

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012519.D
 Acq On : 03 Sep 2019 01:05
 Operator : SY/VA
 Sample : K4544-05
 Misc : 3.88G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-B4-(0)

Quant Time: Sep 03 07:45:17 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	257301	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	412624	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	321415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	109561	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	151893	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
35) Dibromofluoromethane	7.88	113	124518	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
50) Toluene-d8	10.32	98	490713	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.62	95	142275	40.42	ug/l	0.00
Spiked Amount			Recovery	=	80.84%	

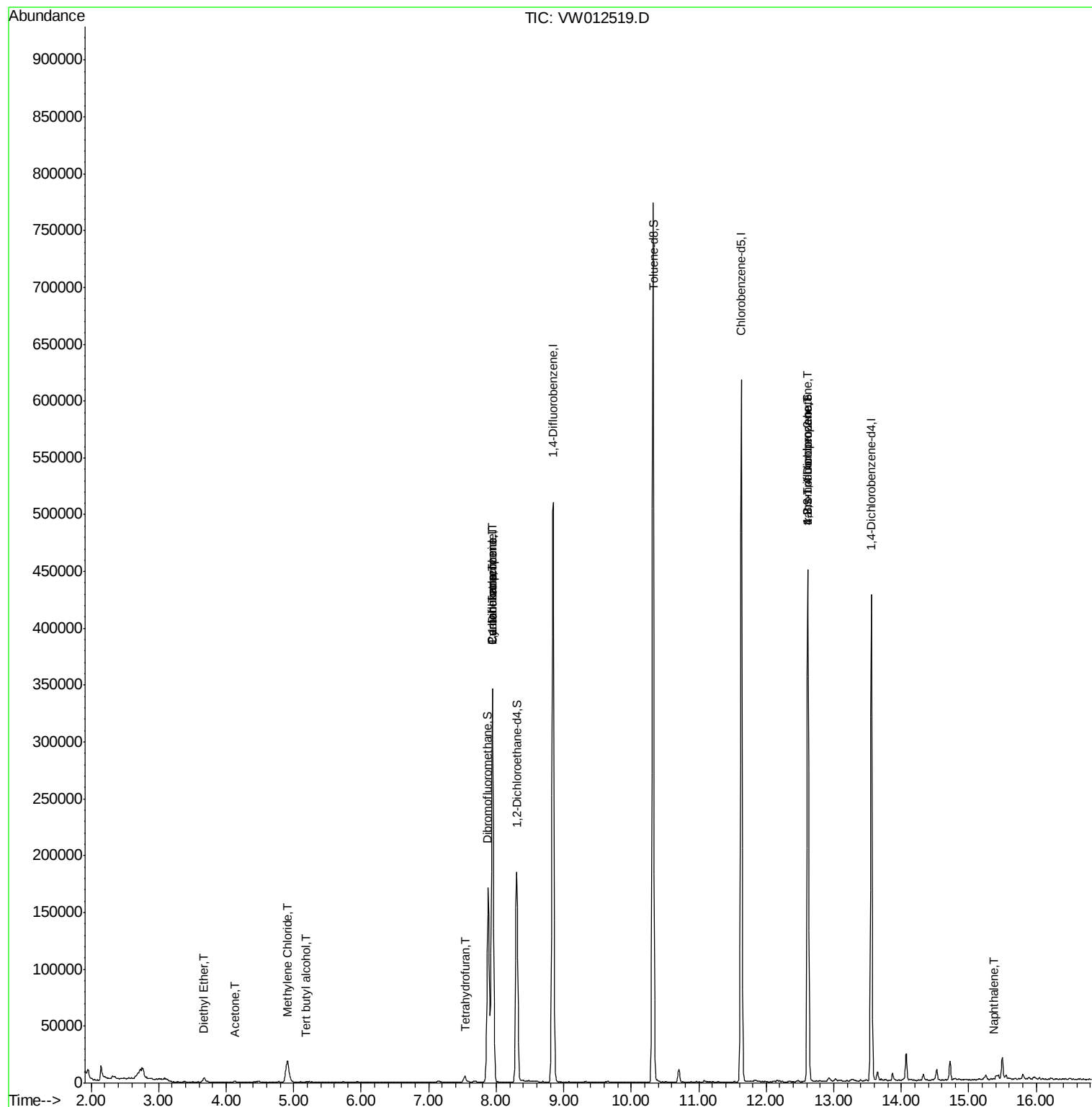
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	2035	1.421	ug/l	83
11) Tert butyl alcohol	5.18	59	601	3.265	ug/l #	82
16) Acetone	4.12	43	1630	2.085	ug/l #	88
20) Methylene Chloride	4.90	84	13960	4.723	ug/l	95
29) Tetrahydrofuran	7.54	42	4849	7.607	ug/l	99
31) Cyclohexane	7.95	56	6053	1.099	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	21157	4.962	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25630	6.945	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	75760	71.000	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75760	155.670	ug/l #	6
95) Naphthalene	15.38	128	678	4.471	ug/l #	78

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

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Quant Time: Sep 03 07:45:17 2019
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: VW012519.D

Acq: 03 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

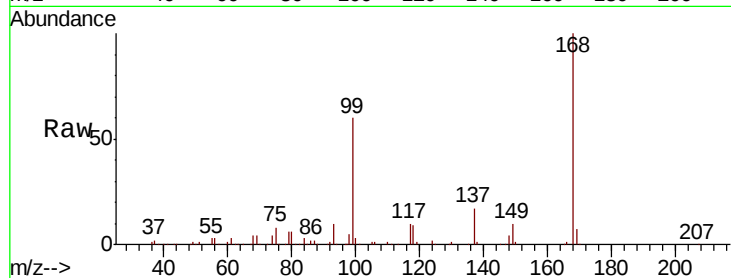
T16-17-B4-(0)

Tgt Ion:168 Resp: 257301

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

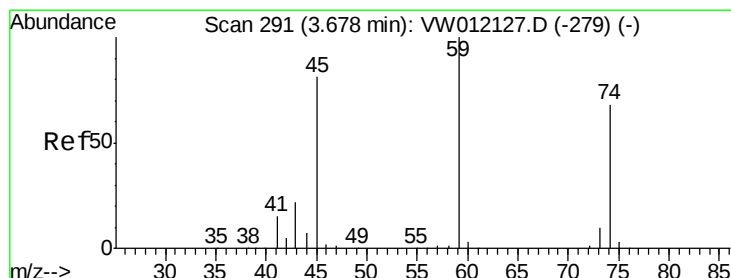
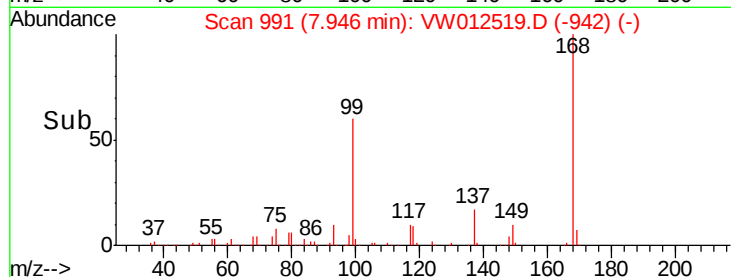
100000

