

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020119\
 Data File : VW008484.D
 Acq On : 01 Feb 2019 16:23
 Operator : SY/VA
 Sample : K1297-04
 Misc : 4.20G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DUP-01-30-19

Quant Time: Feb 02 00:45:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	260734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	410403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	372772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	181854	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	145292	56.72	ug/l	0.00
Spiked Amount			Recovery	=	113.44%	
35) Dibromofluoromethane	7.88	113	131350	54.73	ug/l	0.00
Spiked Amount			Recovery	=	109.46%	
50) Toluene-d8	10.32	98	488939	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.62	95	181452	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	

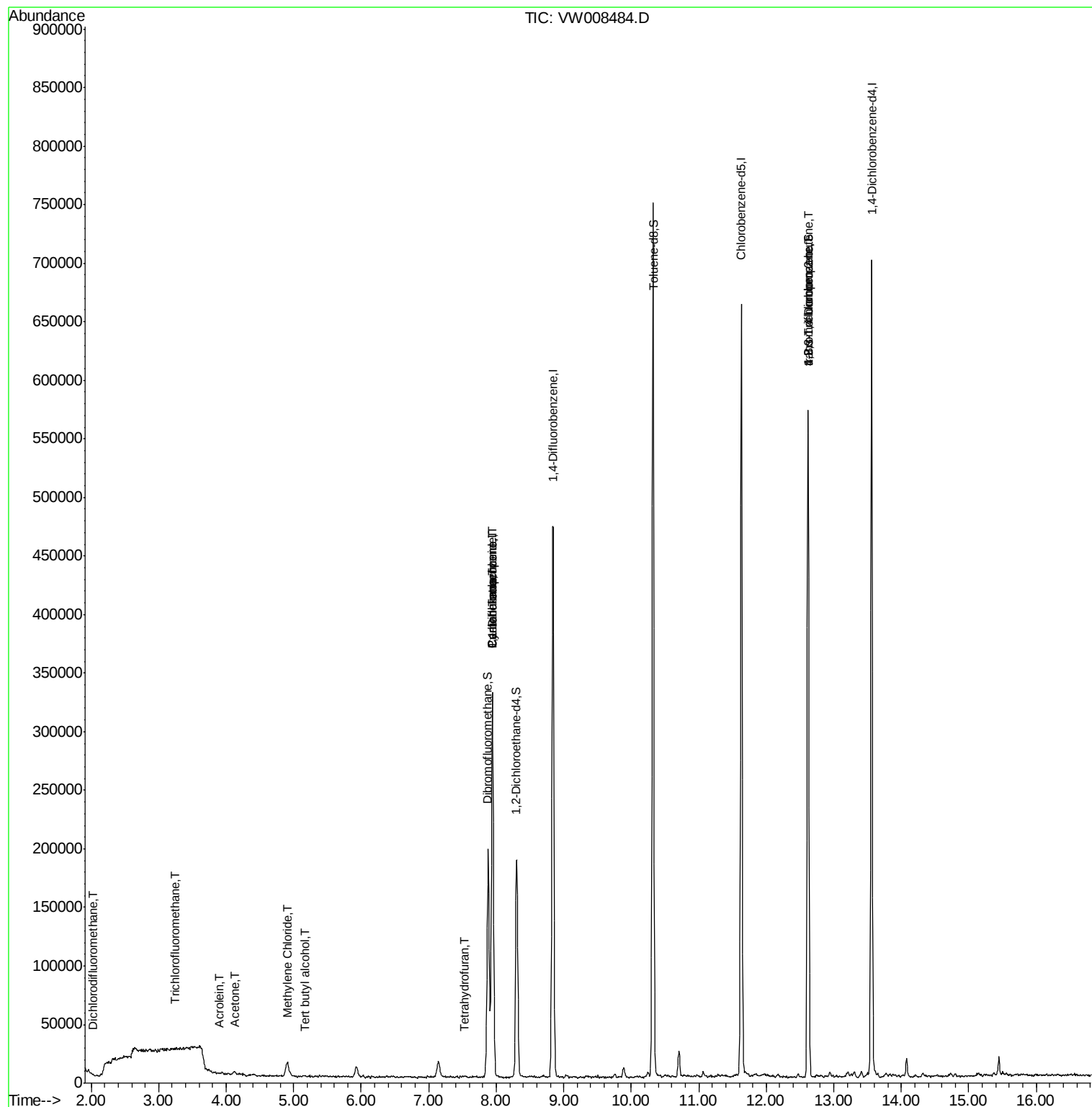
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.03	85	468	3.543	ug/l #	41
7) Trichlorofluoromethane	3.25	101	59	4.747	ug/l #	65
11) Tert butyl alcohol	5.17	59	1014	4.917	ug/l #	70
13) Acrolein	3.90	56	276	5.677	ug/l	85
16) Acetone	4.12	43	5821	10.120	ug/l #	80
20) Methylene Chloride	4.91	84	8984	3.389	ug/l	83
29) Tetrahydrofuran	7.53	42	958	1.892	ug/l #	72
31) Cyclohexane	7.95	56	5927	1.179	ug/l #	16
36) 1,1-Dichloropropene	7.95	75	18978	4.895	ug/l #	50
38) Carbon Tetrachloride	7.95	117	25082	6.429	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	90873	57.475	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	90873	113.517	ug/l #	12

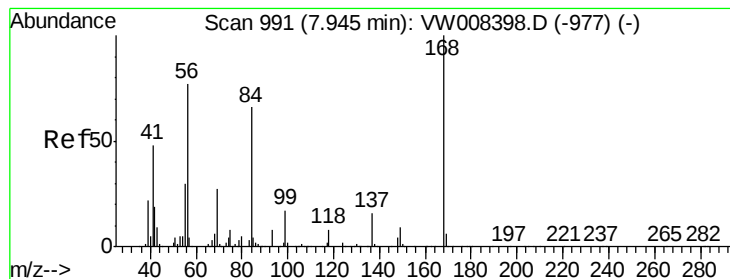
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008484.D

Acq: 01 Feb 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

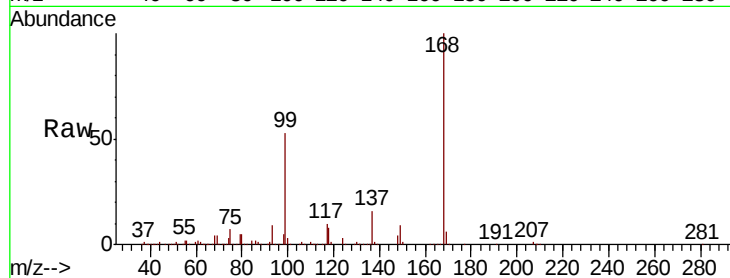
DUP-01-30-19

Tgt Ion: 168 Resp: 260734

Ion Ratio Lower Upper

168 100

99 53.4 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

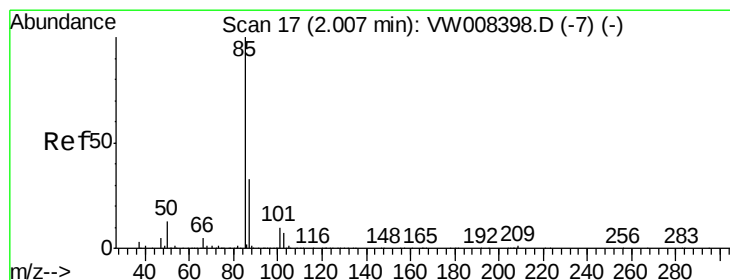
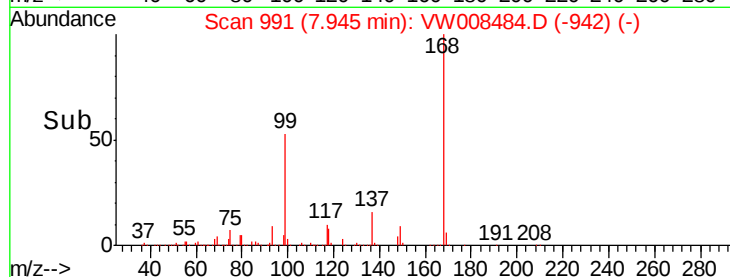
100000

