

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011365.D
 Acq On : 19 Jul 2019 06:33
 Operator : SY/VA
 Sample : K3835-26
 Misc : 6.08G/5ML/MSVOA W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-9(5-7)

Quant Time: Jul 19 08:51:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	200511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	346997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	321463	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	133329	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	145763	57.85	ug/l	0.00
Spiked Amount			Recovery	=	115.70%	
35) Dibromofluoromethane	7.88	113	111220	53.77	ug/l	0.00
Spiked Amount			Recovery	=	107.54%	
50) Toluene-d8	10.32	98	455488	54.48	ug/l	0.00
Spiked Amount			Recovery	=	108.96%	
62) 4-Bromofluorobenzene	12.62	95	152658	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	

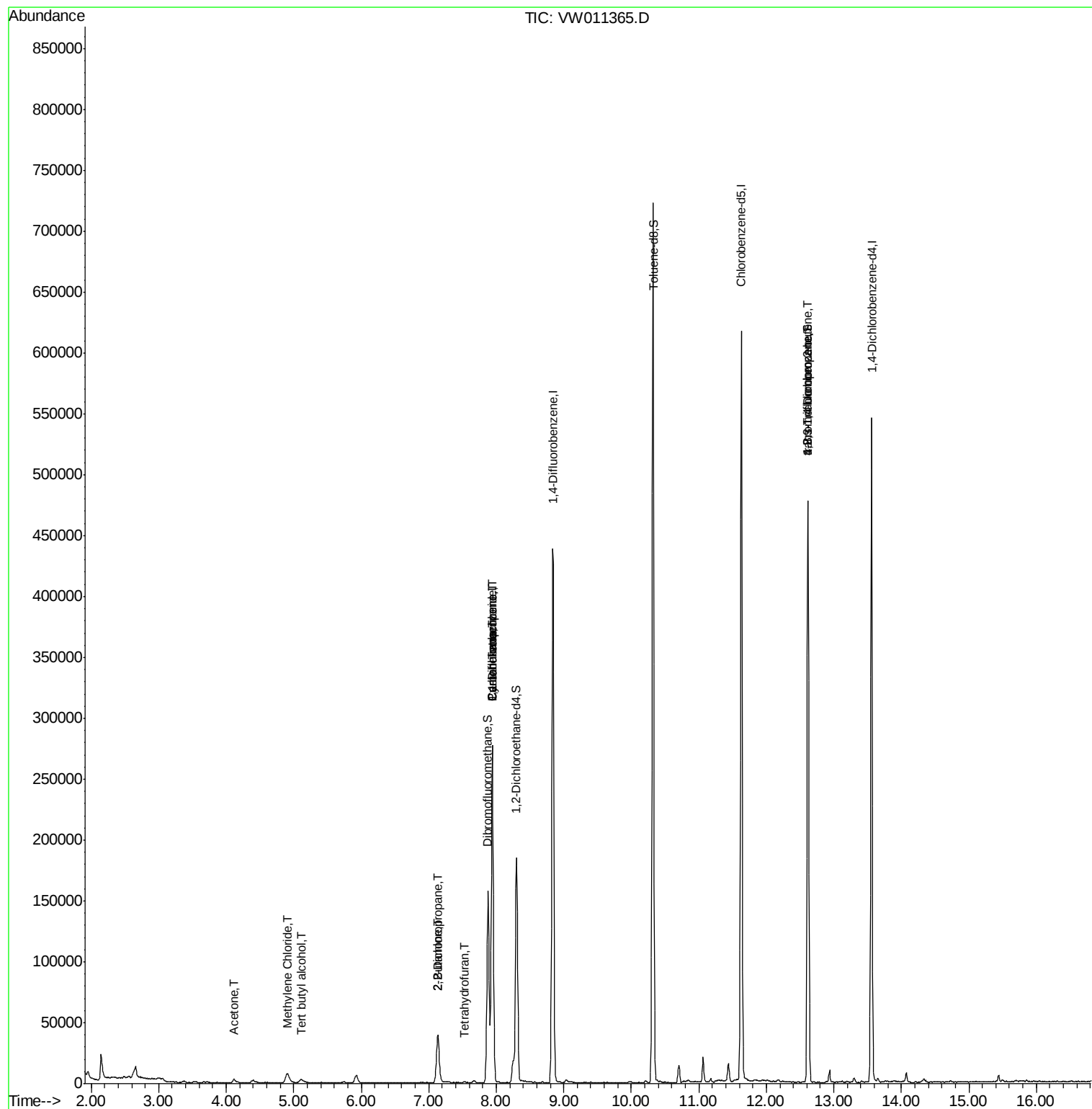
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	3162	16.951	ug/l #	74
16) Acetone	4.12	43	6160	10.161	ug/l	94
18) Methyl Acetate	4.68	43	349	Below Cal	#	57
20) Methylene Chloride	4.91	84	5875	2.457	ug/l	89
25) 2-Butanone	7.13	43	2985	3.137	ug/l #	76
26) 2,2-Dichloropropane	7.13	77	2789	1.170	ug/l #	53
29) Tetrahydrofuran	7.53	42	636	1.019	ug/l #	54
31) Cyclohexane	7.94	56	4999	1.024	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	17767	4.808	ug/l #	50
38) Carbon Tetrachloride	7.94	117	20718	6.614	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	81483	52.884	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	81483	119.614	ug/l #	6

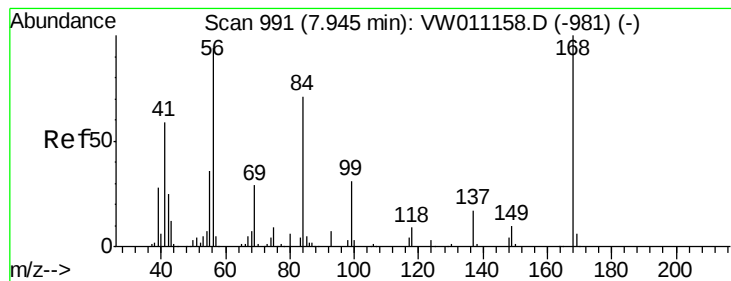
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011365.D

Acq: 19 Jul 2019 06:33

Instrument :

MSVOA_W

ClientSampleId :

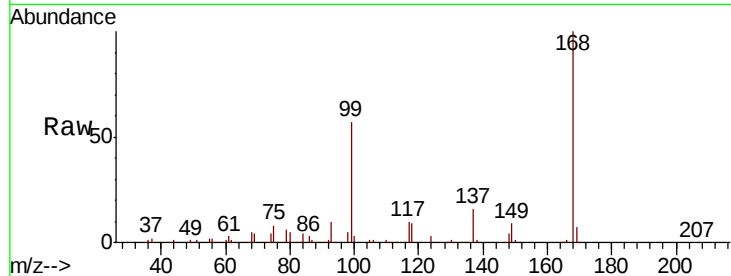
SB-9(5-7)

