

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012516.D
 Acq On : 02 Sep 2019 23:48
 Operator : SY/VA
 Sample : K4544-02
 Misc : 4.82G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-B1-(0)

Quant Time: Sep 03 07:44:41 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	260188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	422574	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	342801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	124328	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	153997	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
35) Dibromofluoromethane	7.88	113	126059	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
50) Toluene-d8	10.32	98	510570	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.62	95	156141	43.31	ug/l	0.00
Spiked Amount			Recovery	=	86.62%	

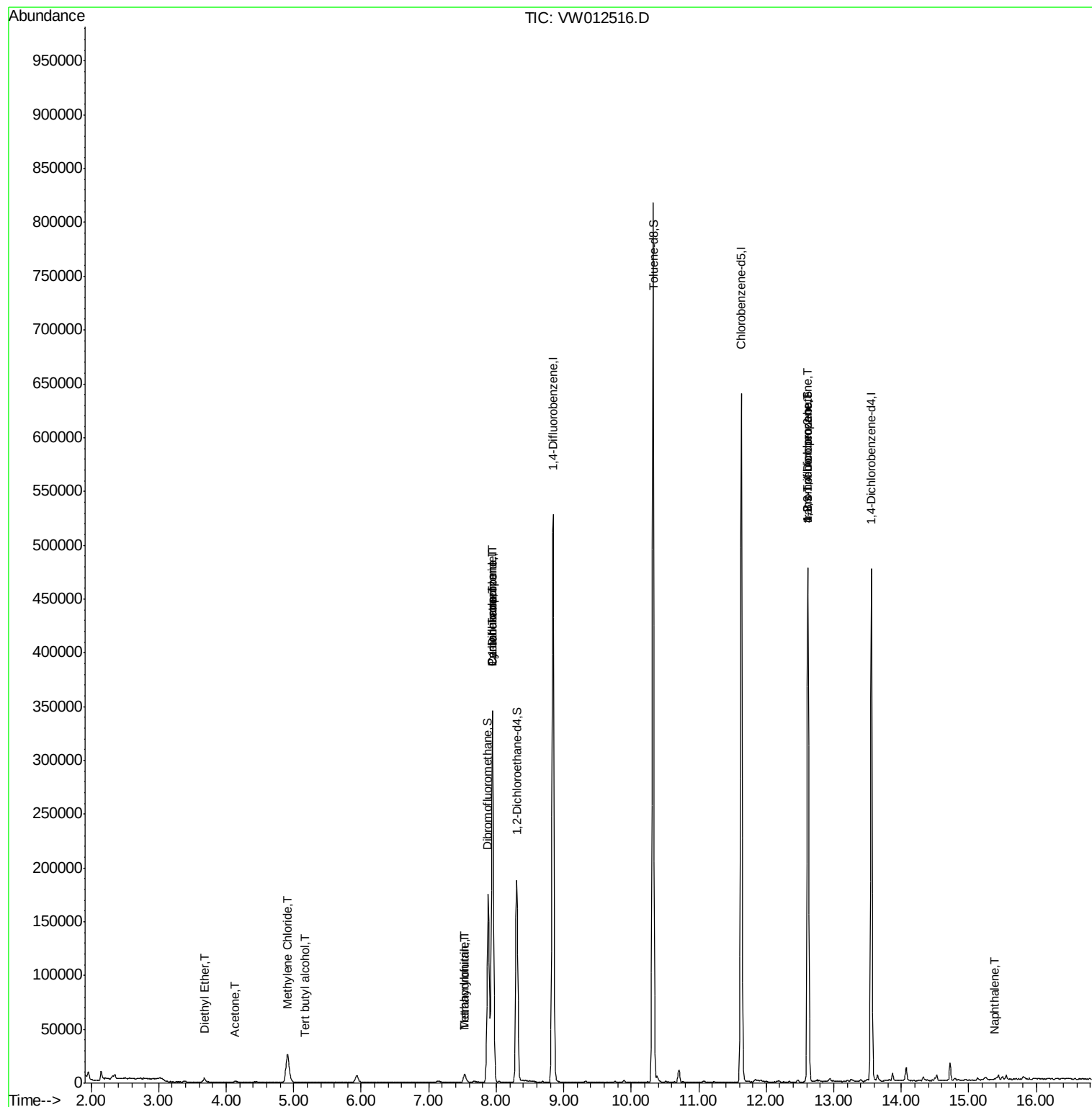
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1805	1.247	ug/l	69
11) Tert butyl alcohol	5.17	59	257	1.381	ug/l #	91
16) Acetone	4.14	43	1888	2.388	ug/l	98
20) Methylene Chloride	4.91	84	19387	6.486	ug/l	93
29) Tetrahydrofuran	7.53	42	7042	10.925	ug/l	98
31) Cyclohexane	7.95	56	6219	1.116	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21316	4.881	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25814	6.830	ug/l #	16
41) Methacrylonitrile	7.54	41	4193	2.981	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	82137	67.833	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	82137	148.727	ug/l #	6
95) Naphthalene	15.38	128	1143	4.544	ug/l #	94

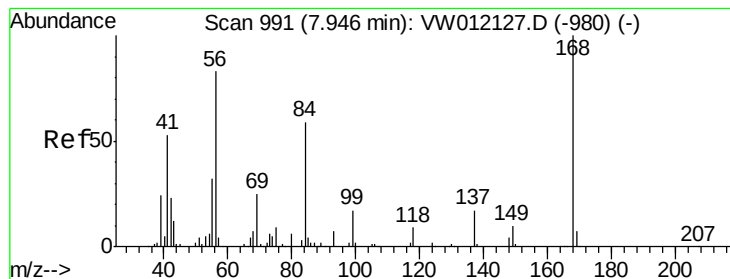
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012516.D

Acq: 02 Sep 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

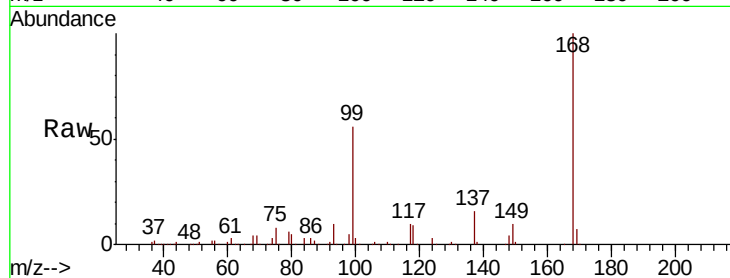
T16-17-B1-(0)

Tgt Ion:168 Resp: 260188

Ion Ratio Lower Upper

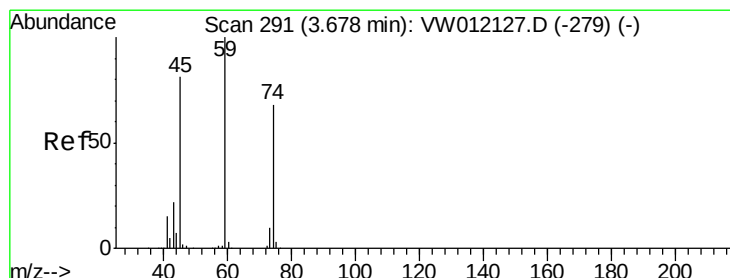
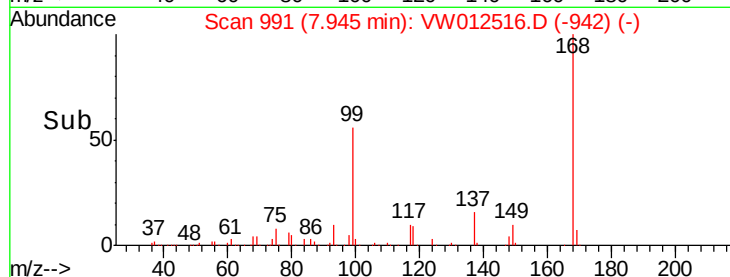
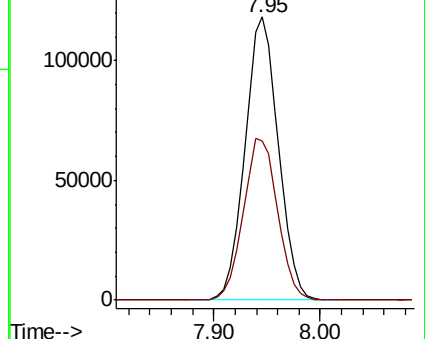
168 100