50000

0

Time-->

7.90 8.00



#2

Dichlorodifluoromethane

Concen: 3.543 ug/l

RT: 2.03 min Scan# 20

Delta R.T. 0.02 min

Lab File: VW008484.D

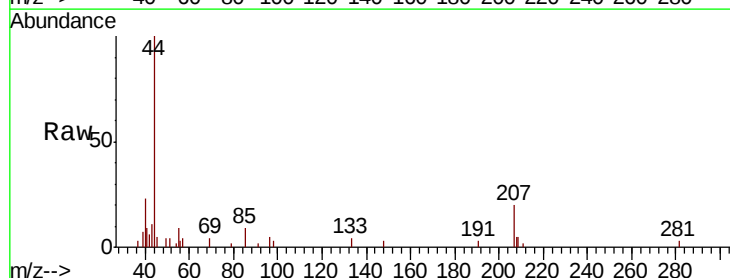
Acq: 01 Feb 2019 16:23

Tgt Ion: 85 Resp: 468

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.03

250

200

150

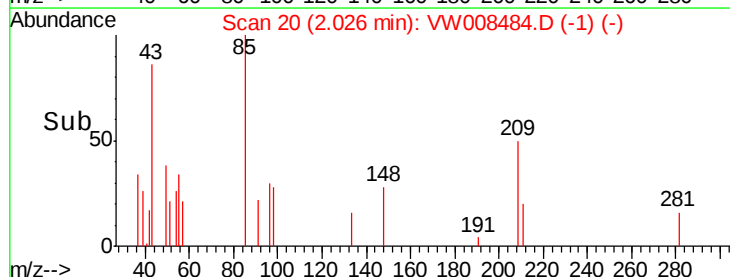
100

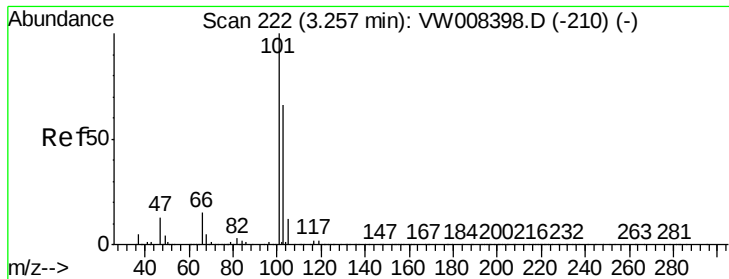
50

0

Time-->

1.95 2.00 2.05 2.10



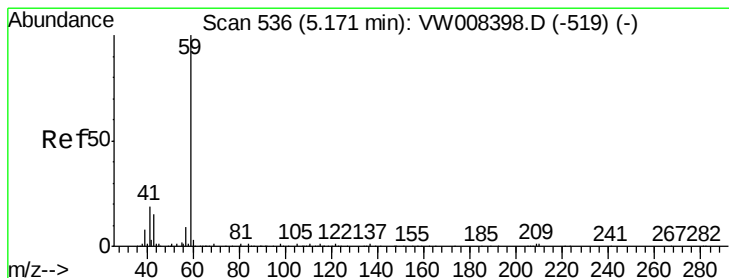
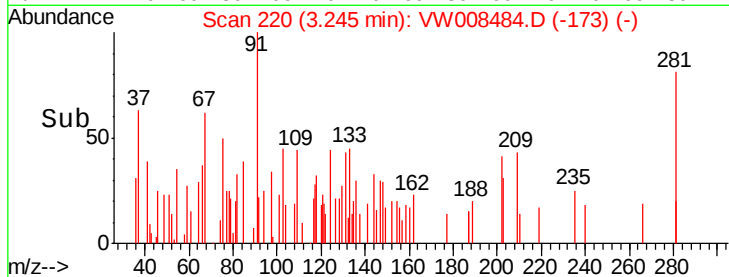
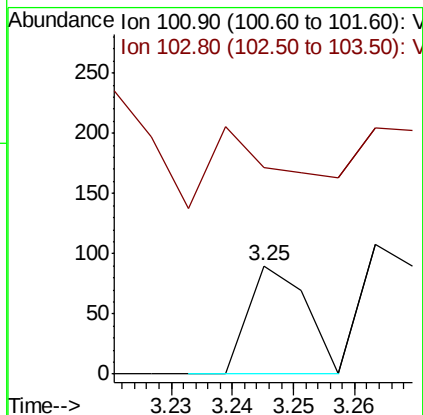
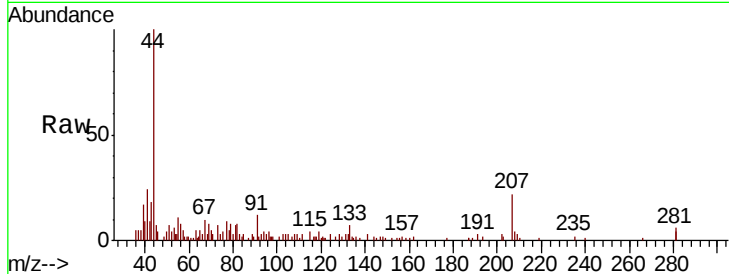


#7

Trichlorofluoromethane
Concen: 4.747 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW008484.D
Acq: 01 Feb 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
DUP-01-30-19

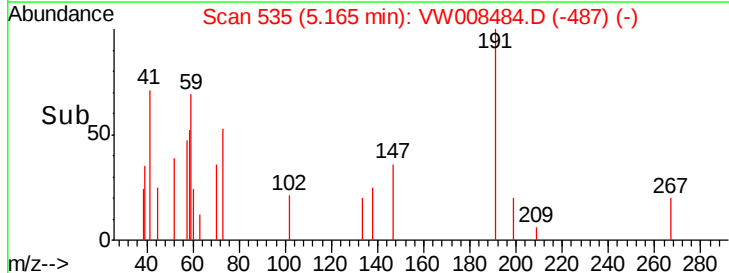
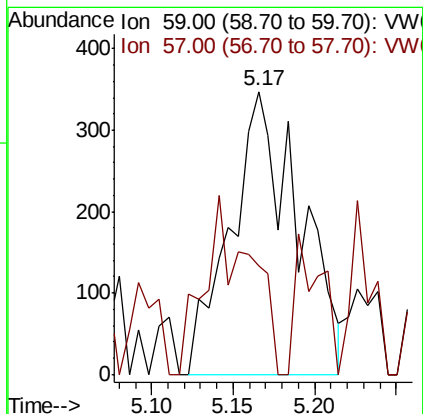
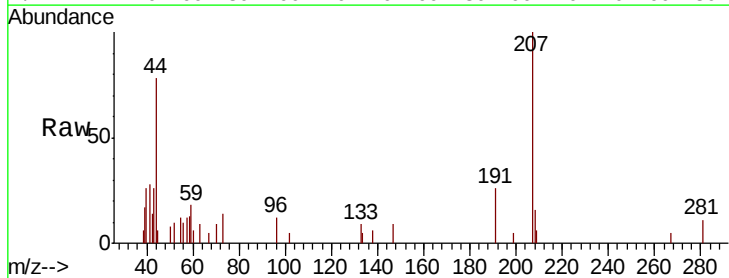
Tgt Ion: 101 Resp: 59
Ion Ratio Lower Upper
101 100
103 37.8 52.5 78.7#