Tot Ion:168 Resp: 200511

Ion Ratio Lower Upper

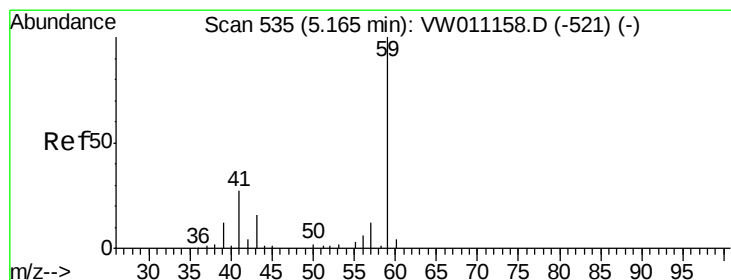
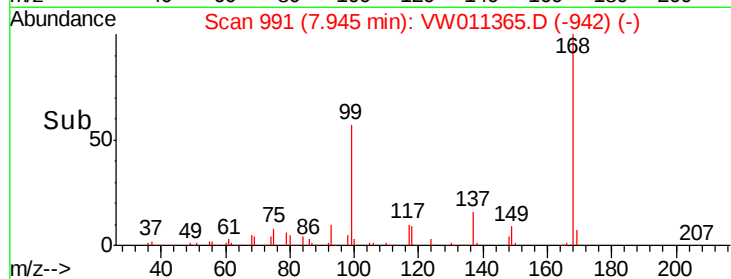
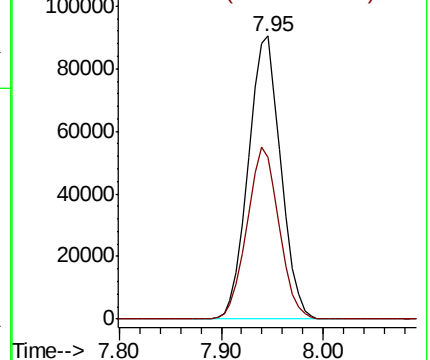
168 100

99 57.2 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 16.951 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.05 min

Lab File: VW011365.D

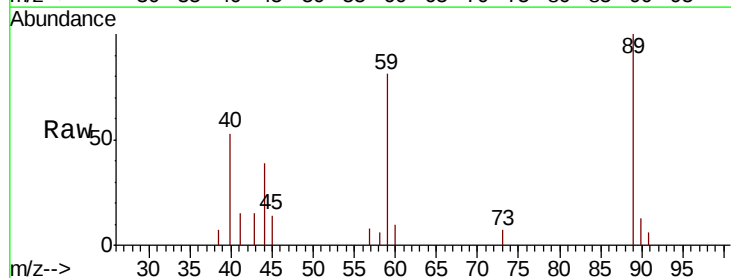
Acq: 19 Jul 2019 06:33

Tgt Ion: 59 Resp: 3162

Ion Ratio Lower Upper

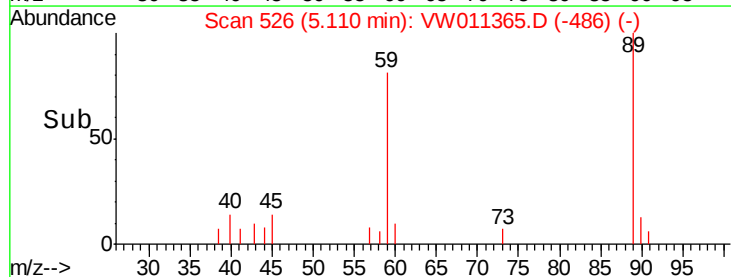
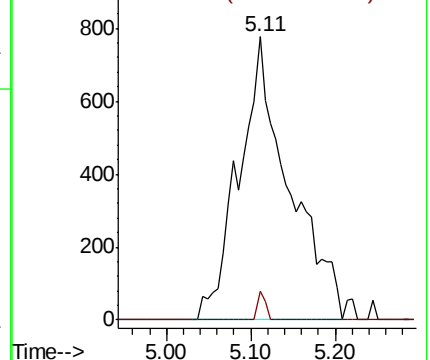
59 100

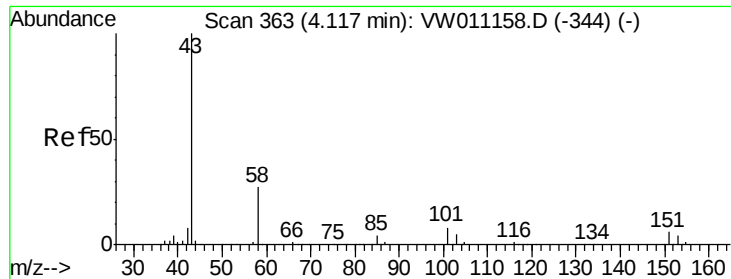
57 1.5 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 10.161 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011365.D

Acq: 19 Jul 2019 06:33

Instrument :

MSVOA_W

ClientSampleId :

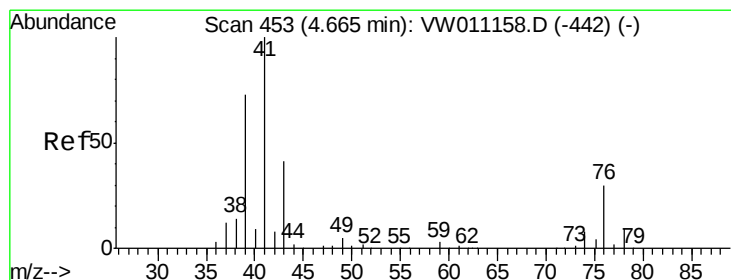
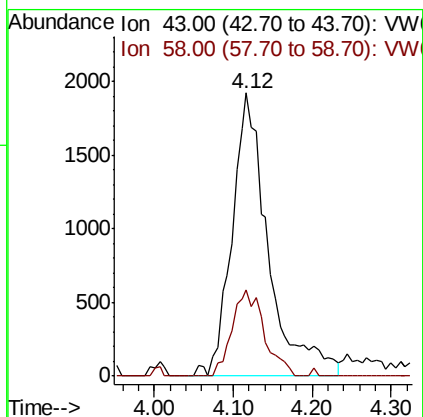
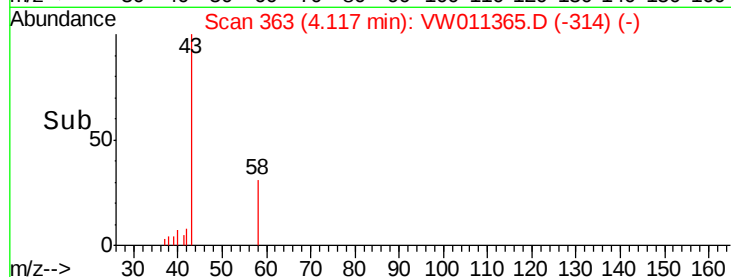
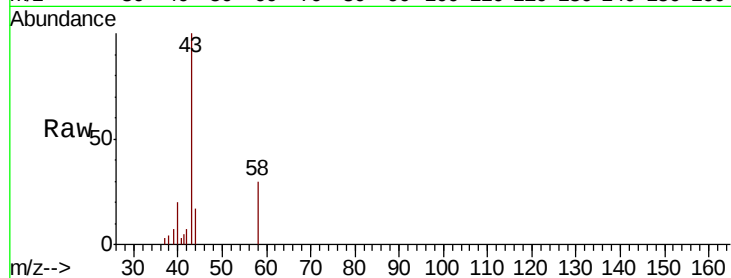
SB-9(5-7)