99 56.3 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.247 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012516.D

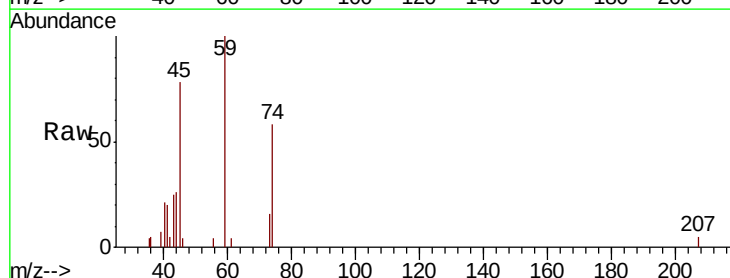
Acq: 02 Sep 2019 23:48

Tgt Ion: 74 Resp: 1805

Ion Ratio Lower Upper

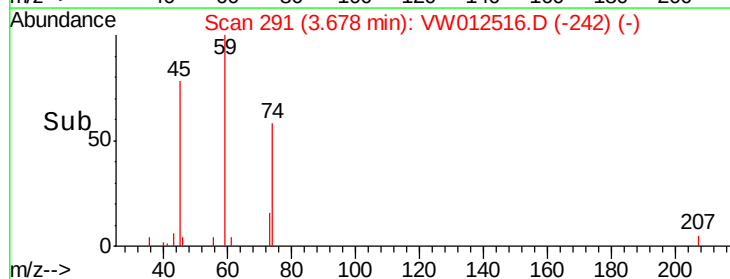
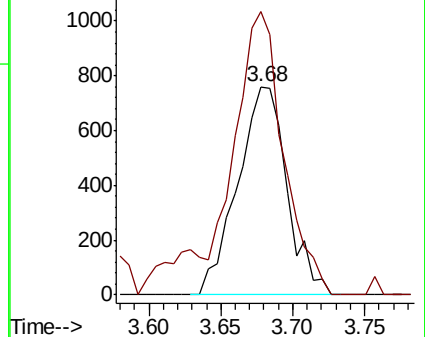
74 100

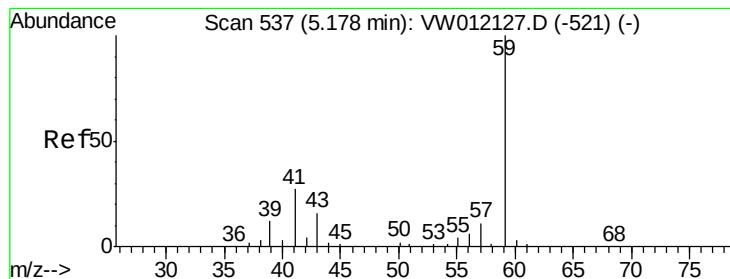
45 152.2 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 1.381 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW012516.D

Acq: 02 Sep 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

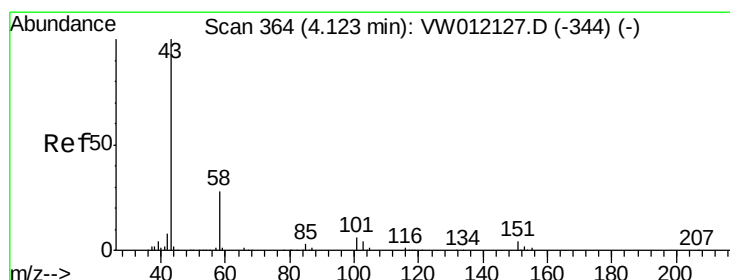
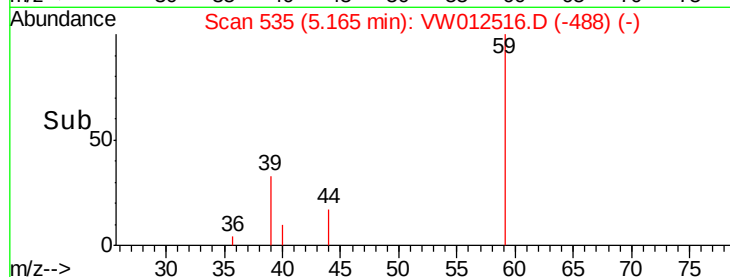
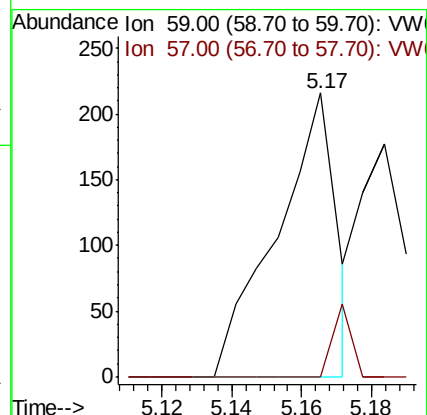
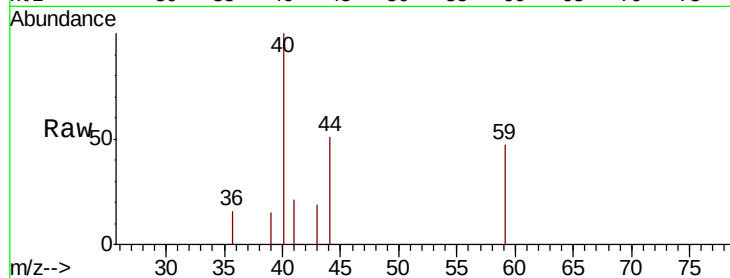
T16-17-B1-(0)

Tgt Ion: 59 Resp: 257

Ion Ratio Lower Upper

59 100

57 7.8 9.0 13.4#



#16

Acetone

Concen: 2.388 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW012516.D

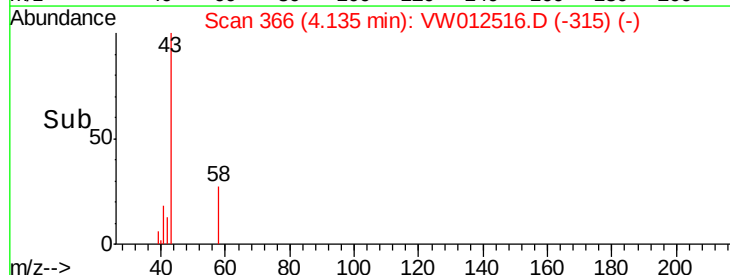
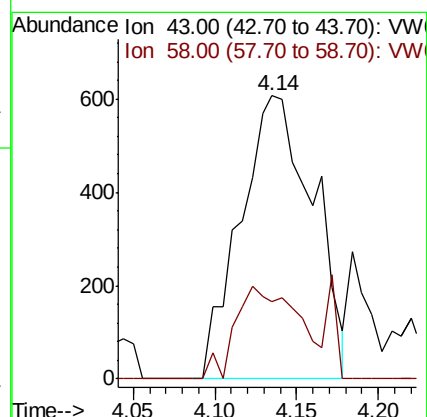
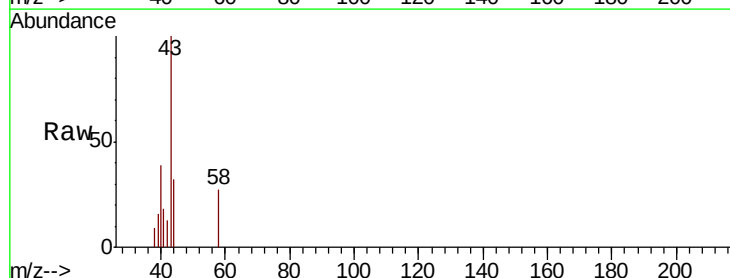
Acq: 02 Sep 2019 23:48

