

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011540.D
 Acq On : 27 Jul 2019 01:44
 Operator : SY/VA
 Sample : K3990-06
 Misc : 6.09/5.0ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4-B

Quant Time: Jul 27 05:36:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	270583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	447653	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	383007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	150807	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	179377	57.73	ug/l	0.00
Spiked Amount			Recovery	=	115.46%	
35) Dibromofluoromethane	7.88	113	136823	54.48	ug/l	0.00
Spiked Amount			Recovery	=	108.96%	
50) Toluene-d8	10.32	98	560015	54.46	ug/l	0.00
Spiked Amount			Recovery	=	108.92%	
62) 4-Bromofluorobenzene	12.61	95	179987	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	

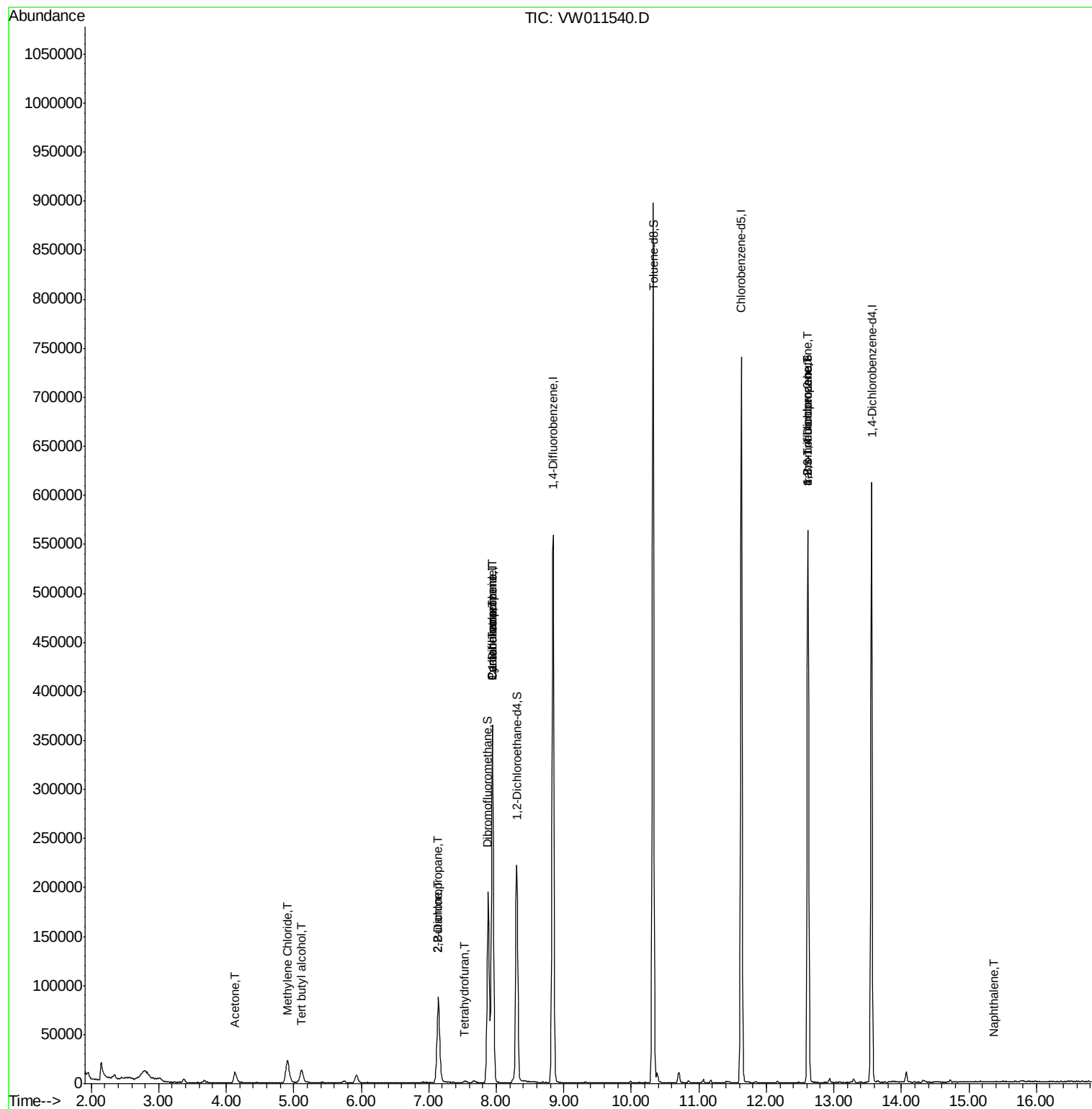
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	13346	43.473	ug/l #	74
16) Acetone	4.13	43	22410	22.674	ug/l	98
20) Methylene Chloride	4.90	84	16864	4.947	ug/l	97
25) 2-Butanone	7.14	43	5564	4.302	ug/l #	80
26) 2,2-Dichloropropane	7.14	77	5958	1.601	ug/l #	54
29) Tetrahydrofuran	7.53	42	1695	2.293	ug/l #	91
31) Cyclohexane	7.95	56	6818	1.174	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	23728	5.098	ug/l #	51
38) Carbon Tetrachloride	7.95	117	26862	6.741	ug/l #	17
76) 1,2,3-Trichloropropane	12.61	75	96053	60.194	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	96053	138.727	ug/l #	6
95) Naphthalene	15.37	128	473	2.142	ug/l #	81

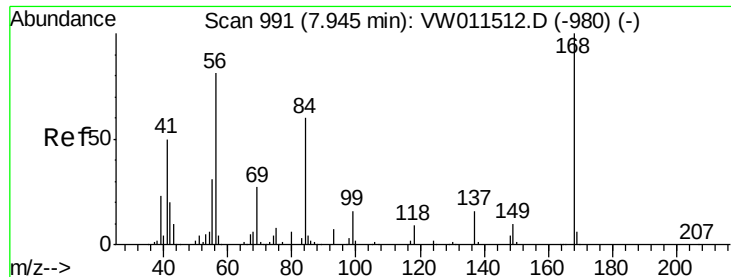
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW011540.D

Acq: 27 Jul 2019 01:44

Instrument :

MSVOA_W

ClientSampled :

