

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013185.D
 Acq On : 20 Sep 2019 16:41
 Operator : SY/VA
 Sample : K4888-02
 Misc : 568G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 20 17:04:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	326806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	489313	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	405726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	178647	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	135578	50.83	ug/l	0.00
Spiked Amount						
			Recovery	=	101.66%	
35) Dibromofluoromethane	7.88	113	135242	50.25	ug/l	0.00
Spiked Amount						
			Recovery	=	100.50%	
50) Toluene-d8	10.32	98	559636	49.69	ug/l	0.00
Spiked Amount						
			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.62	95	174836	45.44	ug/l	0.00
Spiked Amount						
			Recovery	=	90.88%	

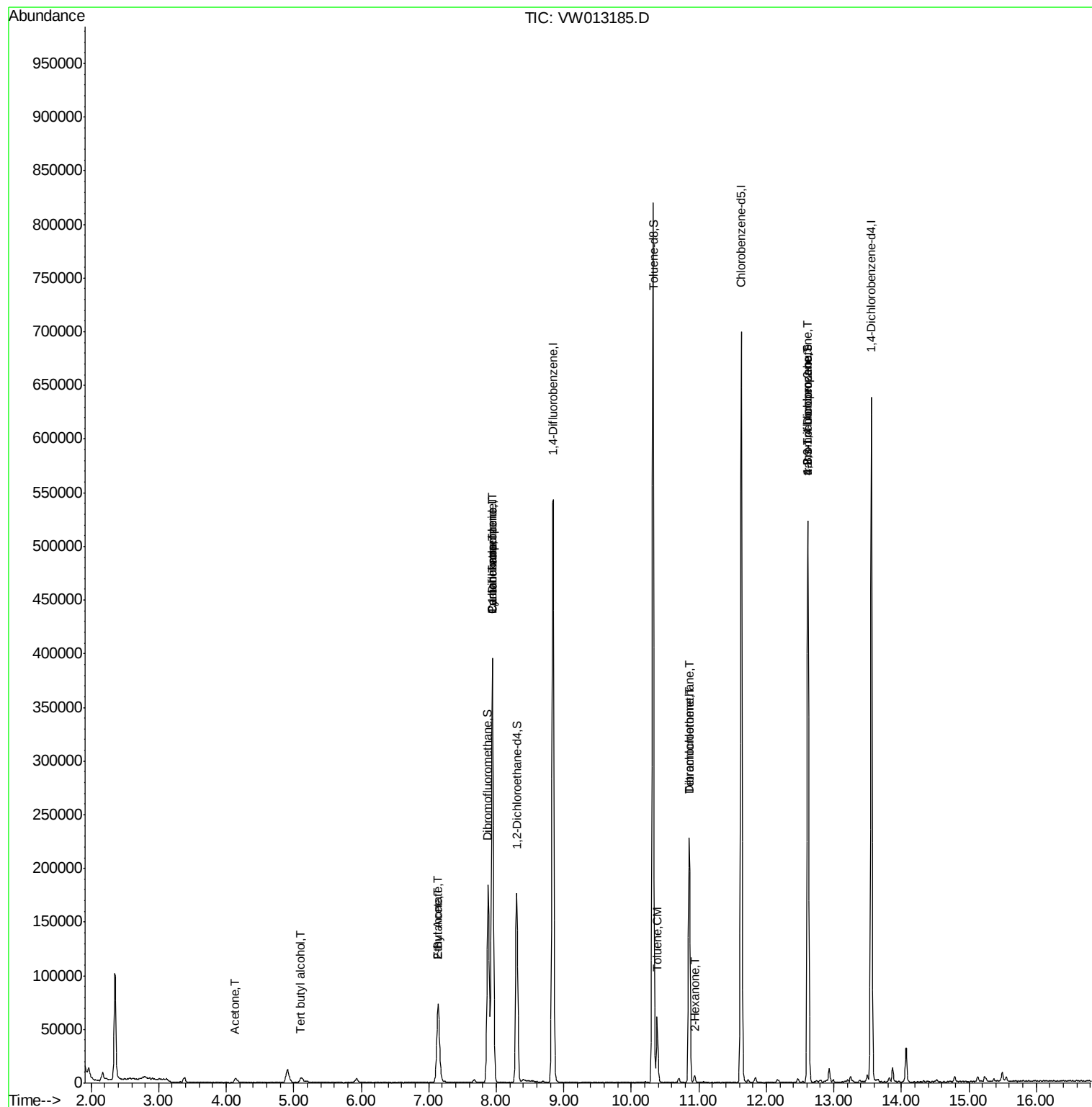
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.10	59	2435	2.682	ug/l #	73
16) Acetone	4.14	43	8315	13.824	ug/l	96
25) 2-Butanone	7.13	43	4342	4.809	ug/l #	75
26) 2,2-Dichloropropane	7.14	77	5102	Below Cal	#	52
31) Cyclohexane	7.94	56	5783	1.000	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	22071	4.657	ug/l #	48
37) Ethyl Acetate	7.13	43	4342	2.156	ug/l #	1
38) Carbon Tetrachloride	7.95	117	28655	6.745	ug/l #	16
52) Toluene	10.38	92	26612	3.141	ug/l	99
59) 2-Hexanone	10.94	43	5228	3.926	ug/l #	23
60) Dibromochloromethane	10.86	129	46003	17.299	ug/l #	11
64) Tetrachloroethene	10.86	164	57569	18.701	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	83786	53.107	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	83786	119.167	ug/l #	12

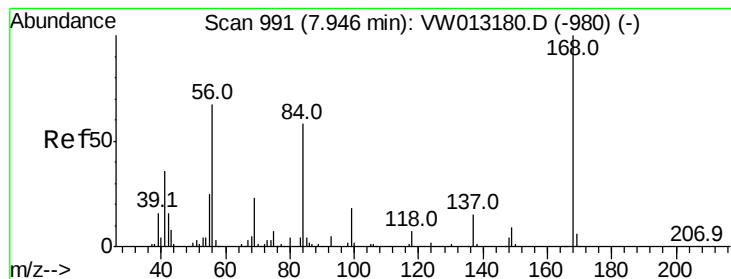
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013185.D

Acq: 20 Sep 2019 16:41

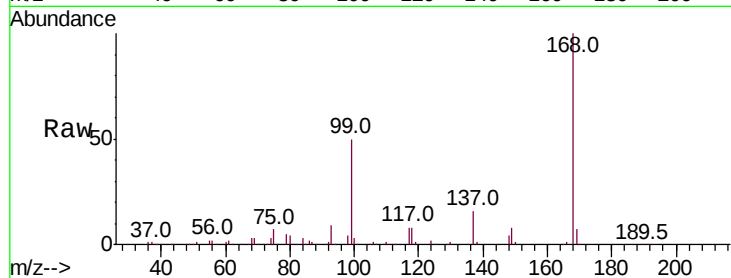
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 326806

Ion Ratio Lower Upper

168 100

99 49.6 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.94

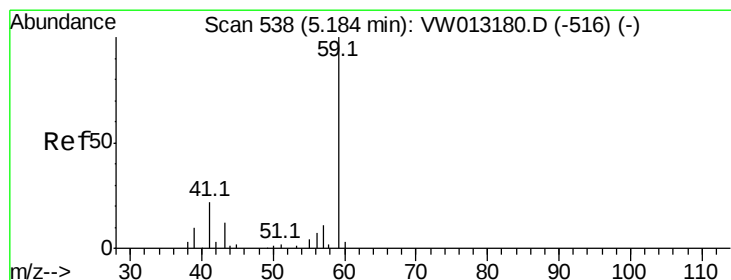
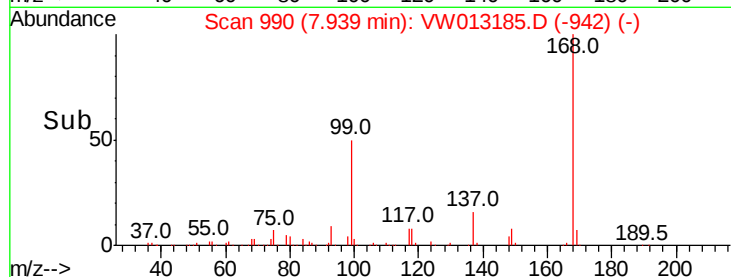
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.682 ug/l