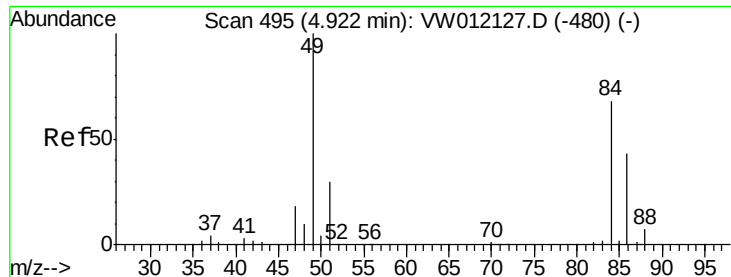
Tgt Ion: 43 Resp: 1888

Ion Ratio Lower Upper

43 100

58 27.2 22.4 33.6

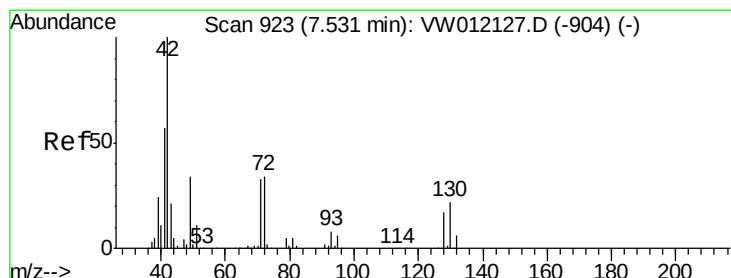
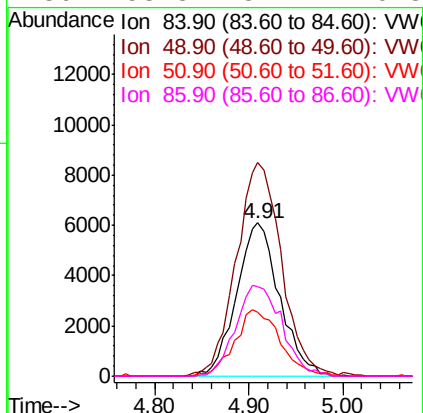
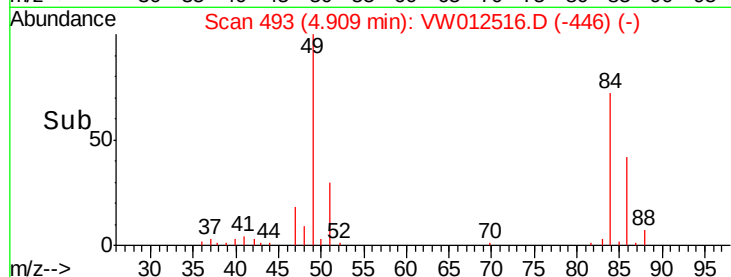
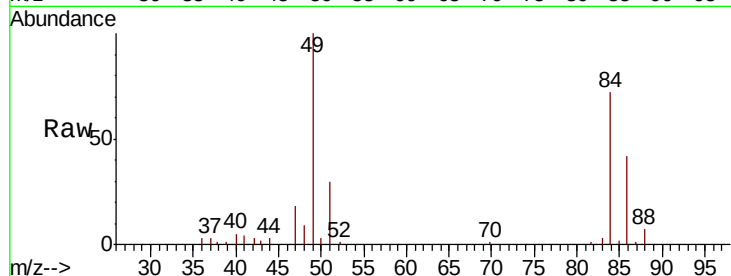




#20
Methylene Chloride
Concen: 6.486 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012516.D
Acq: 02 Sep 2019 23:48

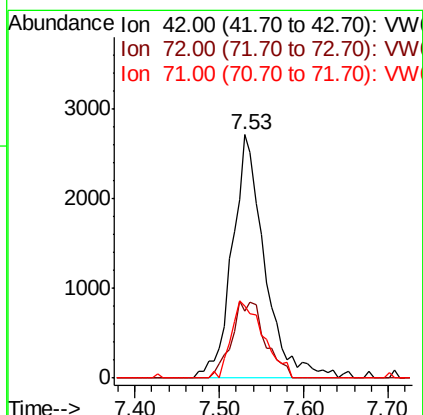
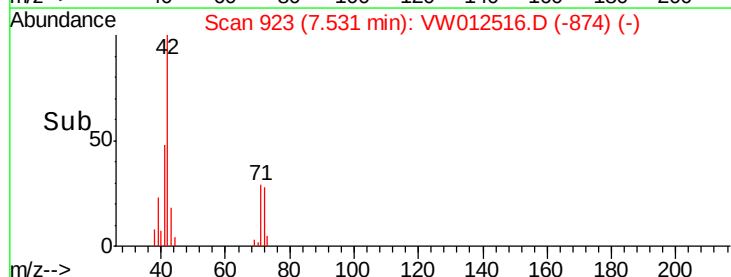
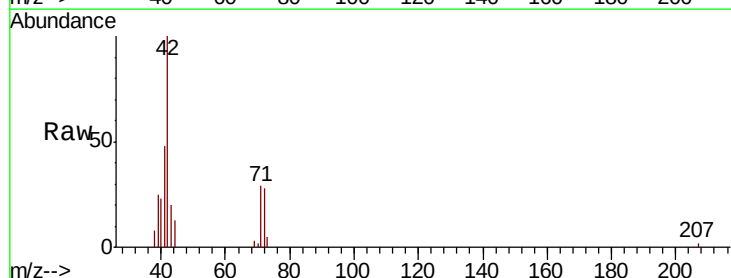
Instrument :
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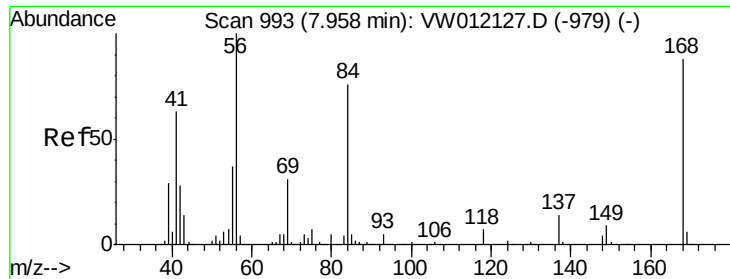
Tgt Ion:	84	Resp:	19387
Ion	Ratio	Lower	Upper
84	100		
49	138.2	117.8	176.8
51	42.0	35.6	53.4
86	58.3	51.2	76.8



#29
Tetrahydrofuran
Concen: 10.925 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012516.D
Acq: 02 Sep 2019 23:48