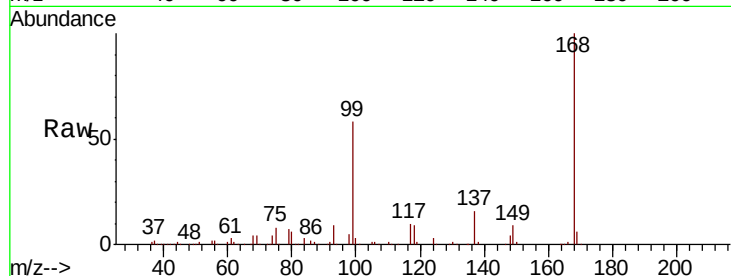
TP-4-B

Tot Ion:168 Resp: 270583

Ion Ratio Lower Upper

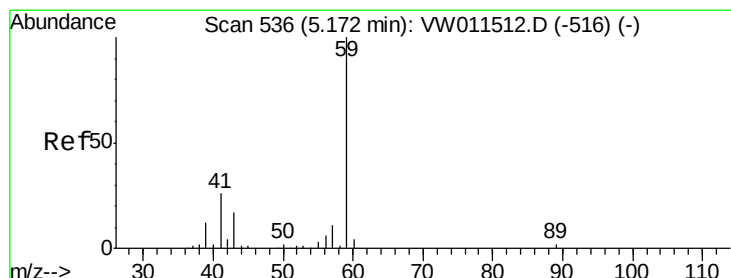
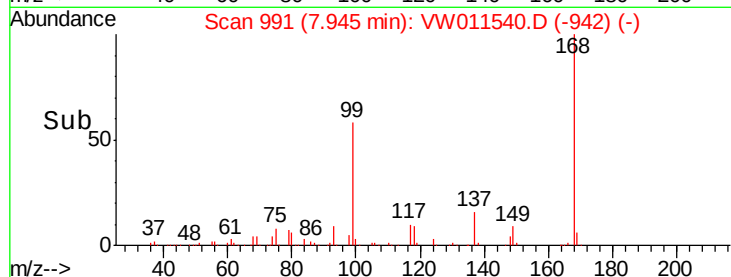
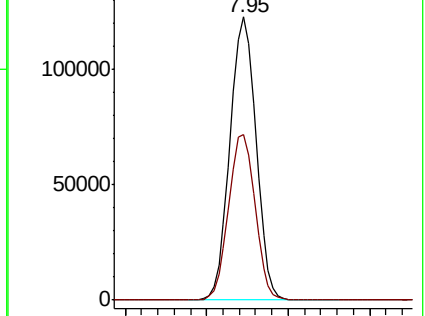
168 100

99 58.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 43.473 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011540.D

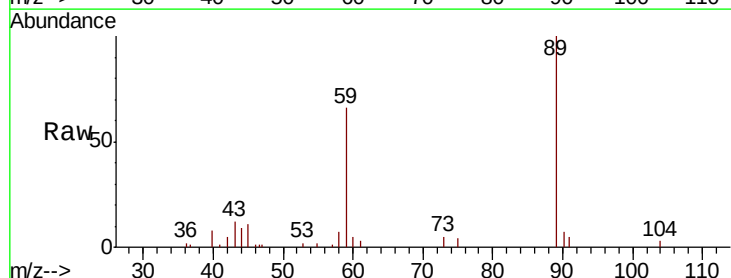
Acq: 27 Jul 2019 01:44

Tgt Ion: 59 Resp: 13346

Ion Ratio Lower Upper

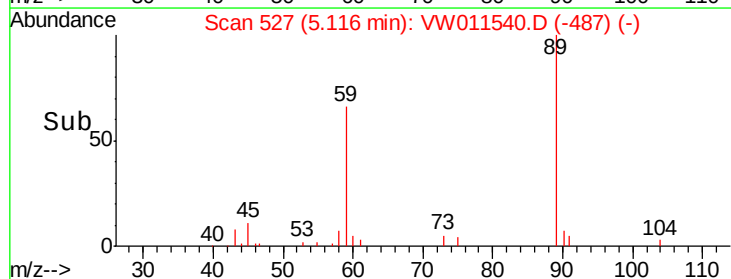
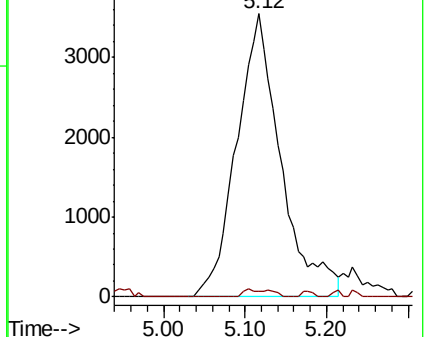
59 100

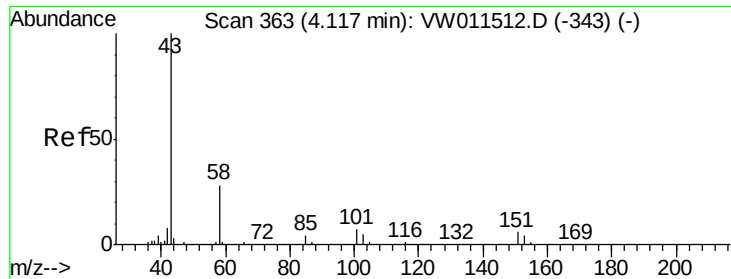
57 0.9 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

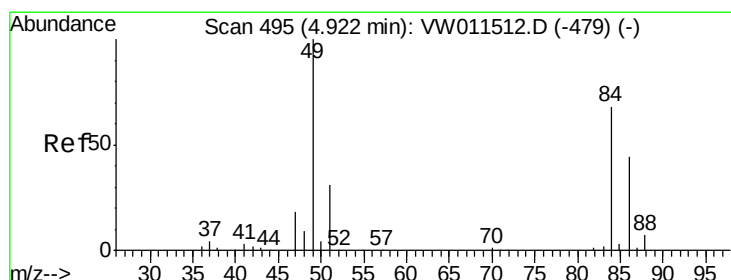
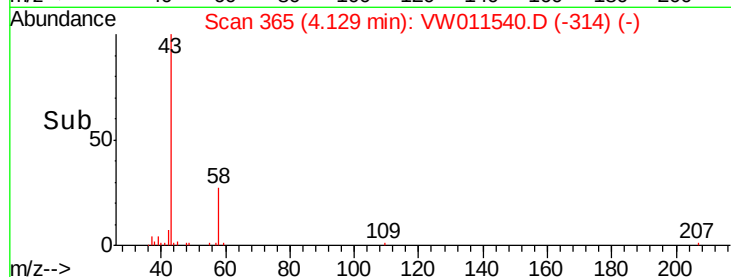
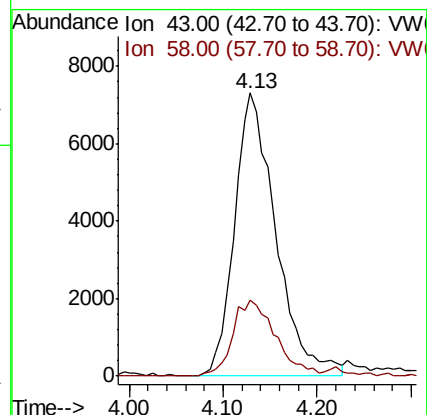
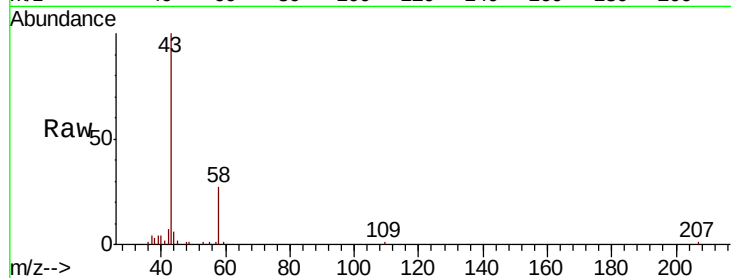




#16
Acetone
Concen: 22.674 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW011540.D
Acq: 27 Jul 2019 01:44

