

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083019\
 Data File : VW012350.D
 Acq On : 30 Aug 2019 15:16
 Operator : SY/VA
 Sample : K4620-12
 Misc : 8.30G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S506-K2-9.5-10.0-082919

Quant Time: Aug 30 17:06:14 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	213382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	348319	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	292602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	119763	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	132690	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	
35) Dibromofluoromethane	7.88	113	105971	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
50) Toluene-d8	10.32	98	427094	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.62	95	137693	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	

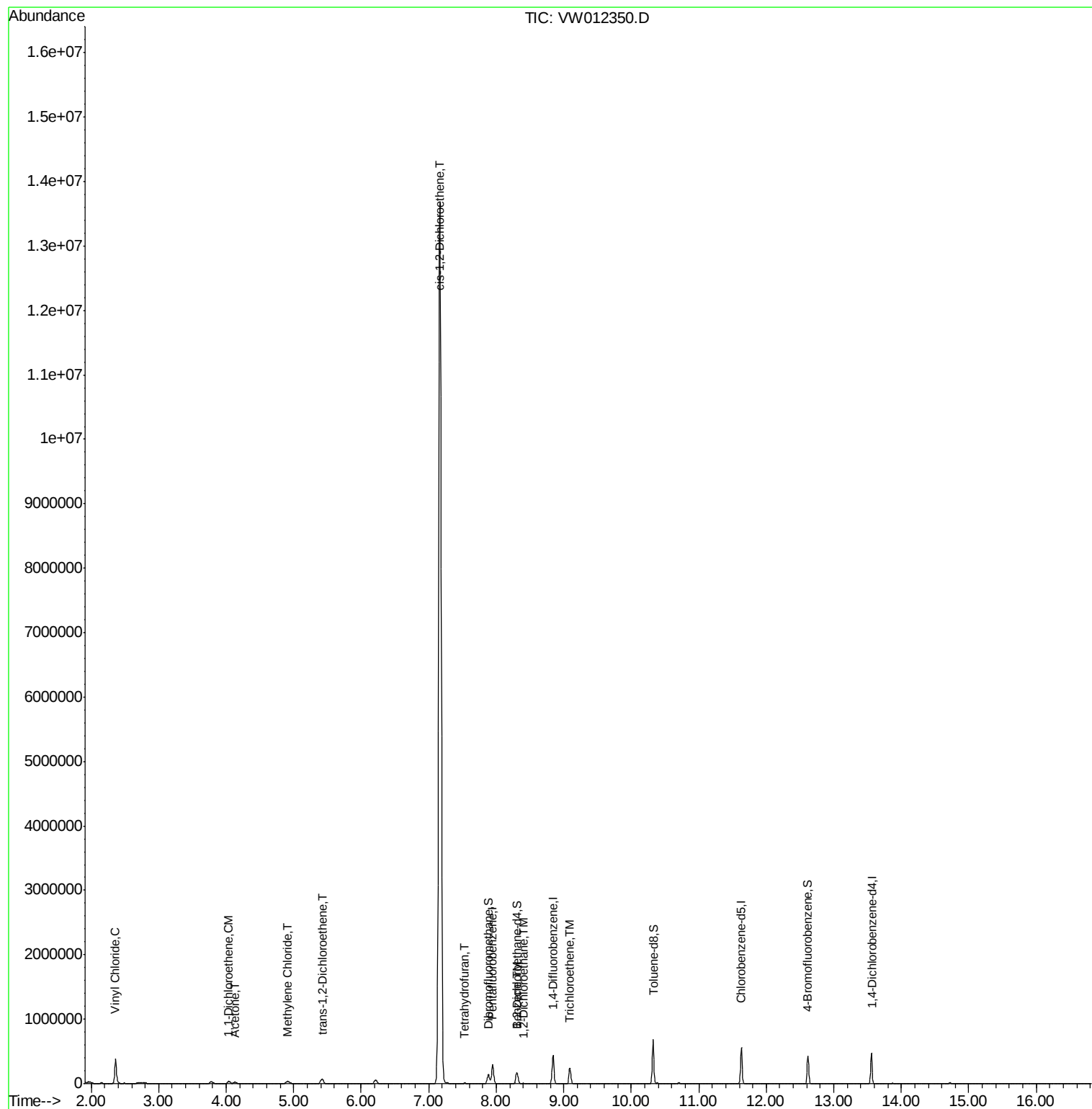
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.36	62	435287	174.712	ug/l	98
12) 1,1-Dichloroethene	4.04	96	21390	9.994	ug/l	94
16) Acetone	4.13	43	44879	69.214	ug/l	98
20) Methylene Chloride	4.92	84	27854	11.363	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	41601	18.125	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	7865464	3207.529	ug/l	92
29) Tetrahydrofuran	7.53	42	6733	12.737	ug/l	97
40) Benzene	8.32	78	11507	1.171	ug/l	94
42) 1,2-Dichloroethane	8.40	62	5130	1.665	ug/l	96
44) Trichloroethene	9.09	130	83957	35.139	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012350.D

Acq: 30 Aug 2019 15:16

Instrument :

MSVOA_W

ClientSampleId :

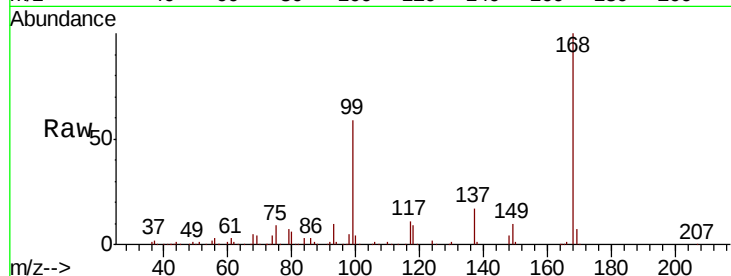
S506-K2-9.5-10.0-082919

Tot Ion:168 Resp: 213382

Ion Ratio Lower Upper

168 100

99 59.4 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

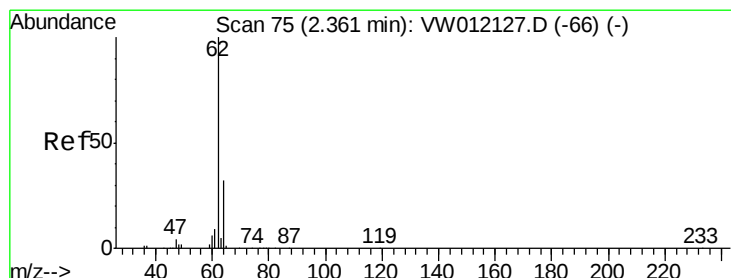
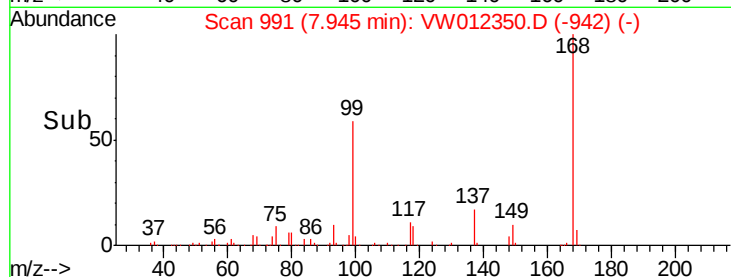
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#4