Tgt Ion:	42	Resp:	7042
Ion	Ratio	Lower	Upper
42	100		
72	32.5	27.3	40.9
71	32.0	25.5	38.3

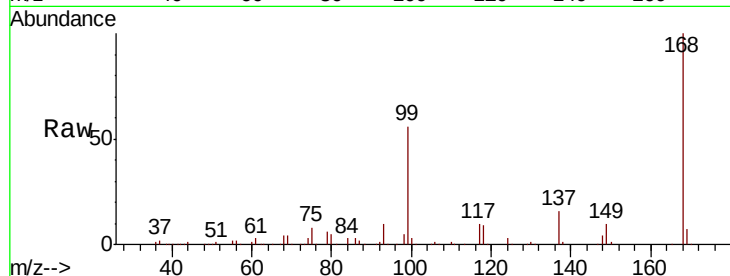




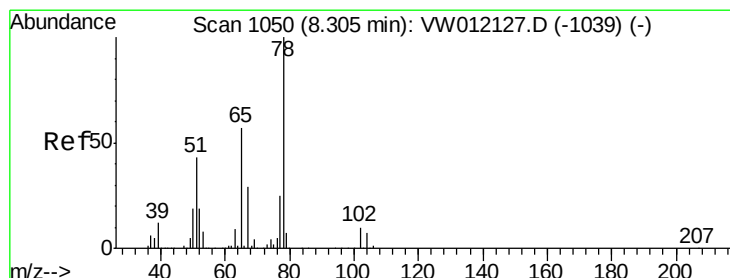
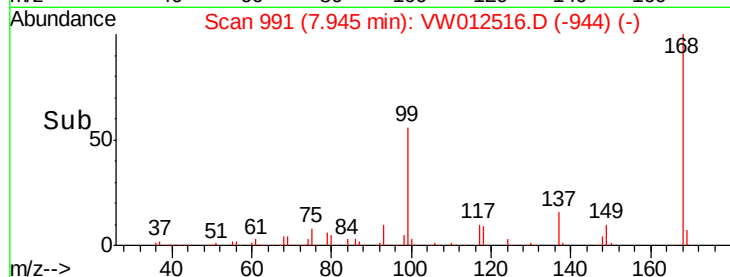
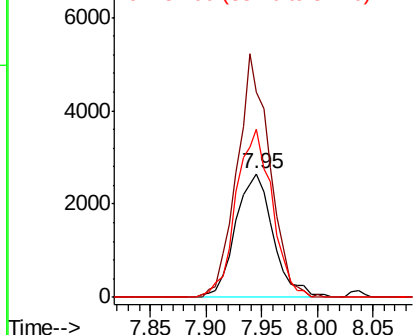
#31
Cyclohexane
Concen: 1.116 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012516.D
Acq: 02 Sep 2019 23:48

Instrument :
MSVOA_W
ClientSampleId :
T16-17-B1-(0)

Tgt Ion: 56 Resp: 6219
Ion Ratio Lower Upper
56 100
69 166.2 24.9 37.3#
84 135.5 60.6 90.8#

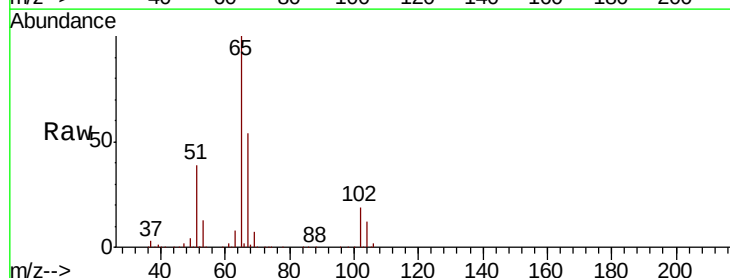


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

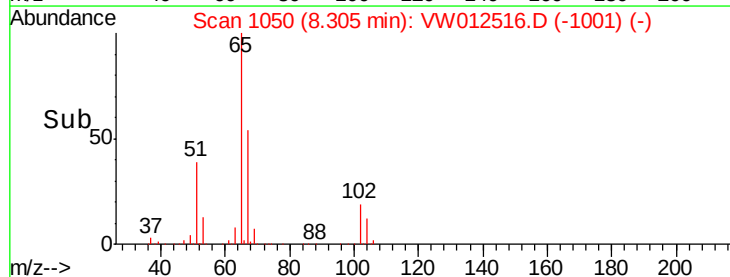
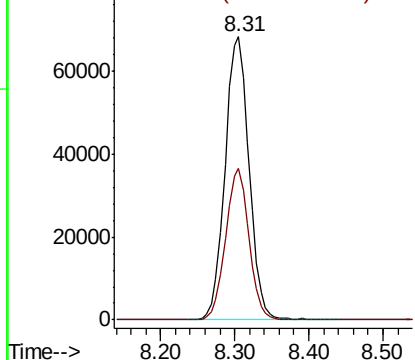


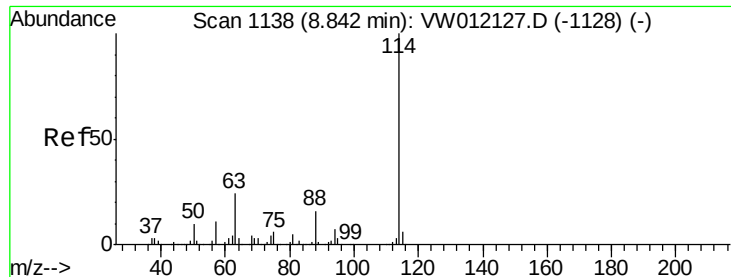
#33
1,2-Dichloroethane-d4
Concen: 49.789 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012516.D
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Tgt Ion: 65 Resp: 153997
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

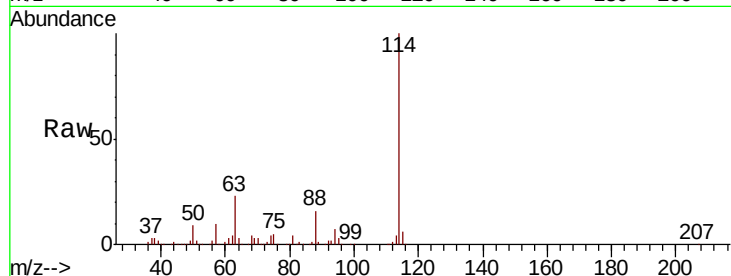




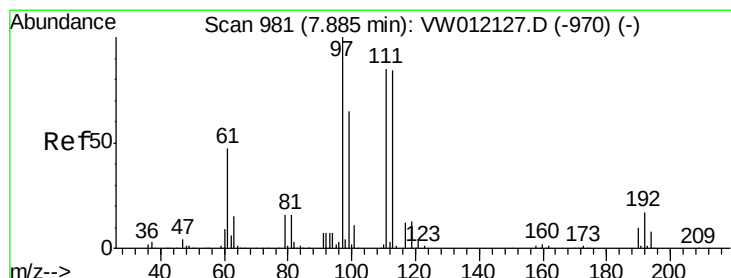
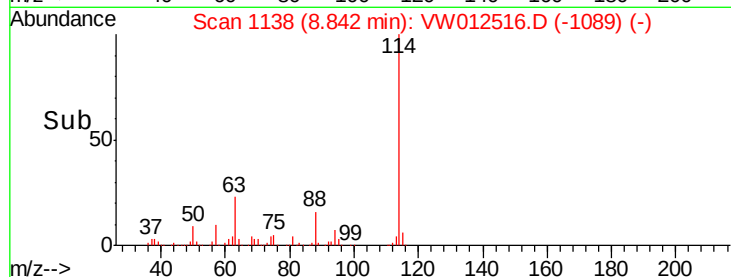
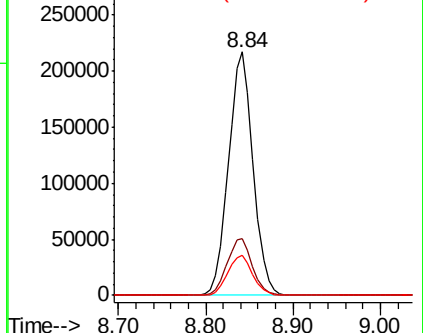
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012516.D
 Acq: 02 Sep 2019 23:48