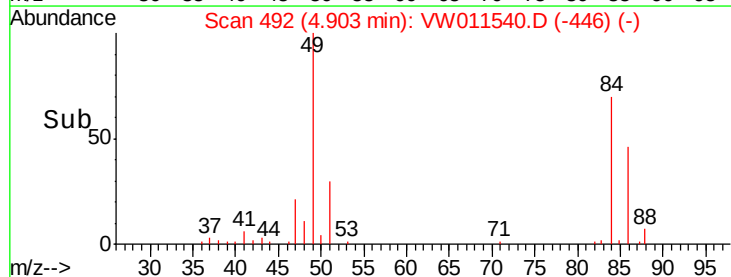
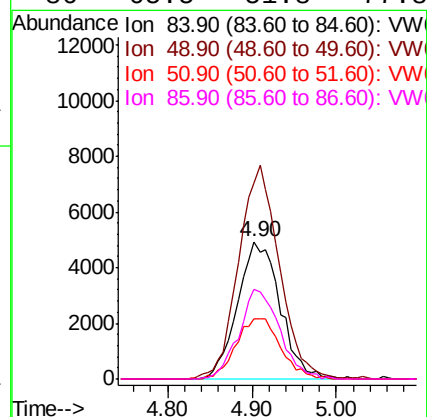
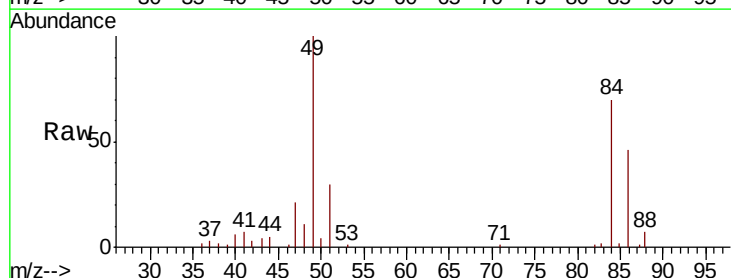
Instrument :
MSVOA_W
ClientSampleId :
TP-4-B

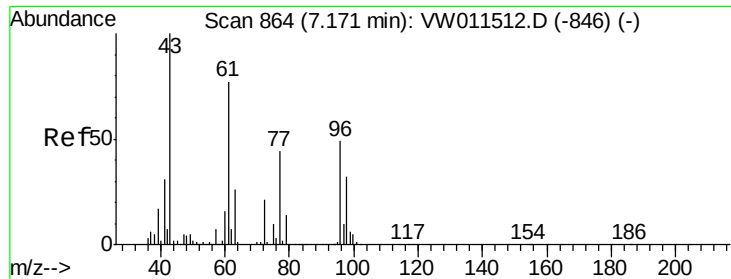
Tot Ion: 43 Resp: 22410
Ion Ratio Lower Upper
43 100
58 26.7 22.3 33.5



#20
Methylene Chloride
Concen: 4.947 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW011540.D
Acq: 27 Jul 2019 01:44

Tgt Ion: 84 Resp: 16864
Ion Ratio Lower Upper
84 100
49 143.0 117.8 176.6
51 43.4 37.0 55.4
86 65.5 51.8 77.8





#25

2-Butanone

Concen: 4.302 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW011540.D

Acq: 27 Jul 2019 01:44

Instrument :

MSVOA_W

ClientSampled :

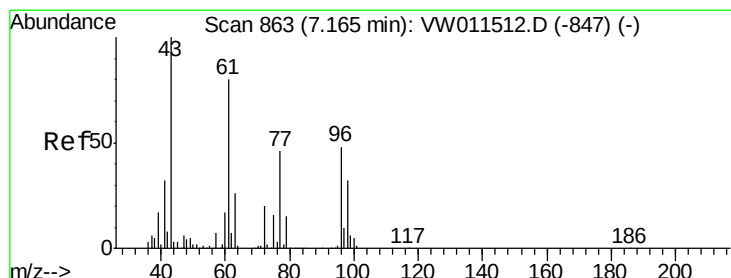
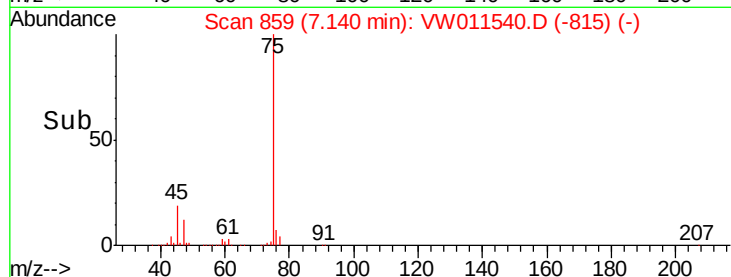
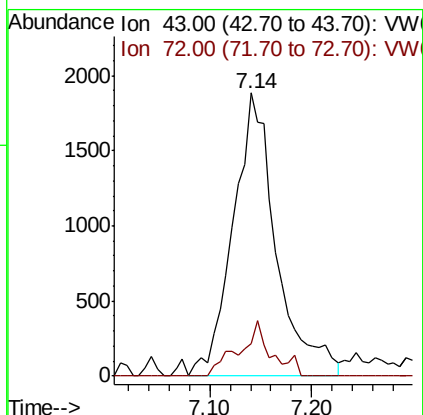
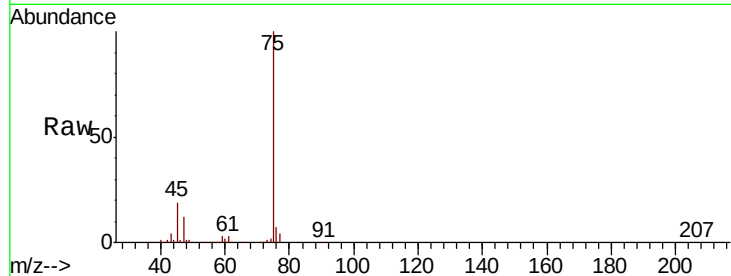
TP-4-B

Tot Ion: 43 Resp: 5564

Ion Ratio Lower Upper

43 100

72 11.5 16.6 24.8#



#26

2,2-Dichloropropane

Concen: 1.601 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011540.D

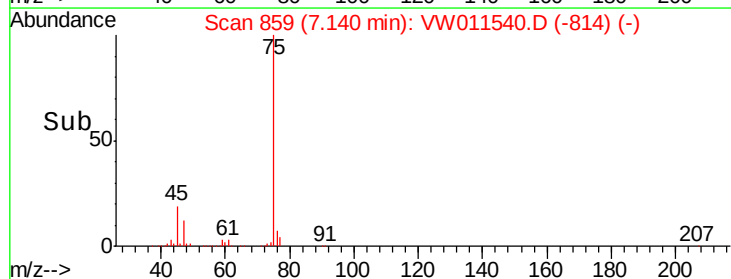
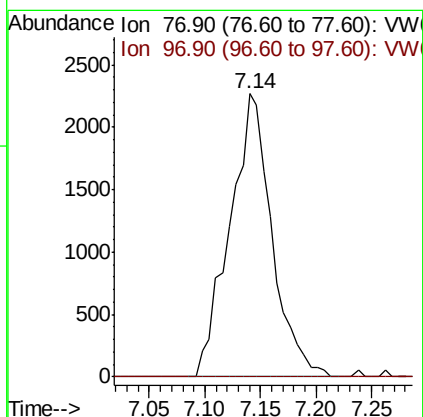
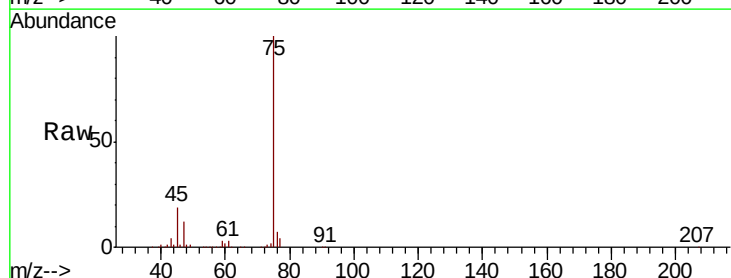
Acq: 27 Jul 2019 01:44