RT: 5.10 min Scan# 525

Delta R.T. -0.08 min

Lab File: VW013185.D

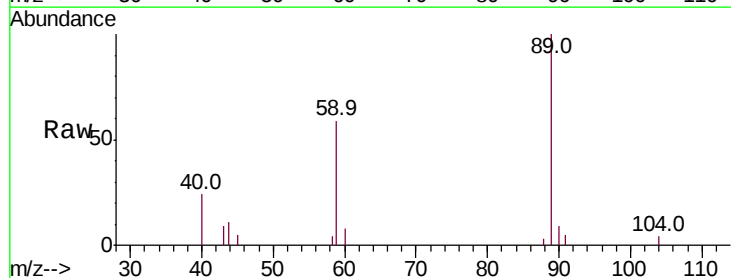
Acq: 20 Sep 2019 16:41

Tgt Ion: 59 Resp: 2435

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.10

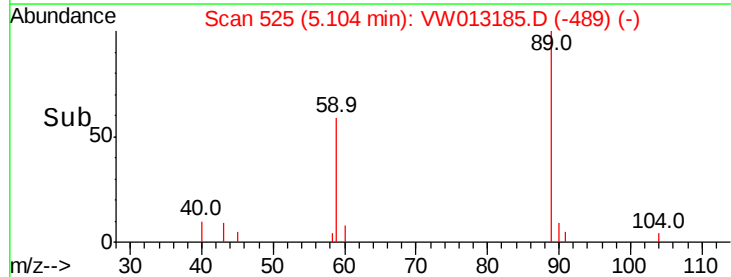
1500

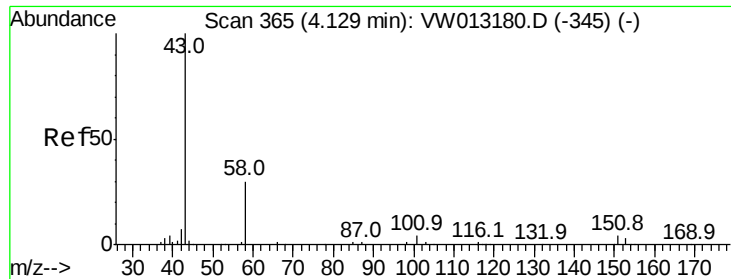
1000

500

0

Time-->





#16

Acetone

Concen: 13.824 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013185.D

Acq: 20 Sep 2019 16:41

Instrument :

MSVOA_W

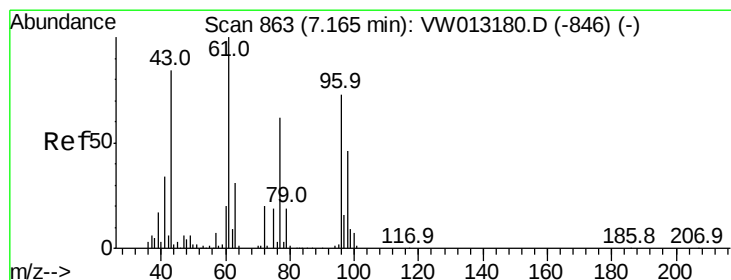
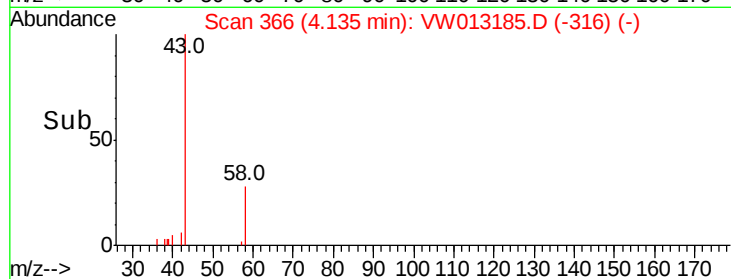
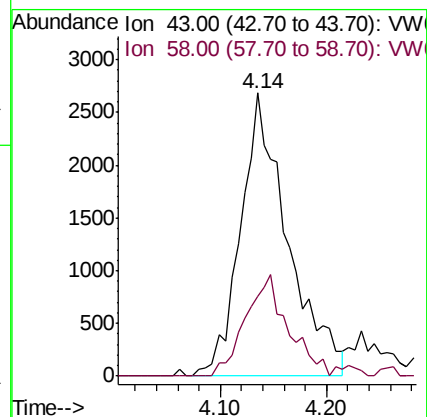
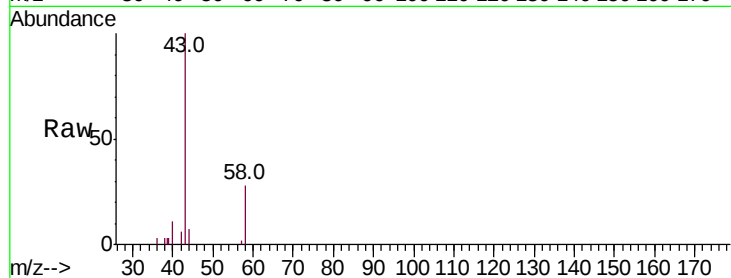
ClientSampled :

Tot Ion: 43 Resp: 8315

Ion Ratio Lower Upper

43 100

58 28.1 24.1 36.1



#25

2-Butanone

Concen: 4.809 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW013185.D

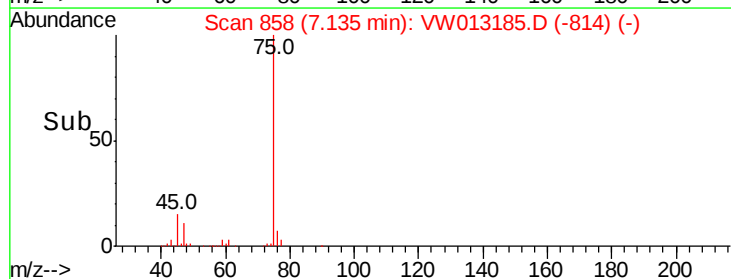
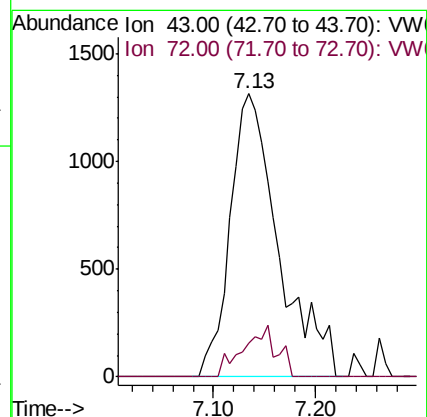
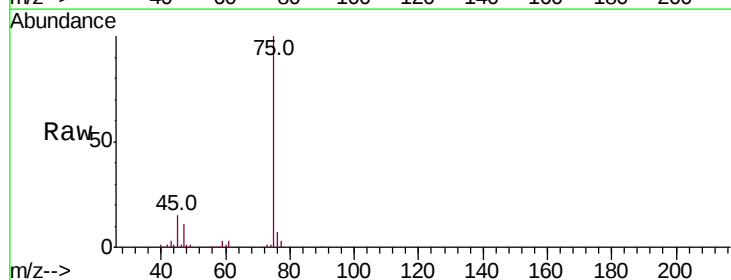
Acq: 20 Sep 2019 16:41