Vinyl Chloride

Concen: 174.712 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012350.D

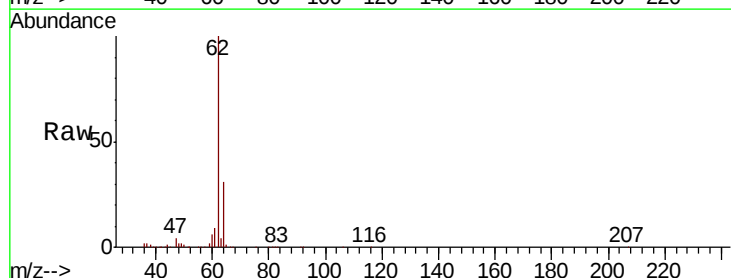
Acq: 30 Aug 2019 15:16

Tgt Ion: 62 Resp: 435287

Ion Ratio Lower Upper

62 100

64 30.7 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

250000

200000

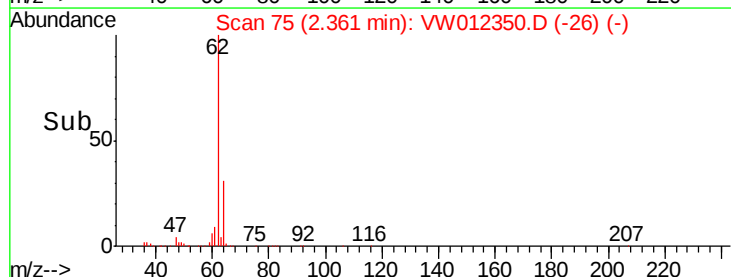
150000

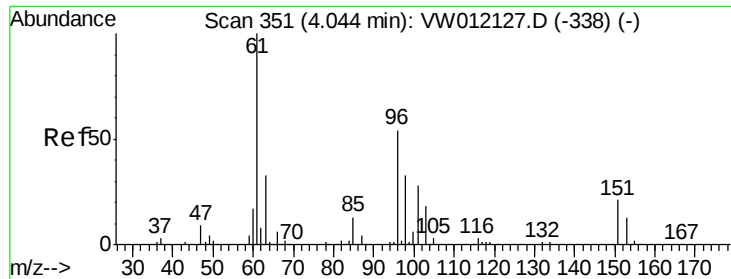
100000

50000

0

Time--> 2.30 2.40 2.50

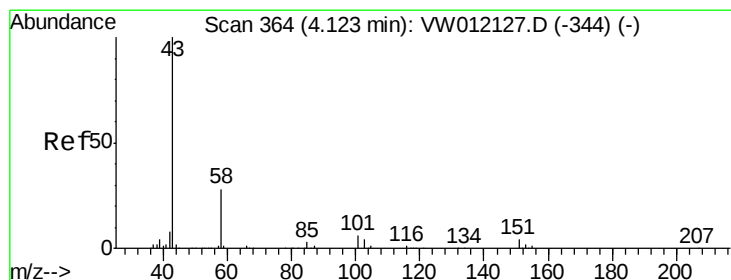
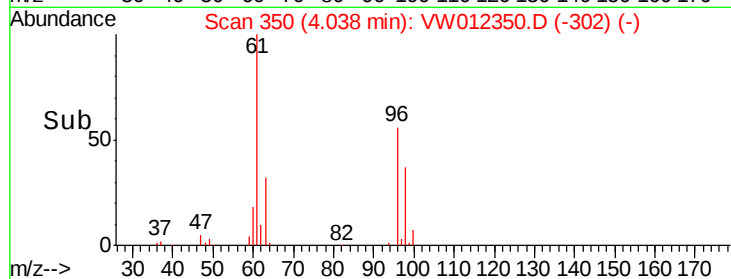
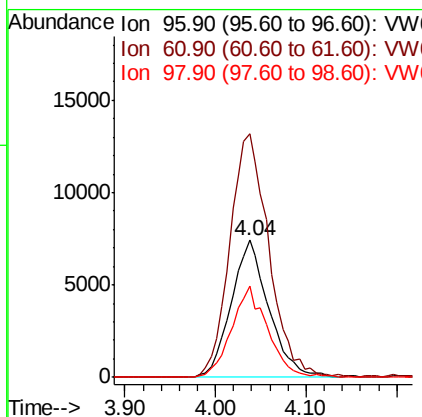
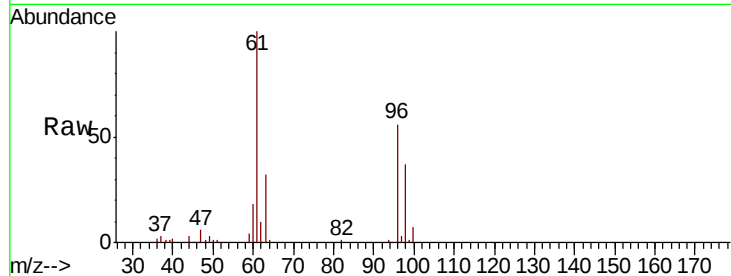




#12
 1,1-Dichloroethene
 Concen: 9.994 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012350.D
 Acq: 30 Aug 2019 15:16

