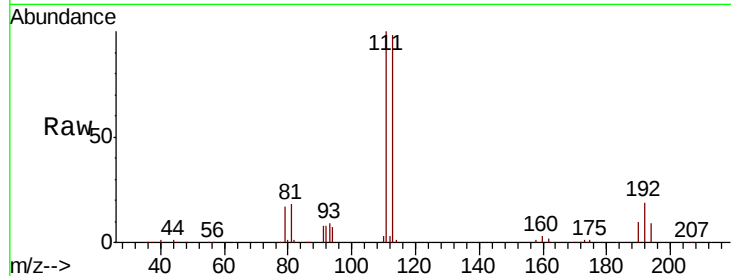




#35
 Dibromofluoromethane
 Concen: 51.159 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012347.D
 Acq: 30 Aug 2019 13:34

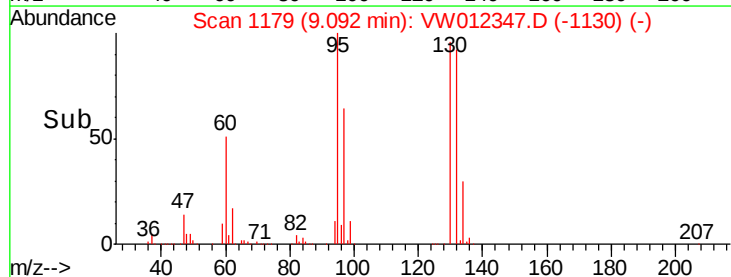
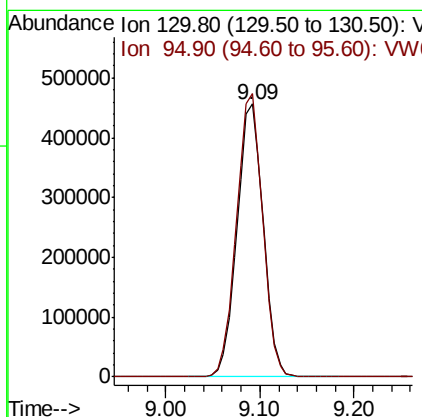
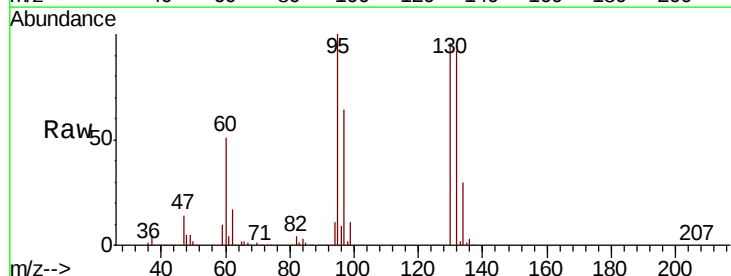
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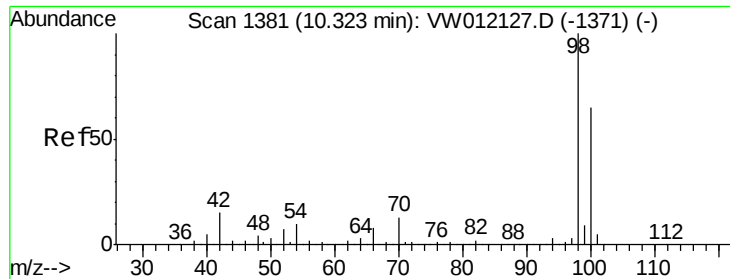
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.7	124.1
192	20.6	16.2	24.2



#44
 Trichloroethene
 Concen: 392.378 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW012347.D
 Acq: 30 Aug 2019 13:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	210.6





#50

Toluene-d8

Concen: 50.426 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012347.D

Acq: 30 Aug 2019 13:34

Instrument :

MSVOA_W

ClientSampleId :