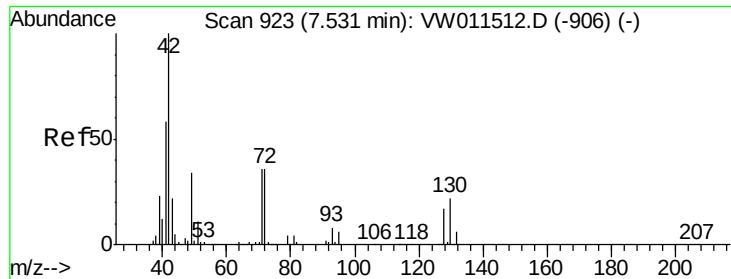
Tgt Ion: 77 Resp: 5958

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#

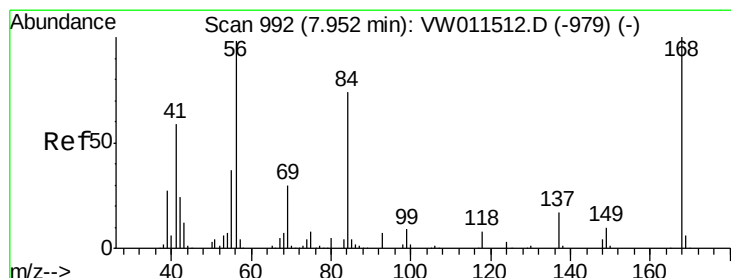
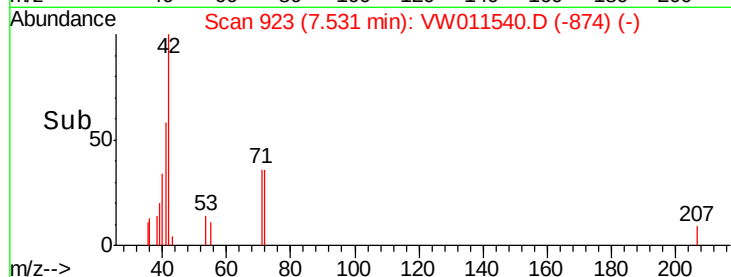
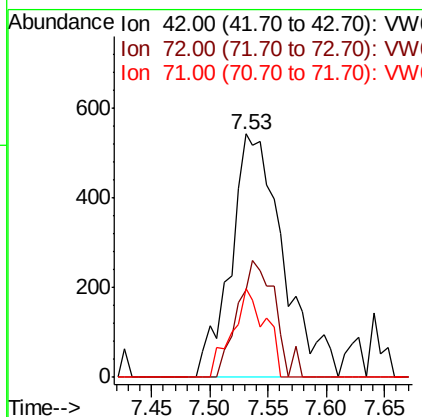
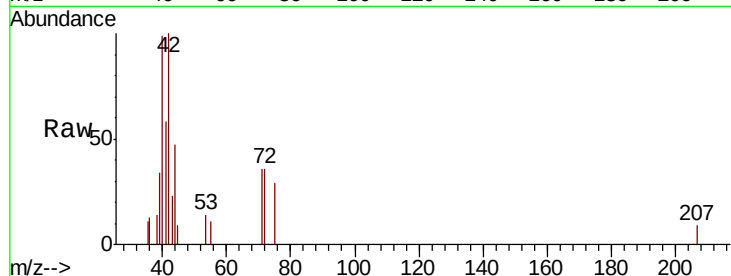




#29
Tetrahydrofuran
Concen: 2.293 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011540.D
Acq: 27 Jul 2019 01:44

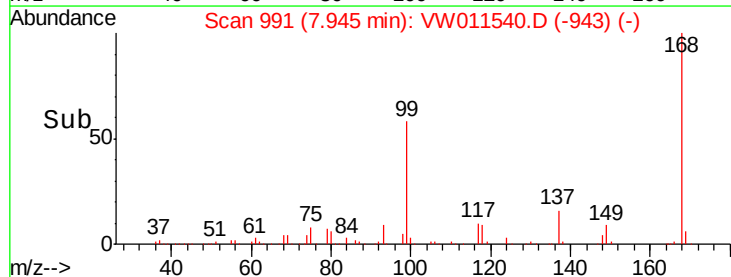
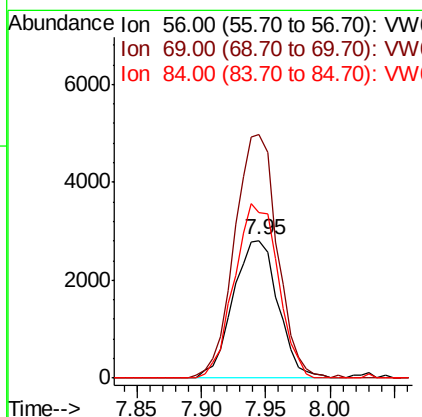
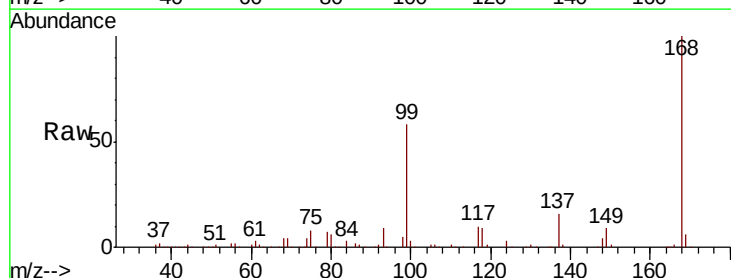
Instrument :
MSVOA_W
ClientSampled :
TP-4-B

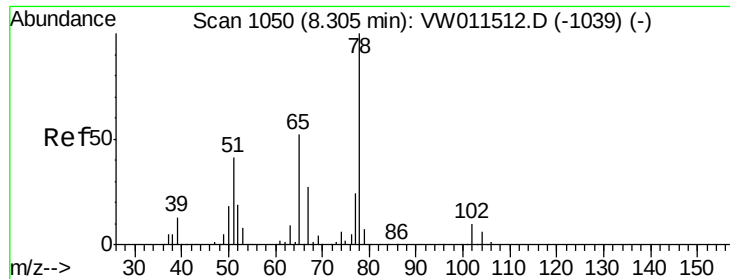
Tot Ion: 42 Resp: 1695
Ion Ratio Lower Upper
42 100
72 34.2 27.1 40.7
71 23.2 26.2 39.4#



#31
Cyclohexane
Concen: 1.174 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011540.D
Acq: 27 Jul 2019 01:44

Tgt Ion: 56 Resp: 6818
Ion Ratio Lower Upper
56 100
69 176.6 24.3 36.5#
84 119.7 60.4 90.6#

