

Data File : VW008805.D
Acq On : 25 Feb 2019 14:30
Operator : SY/VA
Sample : K1596-07
Misc : 4.56G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VOC-13

Quant Time: Feb 26 03:42:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	357919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	548822	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	451553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	152659	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	195407	58.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.42%	
35) Dibromofluoromethane	7.88	113	146209	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	
50) Toluene-d8	10.32	98	639694	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.62	95	189587	38.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.14%	

Target Compounds

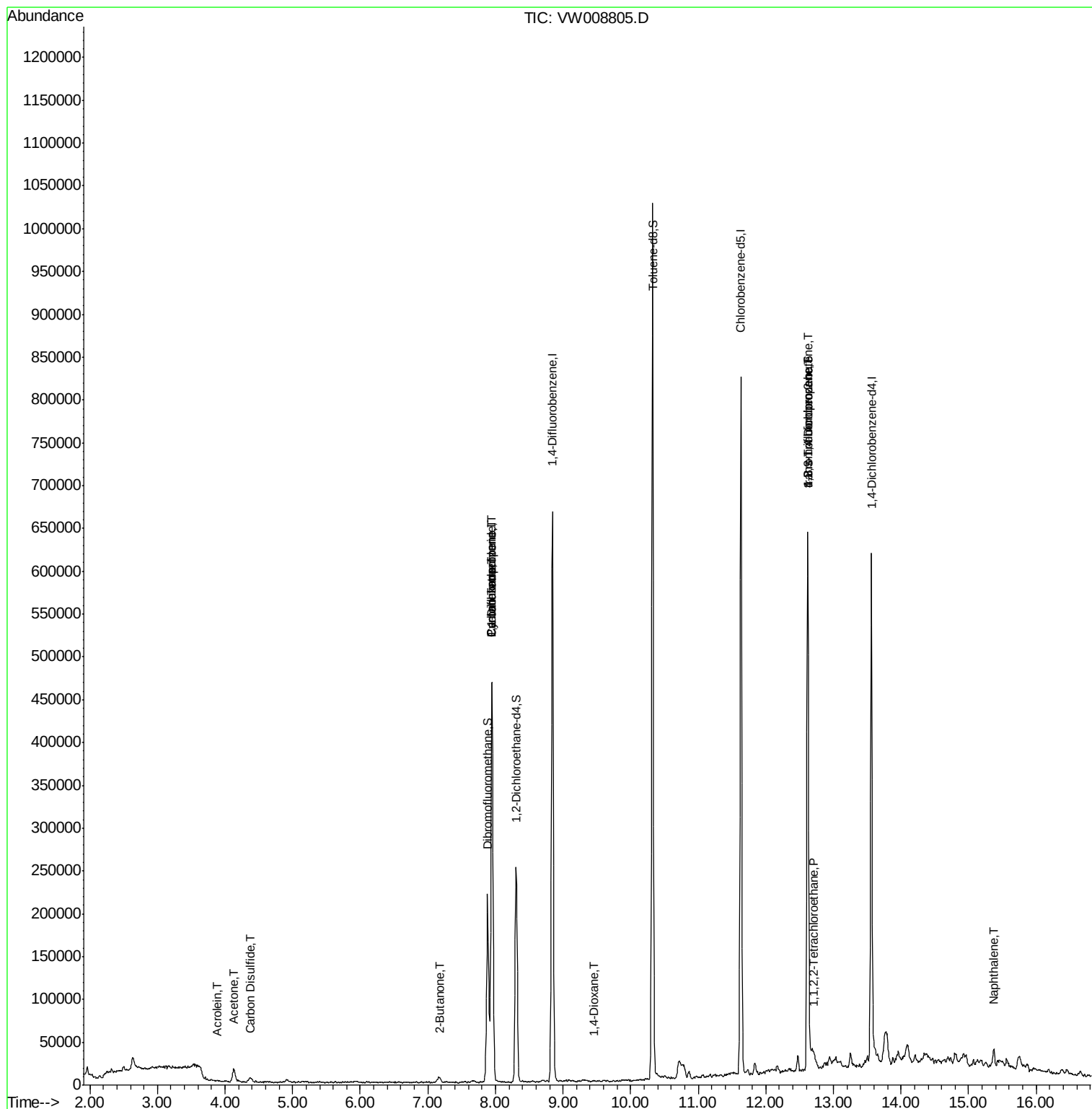
						Qvalue
13) Acrolein	3.87	56	287	20.618	ug/l #	68
16) Acetone	4.12	43	26802	34.445	ug/l	93
17) Carbon Disulfide	4.37	76	10646	1.024	ug/l	95
20) Methylene Chloride	4.90	84	769	Below Cal	#	71
25) 2-Butanone	7.18	43	5912	5.435	ug/l	99
31) Cyclohexane	7.95	56	7715	1.219	ug/l #	36
36) 1,1-Dichloropropene	7.95	75	26874	5.030	ug/l #	42
38) Carbon Tetrachloride	7.95	117	34949	6.203	ug/l #	15
49) 1,4-Dioxane	9.45	88	56	1.744	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.70	83	3583	2.095	ug/l #	32
76) 1,2,3-Trichloropropane	12.62	75	97829	77.617	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	97829	188.693	ug/l #	7
95) Naphthalene	15.38	128	13898	2.478	ug/l #	85