Tot Ion: 43 Resp: 6160

Ion Ratio Lower Upper

43 100

58 30.3 21.8 32.6



#18

Methyl Acetate

Concen: Below Cal

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW011365.D

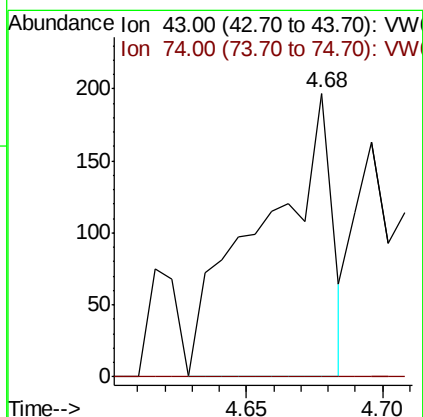
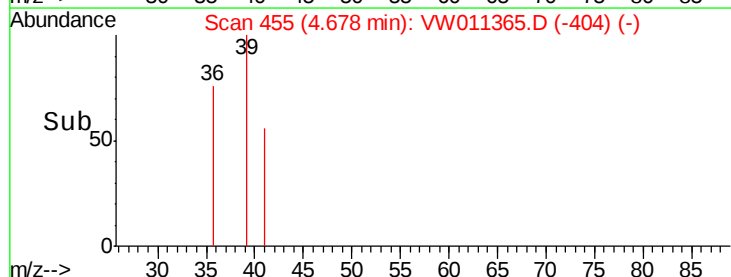
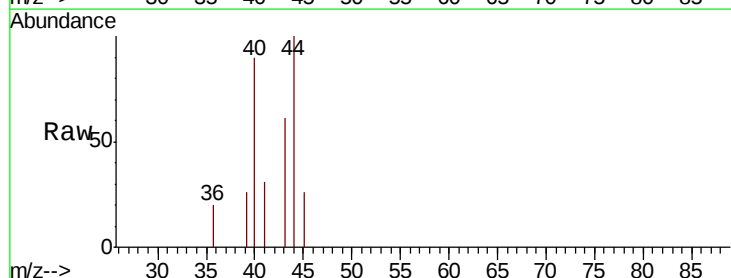
Acq: 19 Jul 2019 06:33

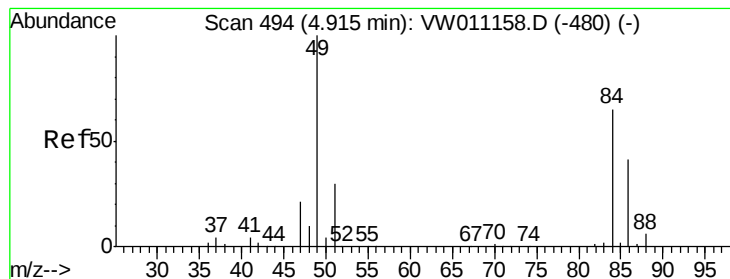
Tgt Ion: 43 Resp: 349

Ion Ratio Lower Upper

43 100

74 0.0 15.7 23.5#





#20

Methvlene Chloride

Concen: 2.457 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011365.D

Acq: 19 Jul 2019 06:33

Instrument :

MSVOA_W

ClientSampleId :

SB-9(5-7)

Tot Ion: 84 Resp: 5875

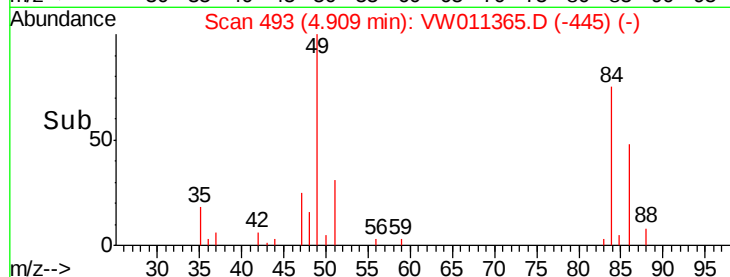
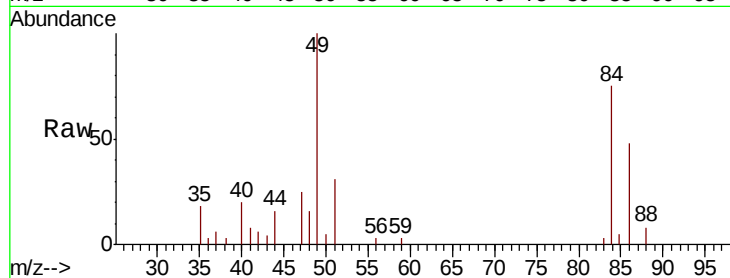
Ion Ratio Lower Upper

84 100

49 133.6 123.8 185.6

51 41.8 37.4 56.2

86 64.3 51.1 76.7

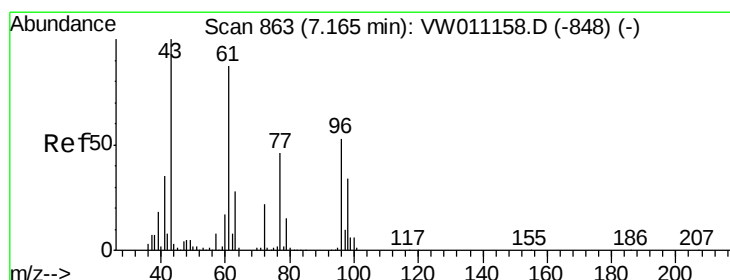
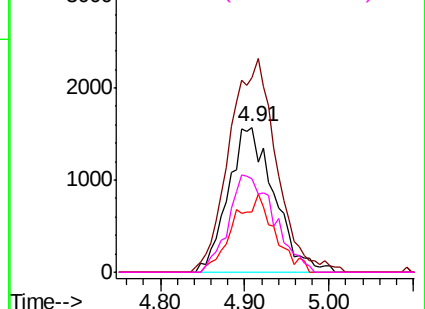


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 3.137 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW011365.D

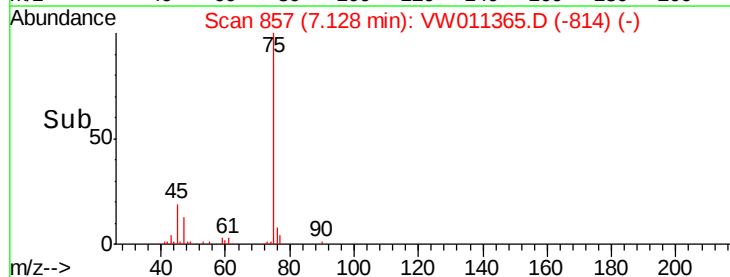
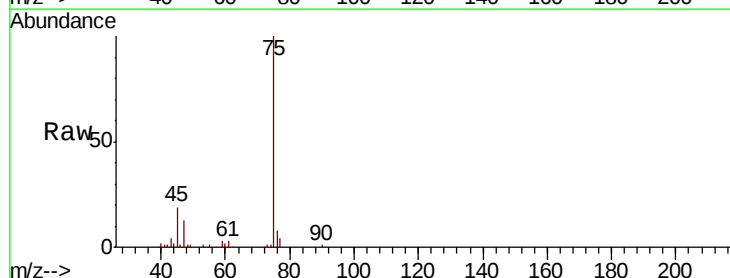
Acq: 19 Jul 2019 06:33