50000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 1.421 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012519.D

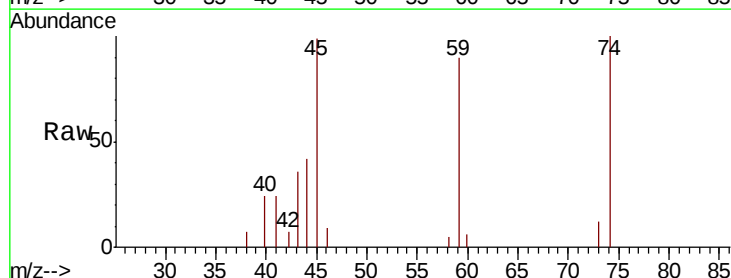
Acq: 03 Sep 2019 01:05

Tgt Ion: 74 Resp: 2035

Ion Ratio Lower Upper

74 100

45 136.7 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

1200

1000

800

600

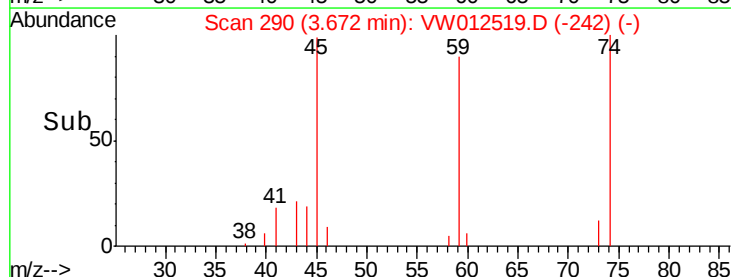
400

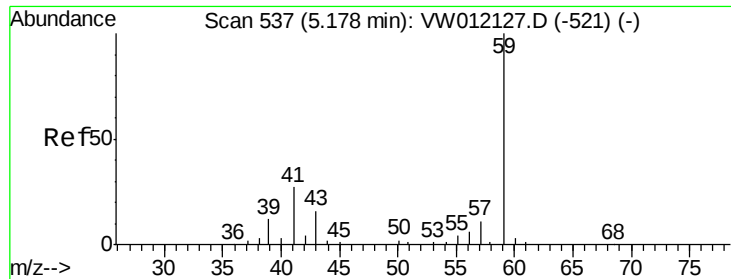
200

0

3.60 3.65 3.70 3.75

Time-->

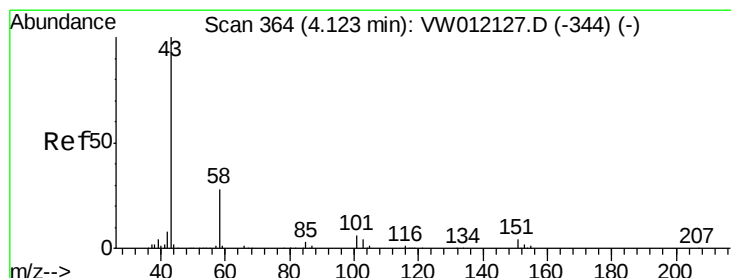
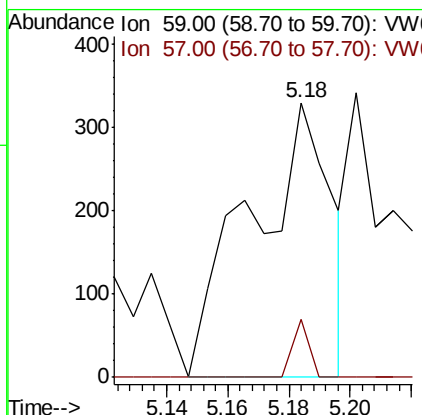
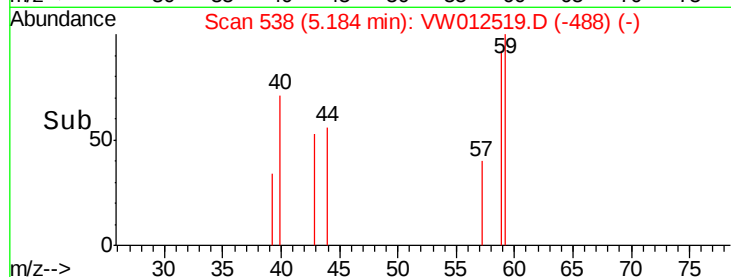
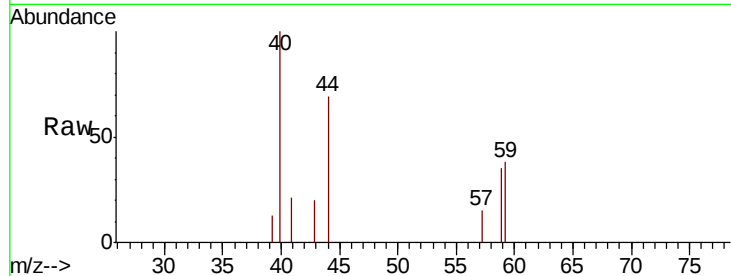




#11
Tert butyl alcohol
Concen: 3.265 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012519.D
Acq: 03 Sep 2019 01:05

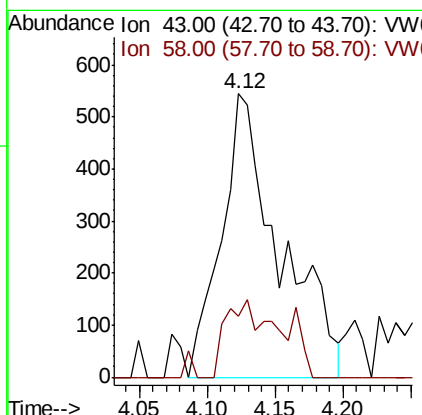
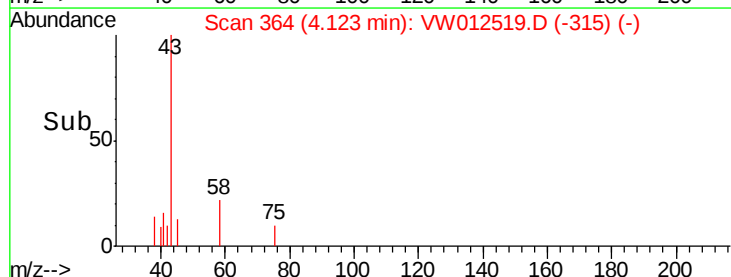
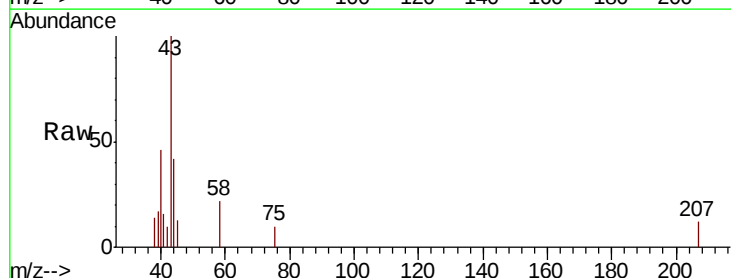
Instrument :
MSVOA_W
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T16-17-B4-(0)