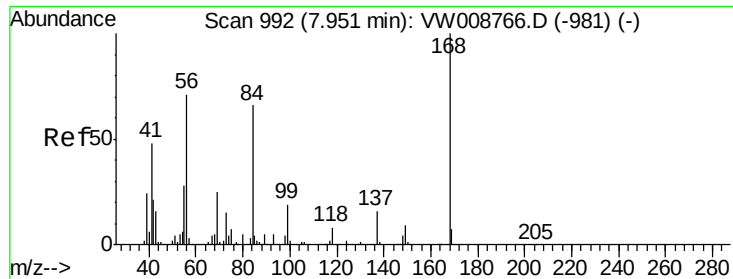
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008805.D

Acq: 25 Feb 2019 14:30

Instrument :

MSVOA_W

ClientSampleId :

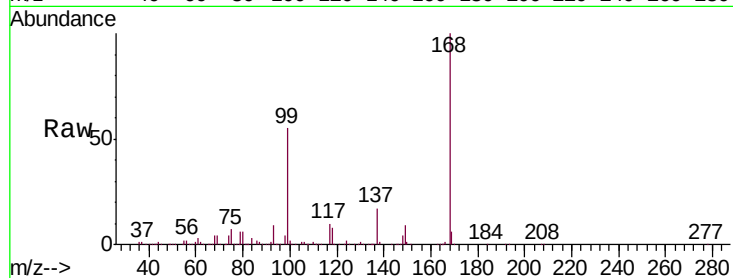
VOC-13

Tgt Ion:168 Resp: 357919

Ion Ratio Lower Upper

168 100

99 54.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

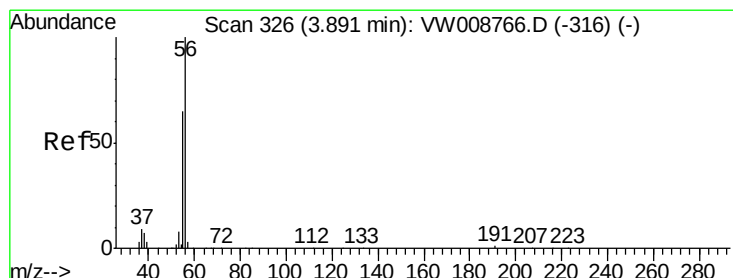
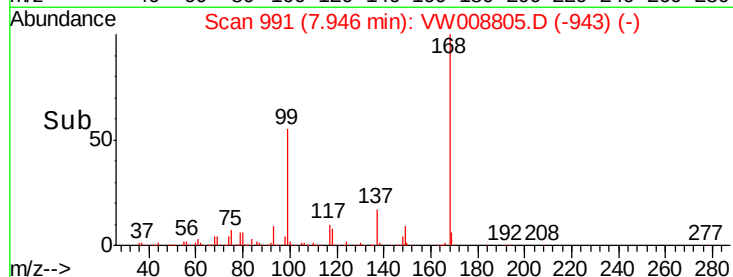
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 20.618 ug/l