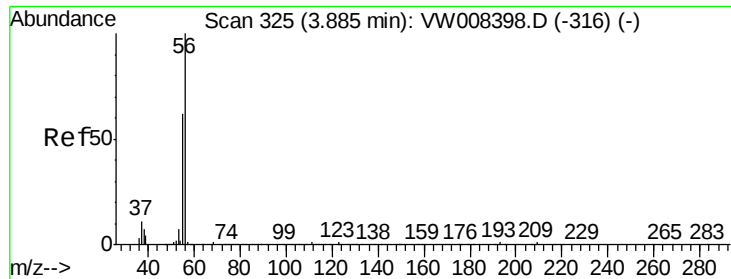


#11

Tert butyl alcohol
Concen: 4.917 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008484.D
Acq: 01 Feb 2019 16:23

Tgt Ion: 59 Resp: 1014
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

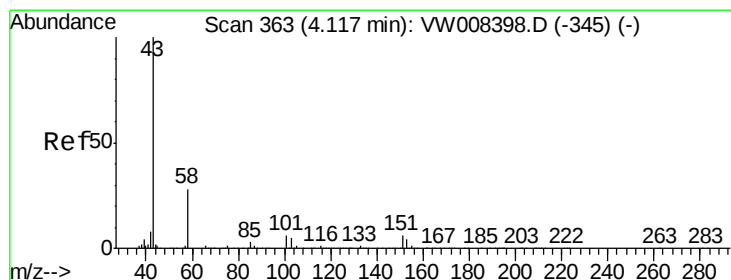
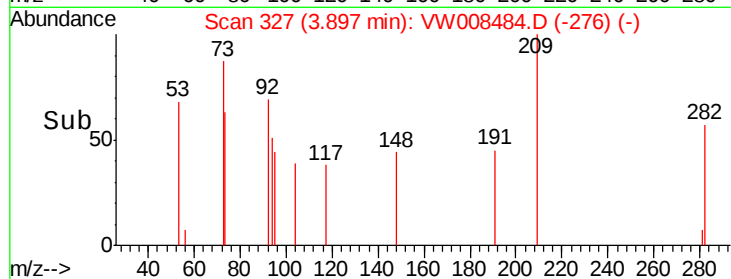
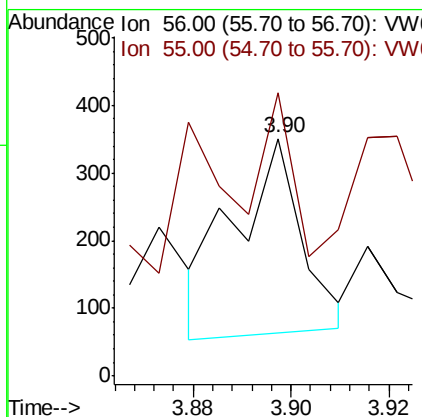
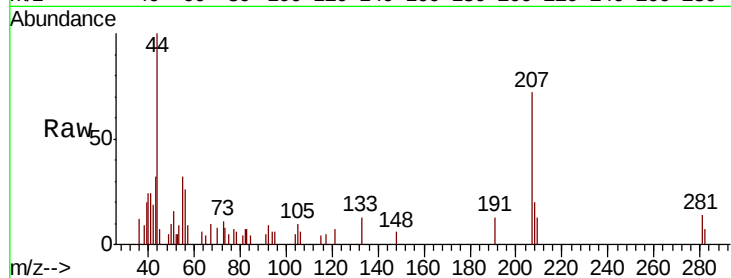




#13
Acrolein
Concen: 5.677 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW008484.D
Acq: 01 Feb 2019 16:23

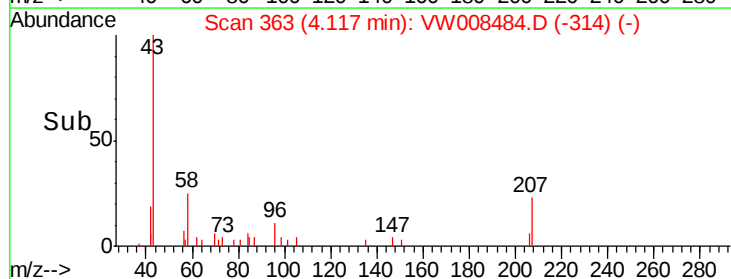
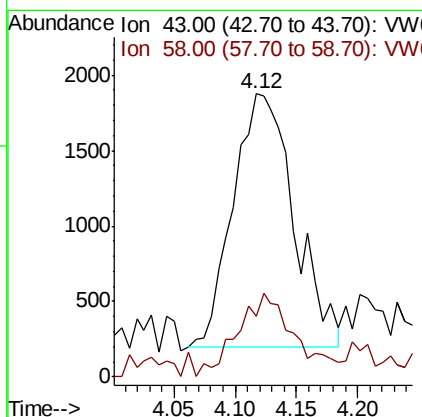
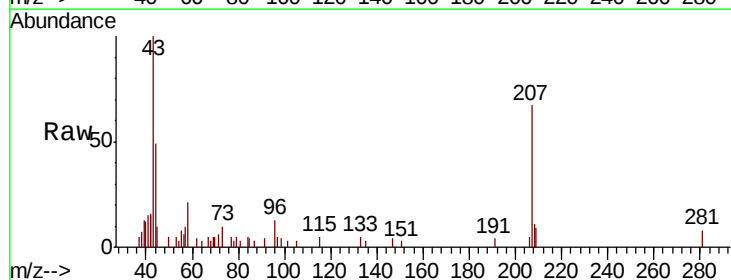
Instrument :
MSVOA_W
ClientSampled :
DUP-01-30-19

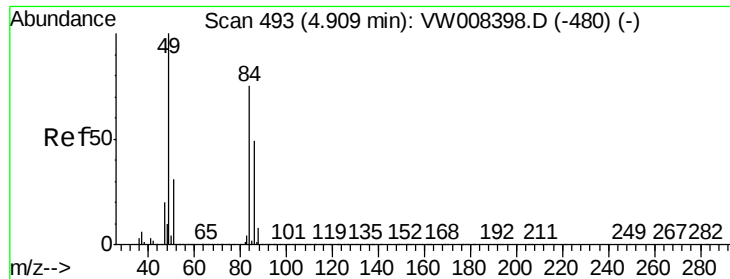
Tgt Ion: 56 Resp: 276
Ion Ratio Lower Upper
56 100
55 58.7 56.7 85.1



#16
Acetone
Concen: 10.120 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW008484.D
Acq: 01 Feb 2019 16:23