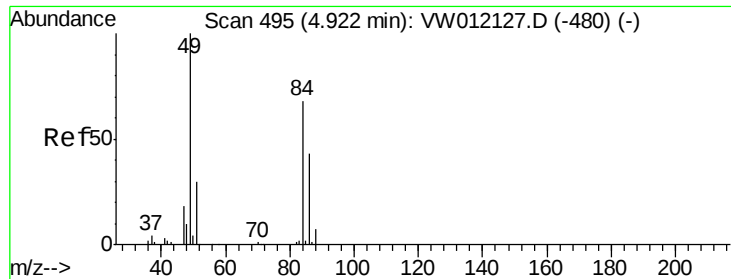
Tgt Ion: 59 Resp: 601
Ion Ratio Lower Upper
59 100
57 4.2 9.0 13.4#



#16
Acetone
Concen: 2.085 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW012519.D
Acq: 03 Sep 2019 01:05

Tgt Ion: 43 Resp: 1630
Ion Ratio Lower Upper
43 100
58 21.5 22.4 33.6#

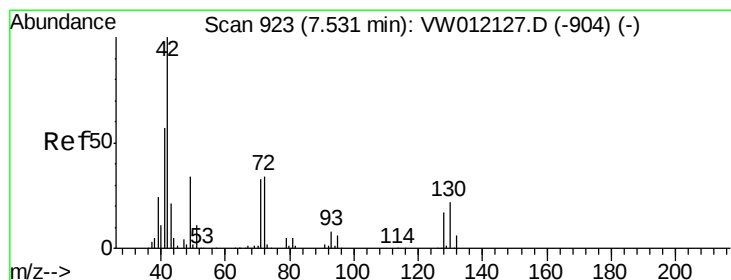
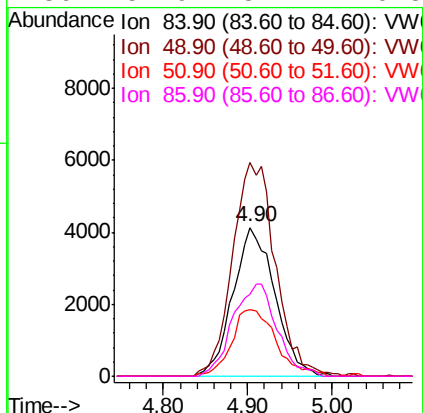
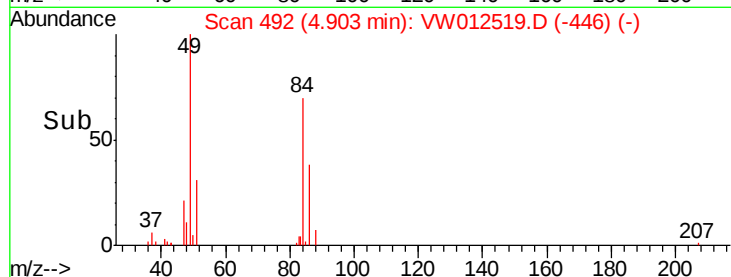
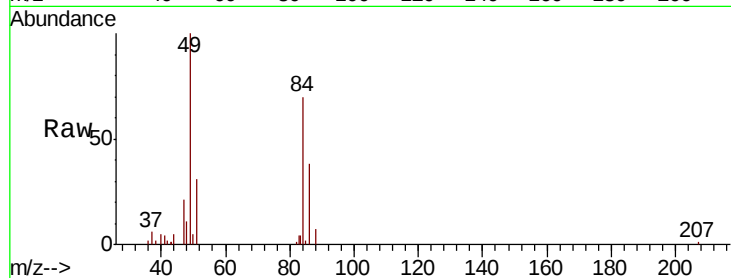




#20
Methylene Chloride
Concen: 4.723 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012519.D
Acq: 03 Sep 2019 01:05

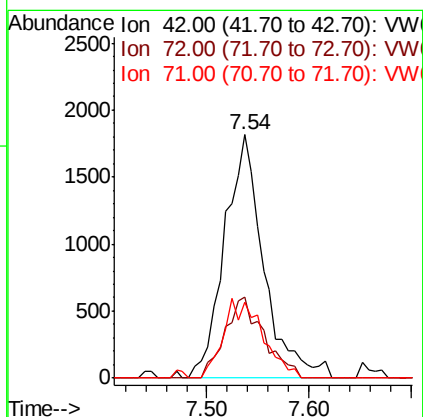
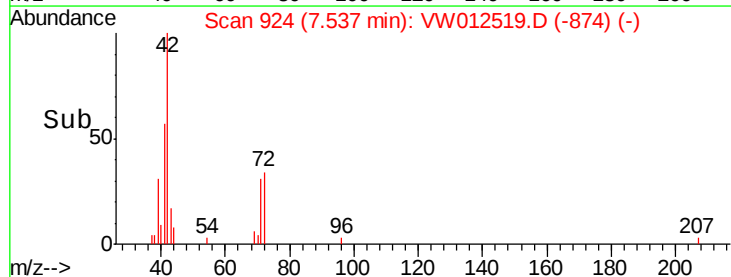
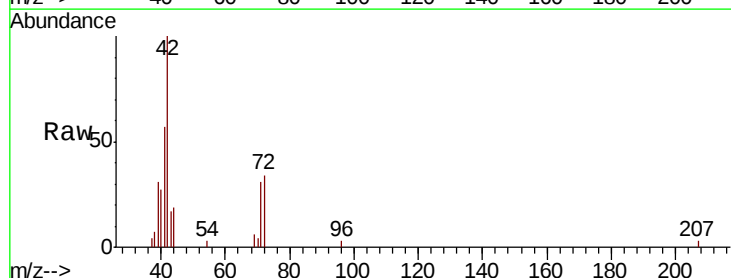
Instrument :
MSVOA_W
ClientSampleId :
T16-17-B4-(0)

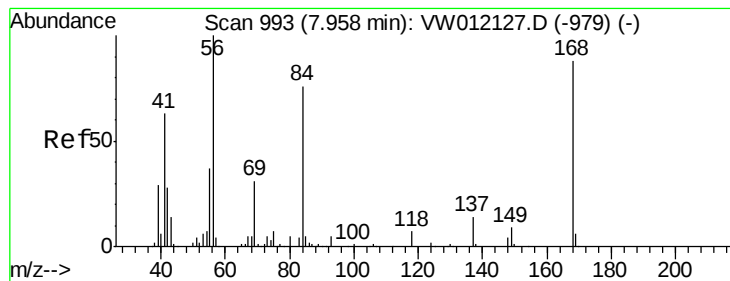
Tgt Ion:	84	Resp:	13960
Ion	Ratio	Lower	Upper
84	100		
49	143.6	117.8	176.8
51	45.1	35.6	53.4
86	54.9	51.2	76.8