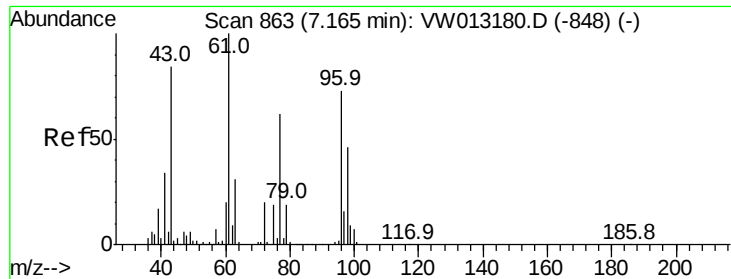
Tgt Ion: 43 Resp: 4342

Ion Ratio Lower Upper

43 100

72 11.9 19.4 29.0#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013185.D

Acq: 20 Sep 2019 16:41

Instrument :

MSVOA_W

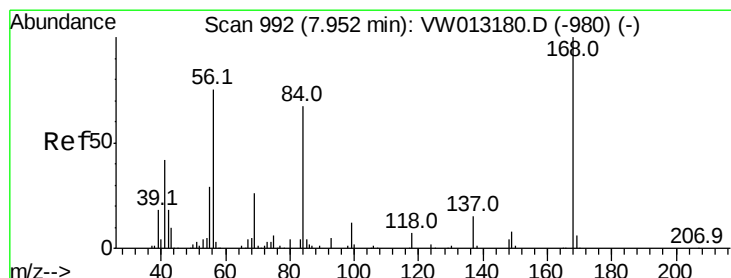
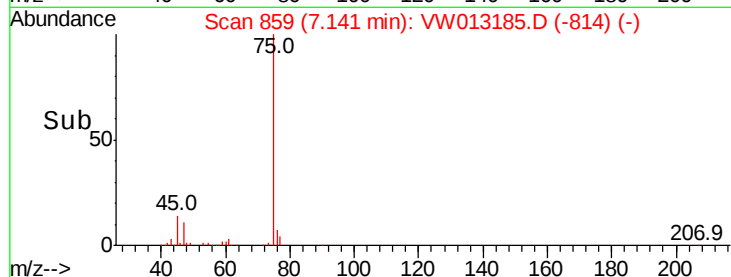
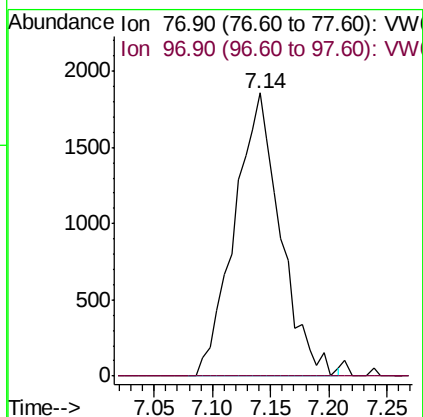
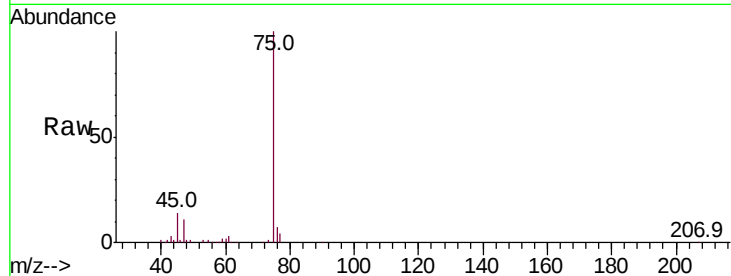
ClientSampleId :

Tot Ion: 77 Resp: 5102

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



#31

Cyclohexane

Concen: 1.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013185.D

Acq: 20 Sep 2019 16:41

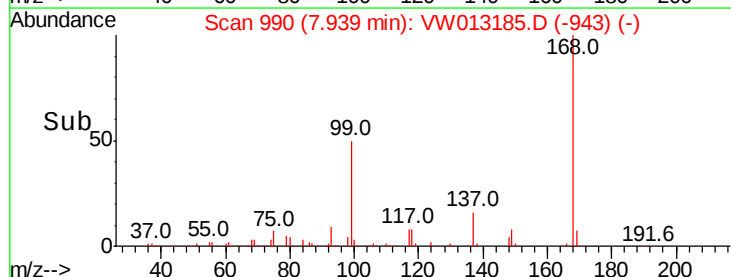
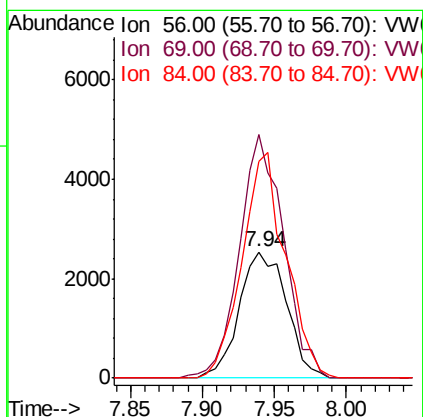
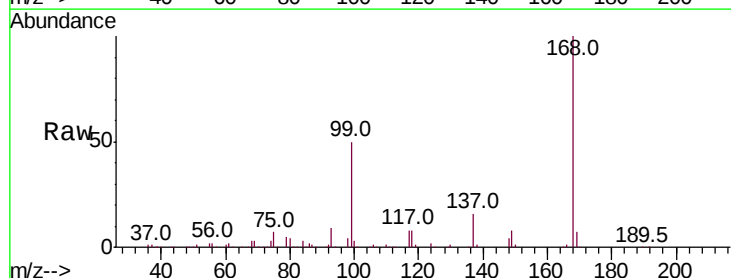
Tgt Ion: 56 Resp: 5783

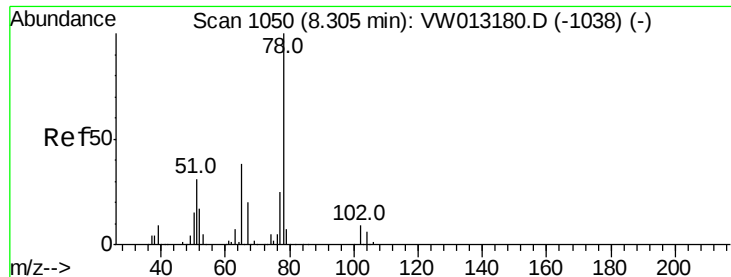
Ion Ratio Lower Upper

56 100

69 192.5 27.2 40.8#

84 171.0 70.8 106.2#





#33

1,2-Dichloroethane-d4

Concen: 50.831 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013185.D

Acq: 20 Sep 2019 16:41

Instrument :

MSVOA_W

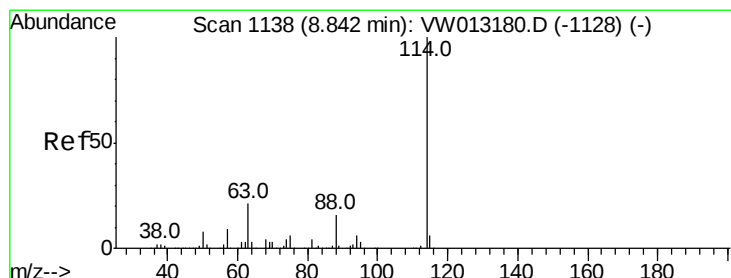
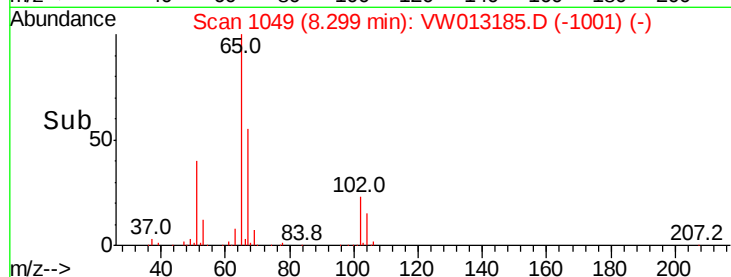
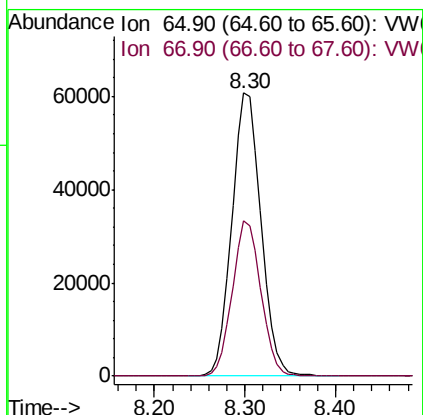
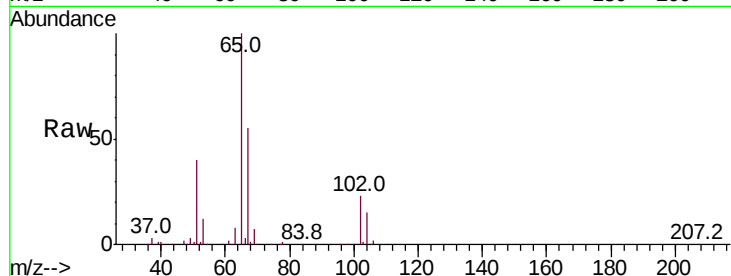
ClientSampleId :