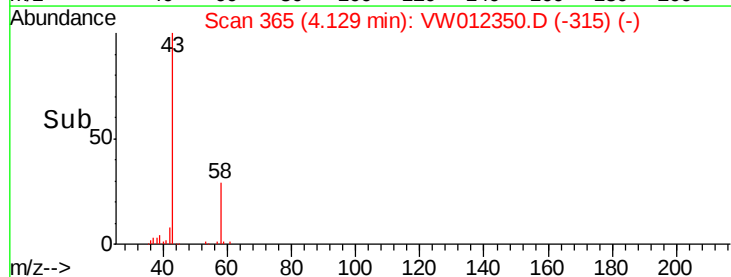
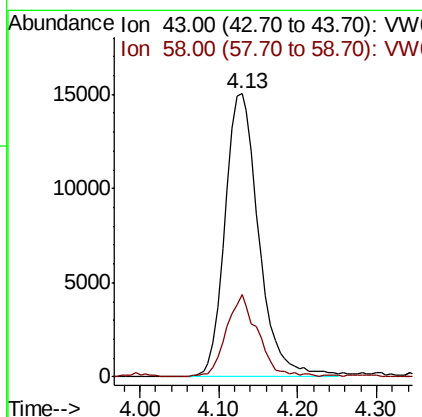
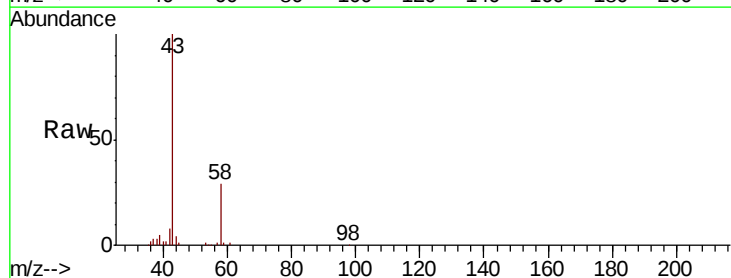
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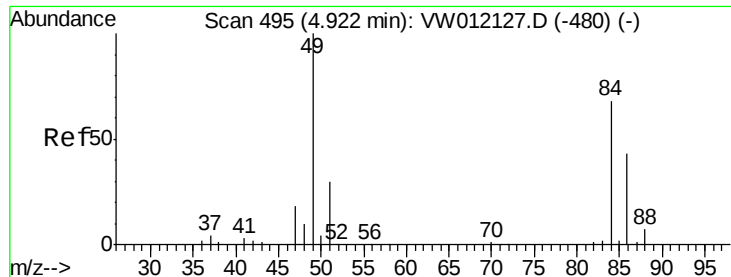
Tot Ion: 96 Resp: 21390
 Ion Ratio Lower Upper
 96 100
 61 178.0 149.1 223.7
 98 66.3 49.4 74.2



#16
 Acetone
 Concen: 69.214 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW012350.D
 Acq: 30 Aug 2019 15:16

Tgt Ion: 43 Resp: 44879
 Ion Ratio Lower Upper
 43 100
 58 29.2 22.4 33.6

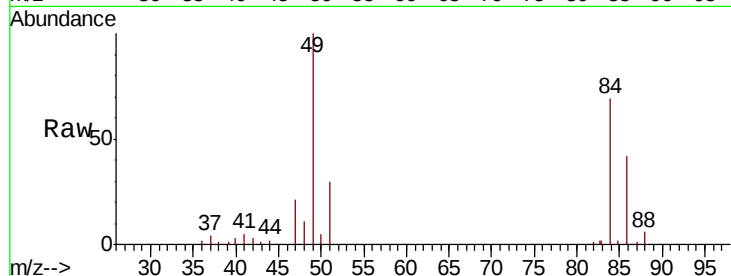




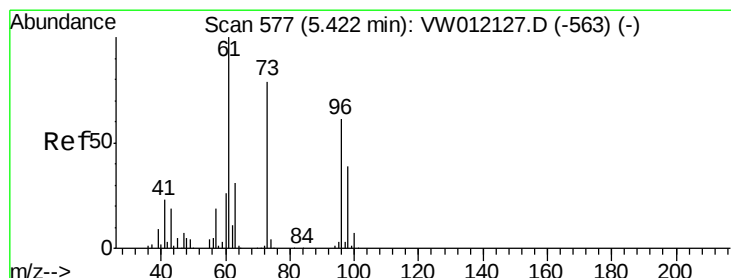
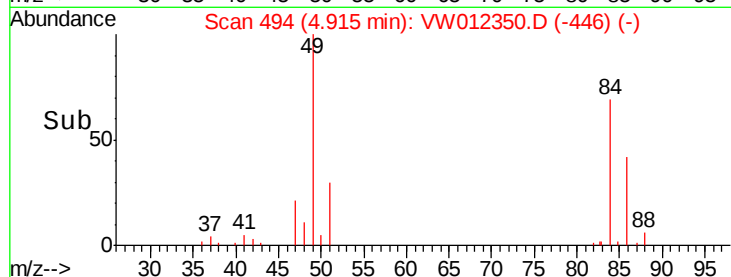
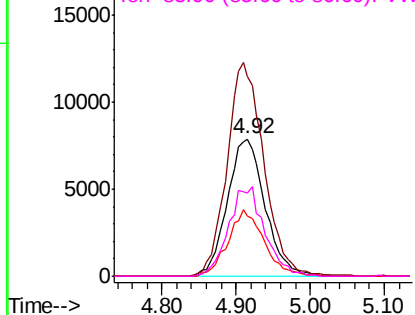
#20
Methylene Chloride
Concen: 11.363 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012350.D
Acq: 30 Aug 2019 15:16

Instrument :
MSVOA_W
ClientSampleId :
S506-K2-9.5-10.0-082919

Tot Ion:	84	Resp:	27854
Ion	Ratio	Lower	Upper
84	100		
49	145.7	117.8	176.8
51	43.6	35.6	53.4
86	61.1	51.2	76.8

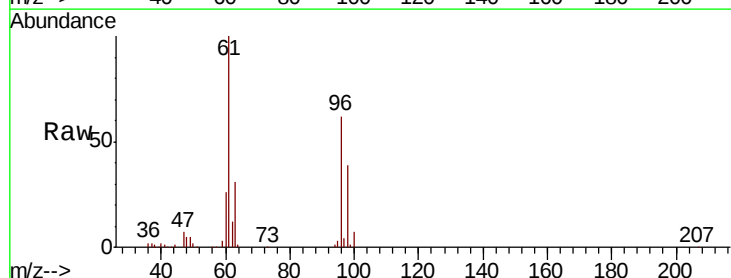


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

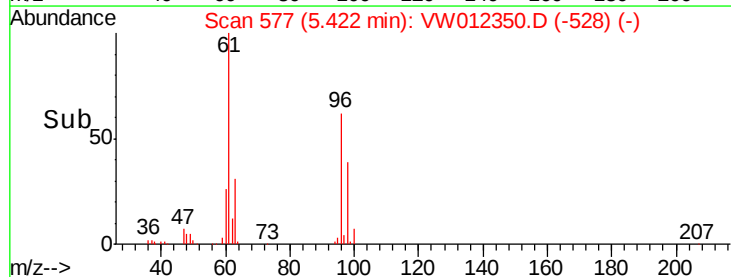
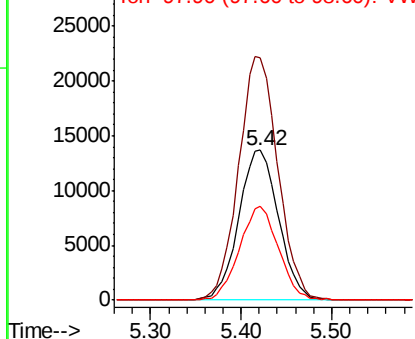