#29
Tetrahydrofuran
Concen: 7.607 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012519.D
Acq: 03 Sep 2019 01:05

Tgt Ion:	42	Resp:	4849
Ion	Ratio	Lower	Upper
42	100		
72	33.0	27.3	40.9
71	32.3	25.5	38.3





#31

Cyclohexane

Concen: 1.099 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012519.D

Acq: 03 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

T16-17-B4-(0)

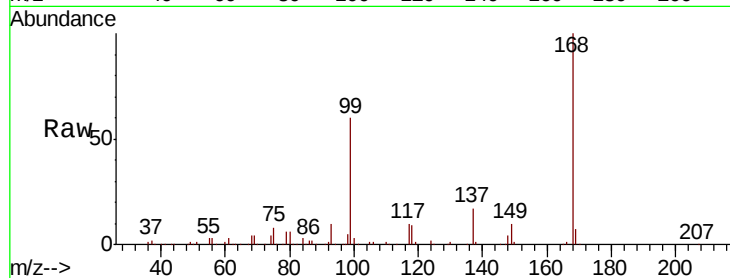
Tgt Ion: 56 Resp: 6053

Ion Ratio Lower Upper

56 100

69 155.7 24.9 37.3#

84 128.2 60.6 90.8#

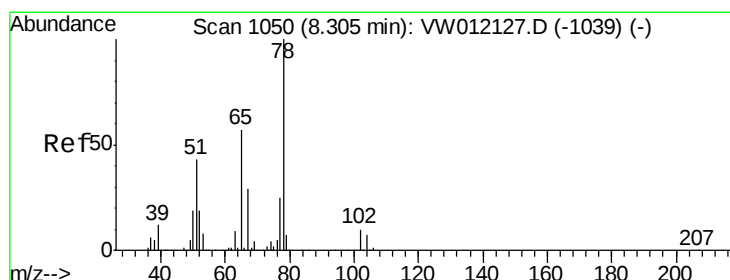
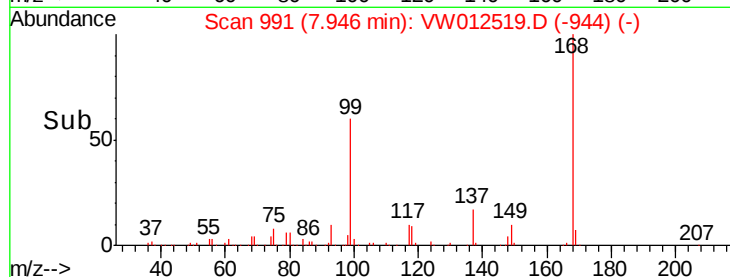
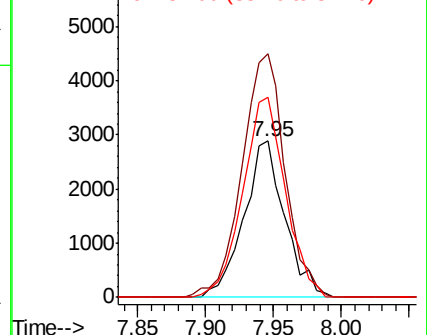


Abundance

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: 49.660 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012519.D

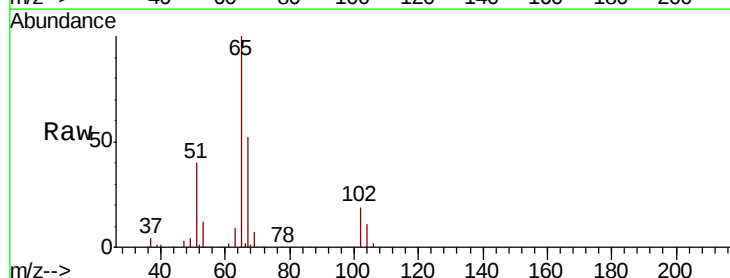
Acq: 03 Sep 2019 01:05

Tgt Ion: 65 Resp: 151893

Ion Ratio Lower Upper

65 100

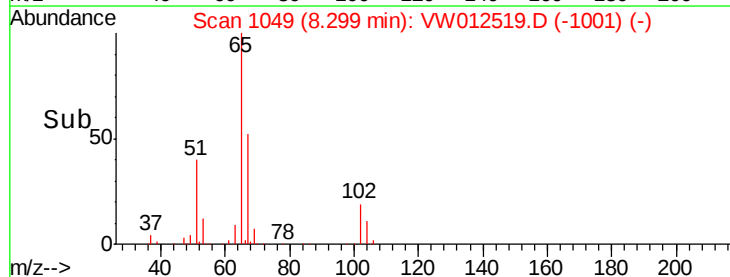
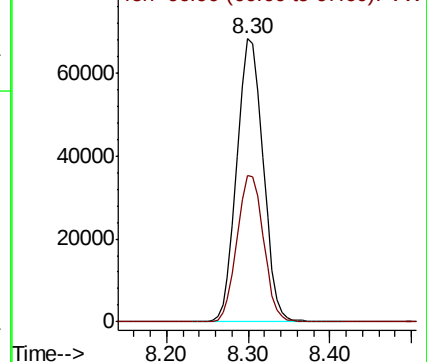
67 52.1 0.0 102.6