RT: 3.87 min Scan# 323

Delta R.T. -0.02 min

Lab File: VW008805.D

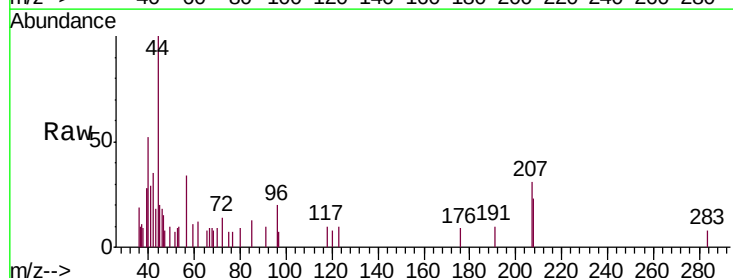
Acq: 25 Feb 2019 14:30

Tgt Ion: 56 Resp: 287

Ion Ratio Lower Upper

56 100

55 97.9 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

300

250

200

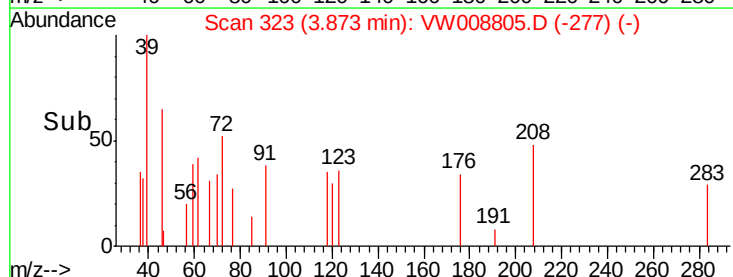
150

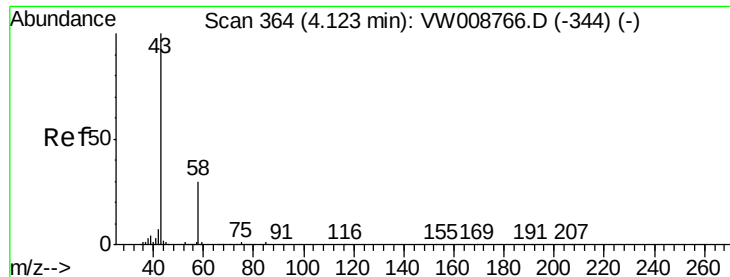
100

50

0

Time-->





#16

Acetone

Concen: 34.445 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW008805.D

Acq: 25 Feb 2019 14:30

Instrument :

MSVOA_W

ClientSampleId :