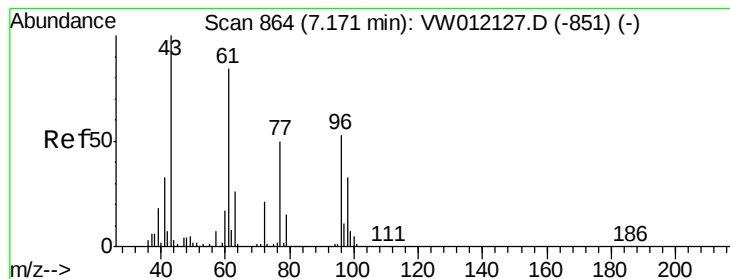
#21
trans-1,2-Dichloroethene
Concen: 18.125 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW012350.D
Acq: 30 Aug 2019 15:16

Tgt Ion:	96	Resp:	41601
Ion	Ratio	Lower	Upper
96	100		
61	161.0	131.4	197.0
98	62.3	51.4	77.0



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



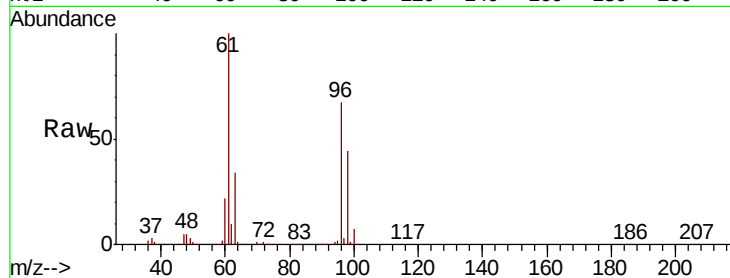


#27

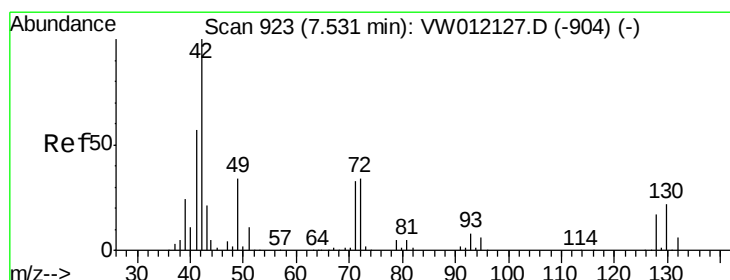
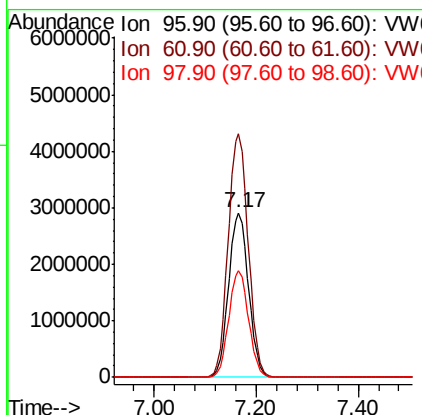
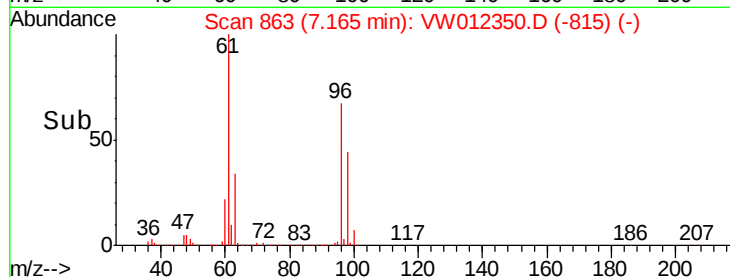
cis-1,2-Dichloroethene
 Concen: 3207.529 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012350.D
 Acq: 30 Aug 2019 15:16

Instrument :
 MSVOA_W
 ClientSampleId :
 S506-K2-9.5-10.0-082919

Tot Ion: 96 Resp: 7865464
 Ion Ratio Lower Upper
 96 100
 61 149.0 0.0 326.6
 98 64.6 0.0 127.4



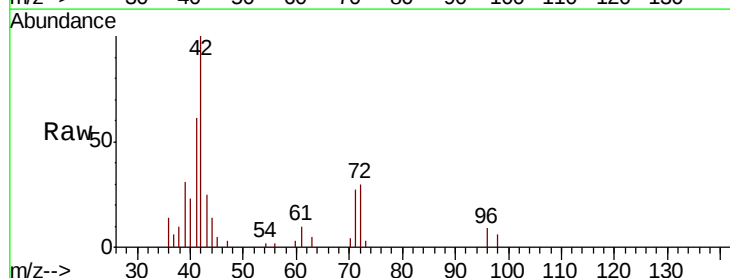
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



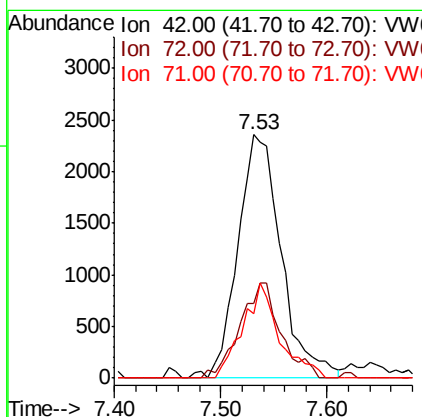
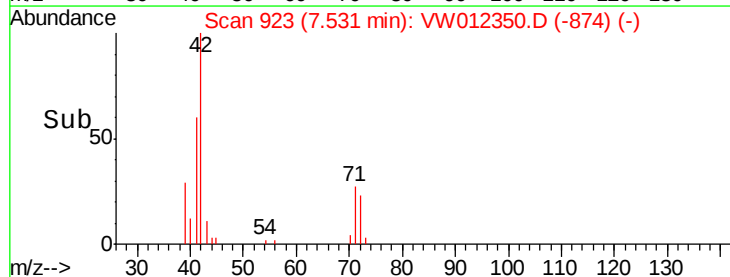
#29