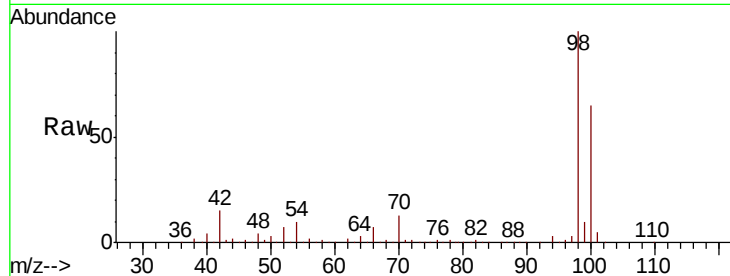
S500-K2-19.5-20.0-082919-FD

Tot Ion: 98 Resp: 401606

Ion Ratio Lower Upper

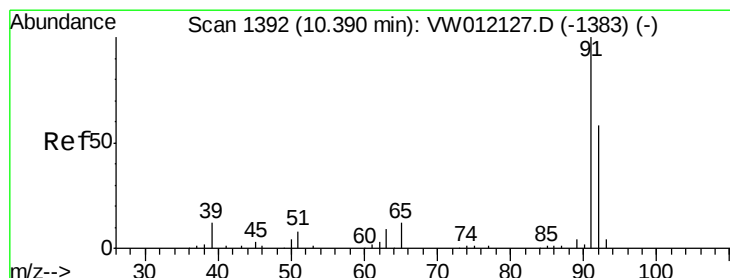
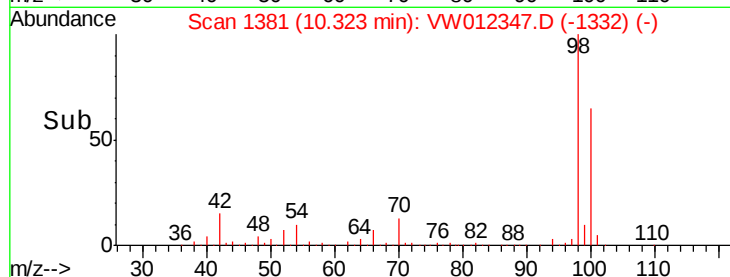
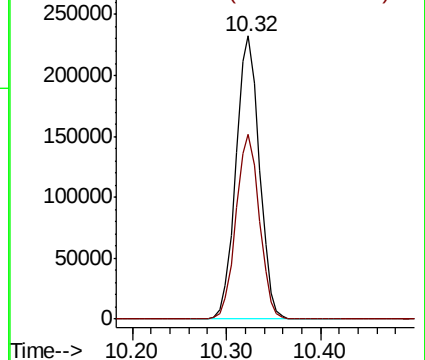
98 100

100 65.2 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: 1.357 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012347.D

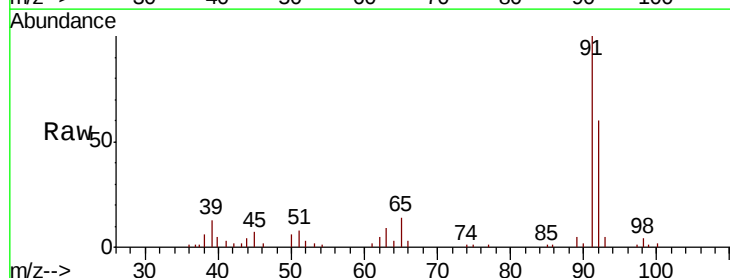
Acq: 30 Aug 2019 13:34

Tgt Ion: 92 Resp: 7567

Ion Ratio Lower Upper

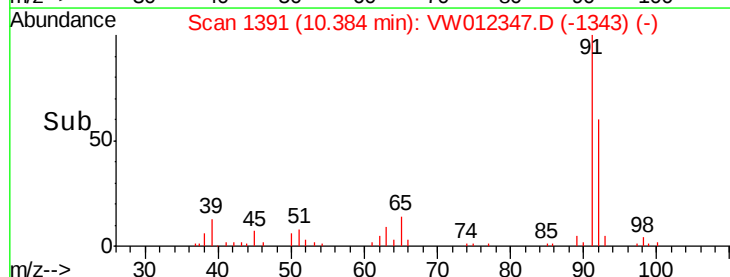
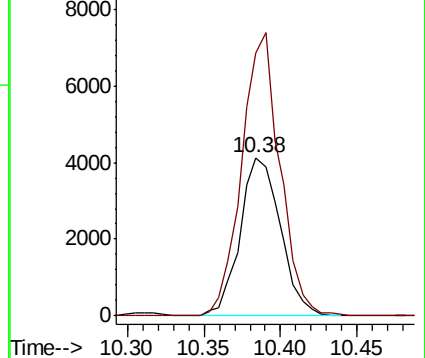
92 100

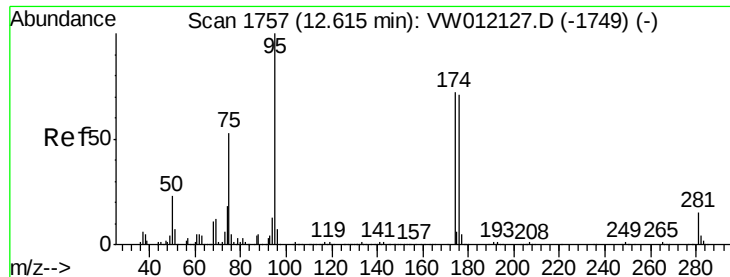
91 169.4 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