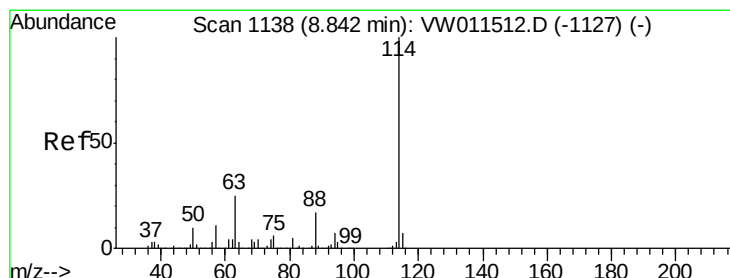
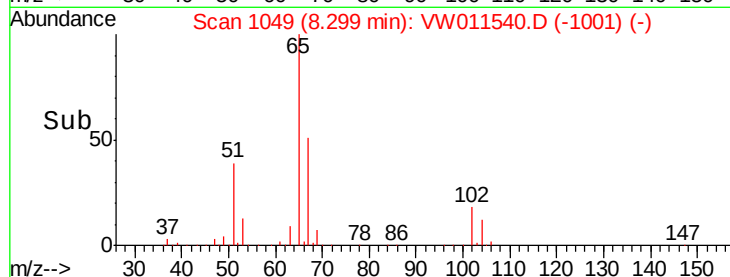
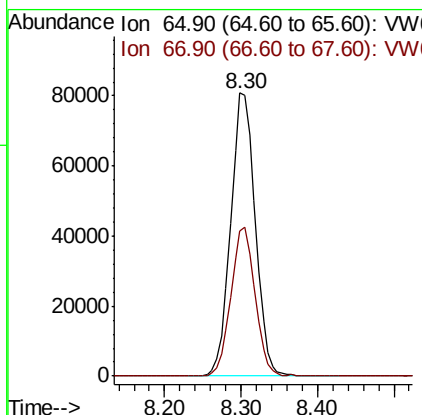
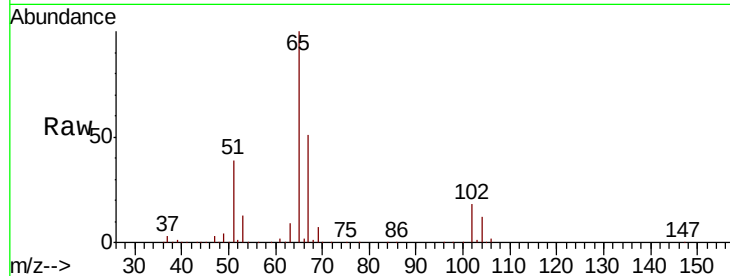




#33
 1,2-Dichloroethane-d4
 Concen: 57.732 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011540.D
 Acq: 27 Jul 2019 01:44

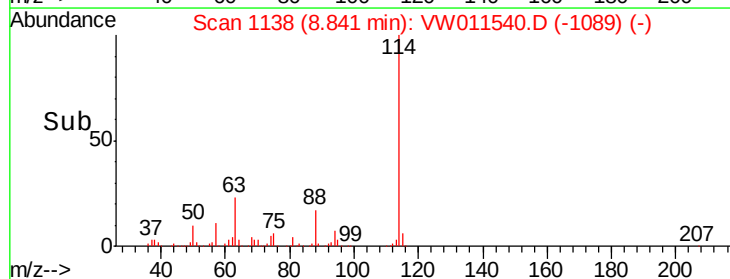
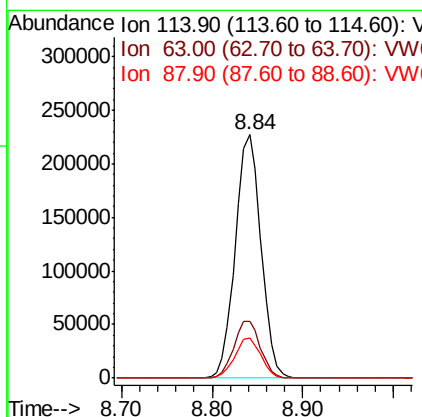
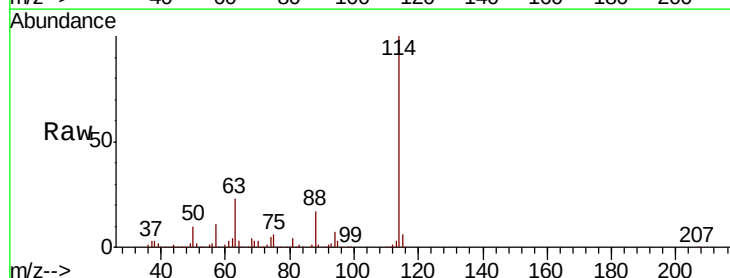
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4-B

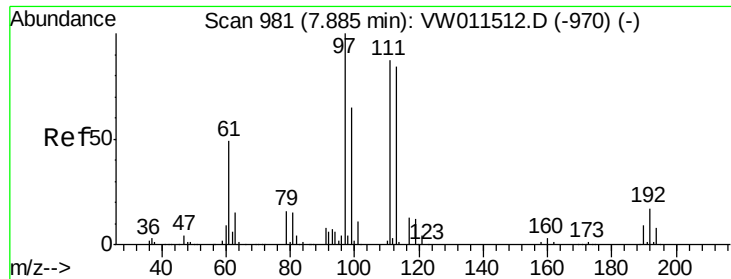
Tot Ion: 65 Resp: 179377
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011540.D
 Acq: 27 Jul 2019 01:44

Tgt Ion: 114 Resp: 447653
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 49.2
 88 16.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.480 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011540.D

Acq: 27 Jul 2019 01:44

Instrument :

MSVOA_W

ClientSampleId :

TP-4-B

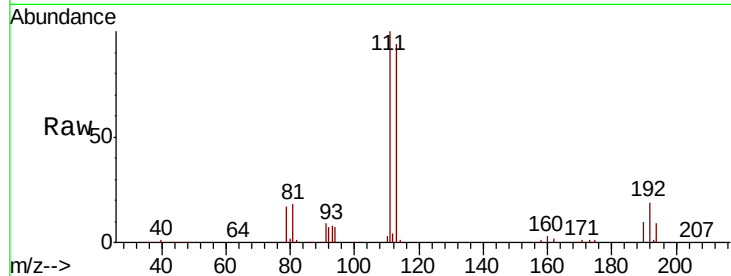
Tot Ion:113 Resp: 136823

Ion Ratio Lower Upper

113 100

111 103.1 82.7 124.1

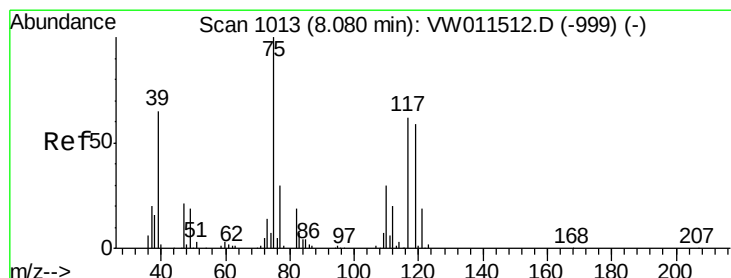
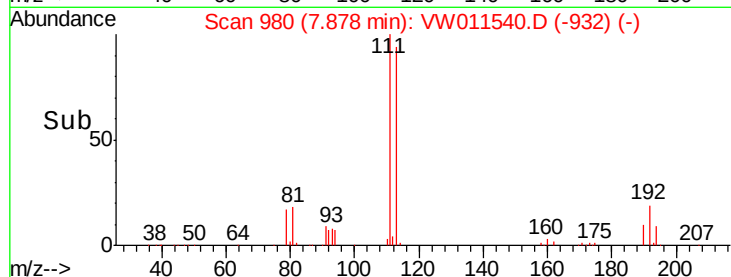
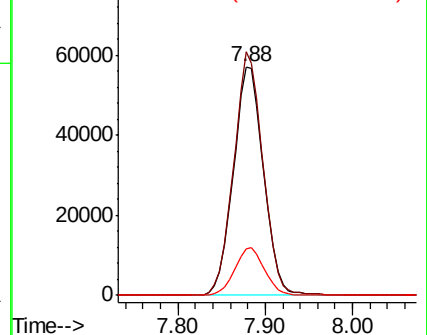
192 20.5 16.1 24.1



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: 5.098 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011540.D