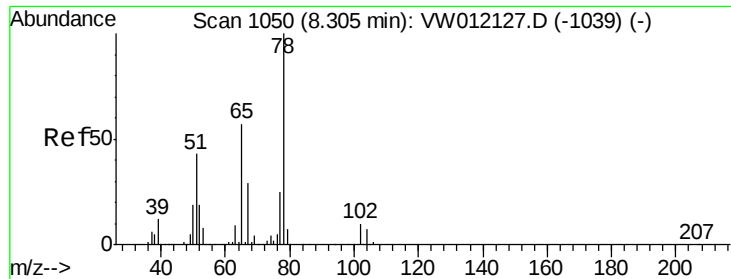
Tetrahydrofuran
 Concen: 12.737 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: VW012350.D
 Acq: 30 Aug 2019 15:16

Tgt Ion: 42 Resp: 6733
 Ion Ratio Lower Upper
 42 100
 72 36.9 27.3 40.9
 71 32.7 25.5 38.3



Abundance Ion 42.00 (41.70 to 42.70): VW
 Ion 72.00 (71.70 to 72.70): VW
 Ion 71.00 (70.70 to 71.70): VW

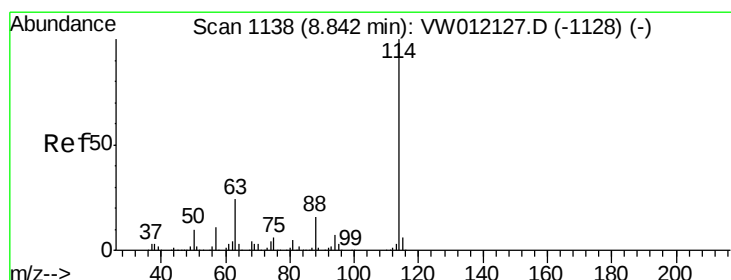
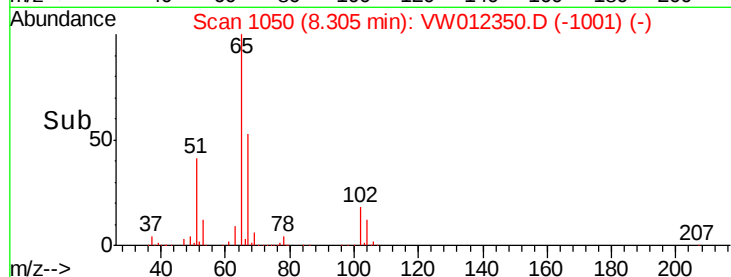
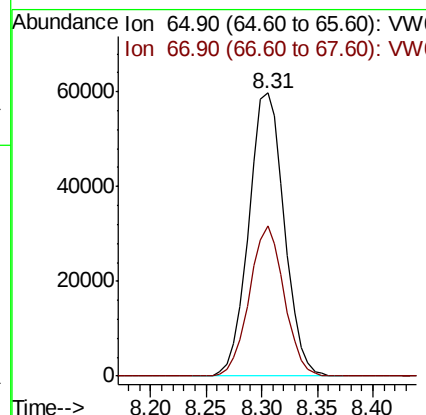
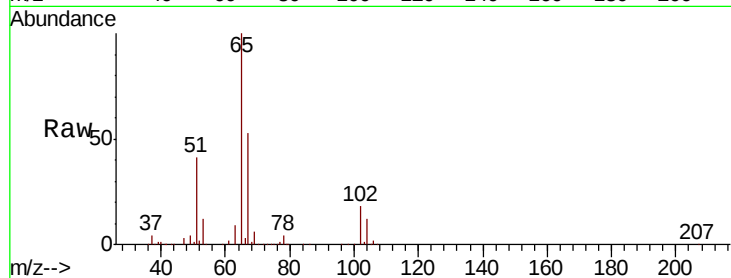




#33
 1,2-Dichloroethane-d4
 Concen: 52.310 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012350.D
 Acq: 30 Aug 2019 15:16

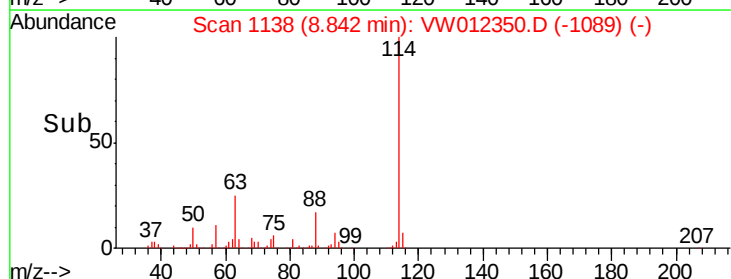
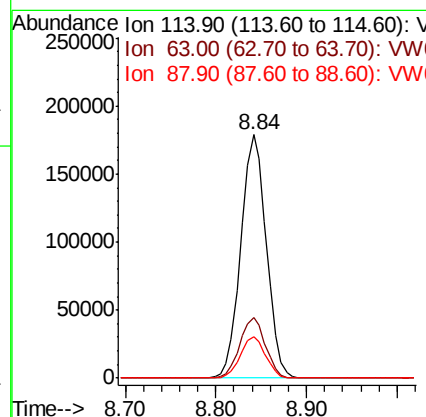
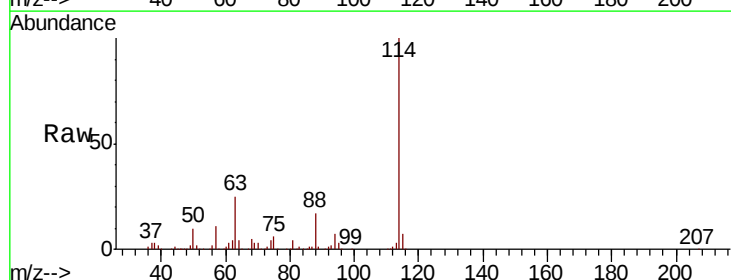
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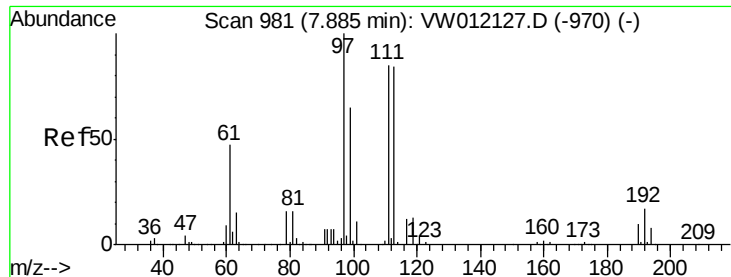
Tot Ion: 65 Resp: 132690
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012350.D
 Acq: 30 Aug 2019 15:16