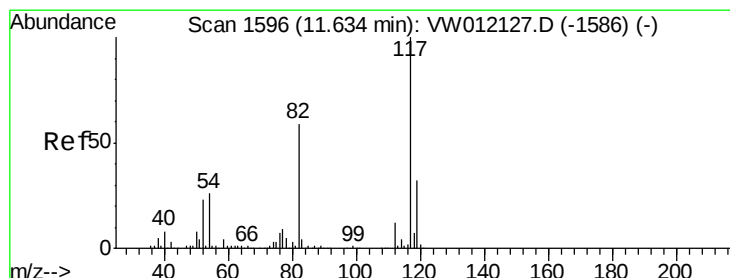
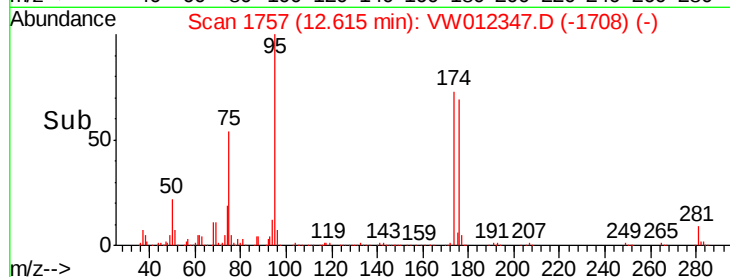
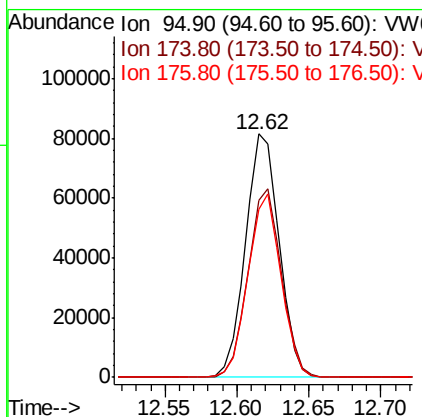
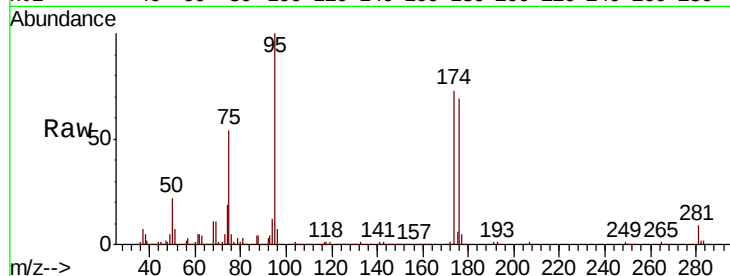




#62
4-Bromofluorobenzene
Concen: 46.802 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012347.D
Acq: 30 Aug 2019 13:34

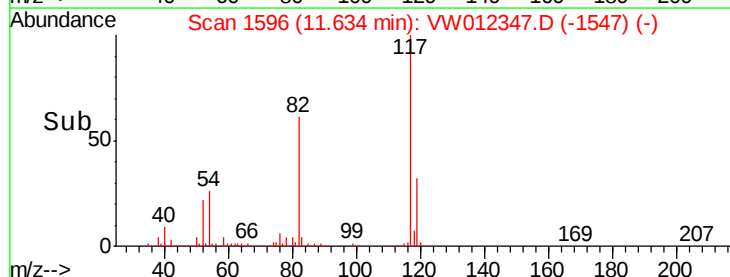
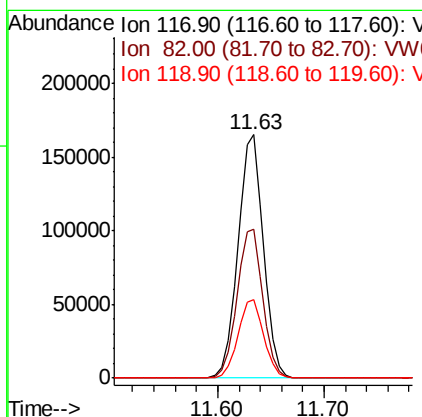
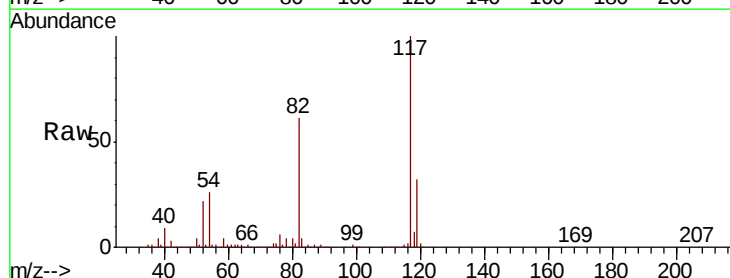
Instrument :
MSVOA_W
ClientSampleId :
S500-K2-19.5-20.0-082919-FD