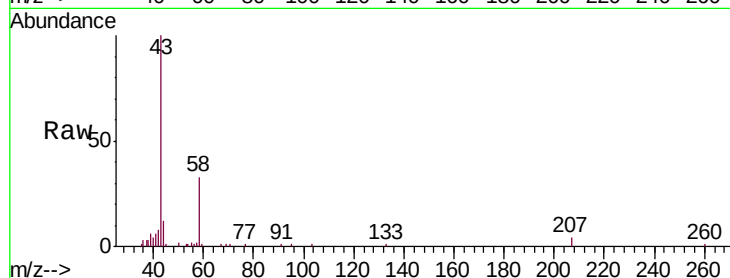
VOC-13

Tgt Ion: 43 Resp: 26802

Ion Ratio Lower Upper

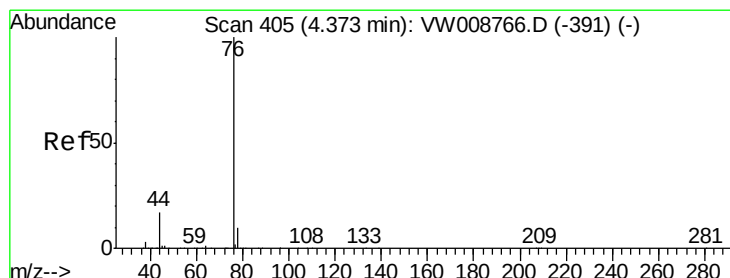
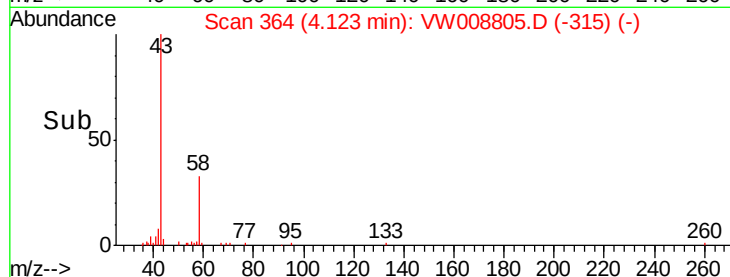
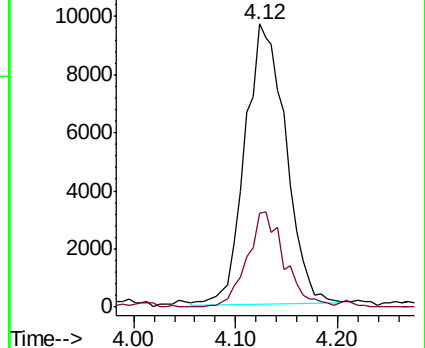
43 100

58 33.4 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 1.024 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008805.D

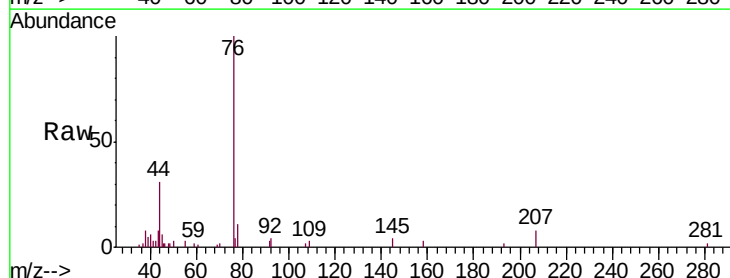
Acq: 25 Feb 2019 14:30

Tgt Ion: 76 Resp: 10646

Ion Ratio Lower Upper

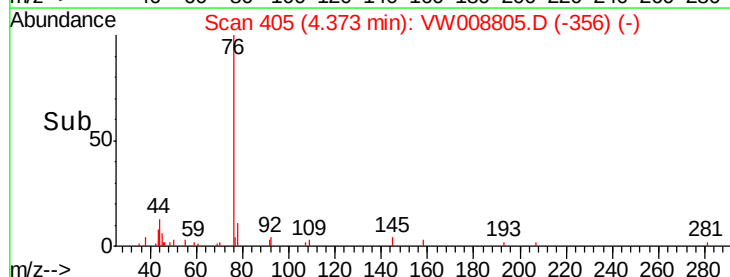
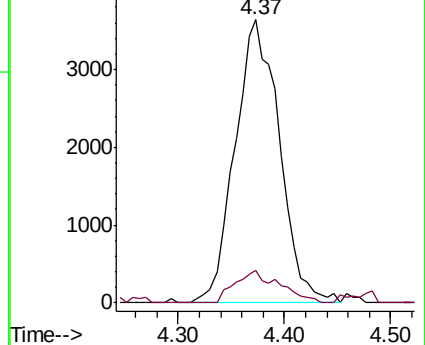
76 100

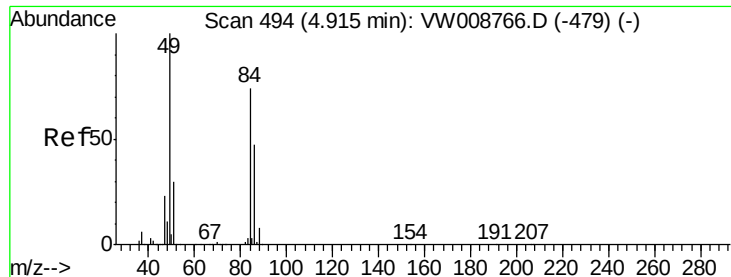
78 11.5 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