Tgt Ion: 114 Resp: 348319
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 48.6
 88 17.1 0.0 32.2

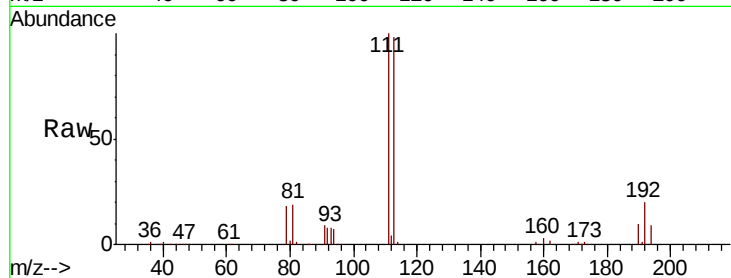




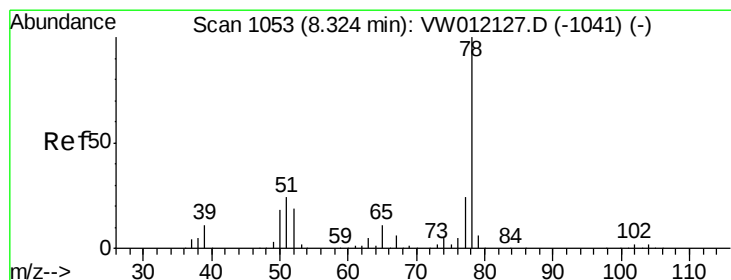
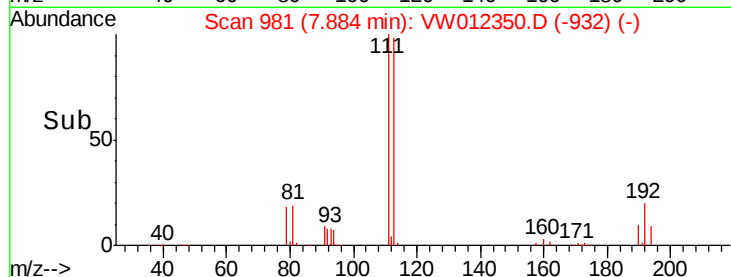
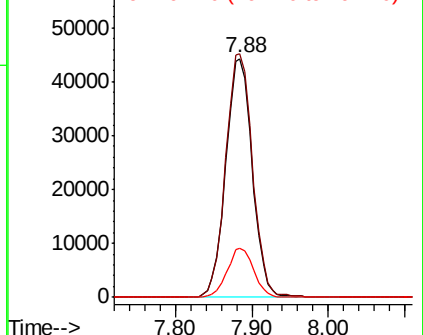
#35
 Dibromofluoromethane
 Concen: 50.969 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012350.D
 Acq: 30 Aug 2019 15:16

Instrument :
 MSVOA_W
 ClientSampleId :
 S506-K2-9.5-10.0-082919

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.7	124.1
192	20.5	16.2	24.2

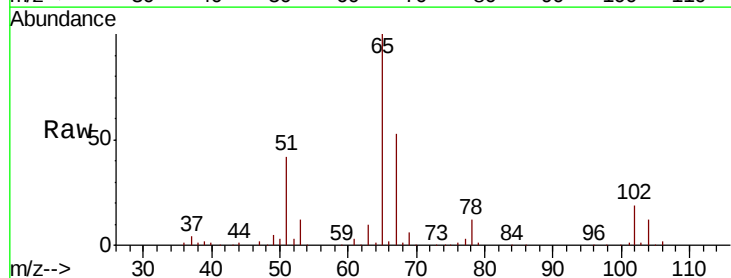


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

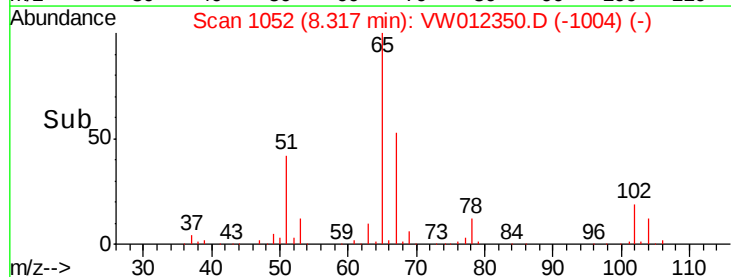
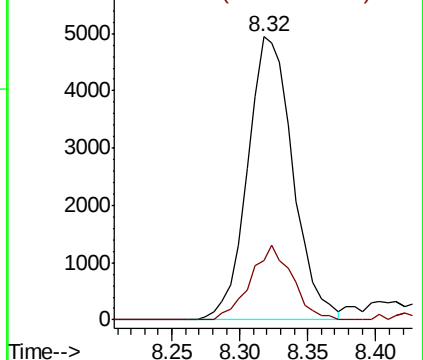


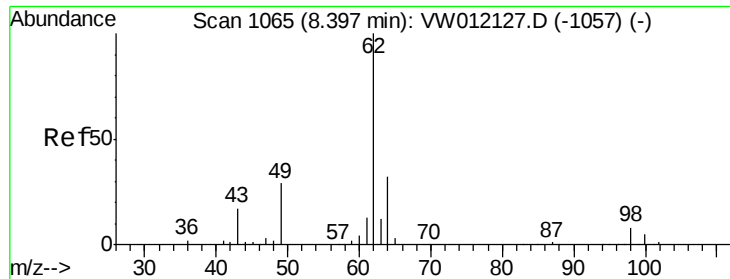
#40
 Benzene
 Concen: 1.171 ug/l
 RT: 8.32 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VW012350.D
 Acq: 30 Aug 2019 15:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.2	19.5	29.3



Abundance Ion 78.00 (77.70 to 78.70): VW
 Ion 77.00 (76.70 to 77.70): VW





#42

1,2-Dichloroethane

Concen: 1.665 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW012350.D

Acq: 30 Aug 2019 15:16

Instrument :

MSVOA_W

ClientSampleId :