Tgt Ion: 43 Resp: 2985

Ion Ratio Lower Upper

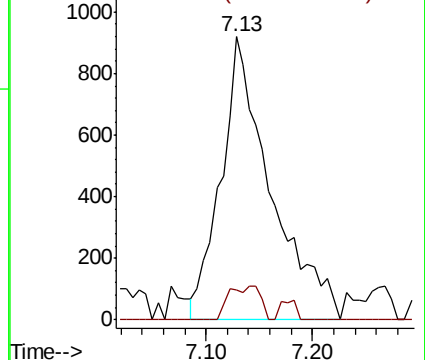
43 100

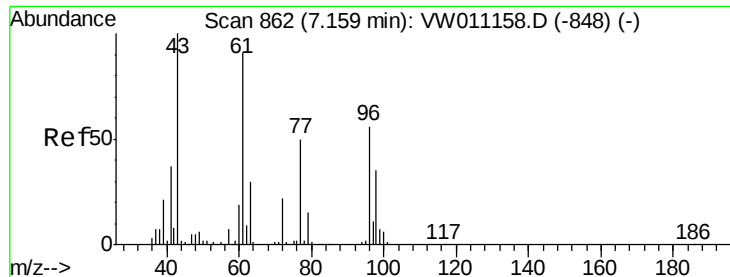
72 10.3 17.6 26.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 1.170 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.03 min

Lab File: VW011365.D

Acq: 19 Jul 2019 06:33

Instrument :

MSVOA_W

ClientSampleId :

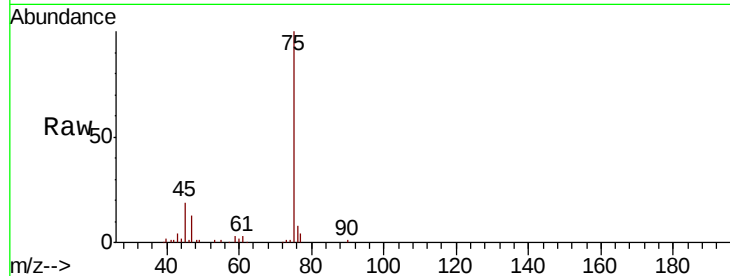
SB-9(5-7)

Tot Ion: 77 Resp: 2789

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.13

1000

800

600

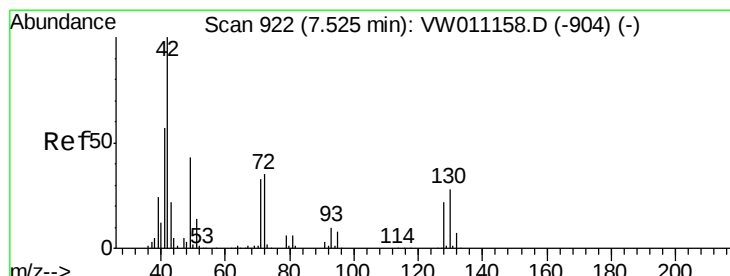
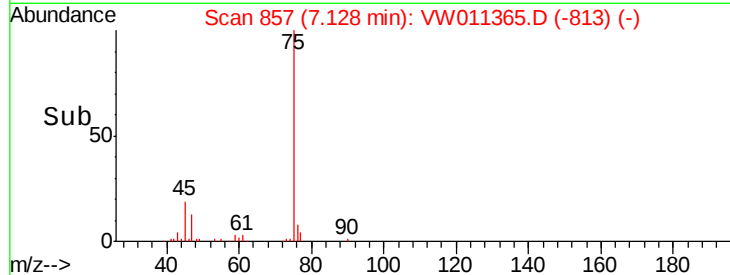
400

200

0

7.05 7.10 7.15 7.20

Time-->



#29

Tetrahydrofuran

Concen: 1.019 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW011365.D

Acq: 19 Jul 2019 06:33

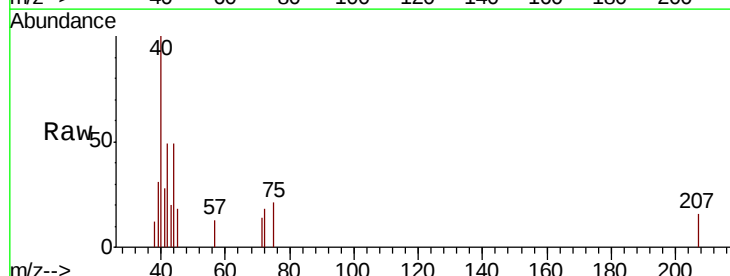
Tgt Ion: 42 Resp: 636

Ion Ratio Lower Upper

42 100

72 14.0 27.4 41.2#

71 0.0 25.9 38.9#



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

250

200

150

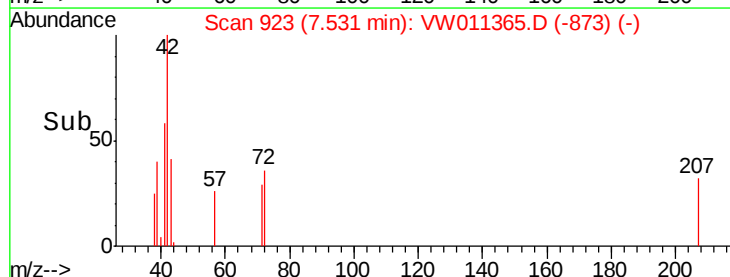
100

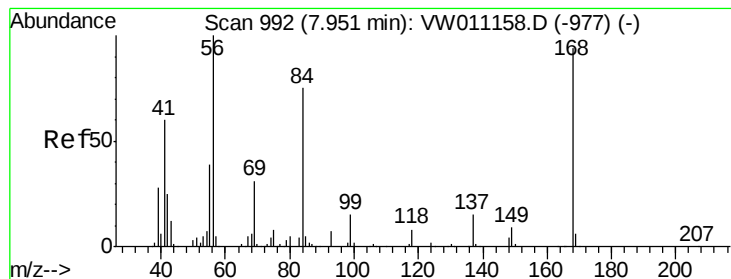
50

0

7.45 7.50 7.55 7.60

Time-->





#31

Cyclohexane

Concen: 1.024 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011365.D

Acq: 19 Jul 2019 06:33

Instrument :

MSVOA_W

ClientSampled :

SB-9(5-7)

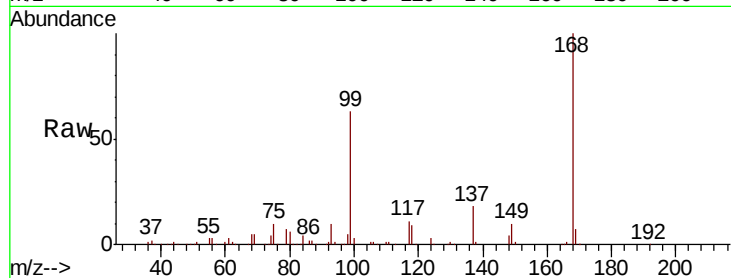
Tot Ion: 56 Resp: 4999

Ion Ratio Lower Upper

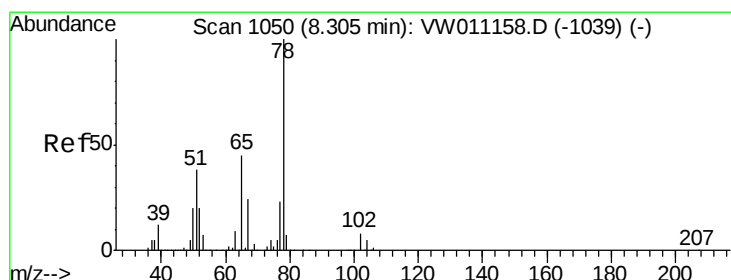
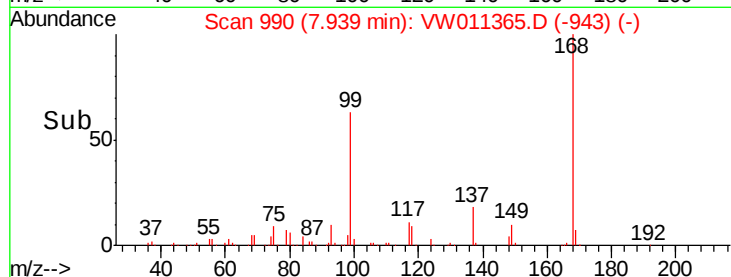
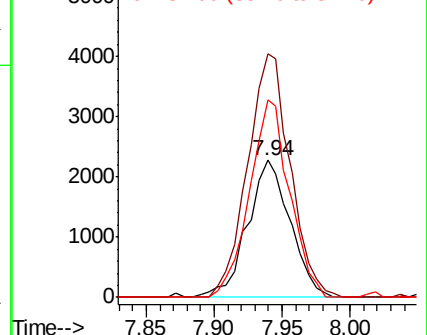
56 100