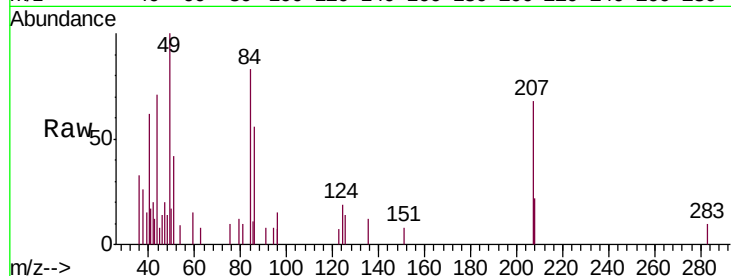




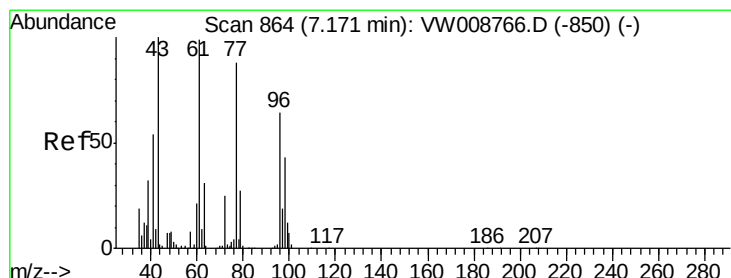
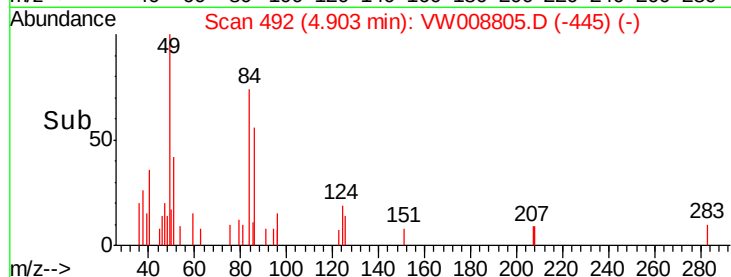
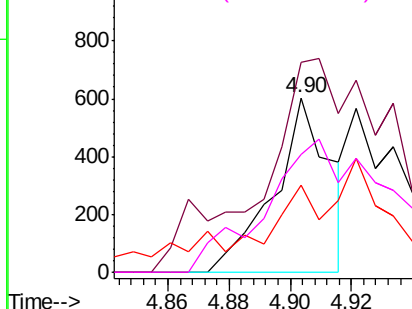
#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008805.D
Acq: 25 Feb 2019 14:30

Instrument :
MSVOA_W
ClientSampleId :
VOC-13

Tgt Ion: 84 Resp: 769
Ion Ratio Lower Upper
84 100
49 78.3 108.2 162.2#
51 38.1 32.7 49.1
86 67.4 50.3 75.5