Tgt Ion: 43 Resp: 5821
Ion Ratio Lower Upper
43 100
58 17.9 22.6 34.0#

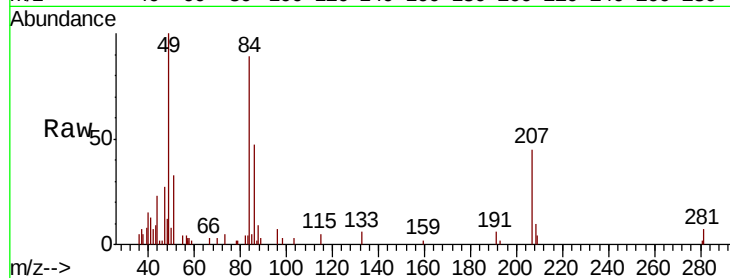




#20
Methylene Chloride
Concen: 3.389 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008484.D
Acq: 01 Feb 2019 16:23

Instrument :
MSVOA_W
ClientSampled :
DUP-01-30-19

Tgt Ion:	84	Resp:	8984
Ion	Ratio	Lower	Upper
84	100		
49	110.2	106.8	160.2
51	33.8	32.9	49.3
86	52.8	52.2	78.2



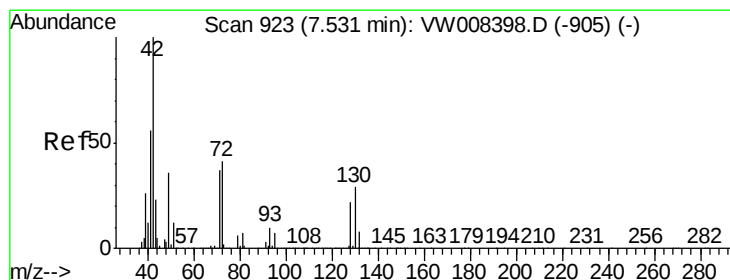
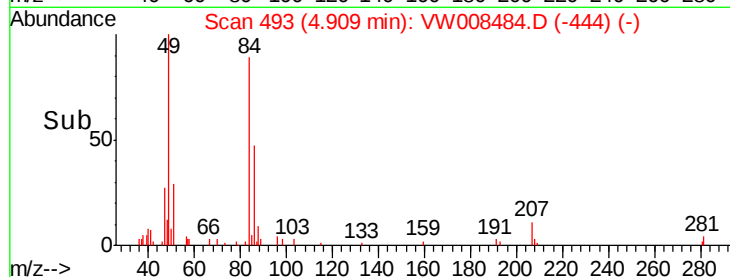
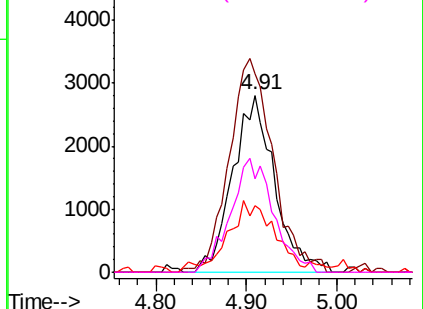
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

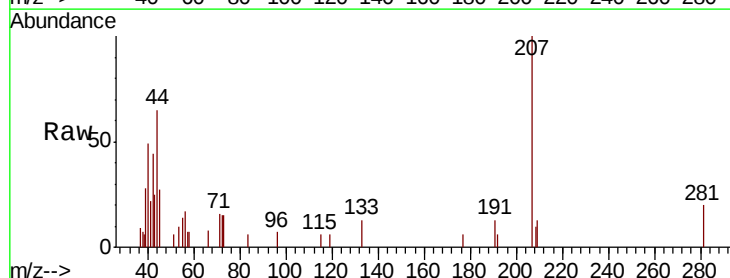
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#29
Tetrahydrofuran
Concen: 1.892 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008484.D
Acq: 01 Feb 2019 16:23

Tgt Ion:	42	Resp:	958
Ion	Ratio	Lower	Upper
42	100		
72	14.7	31.9	47.9#
71	45.4	29.9	44.9#

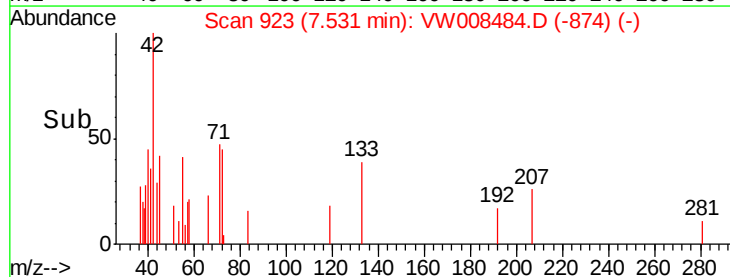
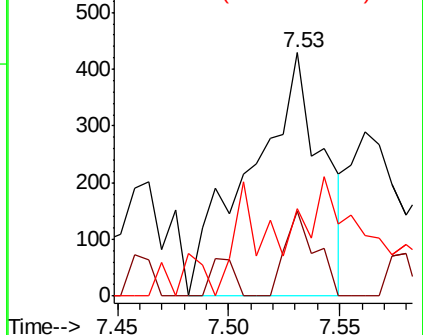


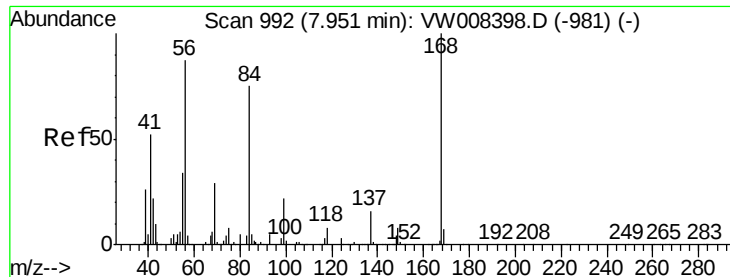
Abundance

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

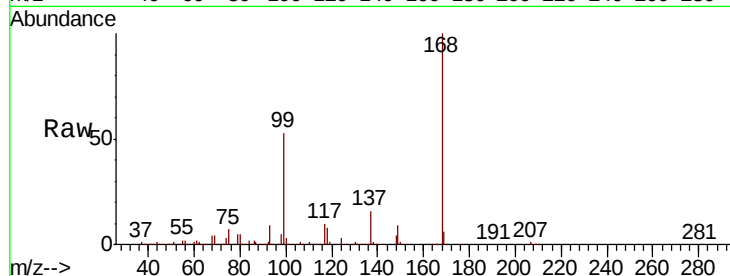




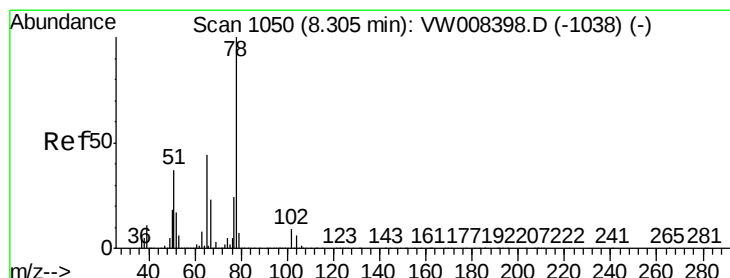
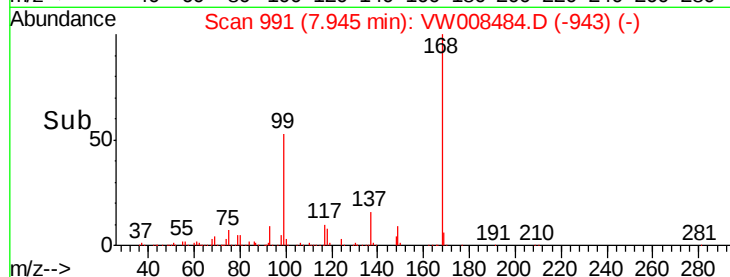
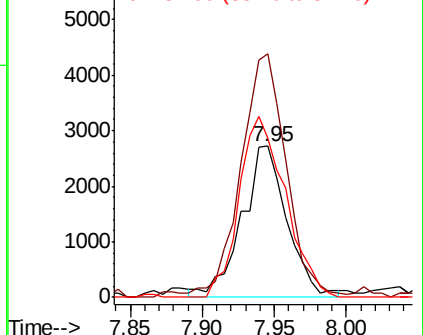
#31
Cyclohexane
Concen: 1.179 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008484.D
Acq: 01 Feb 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
DUP-01-30-19