Tot Ion: 65 Resp: 135578

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013185.D

Acq: 20 Sep 2019 16:41

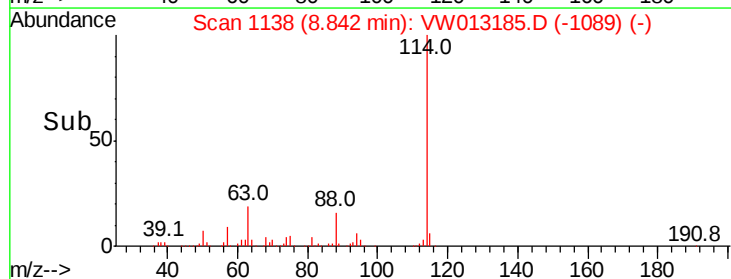
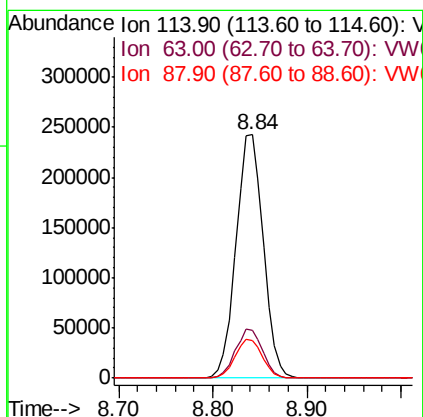
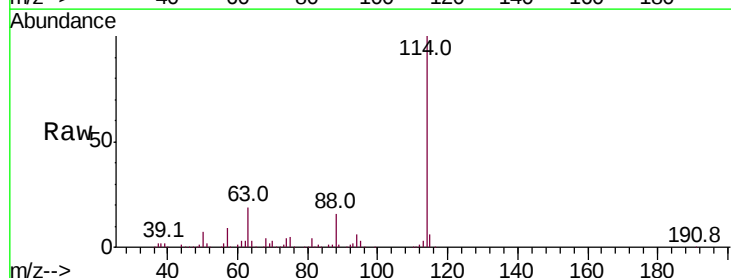
Tgt Ion: 114 Resp: 489313

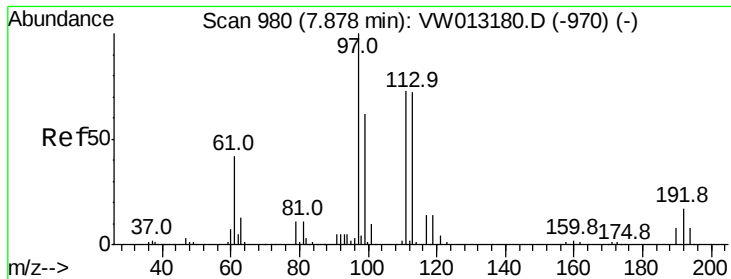
Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.4

88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.253 ug/l

RT: 7.88 min Scan# 980

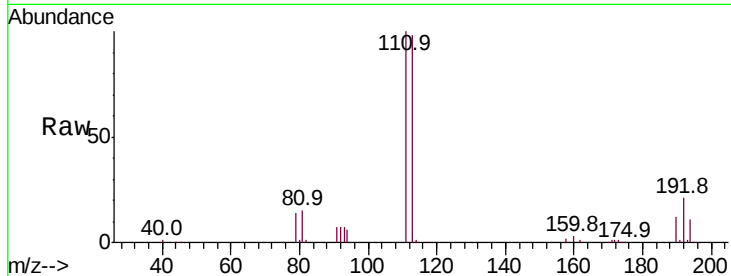
Delta R.T. -0.00 min

Lab File: VW013185.D

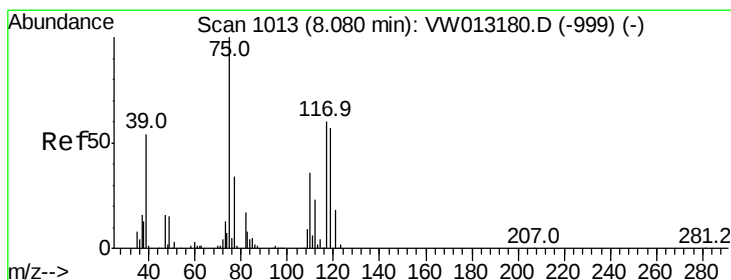
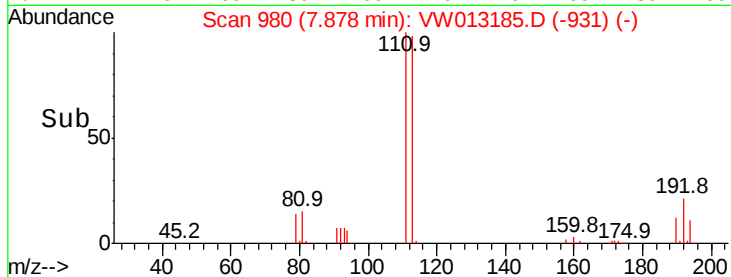
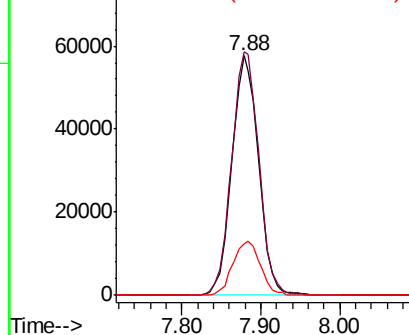
Acq: 20 Sep 2019 16:41

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	113	Resp:	135242
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.9	122.9
192	23.4	19.1	28.7



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: 4.657 ug/l

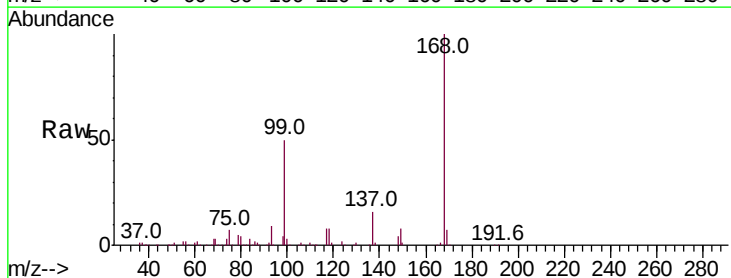
RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