Acq: 27 Jul 2019 01:44

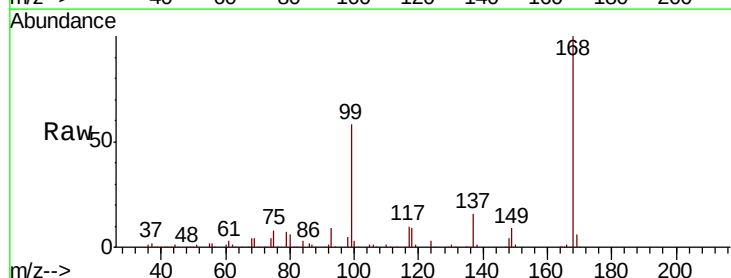
Tgt Ion: 75 Resp: 23728

Ion Ratio Lower Upper

75 100

110 8.0 15.6 46.8#

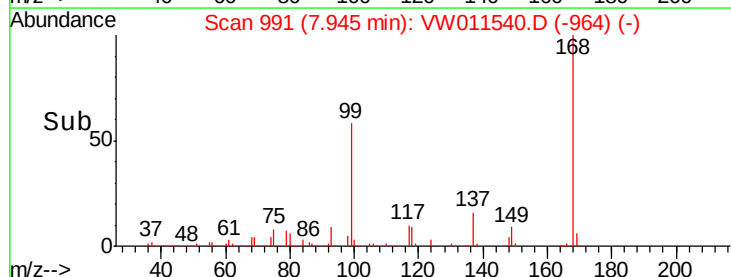
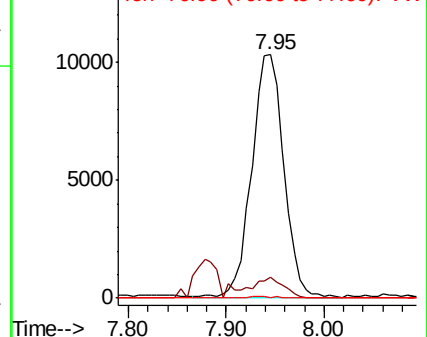
77 0.4 24.3 36.5#

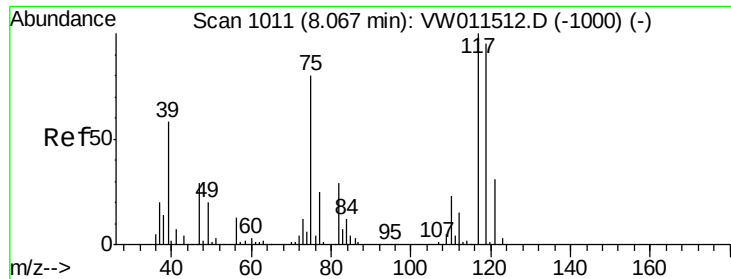


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.741 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011540.D

Acq: 27 Jul 2019 01:44

Instrument :

MSVOA_W

ClientSampleId :

TP-4-B

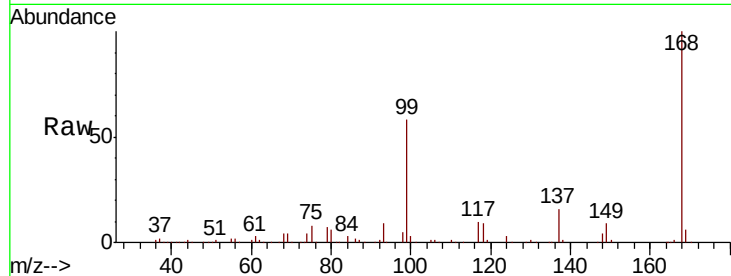
Tot Ion:117 Resp: 26862

Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.6#

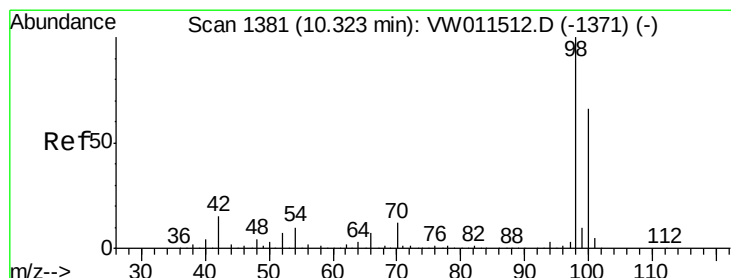
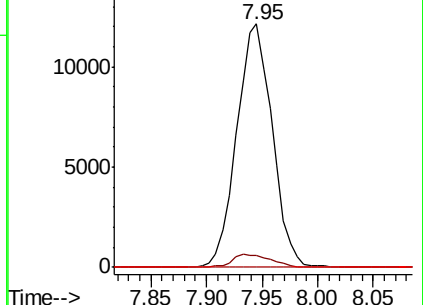
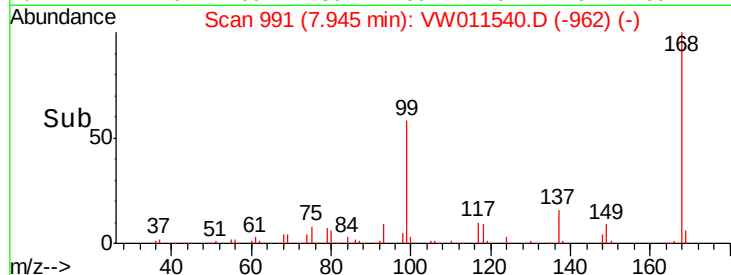
121 0.0 24.7 37.1#



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: 54.463 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011540.D

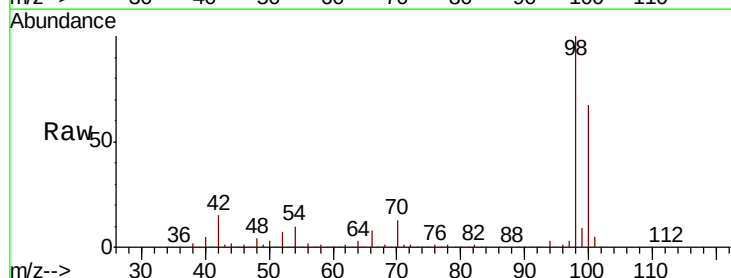
Acq: 27 Jul 2019 01:44

Tgt Ion: 98 Resp: 560015

Ion Ratio Lower Upper

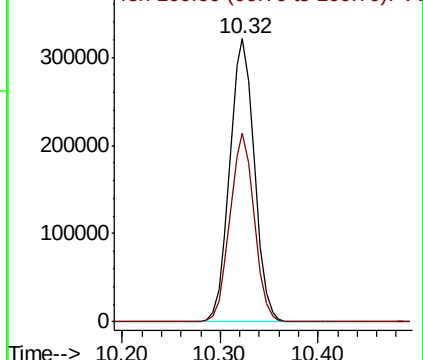
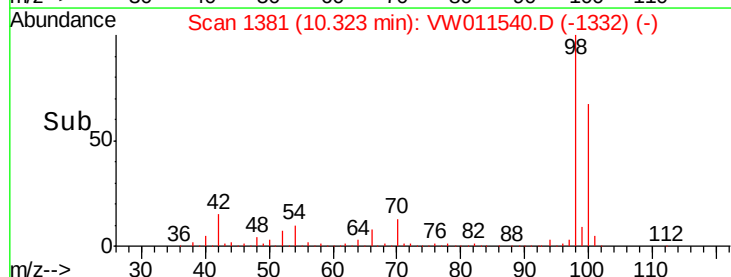
98 100