Tgt Ion: 56 Resp: 5927
Ion Ratio Lower Upper
56 100
69 165.9 26.4 39.6#
84 110.6 69.1 103.7#

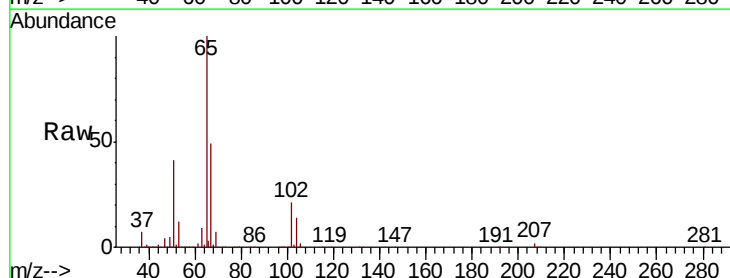


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

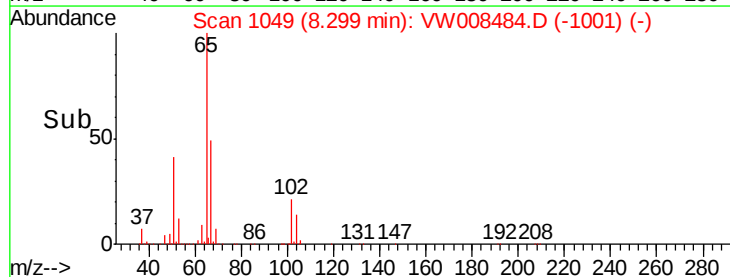
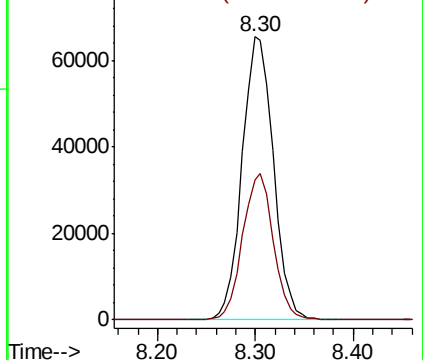


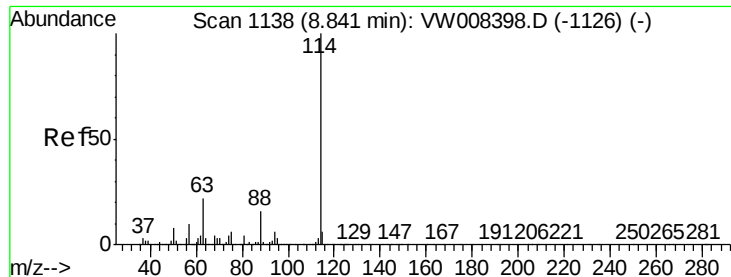
#33
1,2-Dichloroethane-d4
Concen: 56.722 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW008484.D
Acq: 01 Feb 2019 16:23

Tgt Ion: 65 Resp: 145292
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.0



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

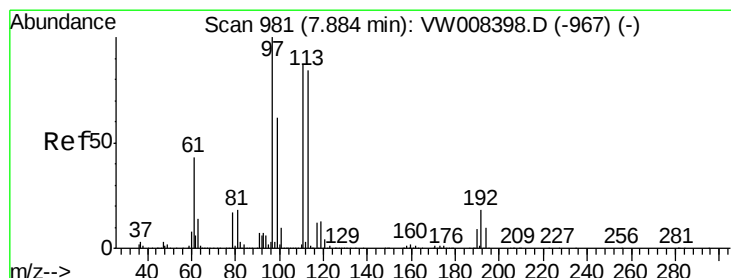
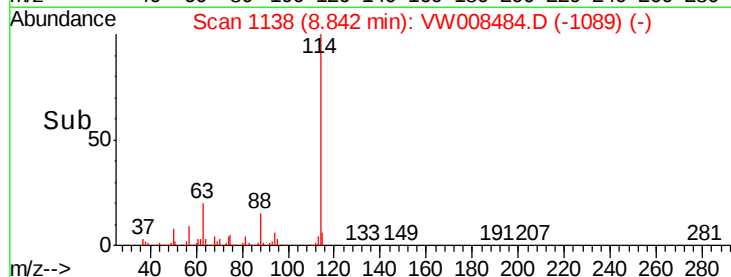
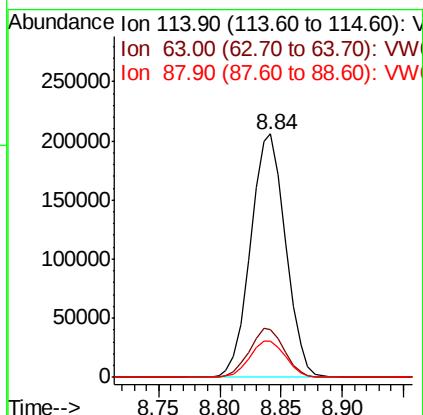
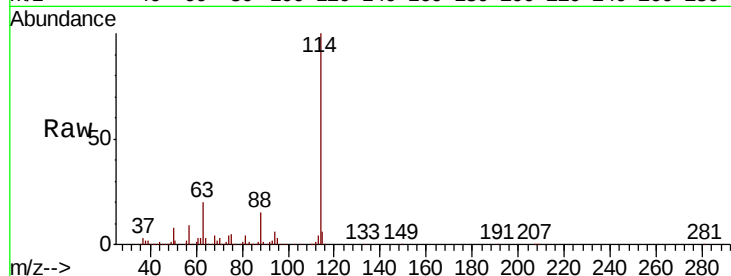




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008484.D
 Acq: 01 Feb 2019 16:23