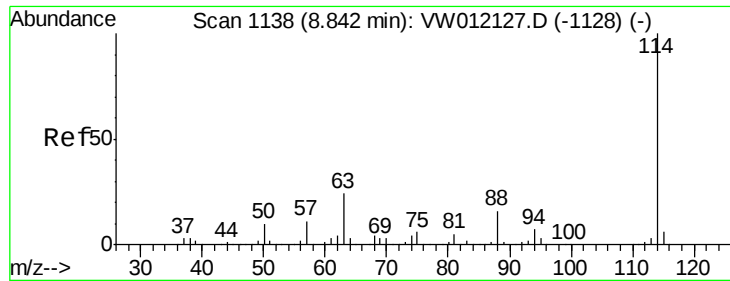


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

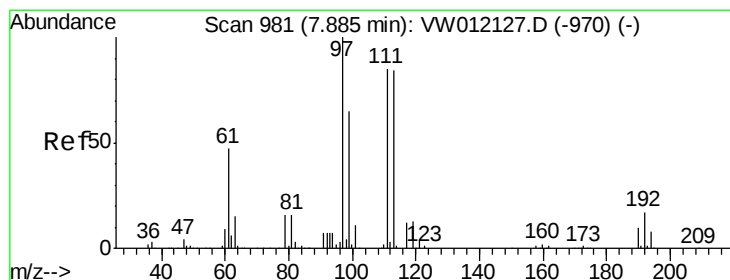
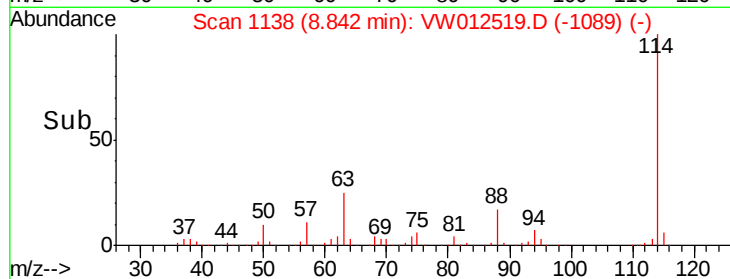
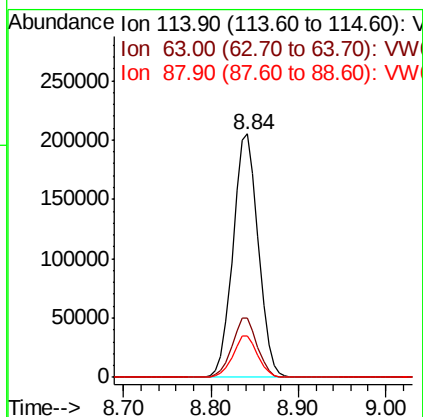
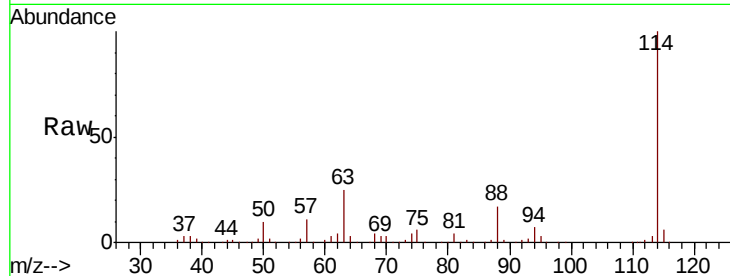




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012519.D
 Acq: 03 Sep 2019 01:05

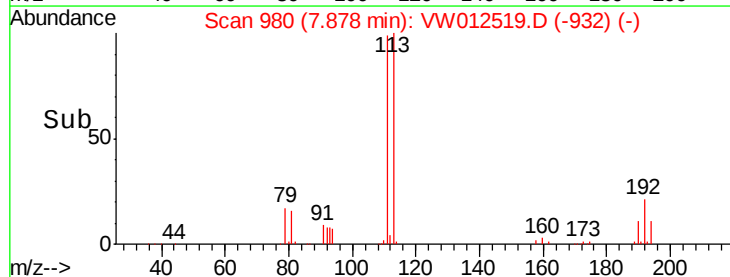
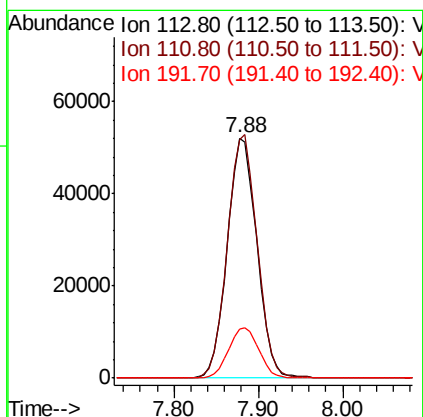
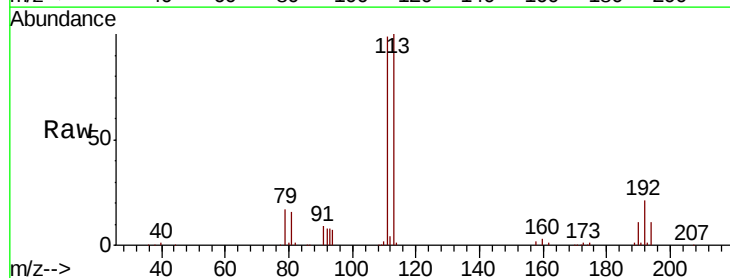
Instrument :
 MSVOA_W
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 T16-17-B4-(0)

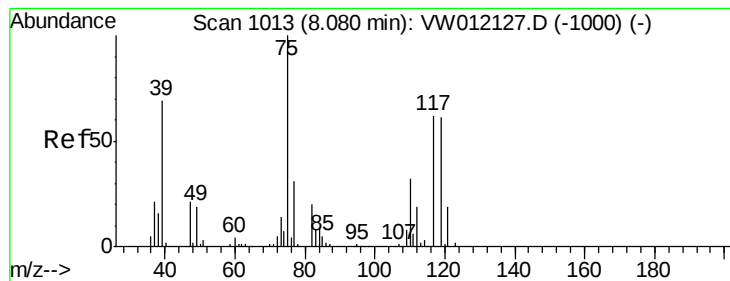
Tgt Ion:114 Resp: 412624
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 48.6
 88 17.1 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 50.556 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012519.D
 Acq: 03 Sep 2019 01:05

Tgt Ion:113 Resp: 124518
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.7 124.1
 192 21.3 16.2 24.2





#36

1,1-Dichloropropene

Concen: 4.962 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012519.D

Acq: 03 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

T16-17-B4-(0)

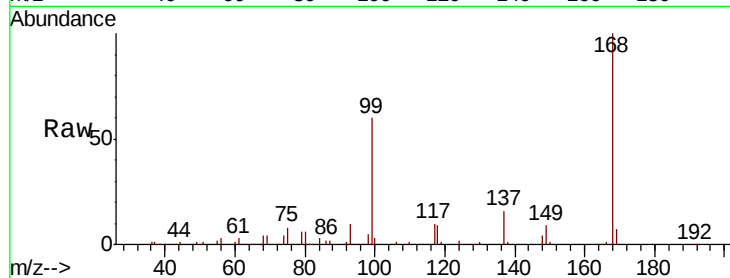
Tgt Ion: 75 Resp: 21157

Ion Ratio Lower Upper

75 100

110 8.8 15.6 46.8#

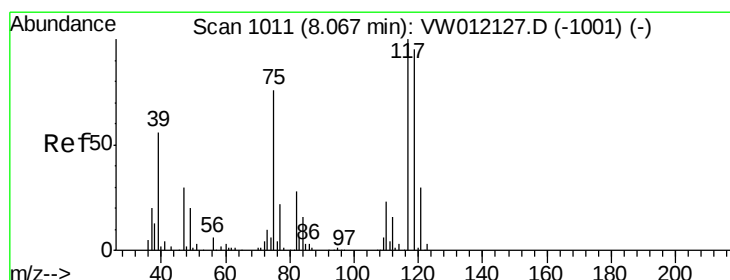
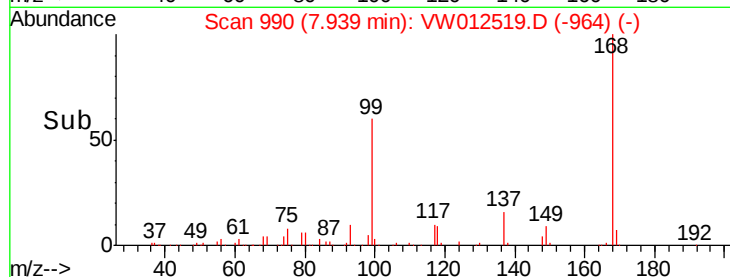
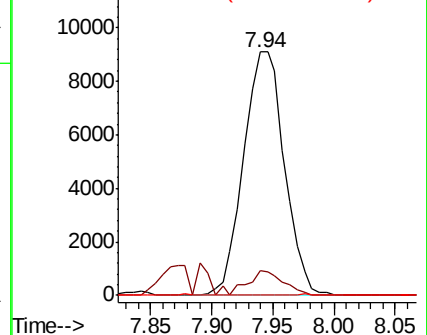
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.945 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012519.D