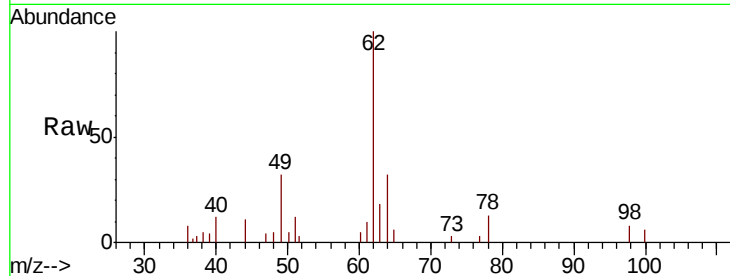
S506-K2-9.5-10.0-082919

Tot Ion: 62 Resp: 5130

Ion Ratio Lower Upper

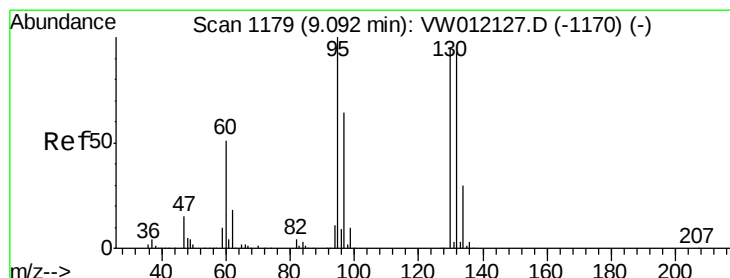
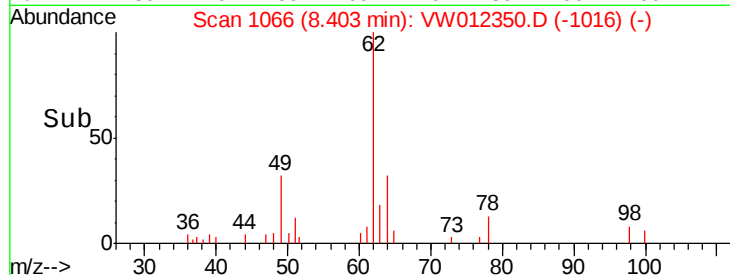
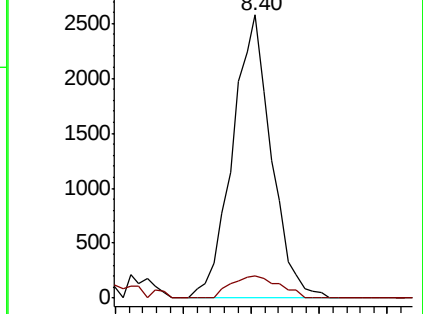
62 100

98 9.7 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



#44

Trichloroethene

Concen: 35.139 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012350.D

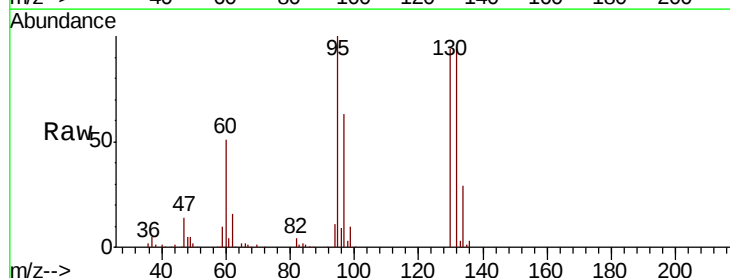
Acq: 30 Aug 2019 15:16

Tgt Ion:130 Resp: 83957

Ion Ratio Lower Upper

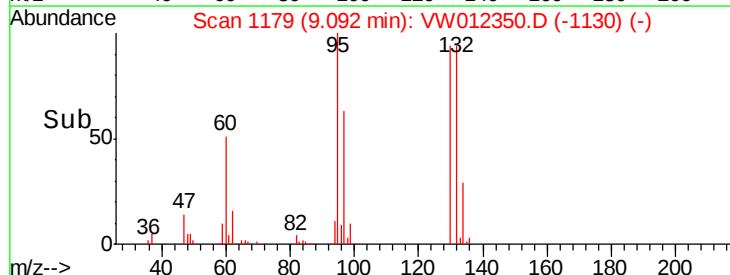
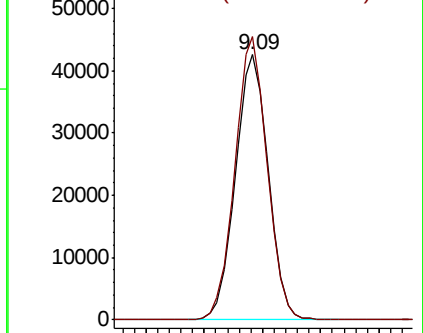
130 100

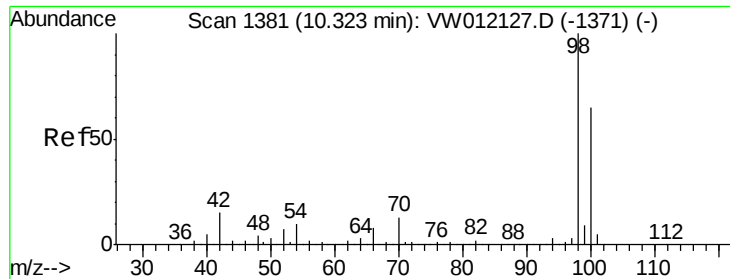
95 106.7 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#50

Toluene-d8

Concen: 50.662 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012350.D

Acq: 30 Aug 2019 15:16

Instrument :

MSVOA_W

ClientSampleId :

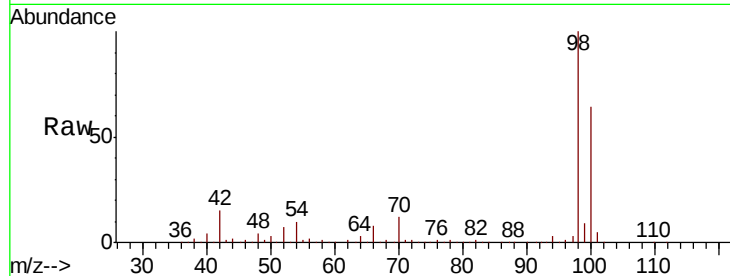
S506-K2-9.5-10.0-082919

Tot Ion: 98 Resp: 427094

Ion Ratio Lower Upper

98 100

100 64.8 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

250000

200000

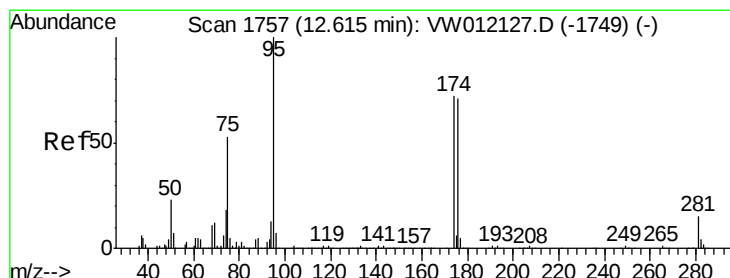
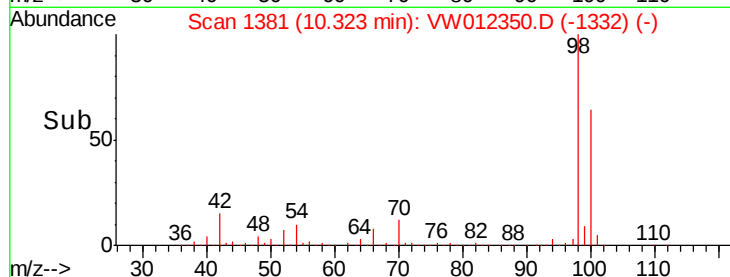
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.335 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012350.D