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Tgt Ion:114 Resp: 422574
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 48.6
 88 16.4 0.0 32.2

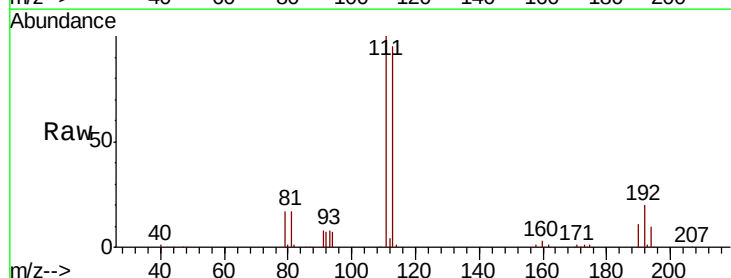


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

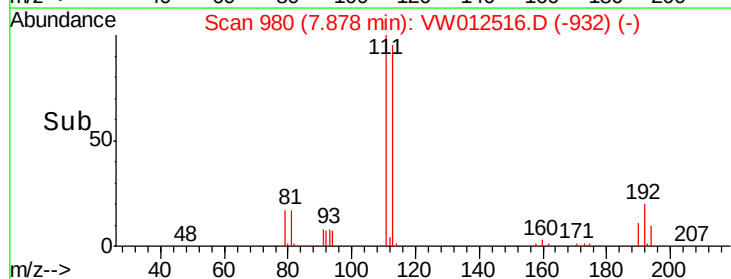
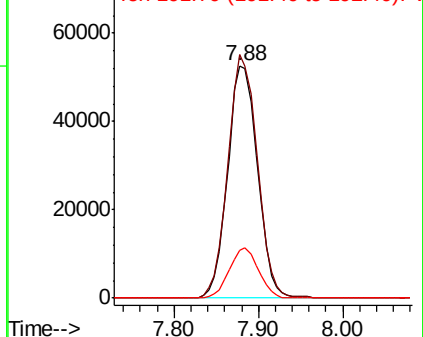


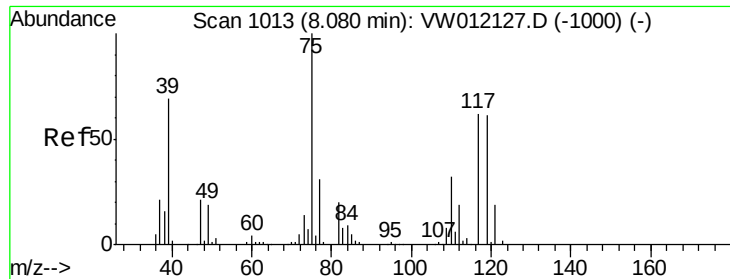
#35
 Dibromofluoromethane
 Concen: 49.977 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012516.D
 Acq: 02 Sep 2019 23:48

Tgt Ion:113 Resp: 126059
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.7 124.1
 192 21.1 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

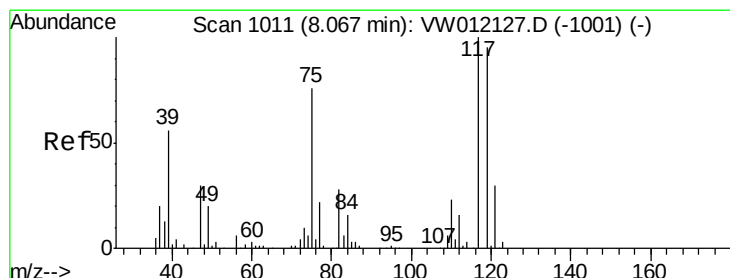
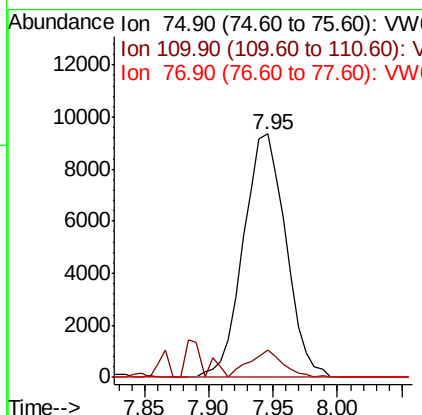
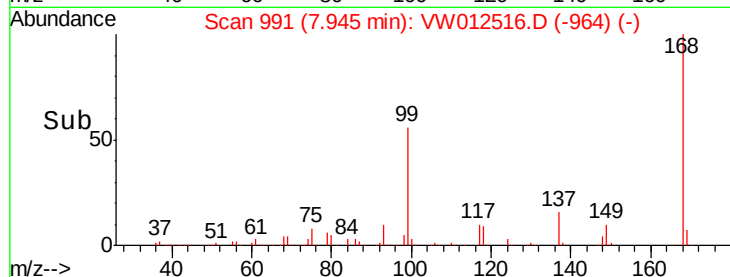
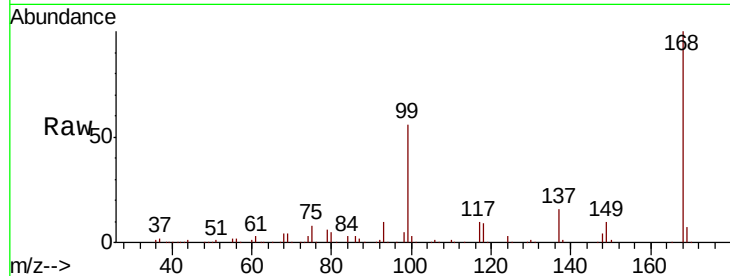




#36
 1,1-Dichloropropene
 Concen: 4.881 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012516.D
 Acq: 02 Sep 2019 23:48