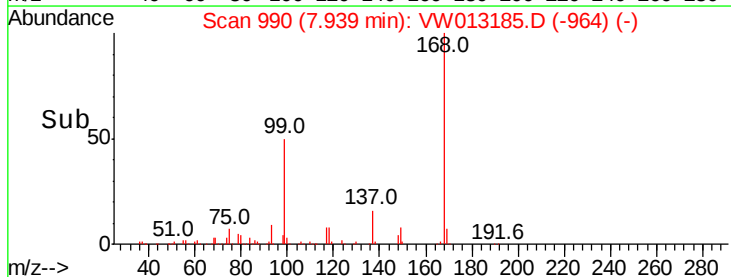
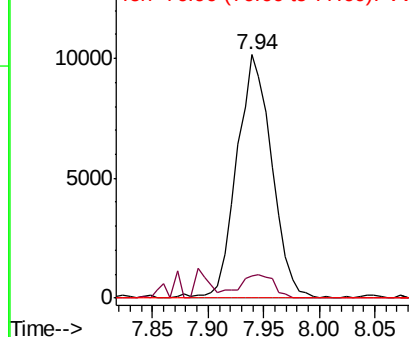
Lab File: VW013185.D

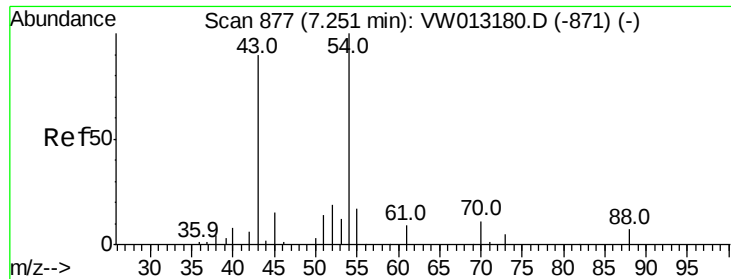
Acq: 20 Sep 2019 16:41

Tgt Ion:	75	Resp:	22071
Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.3#
77	0.0	25.8	38.6#



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





#37

Ethyl Acetate

Concen: 2.156 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.12 min

Lab File: VW013185.D

Acq: 20 Sep 2019 16:41

Instrument :

MSVOA_W

ClientSampleId :

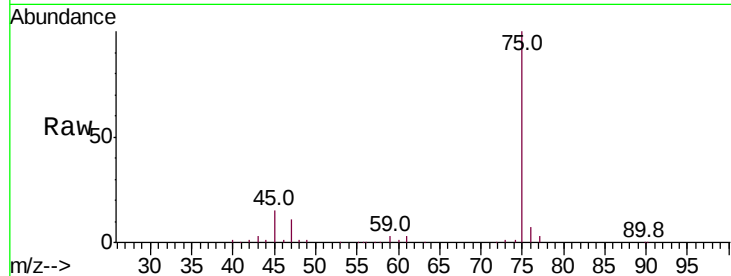
Tot Ion: 43 Resp: 4342

Ion Ratio Lower Upper

43 100

61 84.5 10.9 16.3#

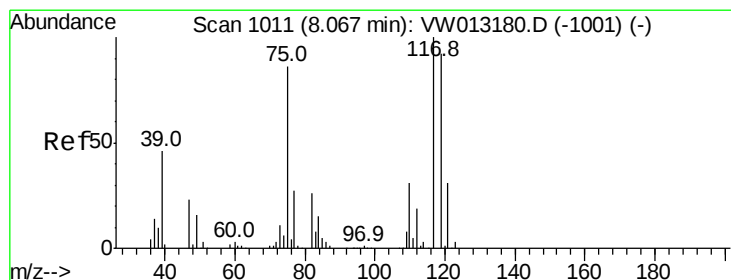
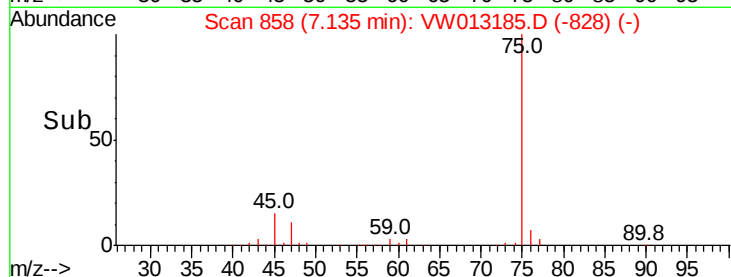
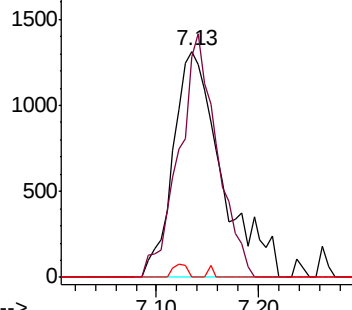
70 0.6 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.745 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013185.D

Acq: 20 Sep 2019 16:41

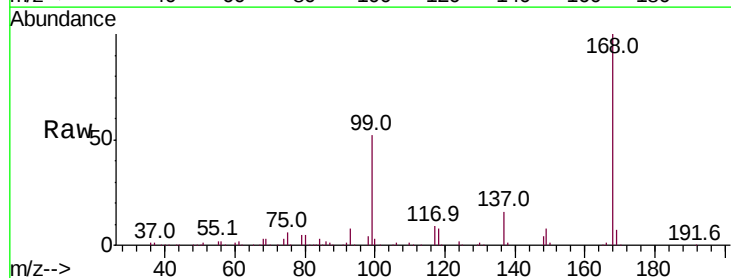
Tgt Ion: 117 Resp: 28655

Ion Ratio Lower Upper

117 100

119 3.0 73.5 110.3#

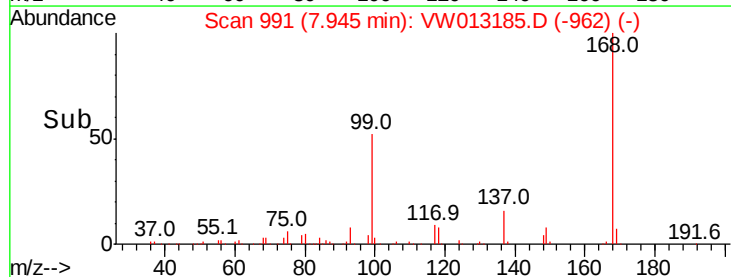
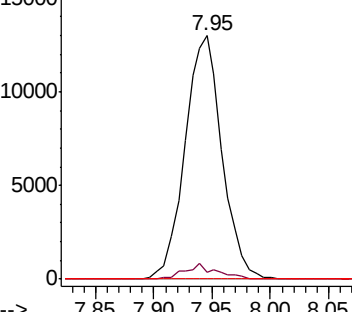
121 0.0 25.0 37.6#