Acq: 30 Aug 2019 15:16

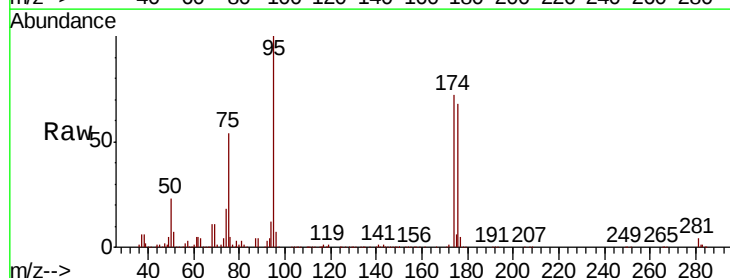
Tgt Ion: 95 Resp: 137693

Ion Ratio Lower Upper

95 100

174 76.2 0.0 150.8

176 73.2 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

120000

100000

80000

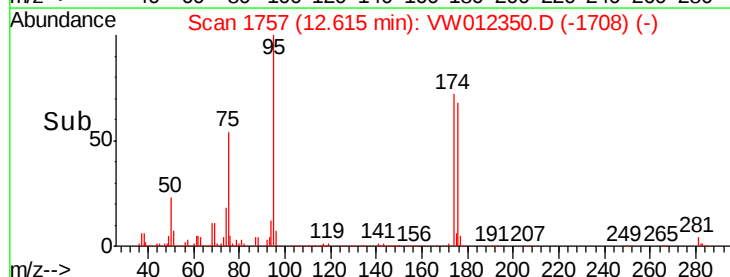
60000

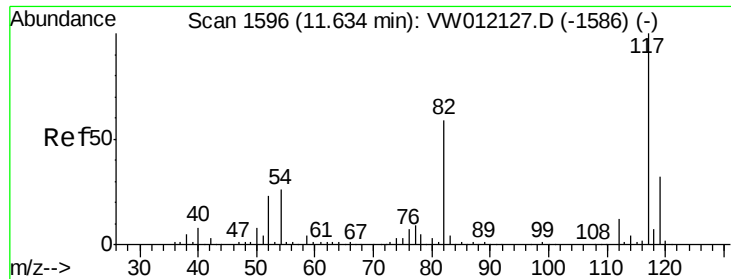
40000

20000

0

Time-->

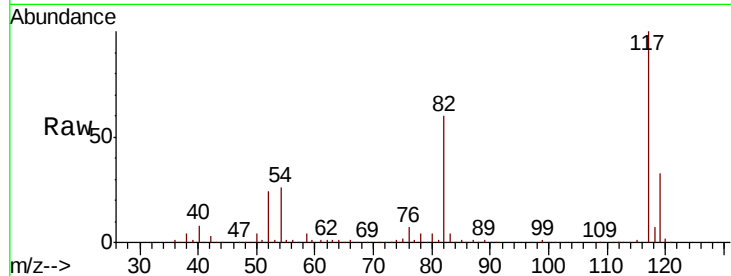




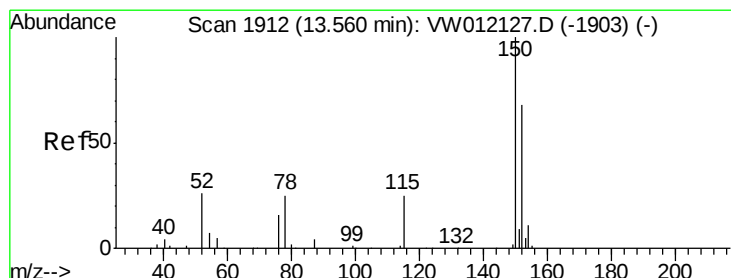
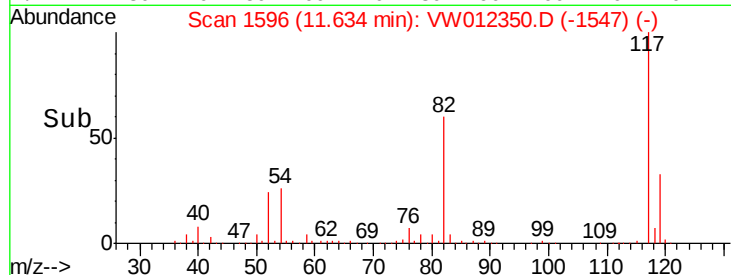
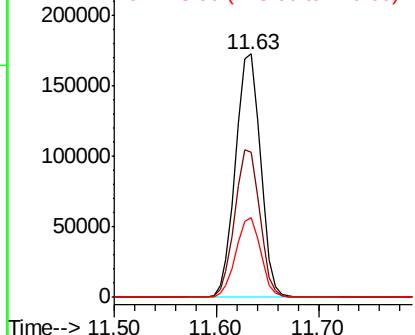
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012350.D
Acq: 30 Aug 2019 15:16

Instrument :
MSVOA_W
ClientSampleId :
S506-K2-9.5-10.0-082919

Tot Ion:117 Resp: 292602
Ion Ratio Lower Upper
117 100
82 59.5 47.4 71.2
119 32.8 25.4 38.2

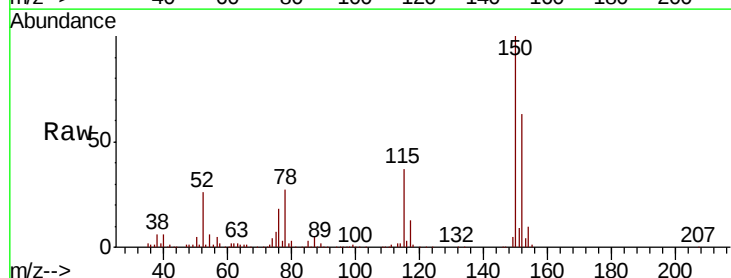


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012350.D
Acq: 30 Aug 2019 15:16

Tgt Ion:152 Resp: 119763
Ion Ratio Lower Upper
152 100
115 59.4 30.1 90.3
150 156.8 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