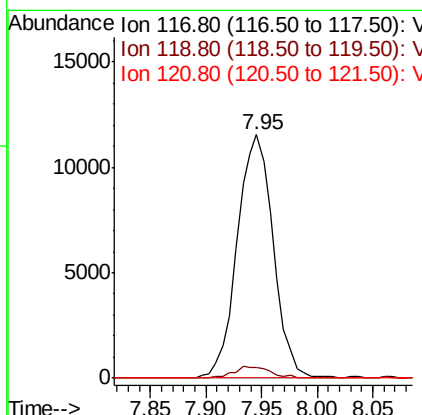
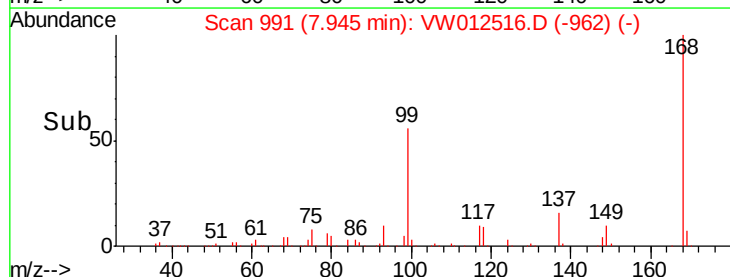
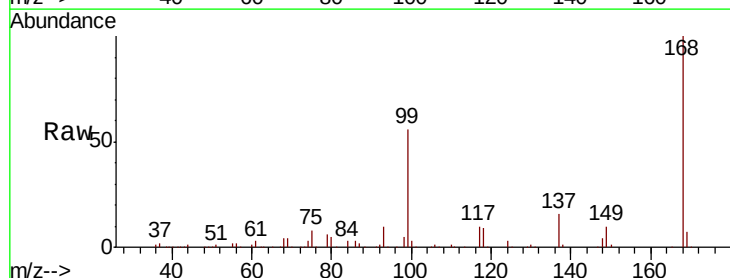
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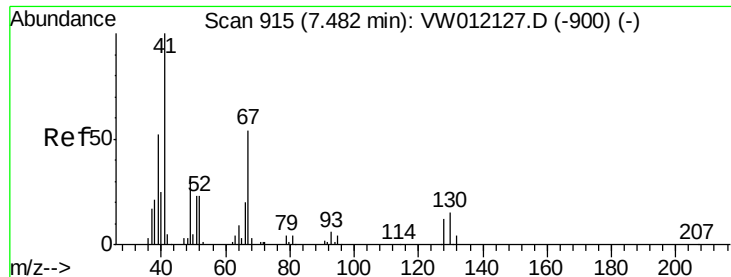
Tgt Ion: 75 Resp: 21316
 Ion Ratio Lower Upper
 75 100
 110 9.0 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.830 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012516.D
 Acq: 02 Sep 2019 23:48

Tgt Ion: 117 Resp: 25814
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.2 114.2#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 2.981 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012516.D

Acq: 02 Sep 2019 23:48

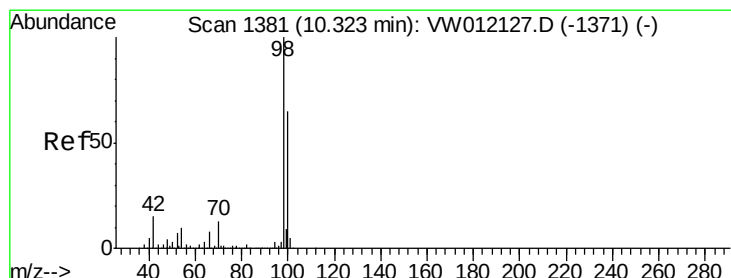
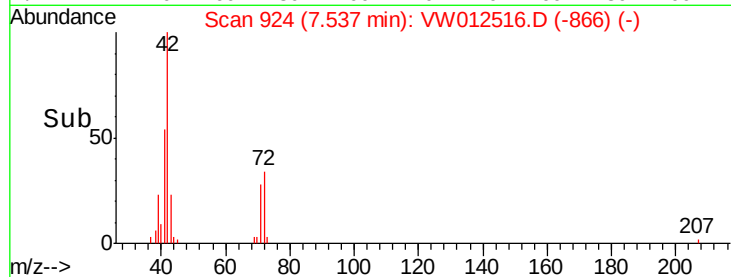
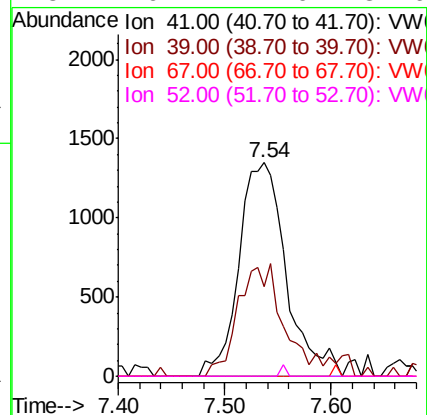
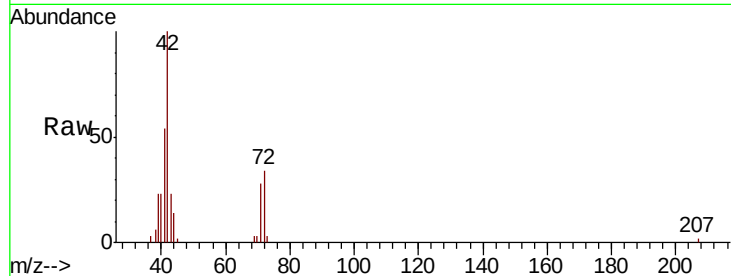
Instrument :

MSVOA_W

ClientSampleId :

T16-17-B1-(0)

Tgt Ion:	41	Resp:	4193
Ion	Ratio	Lower	Upper
41	100		
39	50.5	45.8	68.8
67	0.0	46.2	69.4#
52	0.7	21.0	31.6#



#50

Toluene-d8

Concen: 49.922 ug/l

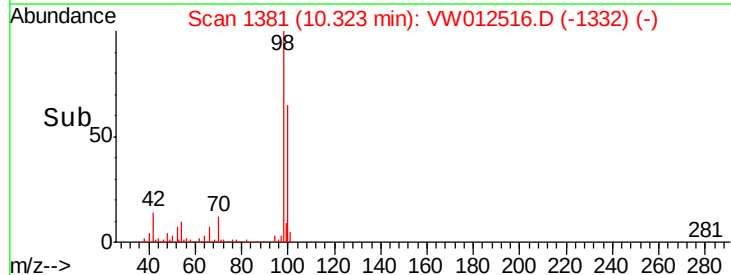
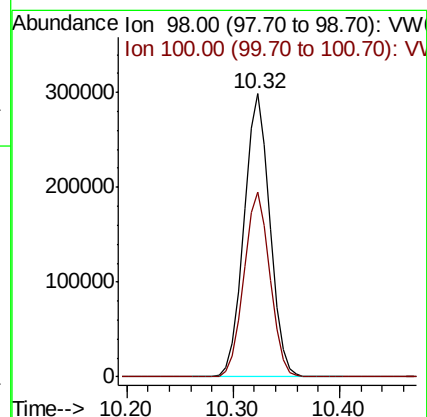
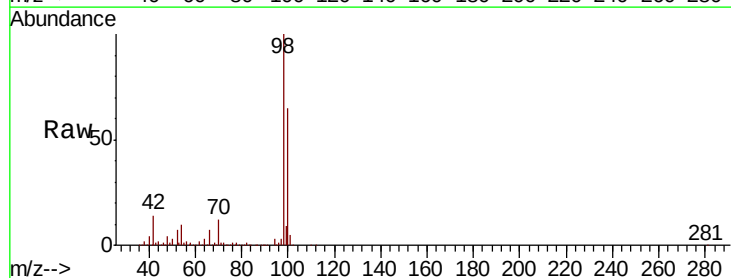
RT: 10.32 min Scan# 1381

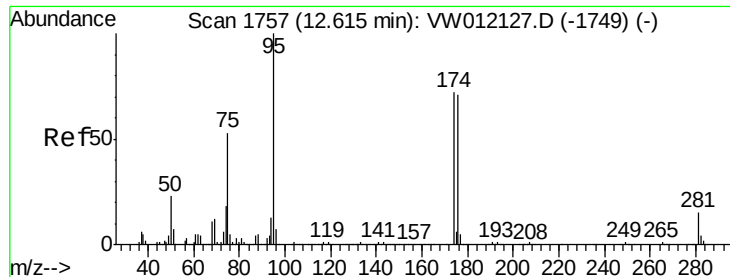
Delta R.T. -0.00 min

Lab File: VW012516.D

Acq: 02 Sep 2019 23:48

Tgt Ion:	98	Resp:	510570
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.4	78.6