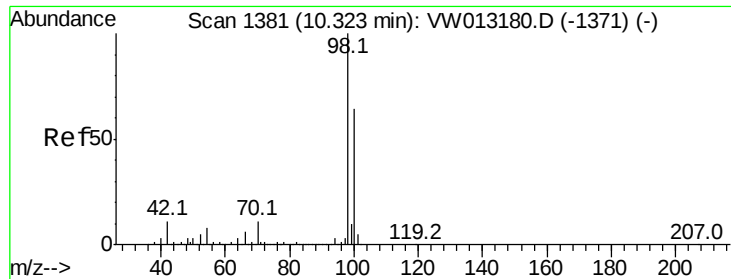


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

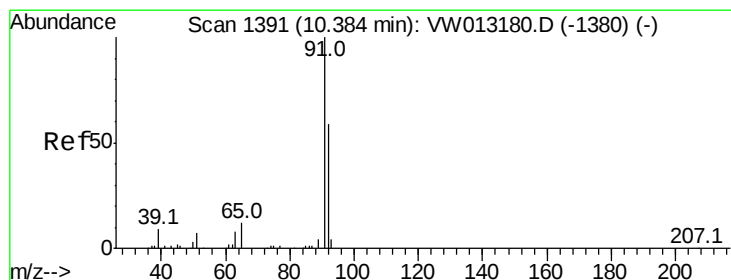
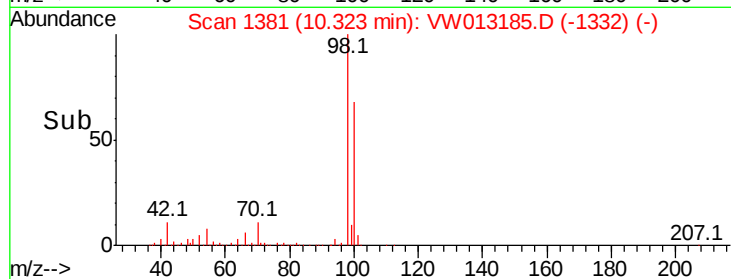
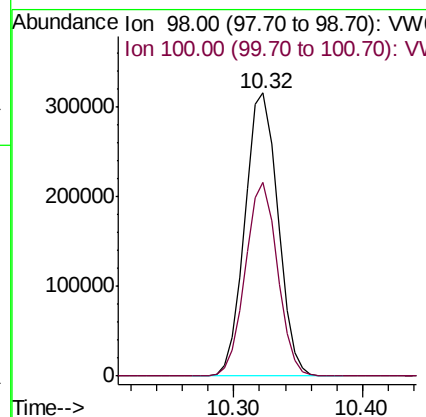
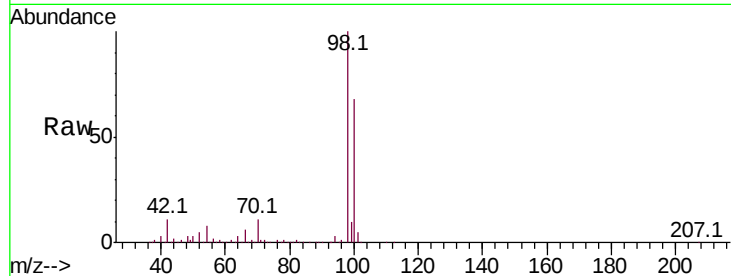




#50
Toluene-d8
Concen: 49.688 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013185.D
Acq: 20 Sep 2019 16:41

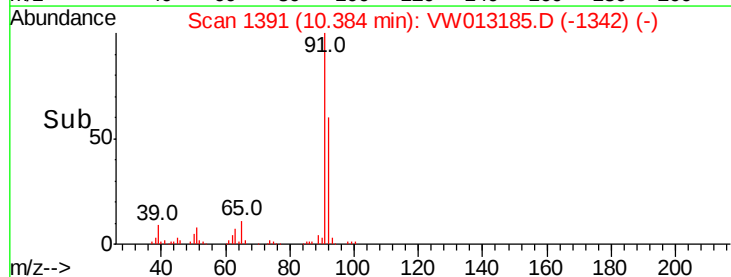
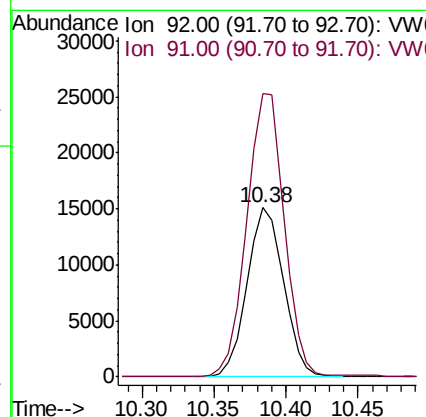
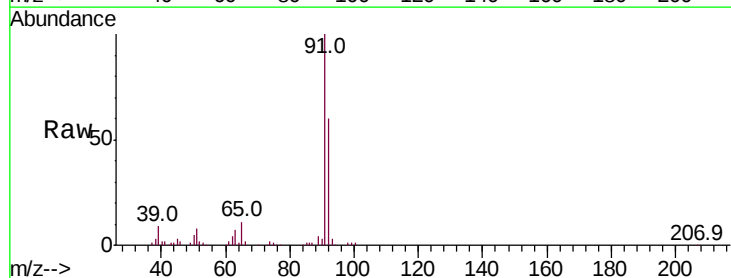
Instrument :
MSVOA_W
ClientSampleId :

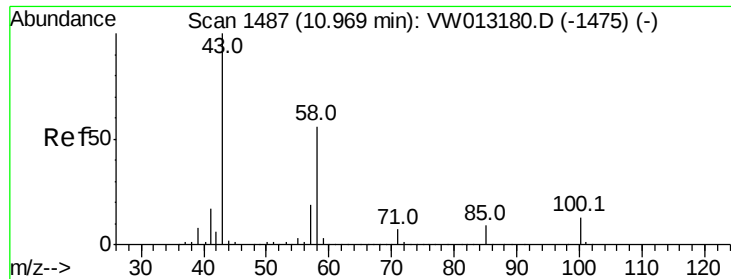
Tot Ion: 98 Resp: 559636
Ion Ratio Lower Upper
98 100
100 66.2 52.9 79.3



#52
Toluene
Concen: 3.141 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013185.D
Acq: 20 Sep 2019 16:41

Tgt Ion: 92 Resp: 26612
Ion Ratio Lower Upper
92 100
91 171.4 135.7 203.5

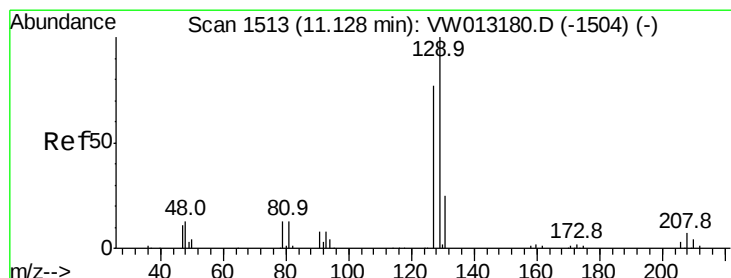
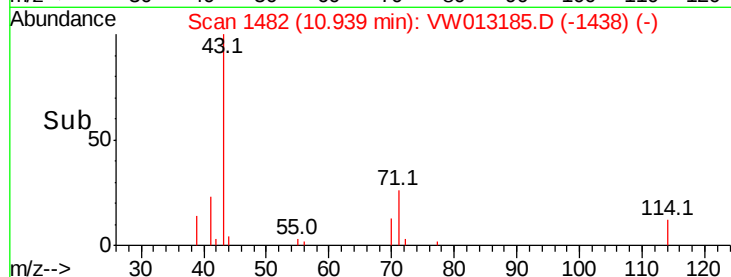
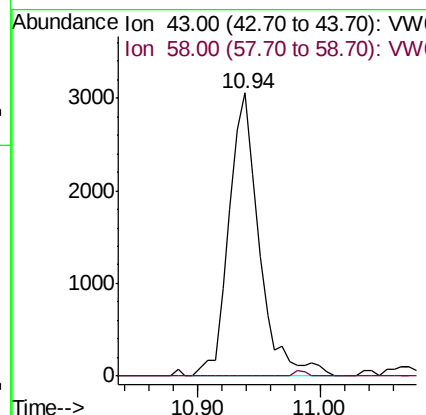
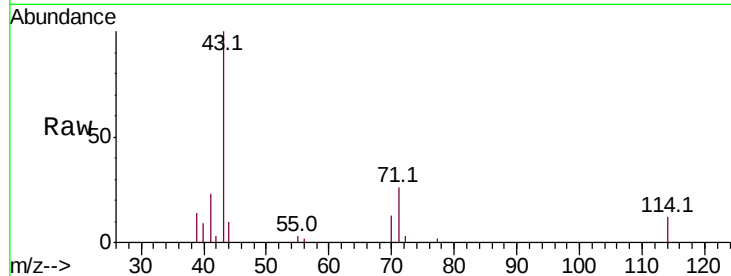




#59
2-Hexanone
Concen: 3.926 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW013185.D
Acq: 20 Sep 2019 16:41