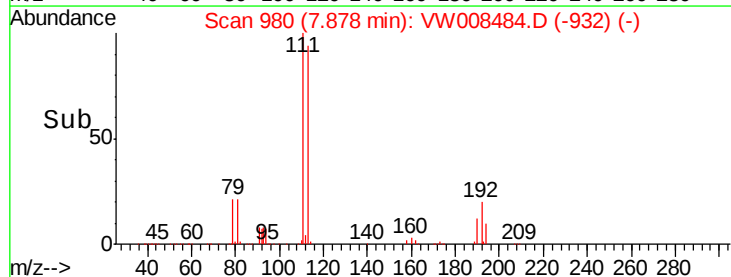
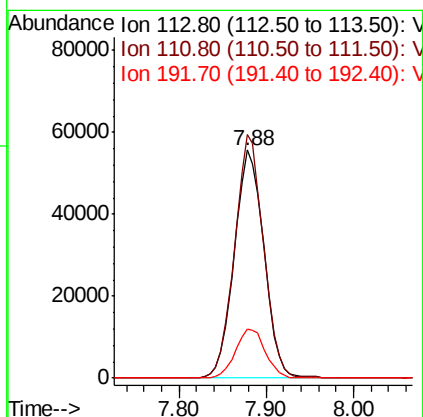
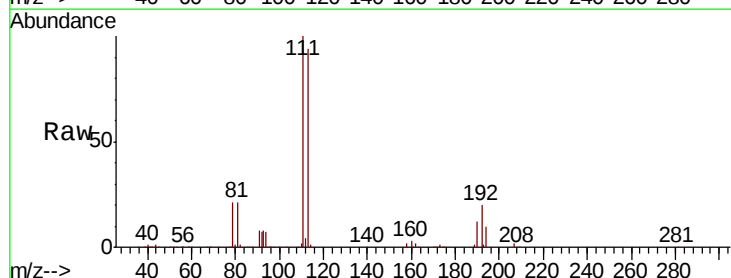
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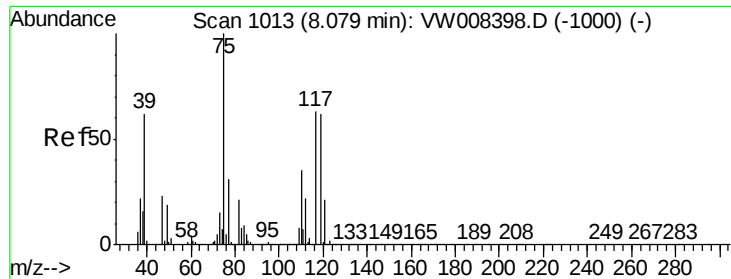
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	43.6
88	15.0	0.0	31.8



#35
 Dibromofluoromethane
 Concen: 54.734 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008484.D
 Acq: 01 Feb 2019 16:23

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.0	121.4
192	21.7	16.8	25.2

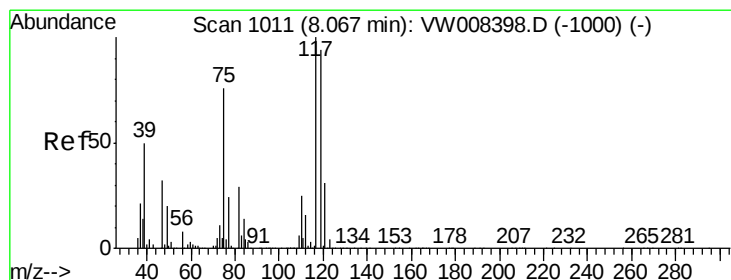
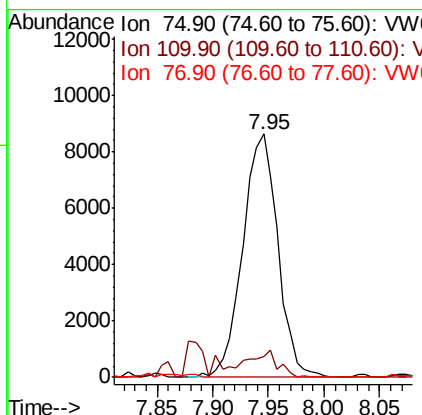
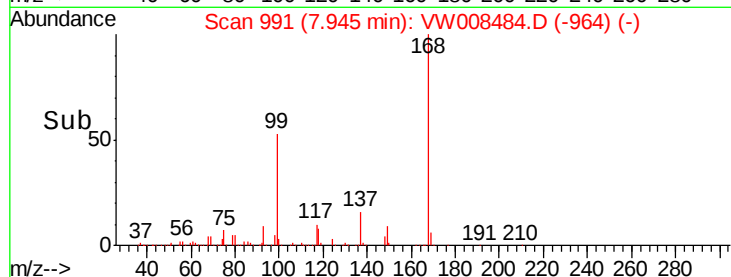
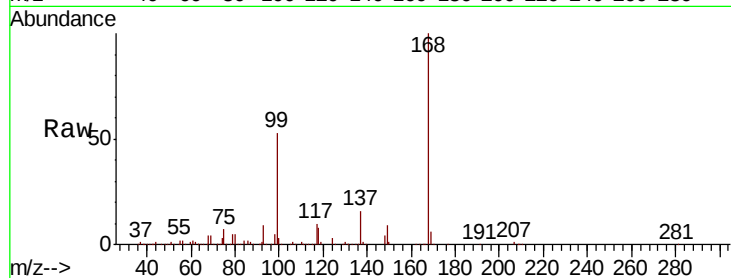




#36
 1,1-Dichloropropene
 Concen: 4.895 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008484.D
 Acq: 01 Feb 2019 16:23

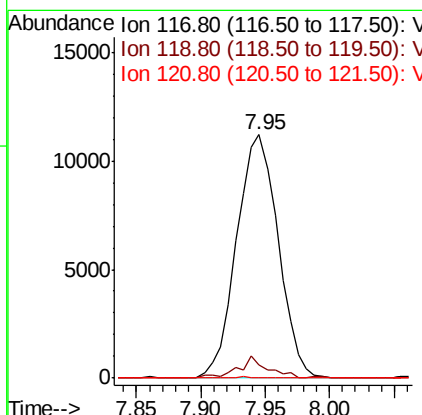
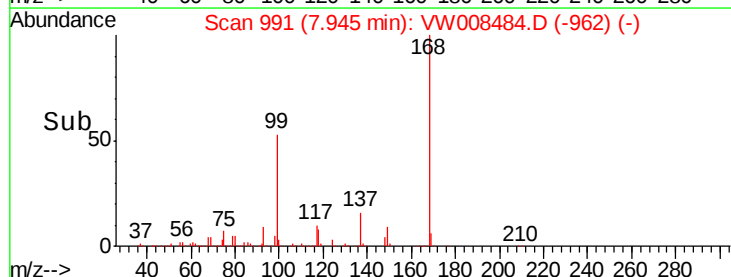
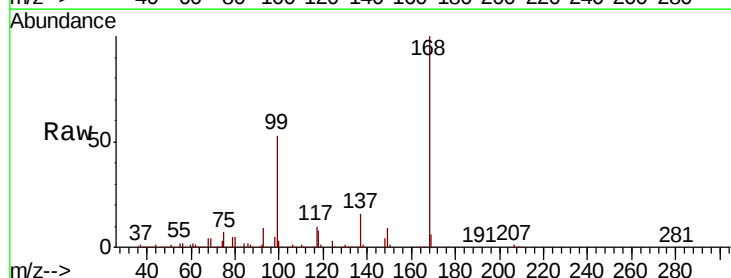
Instrument :
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 ClientSampleId :
 DUP-01-30-19

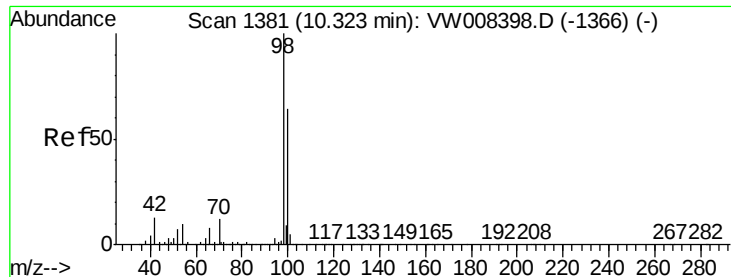
Tgt Ion: 75 Resp: 18978
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.3 52.0#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.429 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008484.D
 Acq: 01 Feb 2019 16:23