69 177.7 24.6 36.8#

84 144.5 60.1 90.1#



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: 57.854 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011365.D

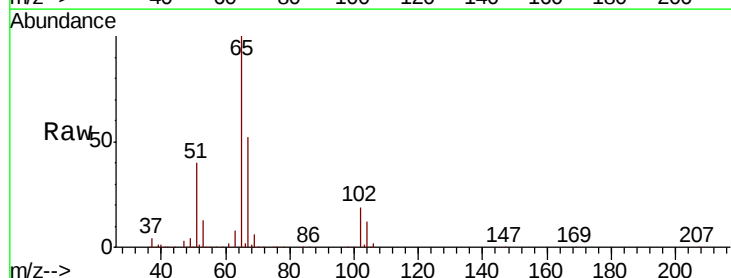
Acq: 19 Jul 2019 06:33

Tgt Ion: 65 Resp: 145763

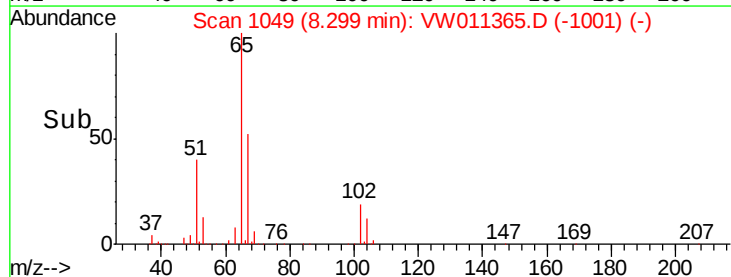
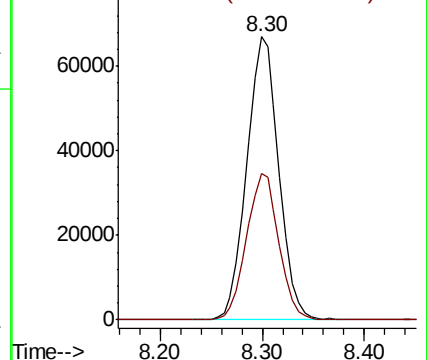
Ion Ratio Lower Upper

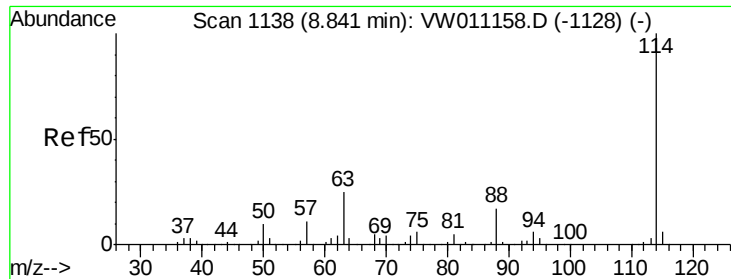
65 100

67 52.3 0.0 104.4



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

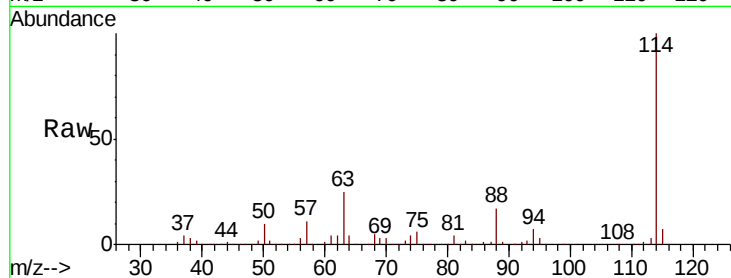




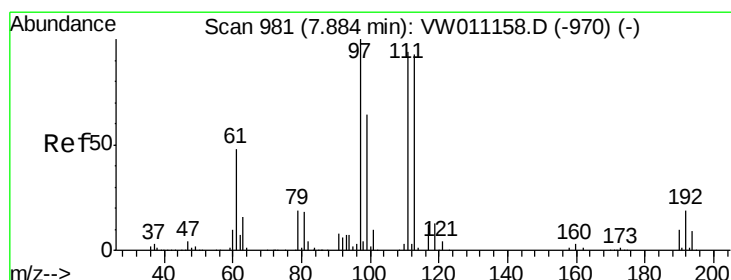
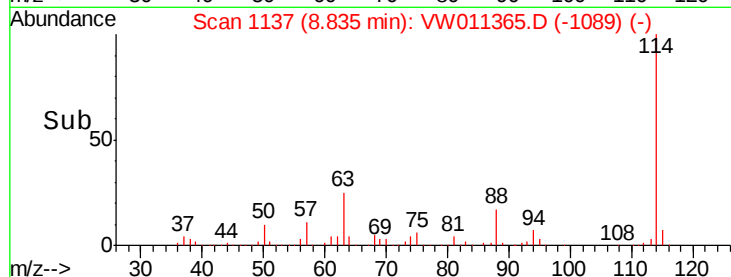
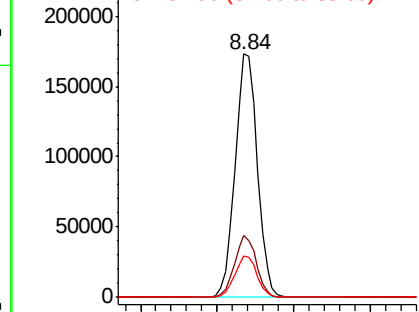
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VW011365.D
Acq: 19 Jul 2019 06:33

Instrument :
MSVOA_W
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SB-9(5-7)

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.3	0.0	50.8
88	16.8	0.0	34.2