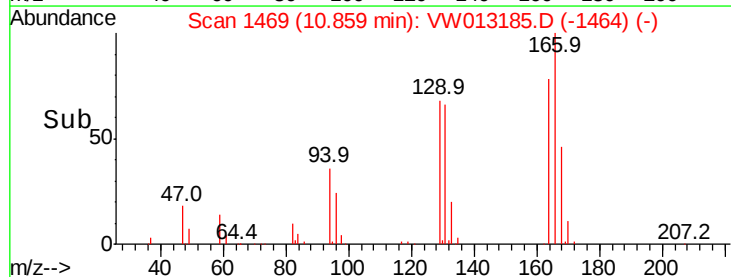
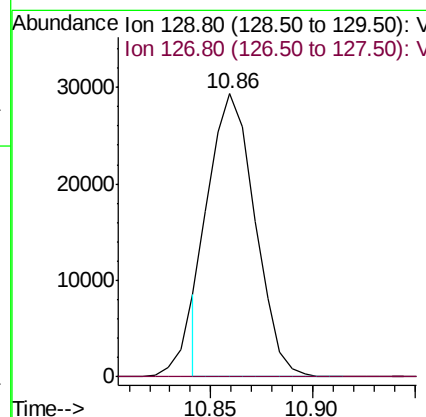
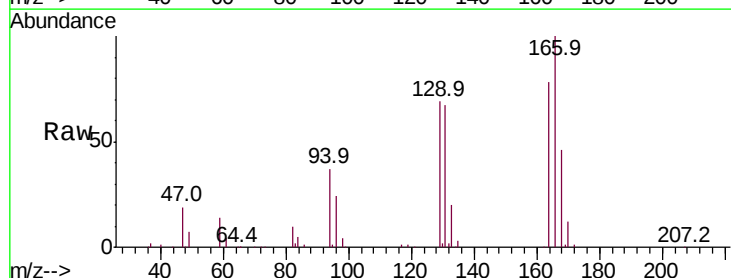
Instrument :
MSVOA_W
ClientSampleId :

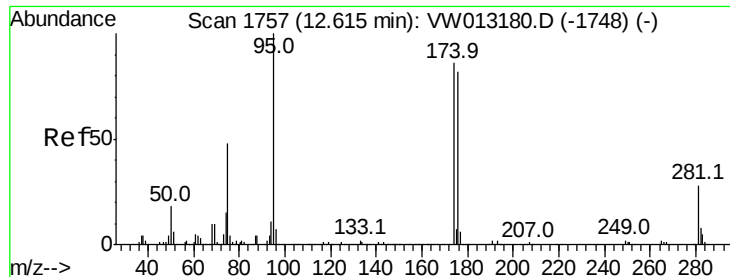
Tot Ion: 43 Resp: 5228
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.2#



#60
Dibromochloromethane
Concen: 17.299 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.27 min
Lab File: VW013185.D
Acq: 20 Sep 2019 16:41

Tgt Ion: 129 Resp: 46003
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#





#62

4-Bromofluorobenzene

Concen: 45.443 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013185.D

Acq: 20 Sep 2019 16:41

Instrument :

MSVOA_W

ClientSampleId :

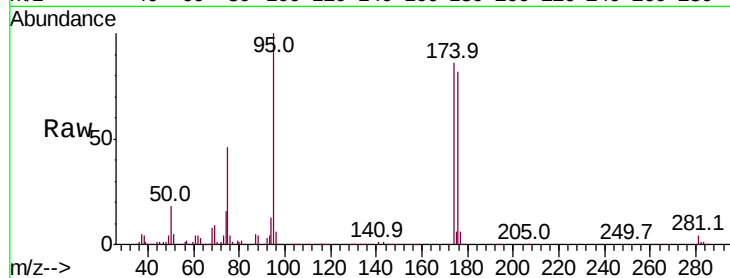
Tot Ion: 95 Resp: 174836

Ion Ratio Lower Upper

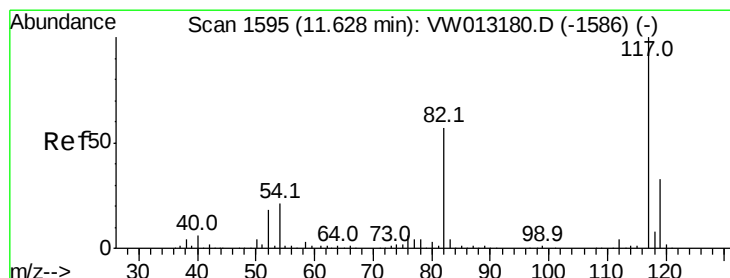
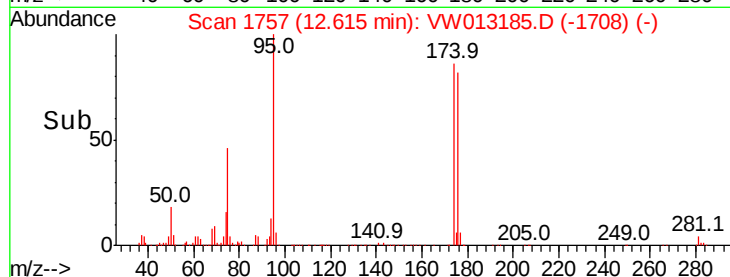
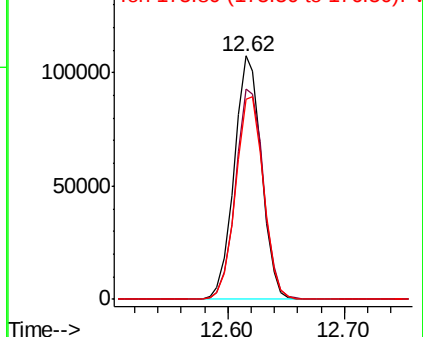
95 100

174 88.4 0.0 178.4

176 85.6 0.0 172.2



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. -0.00 min

Lab File: VW013185.D

Acq: 20 Sep 2019 16:41

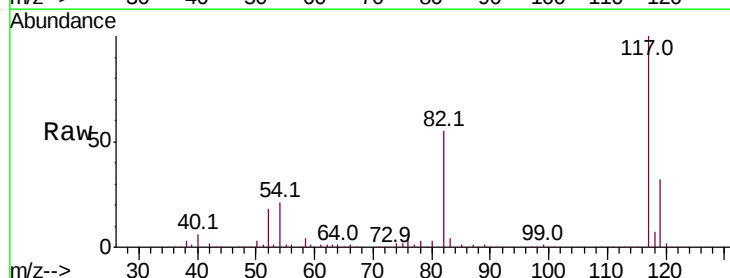
Tgt Ion: 117 Resp: 405726

Ion Ratio Lower Upper

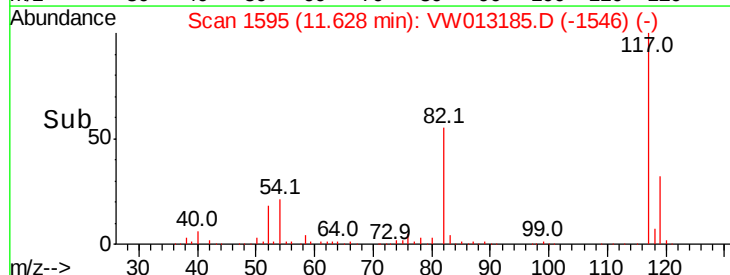
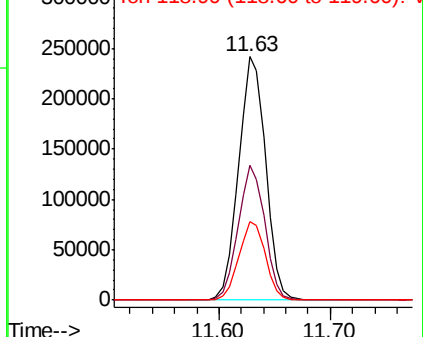
117 100