Acq: 03 Sep 2019 01:05

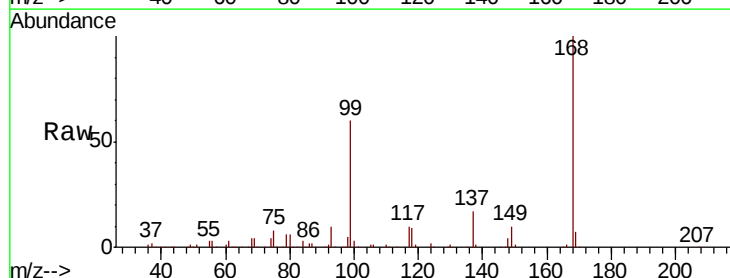
Tgt Ion: 117 Resp: 25630

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

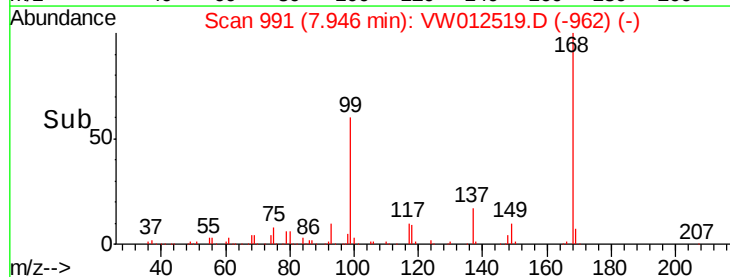
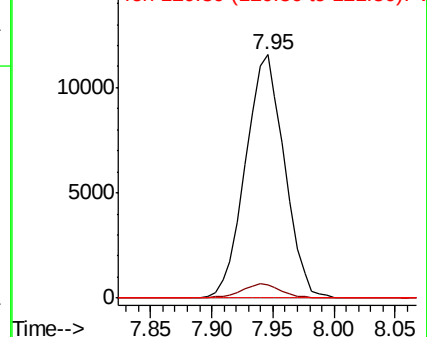
121 0.0 23.8 35.8#

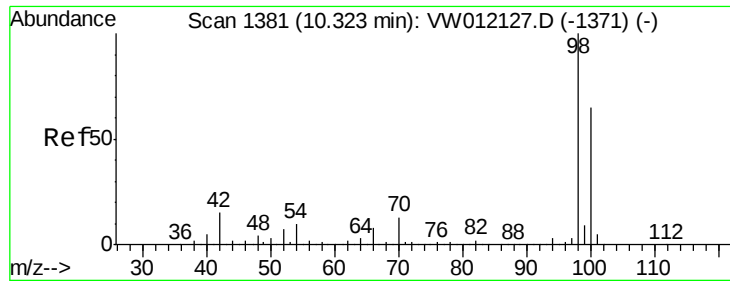


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.137 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012519.D

Acq: 03 Sep 2019 01:05

Instrument :

MSVOA_W

ClientSampleId :

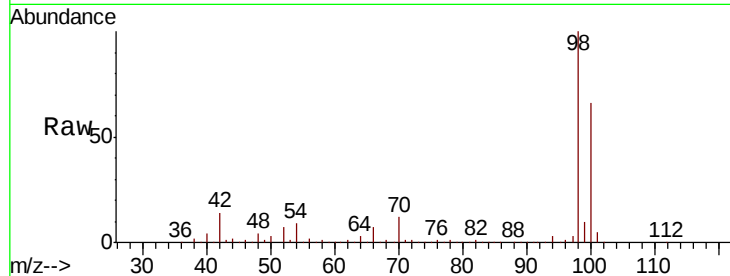
T16-17-B4-(0)

Tgt Ion: 98 Resp: 490713

Ion Ratio Lower Upper

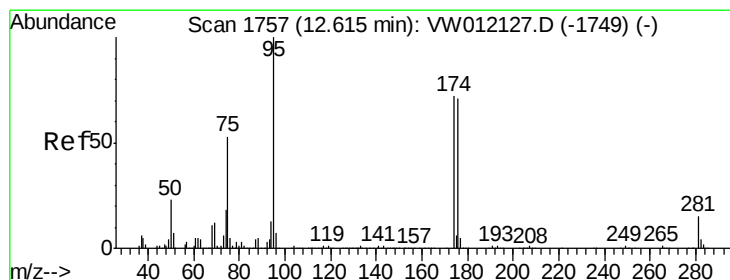
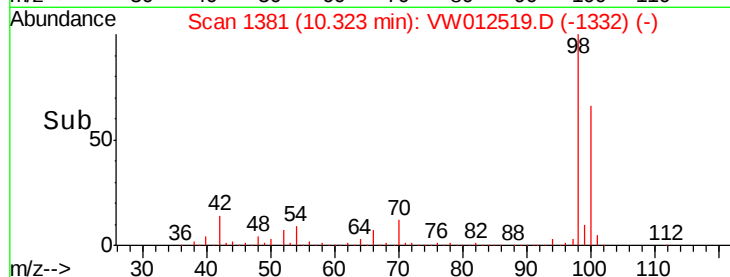
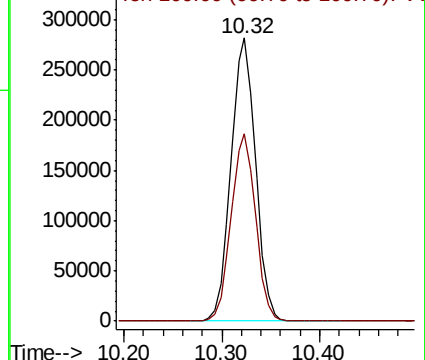
98 100

100 65.7 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 40.416 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012519.D