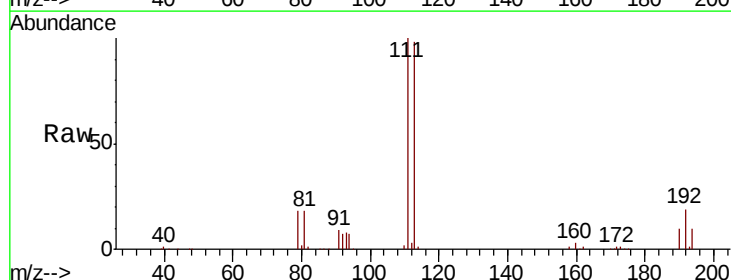


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

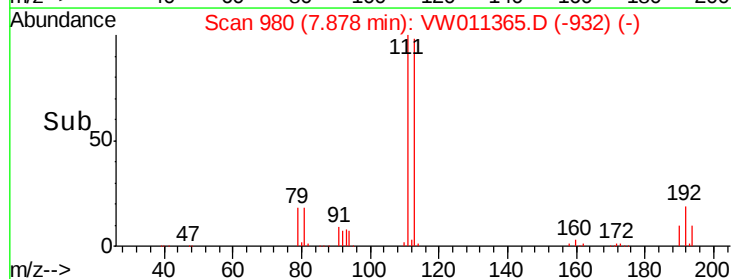
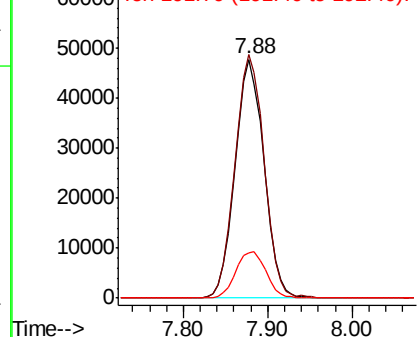


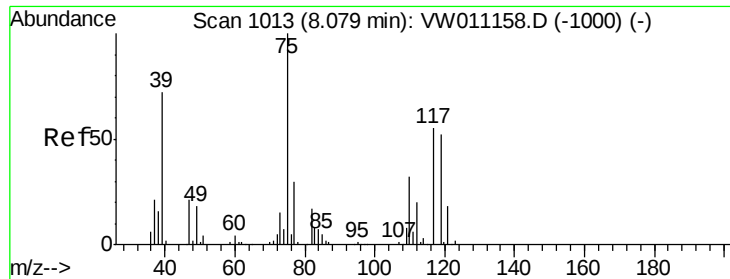
#35
Dibromofluoromethane
Concen: 53.775 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW011365.D
Acq: 19 Jul 2019 06:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.4	123.6
192	20.1	15.8	23.8



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

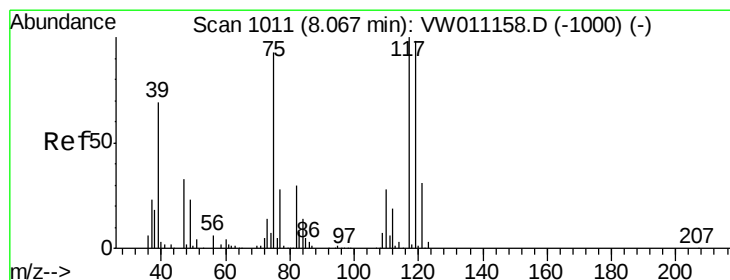
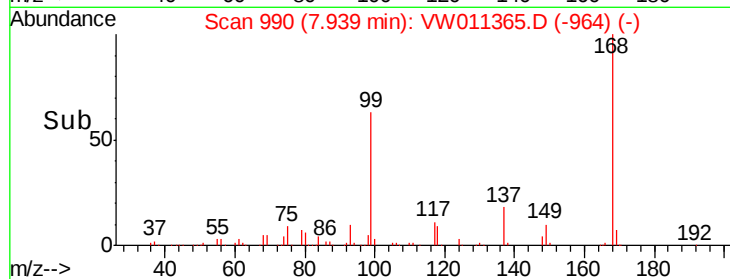
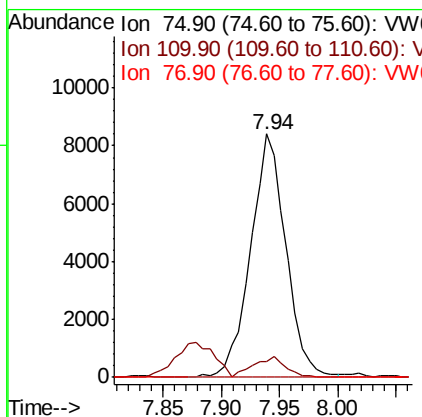
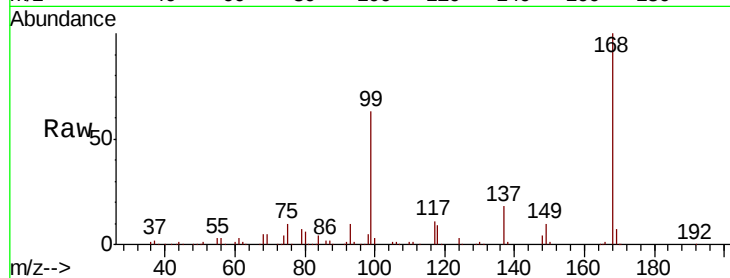




#36
 1,1-Dichloropropene
 Concen: 4.808 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011365.D
 Acq: 19 Jul 2019 06:33

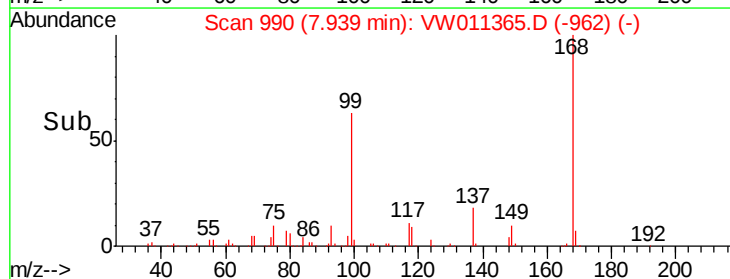
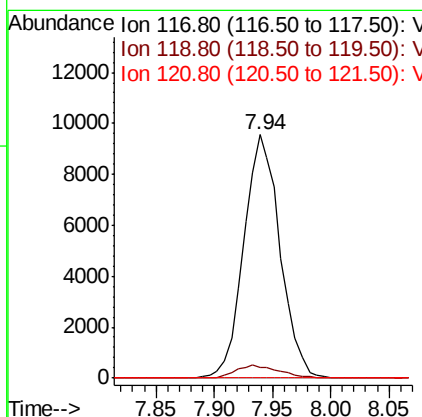
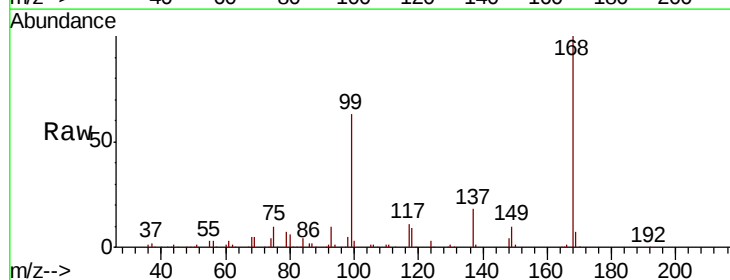
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-9(5-7)

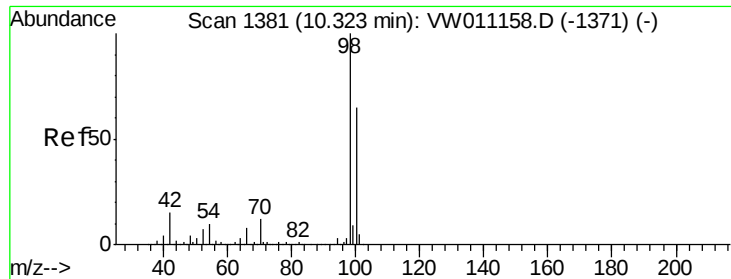
Tot Ion: 75 Resp: 17767
 Ion Ratio Lower Upper
 75 100
 110 7.7 15.9 47.6#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.614 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW011365.D
 Acq: 19 Jul 2019 06:33