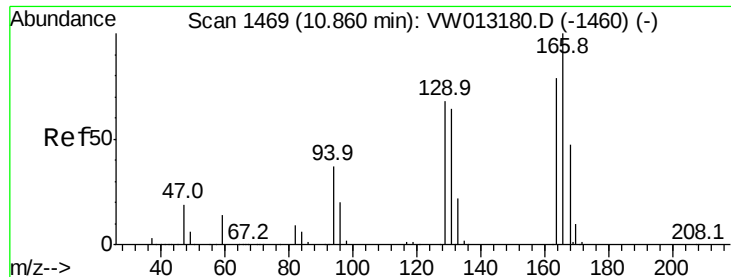
82 55.1 45.9 68.9

119 32.1 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





#64

Tetrachloroethene

Concen: 18.701 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013185.D

Acq: 20 Sep 2019 16:41

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 57569

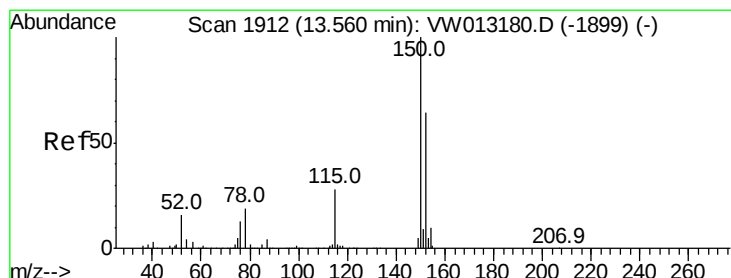
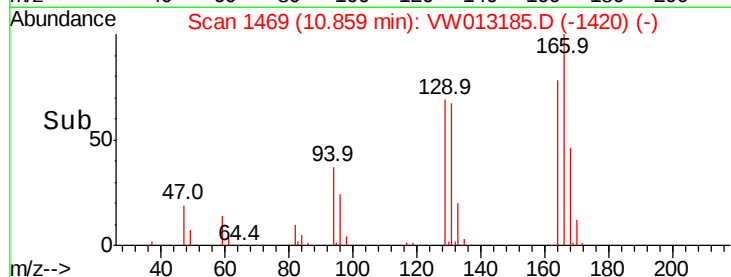
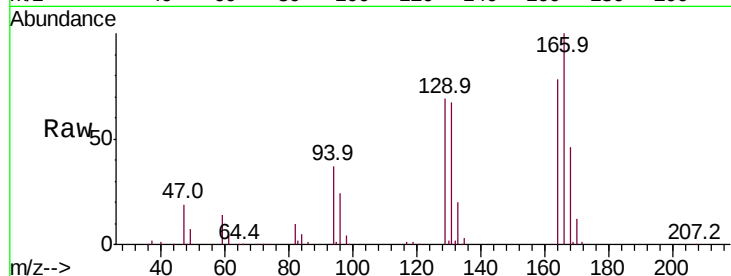
Ion Ratio Lower Upper

164 100

166 128.4 101.2 151.8

129 88.7 68.8 103.2

131 85.6 65.2 97.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013185.D

Acq: 20 Sep 2019 16:41

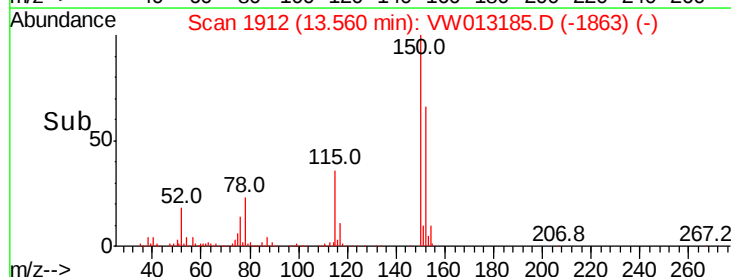
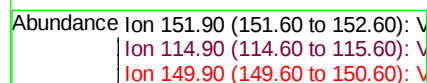
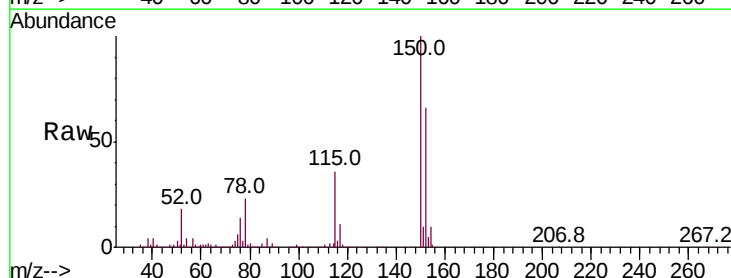
Tgt Ion:152 Resp: 178647

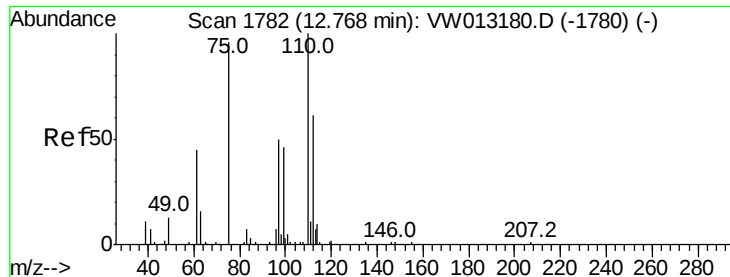
Ion Ratio Lower Upper

152 100

115 55.8 27.3 81.9

150 156.7 0.0 349.0



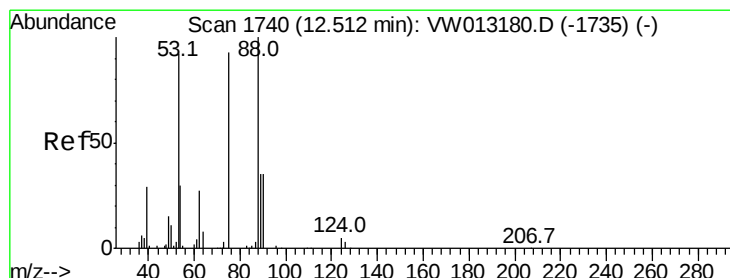
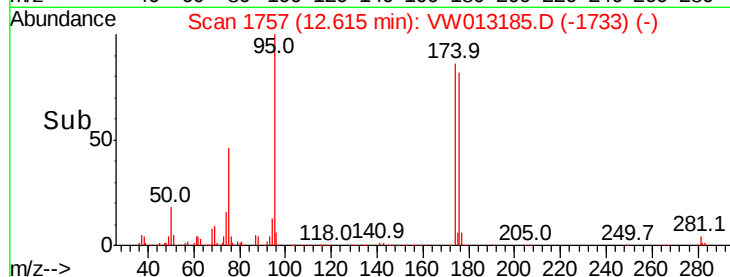
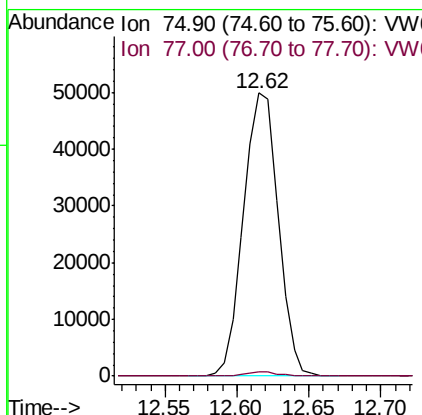
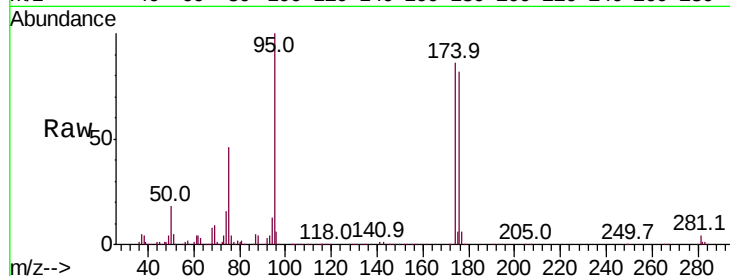


#76

1,2,3-Trichloropropane
Concen: 53.107 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013185.D
Acq: 20 Sep 2019 16:41

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 75 Resp: 83786
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 119.167 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW013185.D
Acq: 20 Sep 2019 16:41

Tgt Ion: 75 Resp: 83786
Ion Ratio Lower Upper
75 100
53 0.0 76.6 114.8#
89 0.0 33.5 50.3#