#62

4-Bromofluorobenzene

Concen: 43.310 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012516.D

Acq: 02 Sep 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

T16-17-B1-(0)

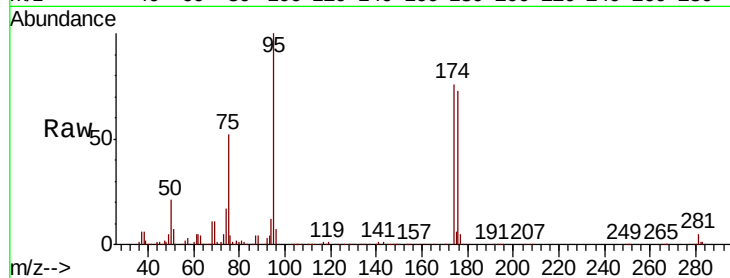
Tgt Ion: 95 Resp: 156141

Ion Ratio Lower Upper

95 100

174 78.2 0.0 150.8

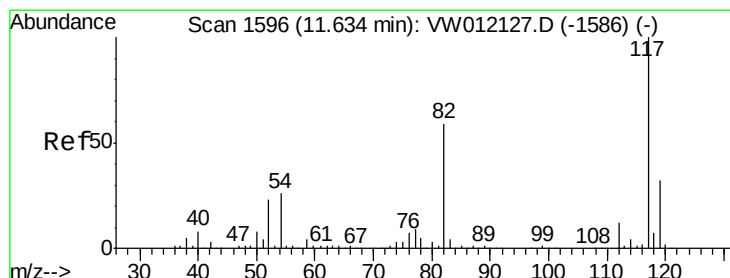
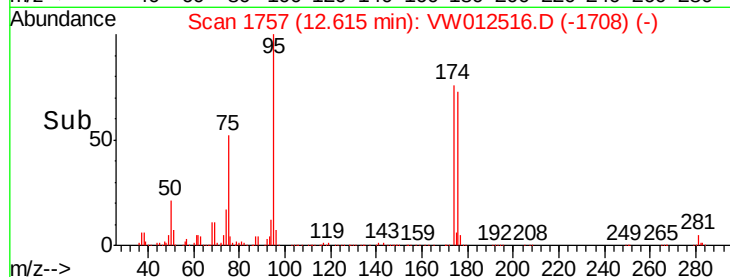
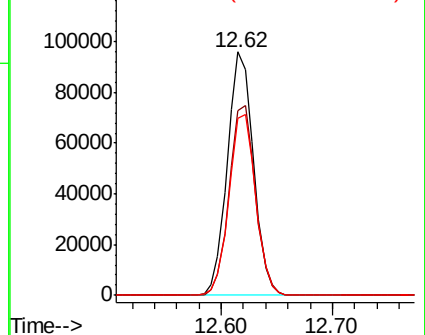
176 76.0 0.0 148.6



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: VW012516.D

Acq: 02 Sep 2019 23:48

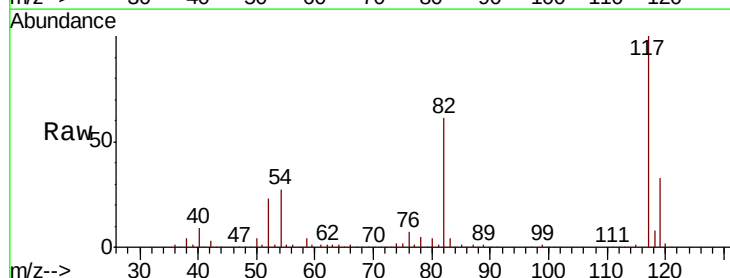
Tgt Ion: 117 Resp: 342801

Ion Ratio Lower Upper

117 100

82 60.9 47.4 71.2

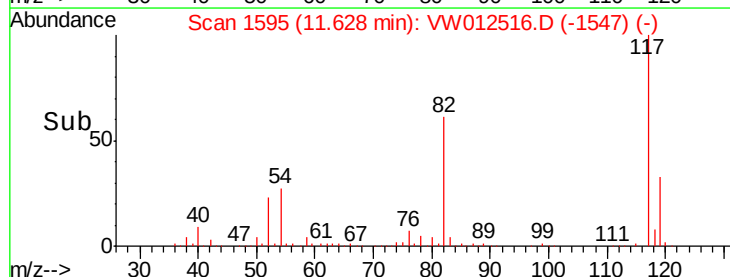
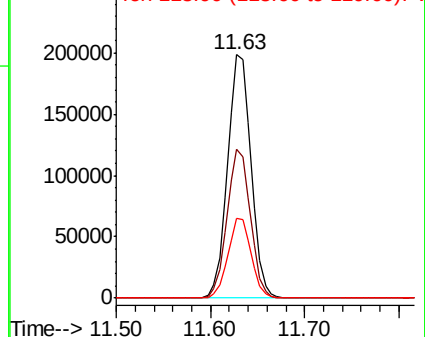
119 32.6 25.4 38.2

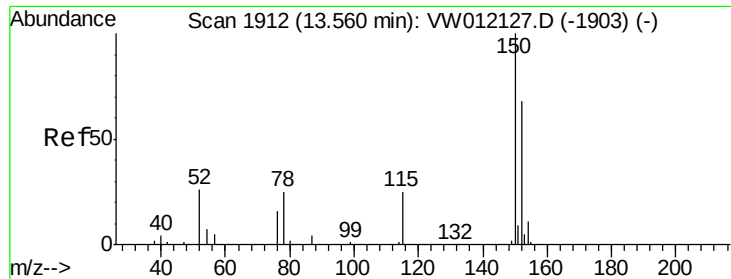


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012516.D

Acq: 02 Sep 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

T16-17-B1-(0)

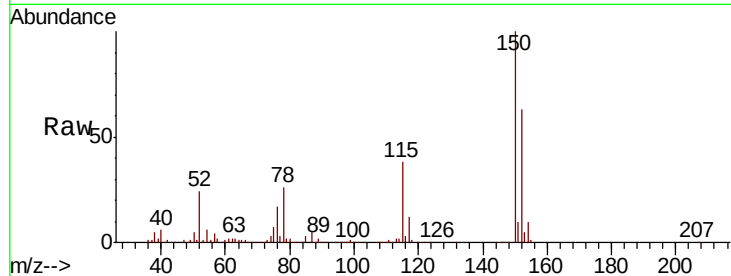
Tgt Ion:152 Resp: 124328

Ion Ratio Lower Upper

152 100

115 59.7 30.1 90.3

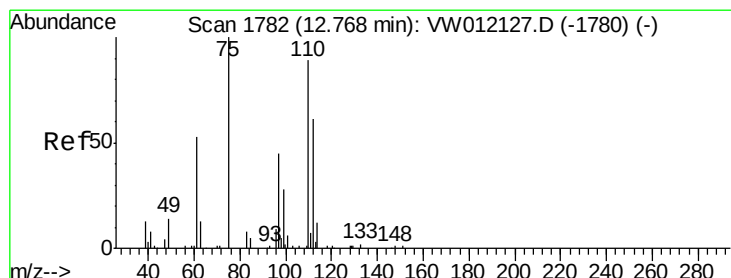
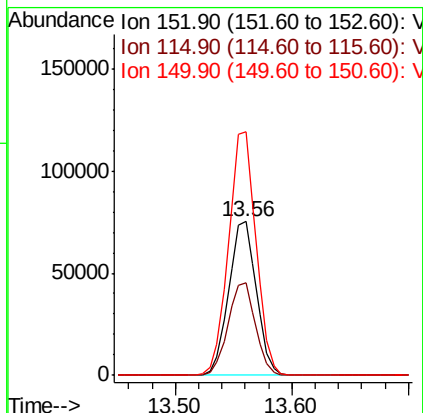
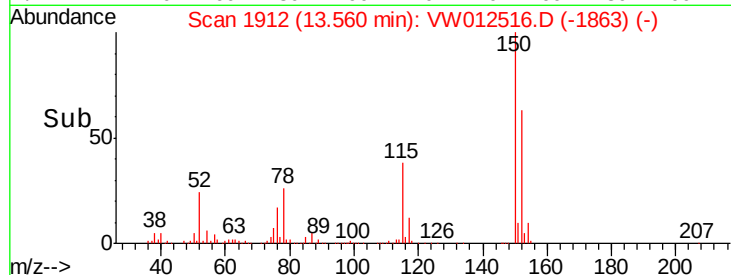
150 157.3 0.0 345.8