Tgt Ion: 117 Resp: 20718
 Ion Ratio Lower Upper
 117 100
 119 4.2 78.1 117.1#
 121 0.0 25.1 37.7#

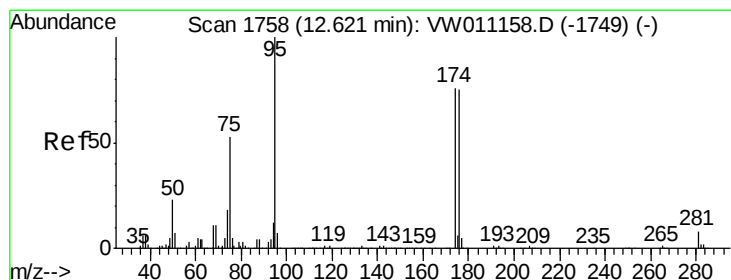
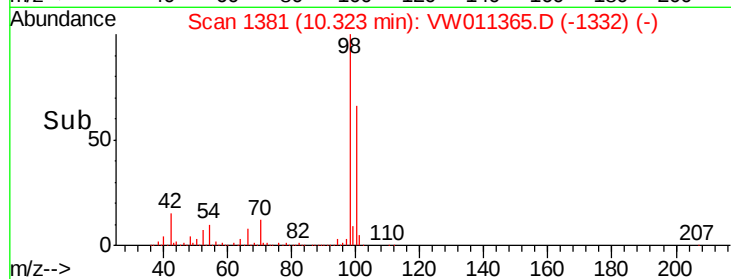
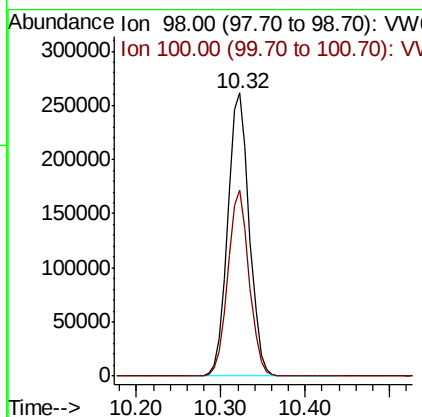
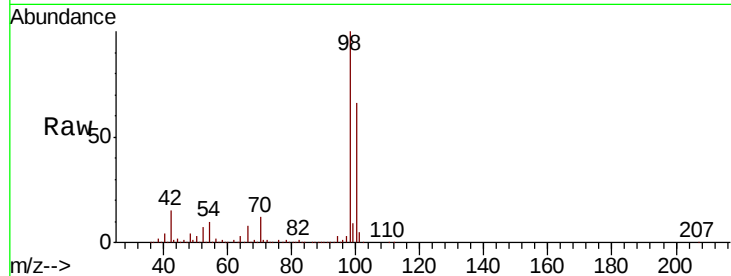




#50
Toluene-d8
Concen: 54.483 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011365.D
Acq: 19 Jul 2019 06:33

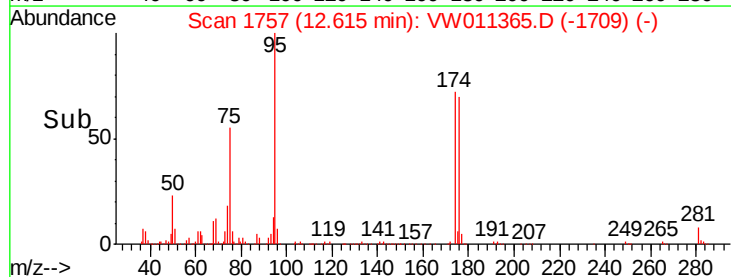
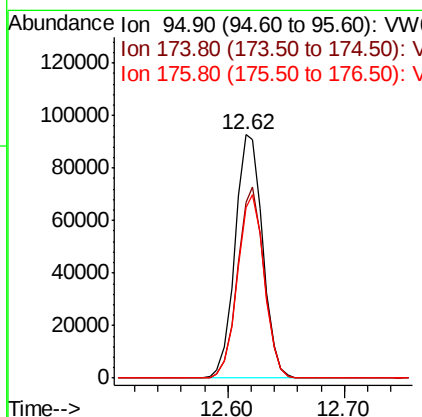
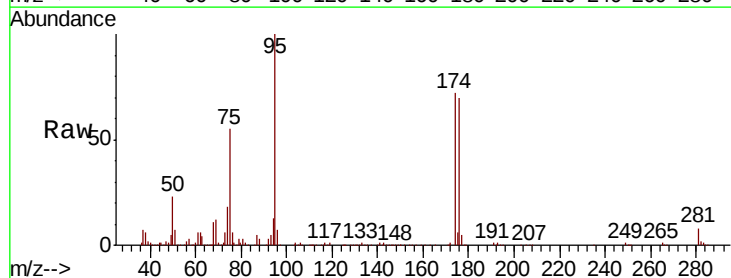
Instrument :
MSVOA_W
ClientSampleId :
SB-9(5-7)

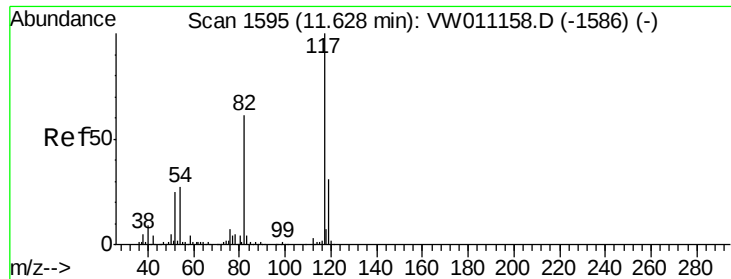
Tot Ion: 98 Resp: 455488
Ion Ratio Lower Upper
98 100
100 64.8 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 49.818 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011365.D
Acq: 19 Jul 2019 06:33

Tgt Ion: 95 Resp: 152658
Ion Ratio Lower Upper
95 100
174 75.6 0.0 147.6
176 73.5 0.0 144.6