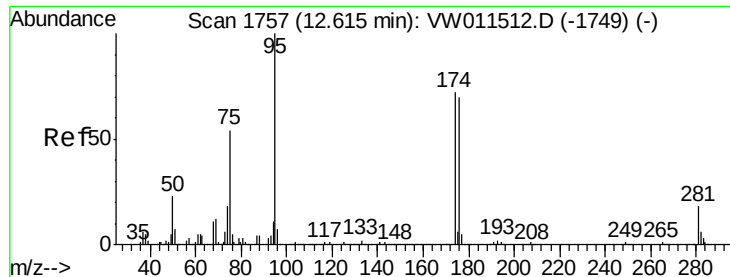
100 65.8 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 49.098 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011540.D

Acq: 27 Jul 2019 01:44

Instrument :

MSVOA_W

ClientSampled :

TP-4-B

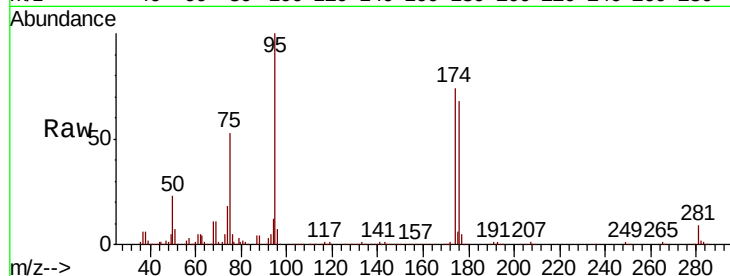
Tot Ion: 95 Resp: 179987

Ion Ratio Lower Upper

95 100

174 76.7 0.0 150.2

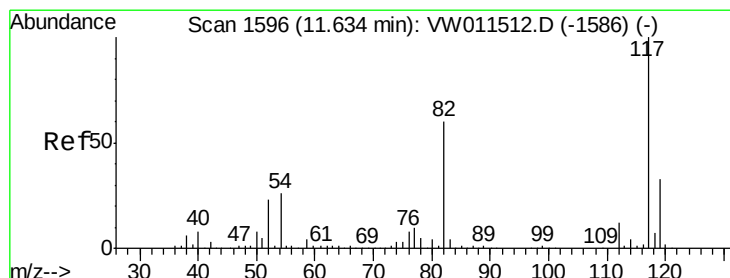
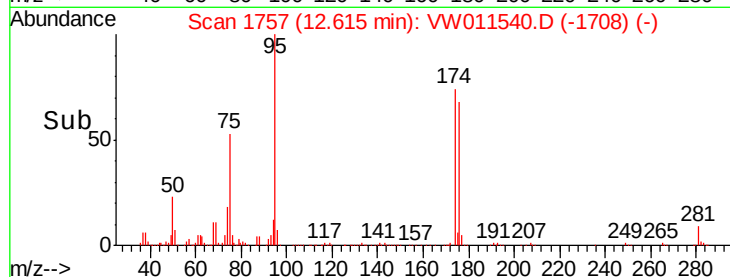
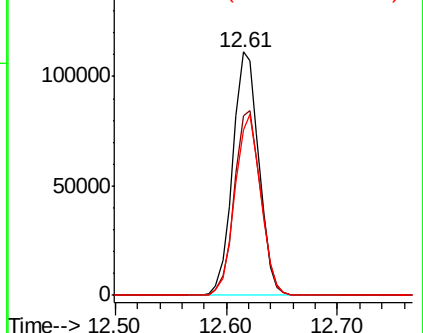
176 73.8 0.0 144.4



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: VW011540.D

Acq: 27 Jul 2019 01:44

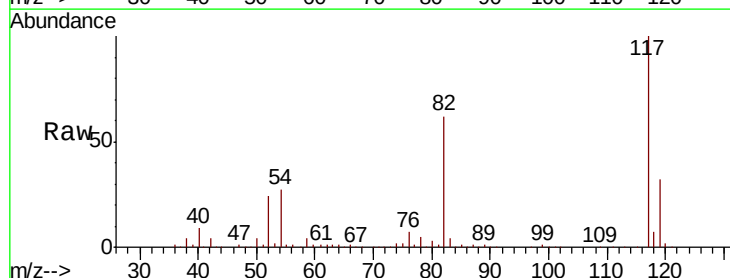
Tgt Ion: 117 Resp: 383007

Ion Ratio Lower Upper

117 100

82 61.8 47.9 71.9

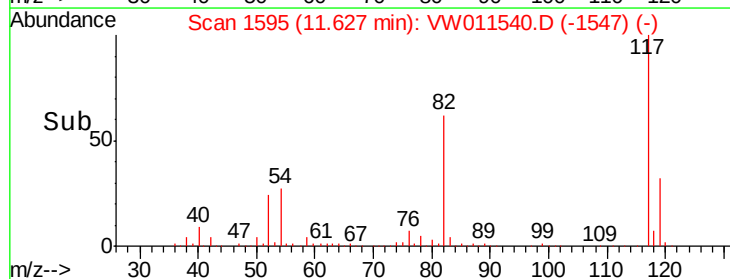
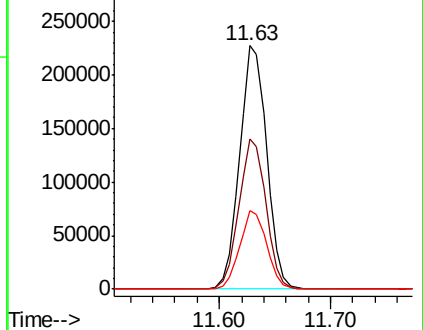
119 32.0 26.2 39.2

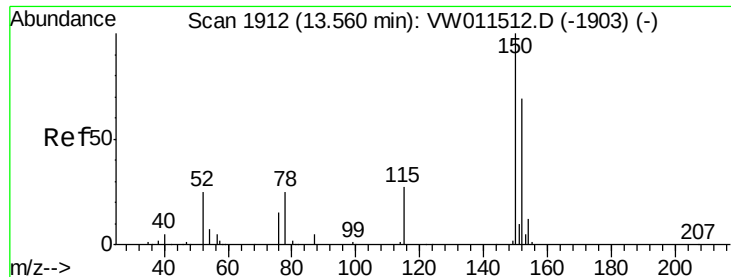


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW011540.D

Acq: 27 Jul 2019 01:44

Instrument :

MSVOA_W

ClientSampled :