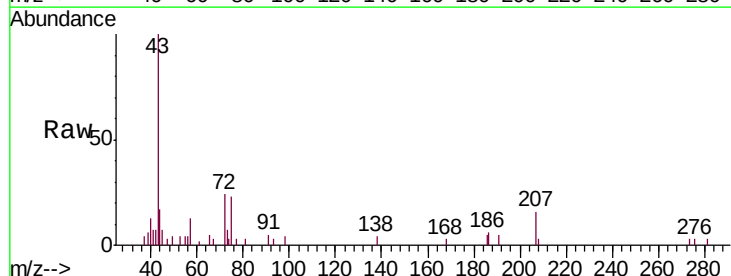


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

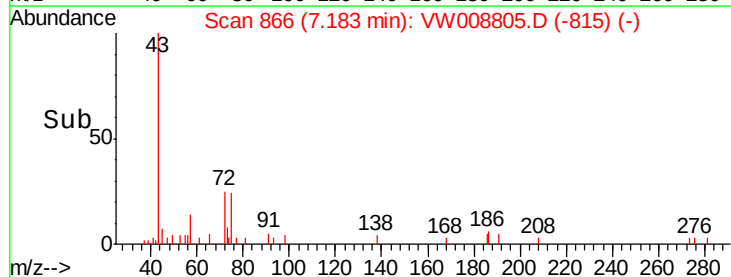
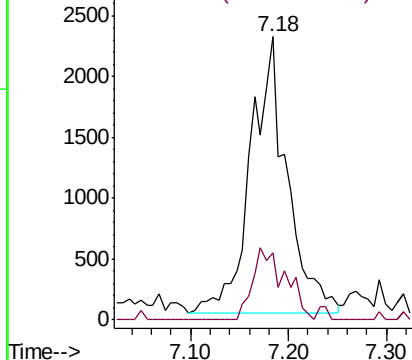


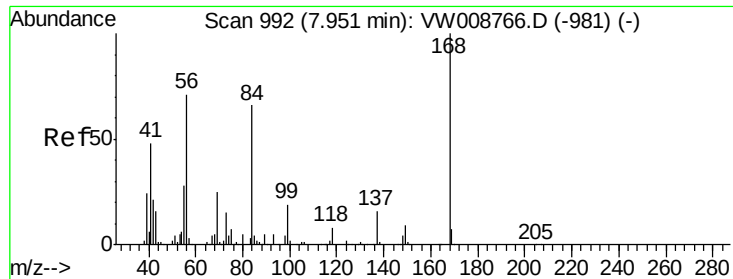
#25
2-Butanone
Concen: 5.435 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW008805.D
Acq: 25 Feb 2019 14:30

Tgt Ion: 43 Resp: 5912
Ion Ratio Lower Upper
43 100
72 24.1 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

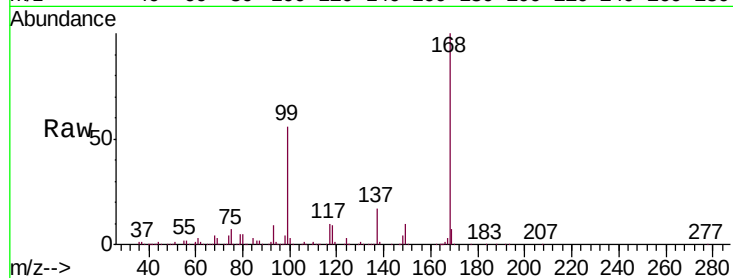




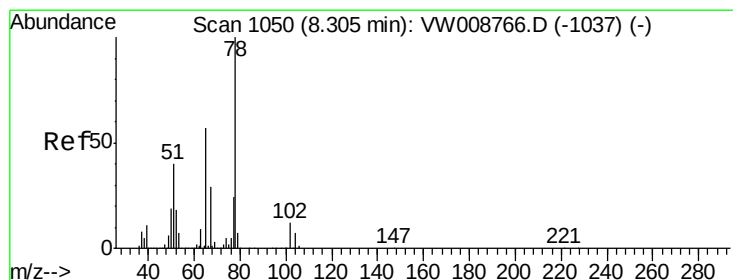
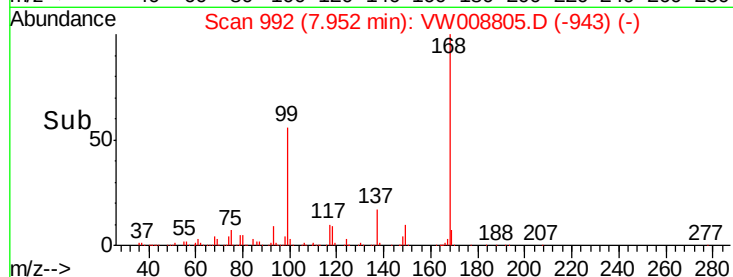
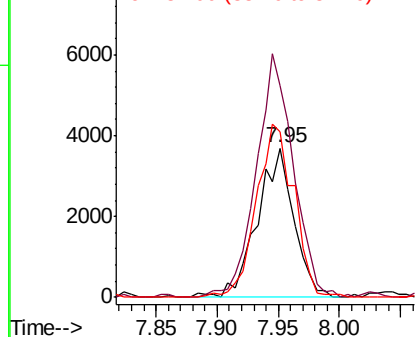
#31
Cyclohexane
Concen: 1.219 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008805.D
Acq: 25 Feb 2019 14:30