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



#76

1,2,3-Trichloropropane

Concen: 67.833 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012516.D

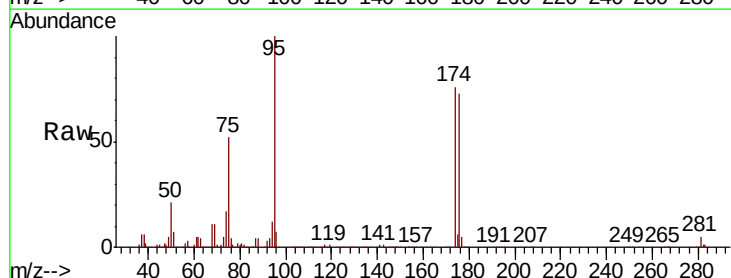
Acq: 02 Sep 2019 23:48

Tgt Ion: 75 Resp: 82137

Ion Ratio Lower Upper

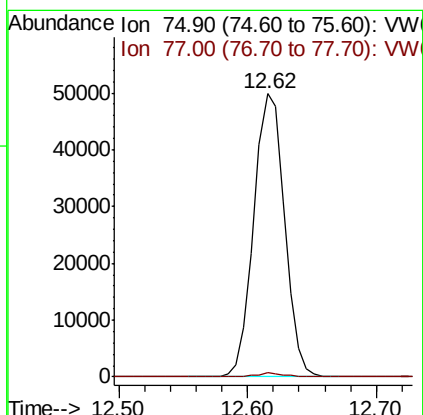
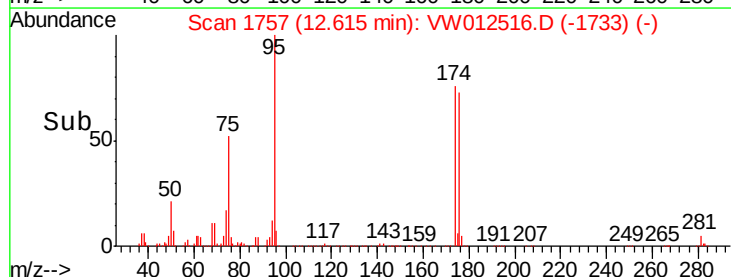
75 100

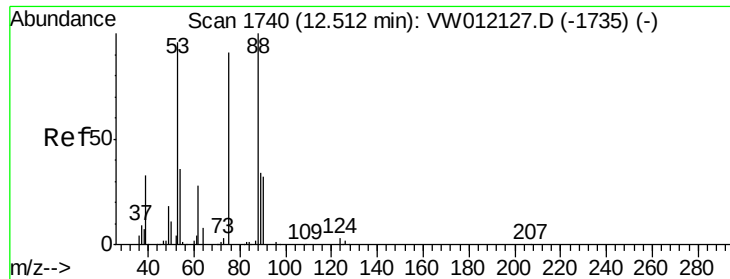
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 148.727 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012516.D

Acq: 02 Sep 2019 23:48

Instrument :

MSVOA_W

ClientSampleId :

T16-17-B1-(0)

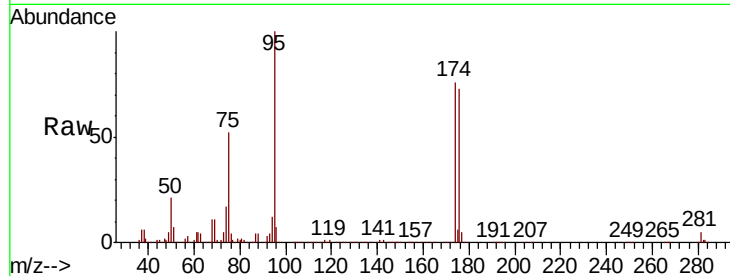
Tgt Ion: 75 Resp: 82137

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

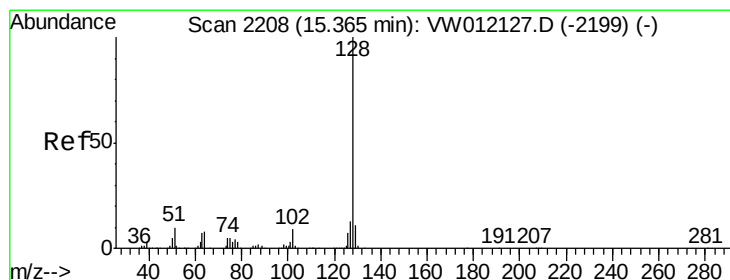
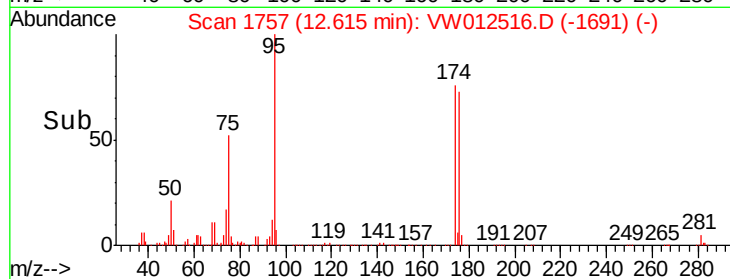
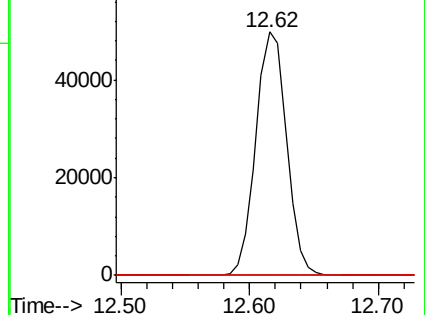
89 0.0 34.5 51.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 4.544 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012516.D

Acq: 02 Sep 2019 23:48

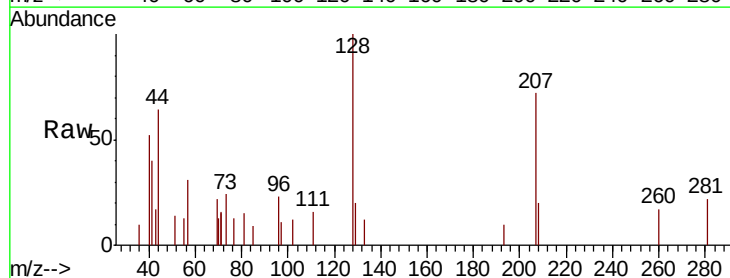
Tgt Ion: 128 Resp: 1143

Ion Ratio Lower Upper

128 100

127 11.3 10.7 16.1

129 8.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