TP-4-B

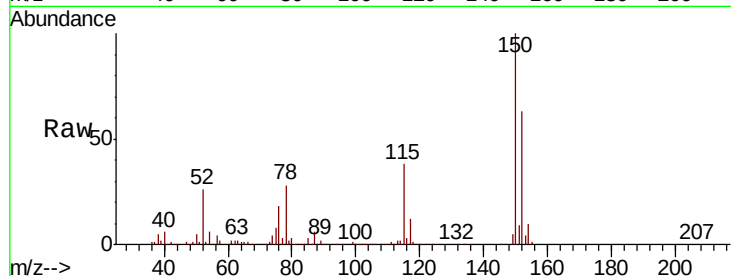
Tot Ion:152 Resp: 150807

Ion Ratio Lower Upper

152 100

115 60.7 30.5 91.5

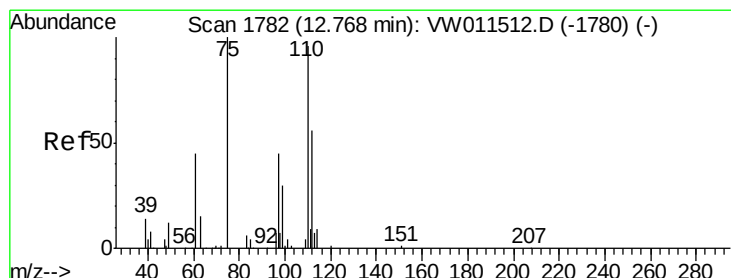
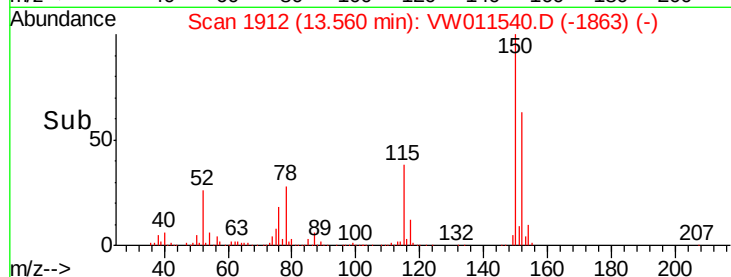
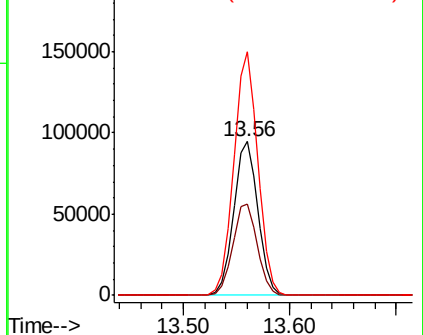
150 157.3 0.0 352.6



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: 60.194 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011540.D

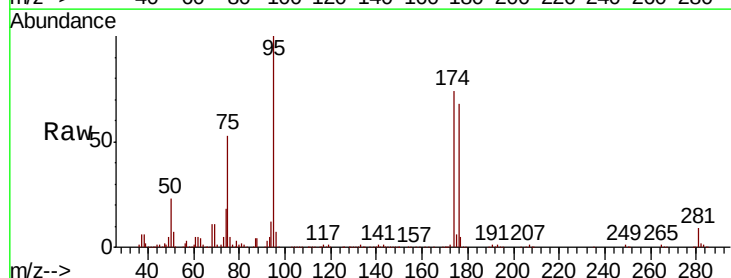
Acq: 27 Jul 2019 01:44

Tgt Ion: 75 Resp: 96053

Ion Ratio Lower Upper

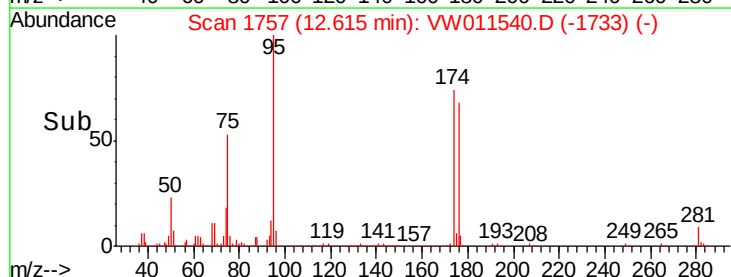
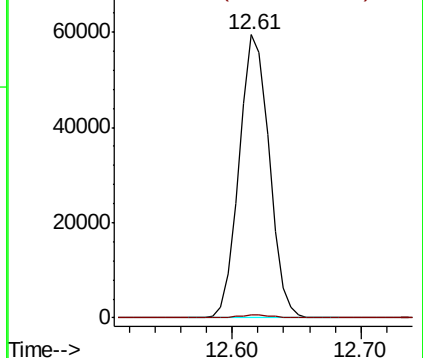
75 100

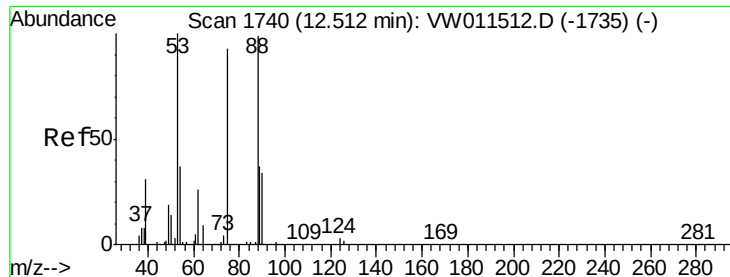
77 1.3 0.0 0.0#



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: 138.727 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011540.D

Acq: 27 Jul 2019 01:44

Instrument :

MSVOA_W

ClientSampleId :

TP-4-B

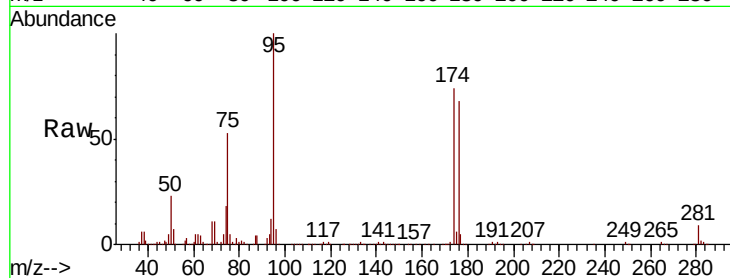
Tot Ion: 75 Resp: 96053

Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

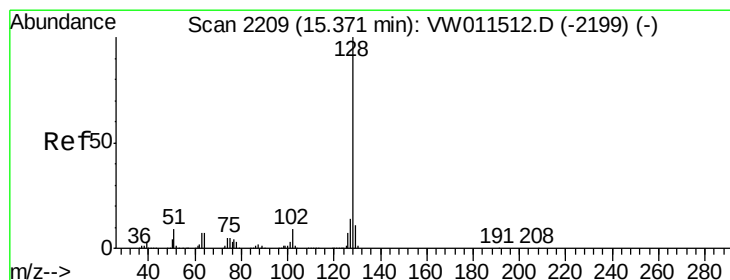
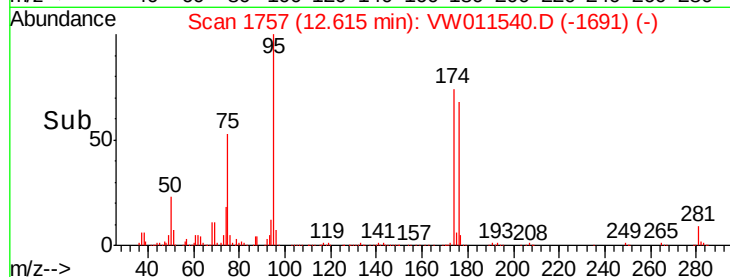
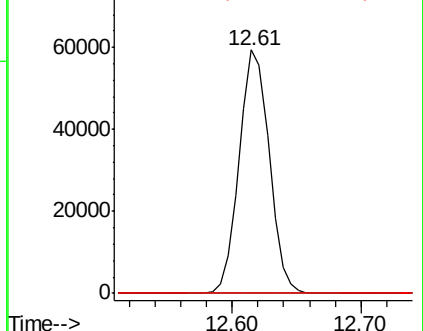
89 0.0 35.3 52.9#



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: 2.142 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011540.D

Acq: 27 Jul 2019 01:44

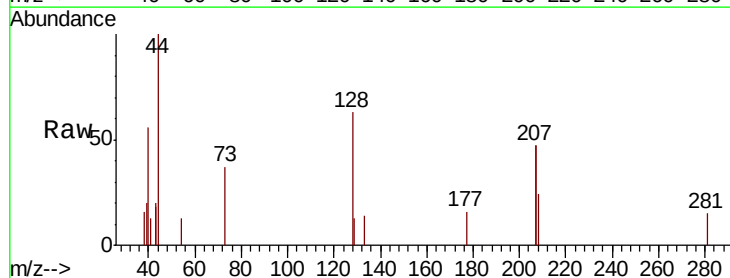
Tgt Ion: 128 Resp: 473

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 9.9 8.6 13.0



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