Instrument :
MSVOA_W
ClientSampleId :
VOC-13

Tgt Ion: 56 Resp: 7715
Ion Ratio Lower Upper
56 100
69 141.1 28.2 42.4#
84 111.0 74.1 111.1

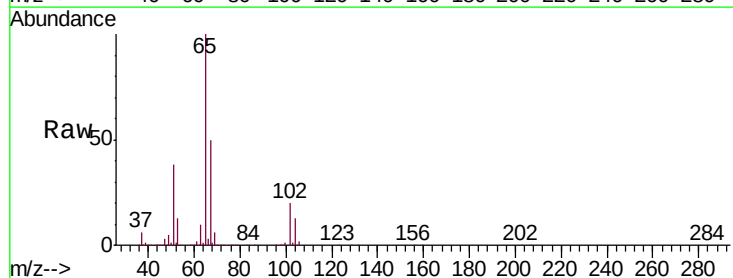


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

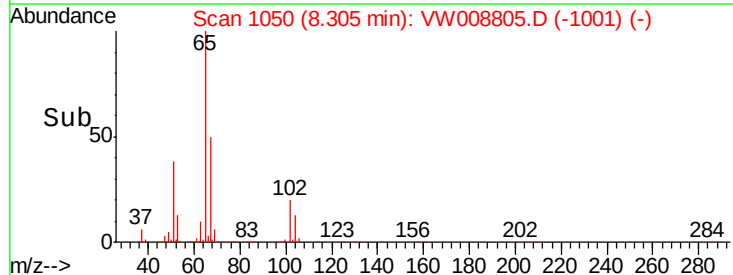
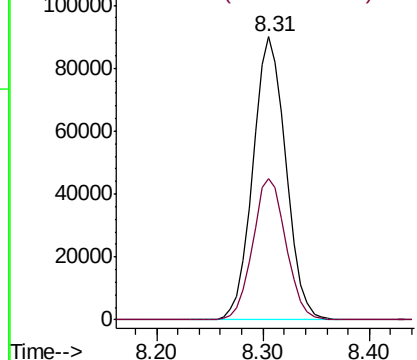


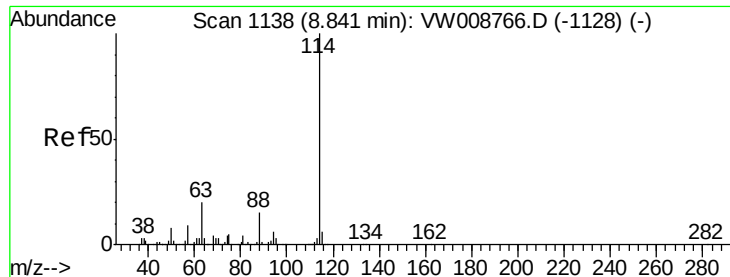
#33
1,2-Dichloroethane-d4
Concen: 58.209 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008805.D
Acq: 25 Feb 2019 14:30

Tgt Ion: 65 Resp: 195407
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.4



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# 1138

Delta R.T. 0.00 min

Lab File: VW008805.D

Acq: 25 Feb 2019 14:30

Instrument :

MSVOA_W

ClientSampleId :