Acq: 03 Sep 2019 01:05

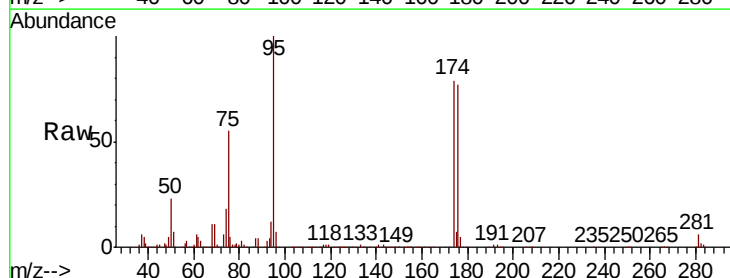
Tgt Ion: 95 Resp: 142275

Ion Ratio Lower Upper

95 100

174 78.7 0.0 150.8

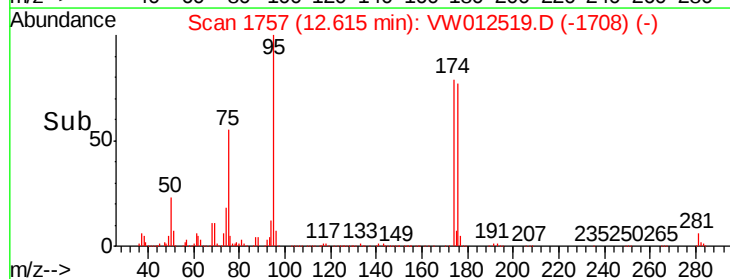
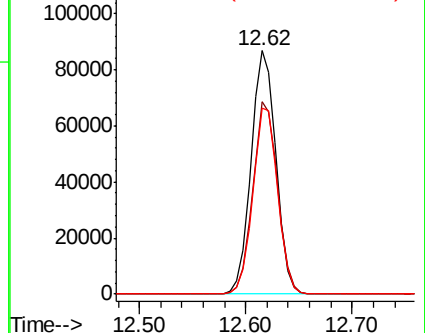
176 76.3 0.0 148.6

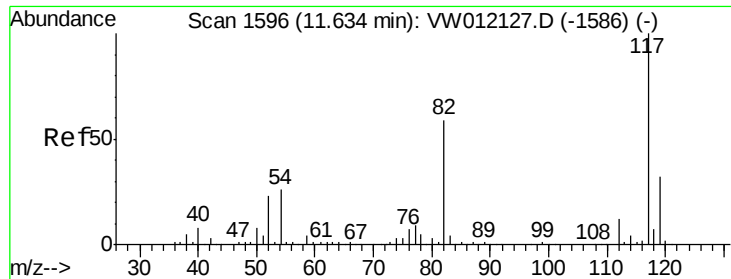


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

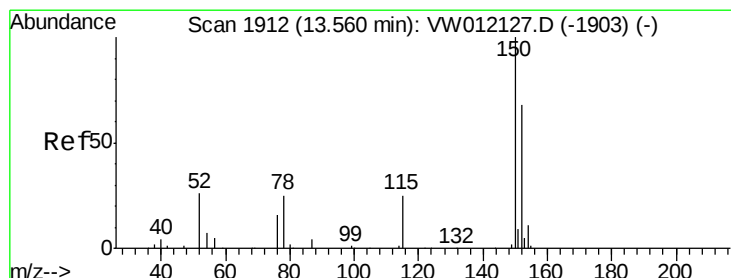
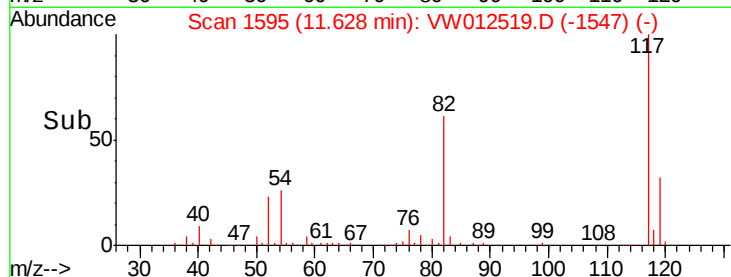
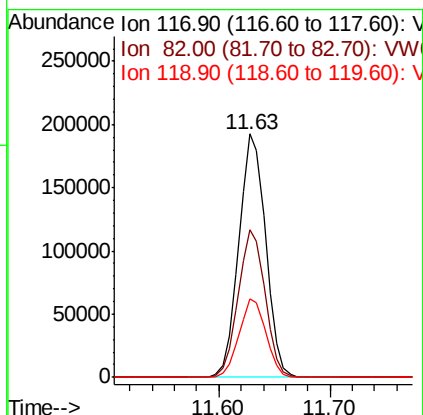
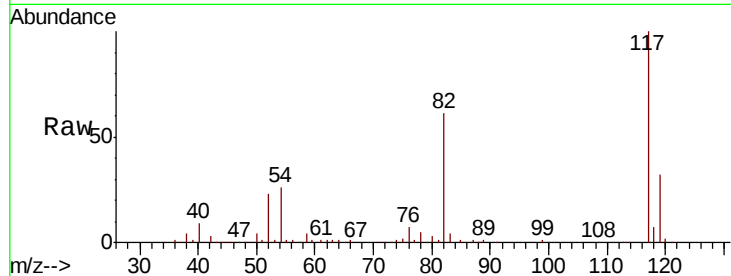




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012519.D
Acq: 03 Sep 2019 01:05

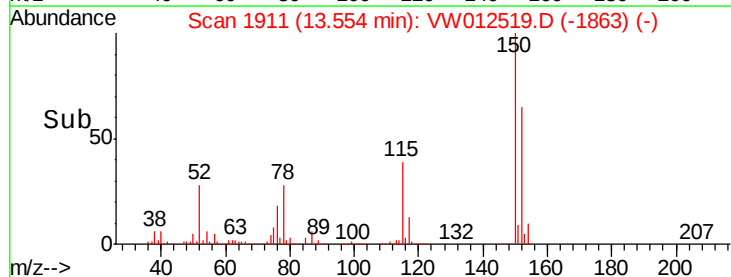
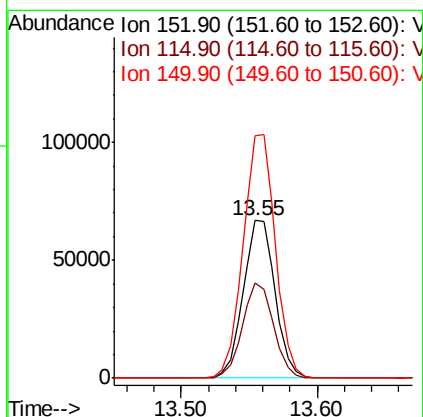
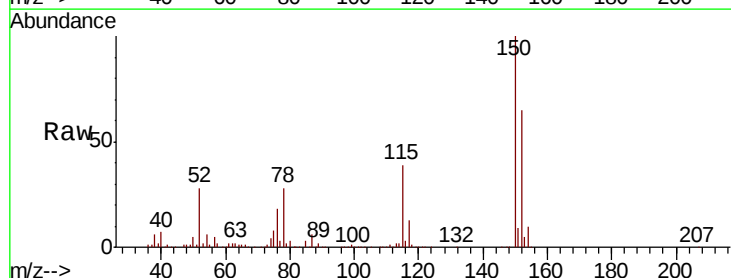
Instrument :
MSVOA_W
ClientSampleId :
T16-17-B4-(0)