Tgt Ion: 117 Resp: 25082
 Ion Ratio Lower Upper
 117 100
 119 5.2 75.0 112.4#
 121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 50.809 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008484.D

Acq: 01 Feb 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

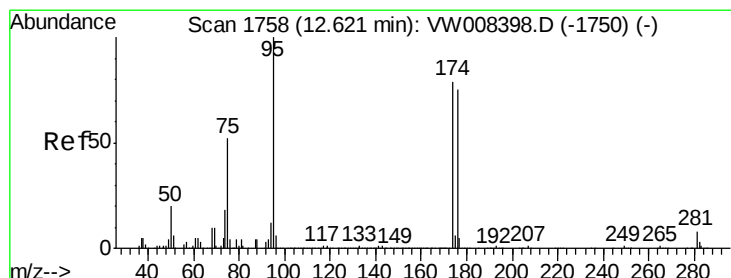
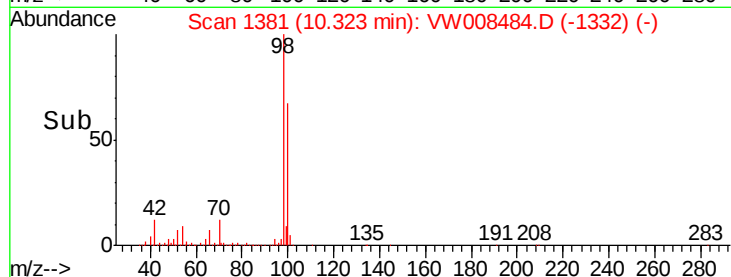
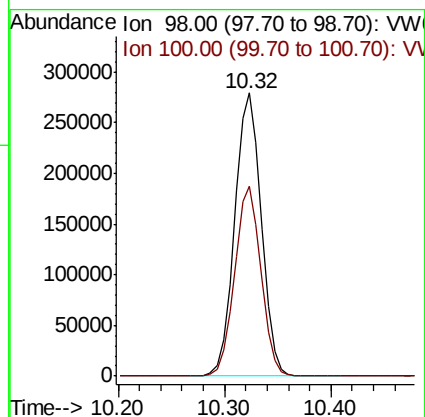
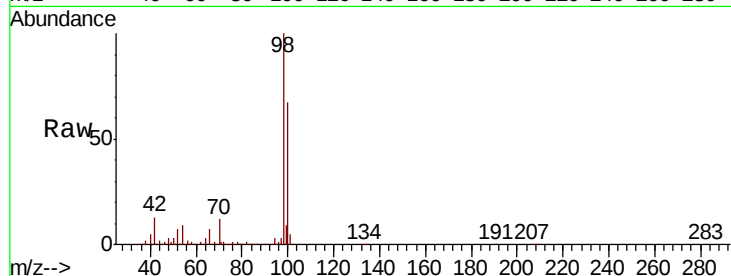
DUP-01-30-19

Tgt Ion: 98 Resp: 488939

Ion Ratio Lower Upper

98 100

100 66.3 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 49.055 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008484.D

Acq: 01 Feb 2019 16:23

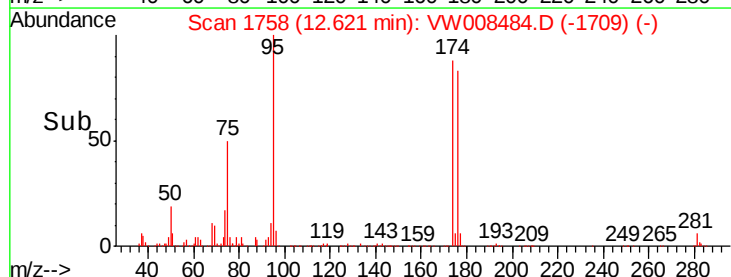
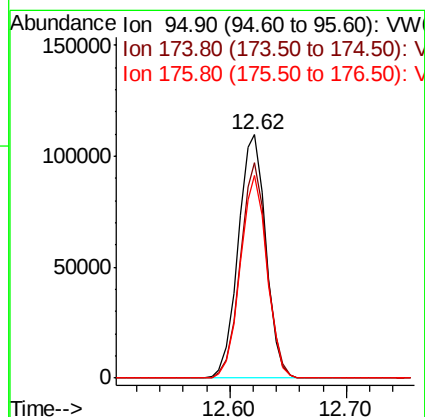
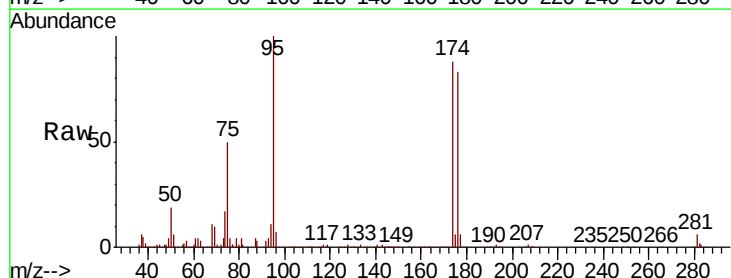
Tgt Ion: 95 Resp: 181452

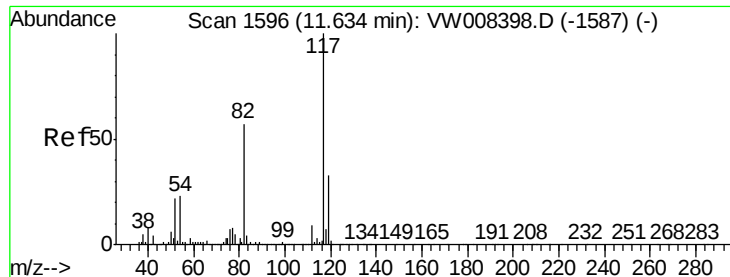
Ion Ratio Lower Upper

95 100

174 85.0 0.0 157.6

176 80.6 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008484.D

Acq: 01 Feb 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

DUP-01-30-19

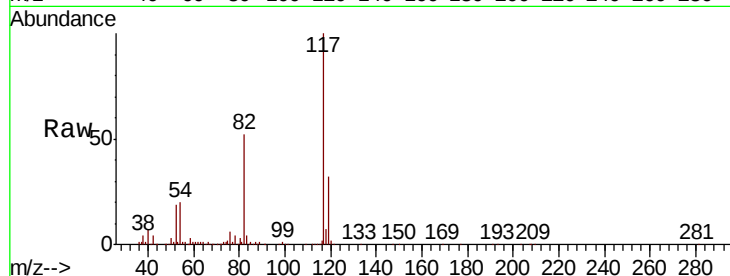
Tgt Ion:117 Resp: 372772

Ion Ratio Lower Upper

117 100

82 51.6 45.4 68.0

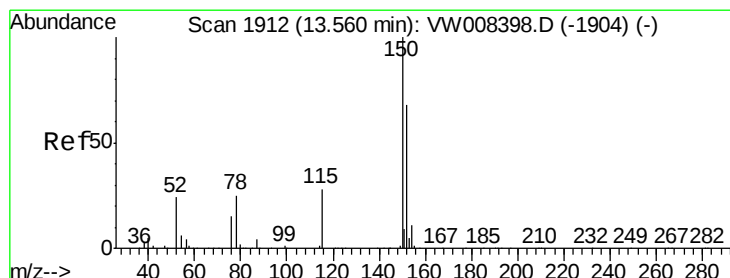
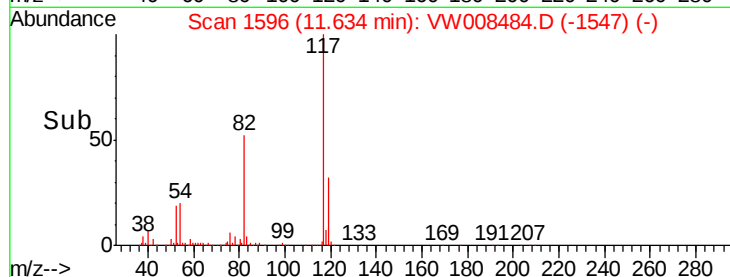
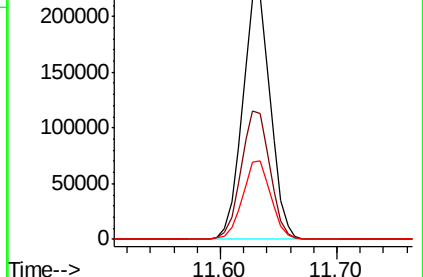
119 32.3 26.2 39.4