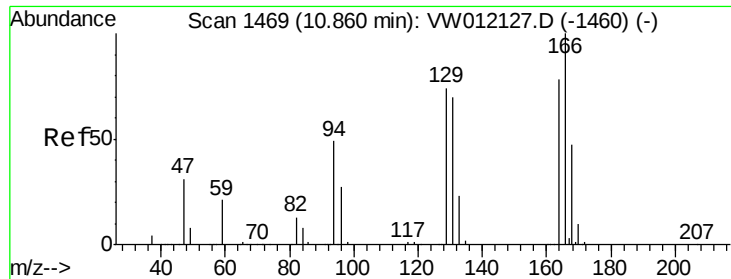
Tot Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	150.8
176	73.6	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012347.D
Acq: 30 Aug 2019 13:34

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.2	47.4	71.2
119	32.4	25.4	38.2

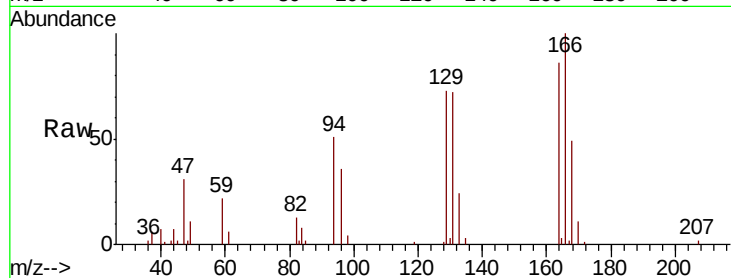




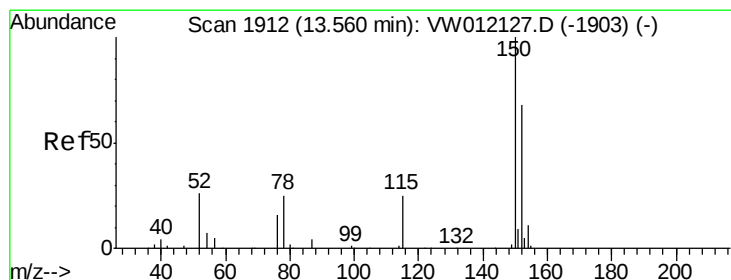
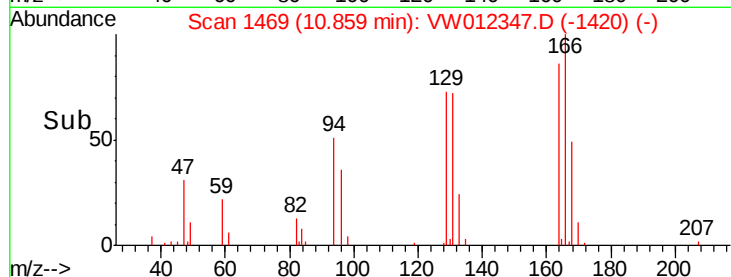
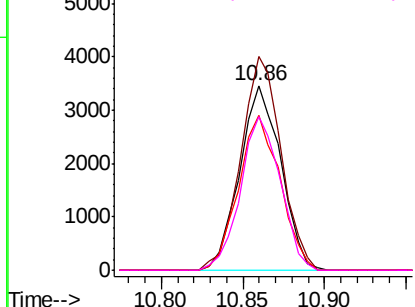
#64
Tetrachloroethene
Concen: 3.397 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012347.D
Acq: 30 Aug 2019 13:34

Instrument :
MSVOA_W
ClientSampleId :
S500-K2-19.5-20.0-082919-FD

Tot Ion:164 Resp: 6075
Ion Ratio Lower Upper
164 100
166 115.7 102.4 153.6
129 83.9 75.8 113.6
131 83.3 71.4 107.2

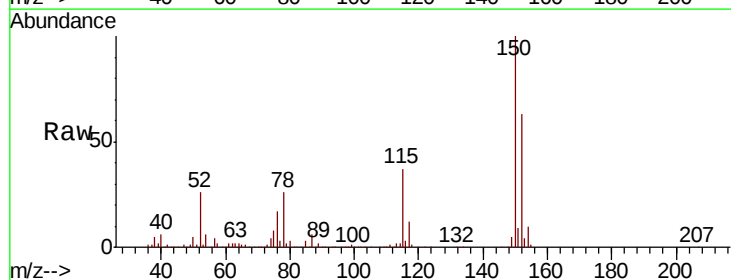


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012347.D
Acq: 30 Aug 2019 13:34

Tgt Ion:152 Resp: 118356
Ion Ratio Lower Upper
152 100
115 60.1 30.1 90.3
150 156.6 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