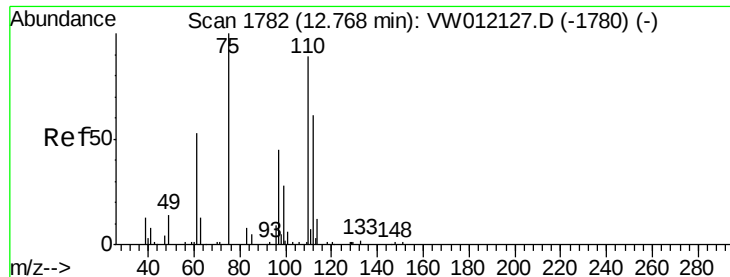
Tgt Ion:117 Resp: 321415
Ion Ratio Lower Upper
117 100
82 60.6 47.4 71.2
119 32.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012519.D
Acq: 03 Sep 2019 01:05

Tgt Ion:152 Resp: 109561
Ion Ratio Lower Upper
152 100
115 59.0 30.1 90.3
150 156.4 0.0 345.8

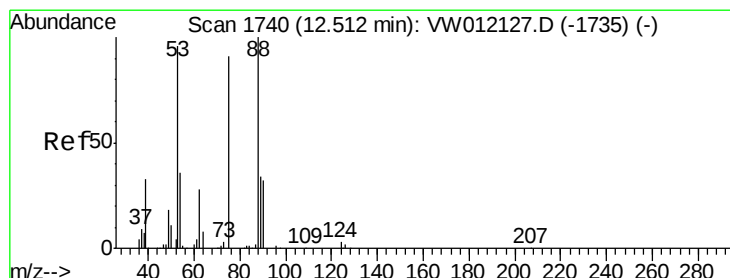
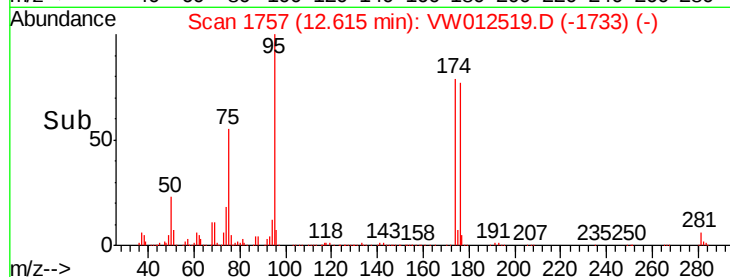
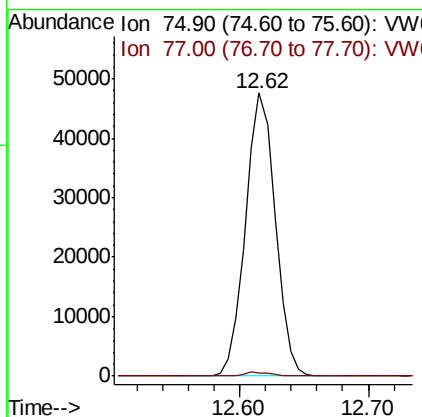
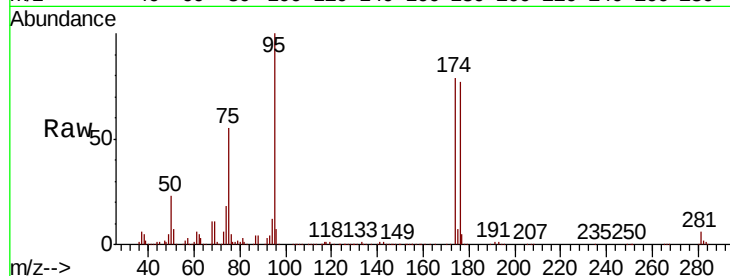




#76
 1,2,3-Trichloropropane
 Concen: 71.000 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012519.D
 Acq: 03 Sep 2019 01:05

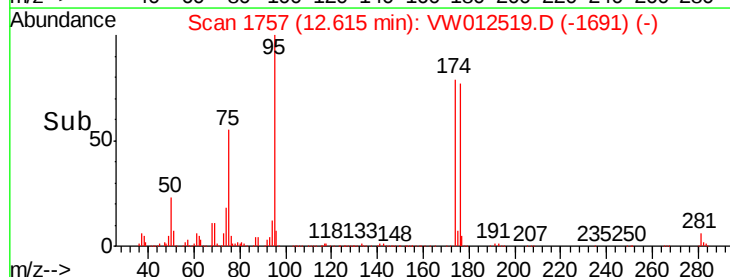
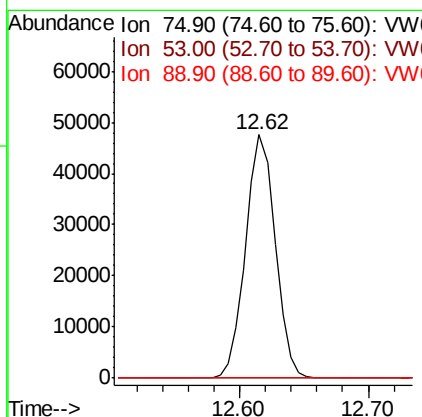
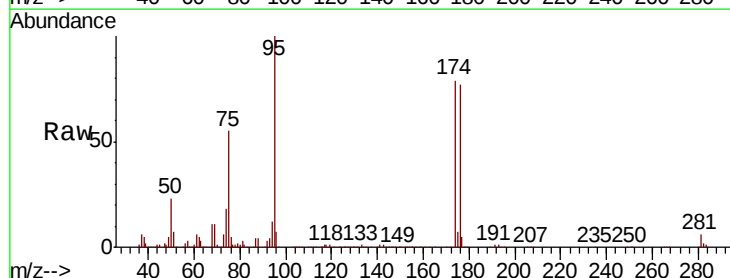
Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-B4-(0)

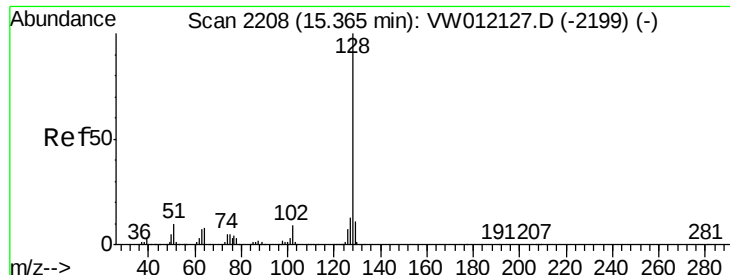
Tgt Ion: 75 Resp: 75760
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 155.670 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012519.D
 Acq: 03 Sep 2019 01:05

Tgt Ion: 75 Resp: 75760
 Ion Ratio Lower Upper
 75 100
 53 0.0 89.4 134.0#
 89 0.0 34.5 51.7#





#95
Naphthalene
Concen: 4.471 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW012519.D
Acq: 03 Sep 2019 01:05

Instrument :
MSVOA_W
ClientSampleId :
T16-17-B4-(0)

Tgt Ion:128 Resp: 678
Ion Ratio Lower Upper
128 100
127 6.6 10.7 16.1#
129 0.0 8.7 13.1#