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: VW008484.D

Acq: 01 Feb 2019 16:23

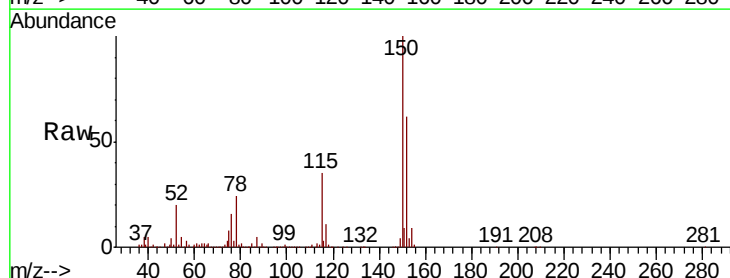
Tgt Ion:152 Resp: 181854

Ion Ratio Lower Upper

152 100

115 57.5 29.9 89.7

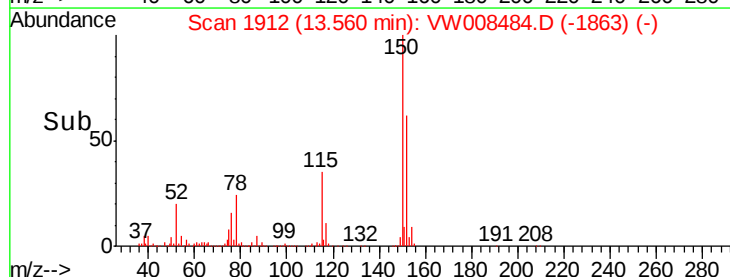
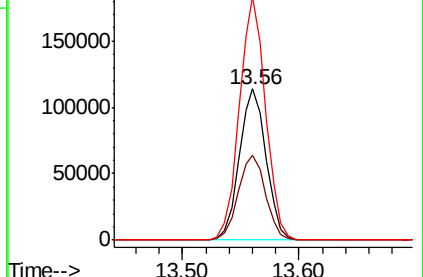
150 157.5 0.0 351.4

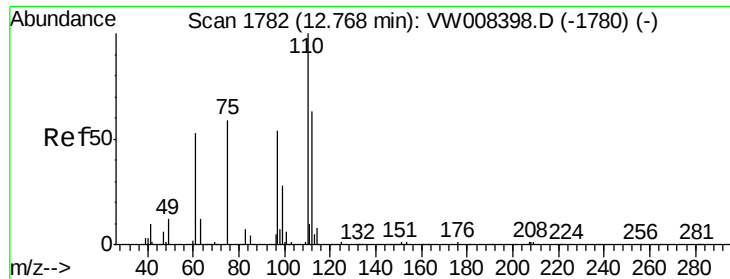


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 57.475 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008484.D

Acq: 01 Feb 2019 16:23

Instrument :

MSVOA_W

ClientSampled :

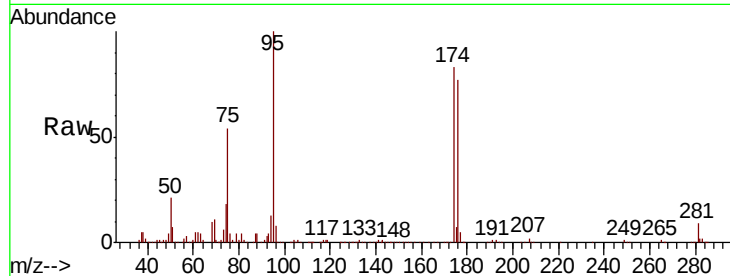
DUP-01-30-19

Tgt Ion: 75 Resp: 90873

Ion Ratio Lower Upper

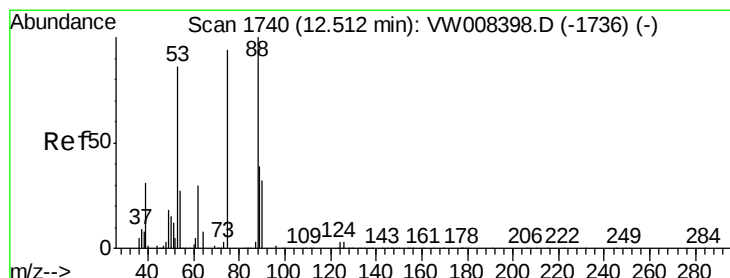
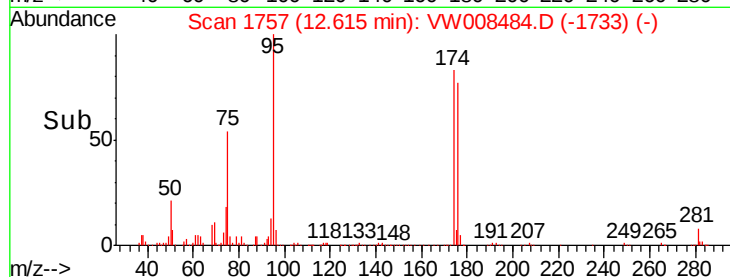
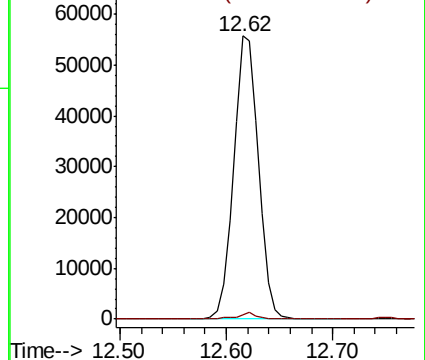
75 100

77 1.7 180.7 542.1#



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: 113.517 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008484.D

Acq: 01 Feb 2019 16:23

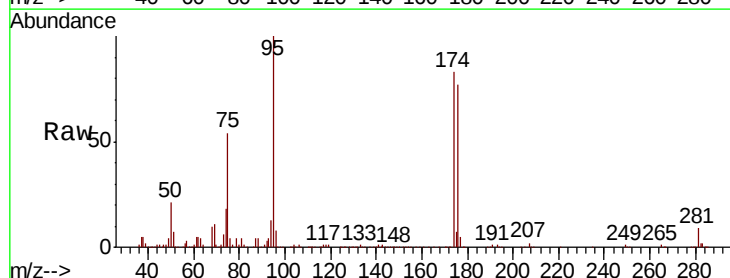
Tgt Ion: 75 Resp: 90873

Ion Ratio Lower Upper

75 100

53 0.3 76.0 114.0#

89 0.2 35.4 53.0#



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