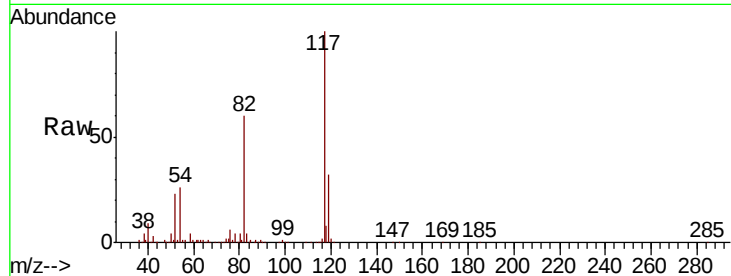




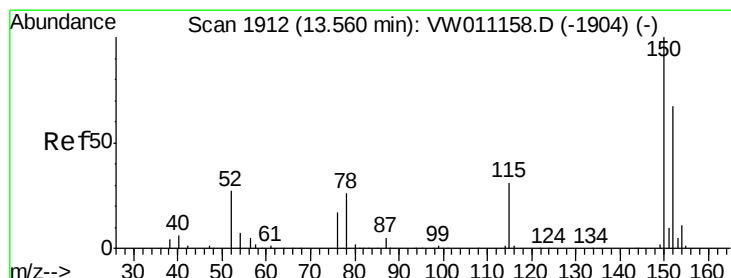
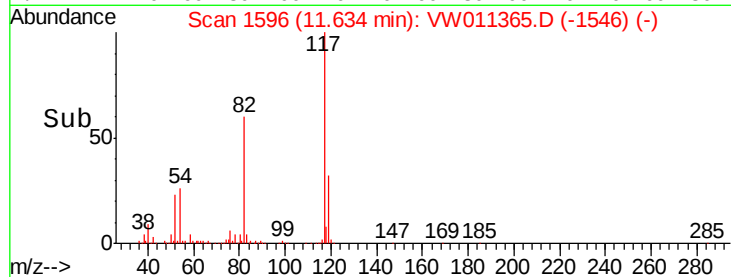
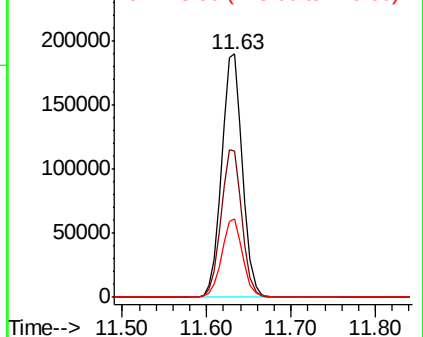
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011365.D
Acq: 19 Jul 2019 06:33

Instrument :
MSVOA_W
ClientSampleId :
SB-9(5-7)

Tot Ion:117 Resp: 321463
Ion Ratio Lower Upper
117 100
82 60.0 48.9 73.3
119 31.9 25.0 37.6

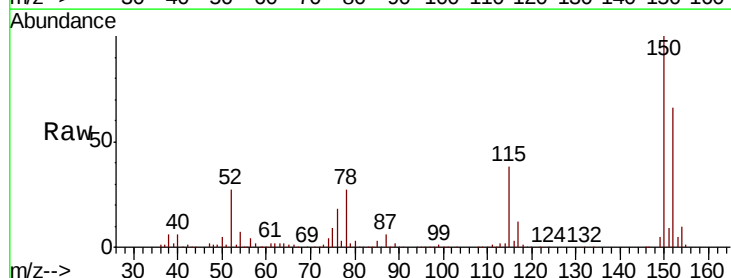


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

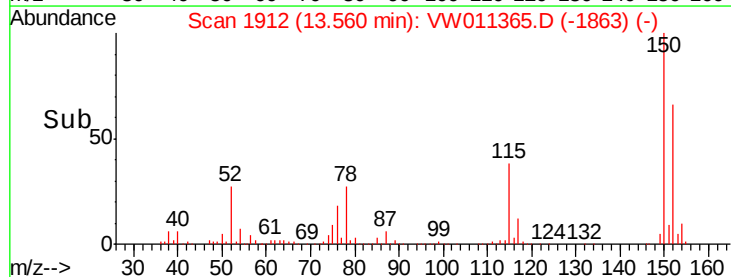
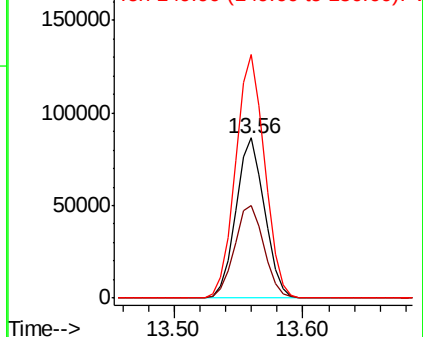


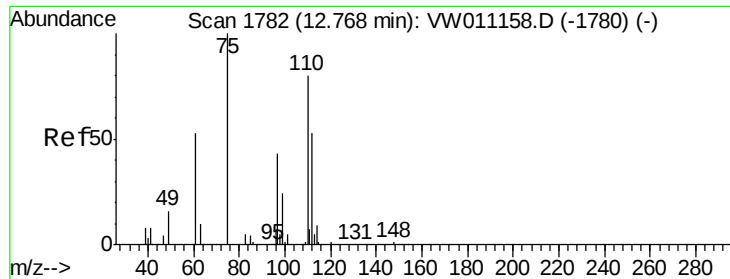
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011365.D
Acq: 19 Jul 2019 06:33

Tgt Ion:152 Resp: 133329
Ion Ratio Lower Upper
152 100
115 59.6 30.1 90.3
150 154.6 0.0 346.0



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: 52.884 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011365.D

Acq: 19 Jul 2019 06:33

Instrument :

MSVOA_W

ClientSampled :

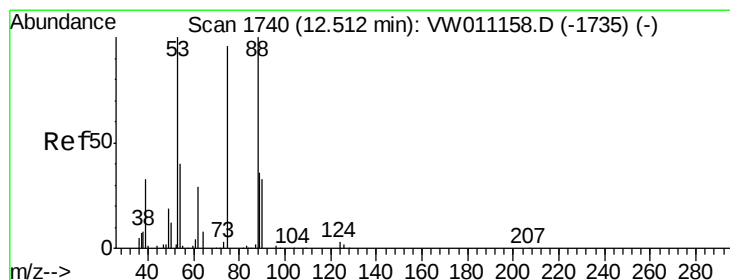
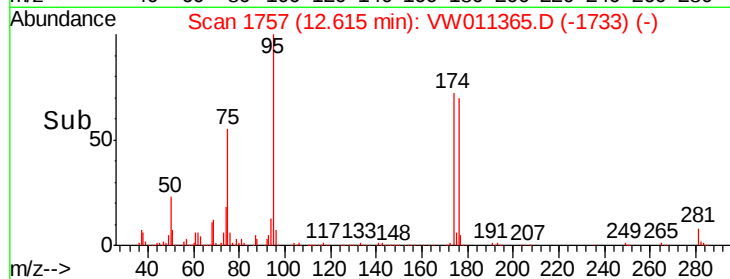
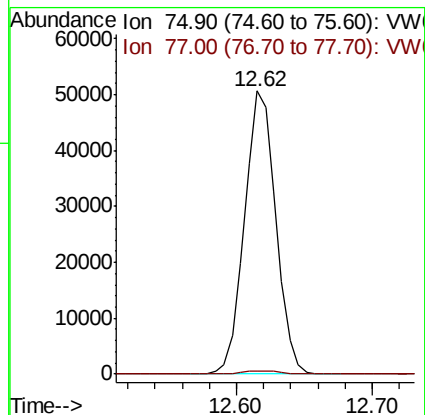
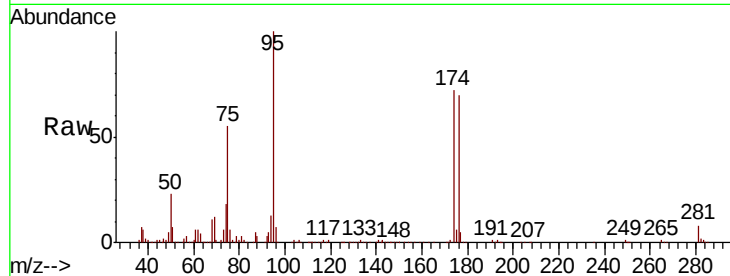
SB-9(5-7)

Tot Ion: 75 Resp: 81483

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 119.614 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011365.D

Acq: 19 Jul 2019 06:33

Tgt Ion: 75 Resp: 81483

Ion Ratio Lower Upper

75 100

53 0.2 89.8 134.6#

89 0.0 34.3 51.5#