VOC-13

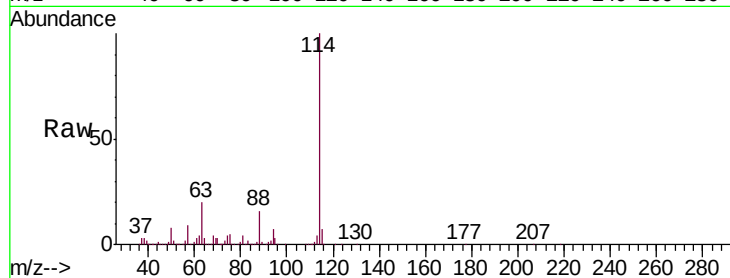
Tgt Ion:114 Resp: 548822

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

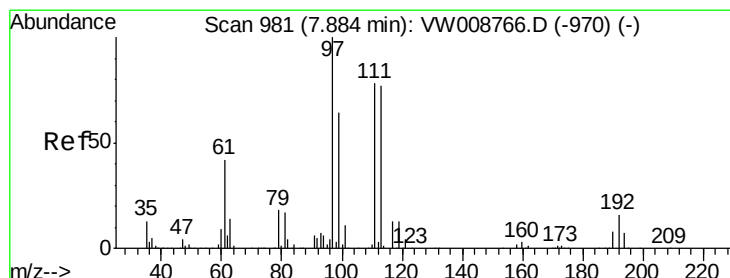
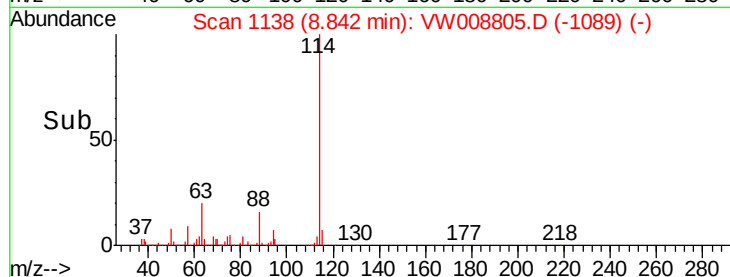
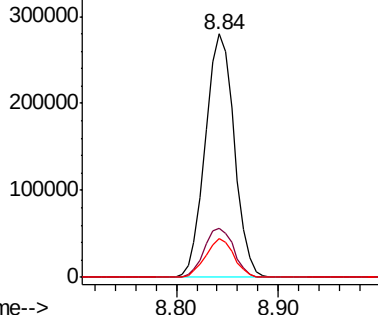
88 15.9 0.0 30.4



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: 44.370 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008805.D

Acq: 25 Feb 2019 14:30

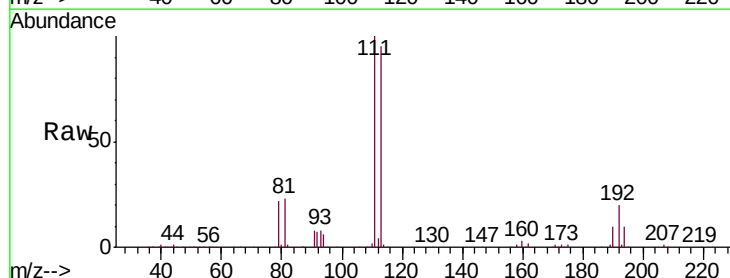
Tgt Ion:113 Resp: 146209

Ion Ratio Lower Upper

113 100

111 102.1 81.9 122.9

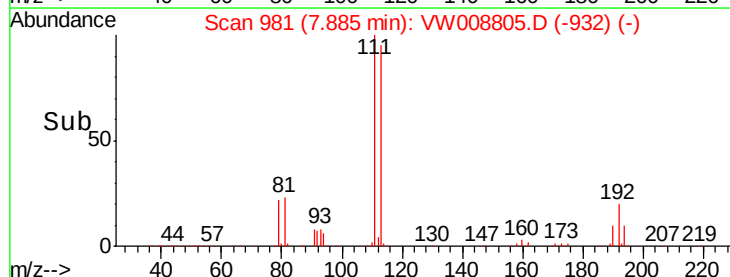
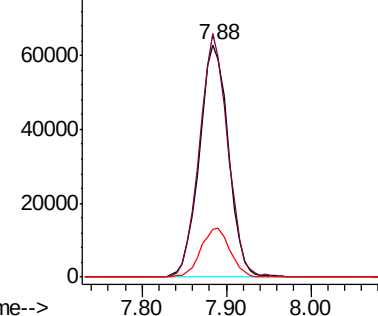
192 21.3 17.1 25.7

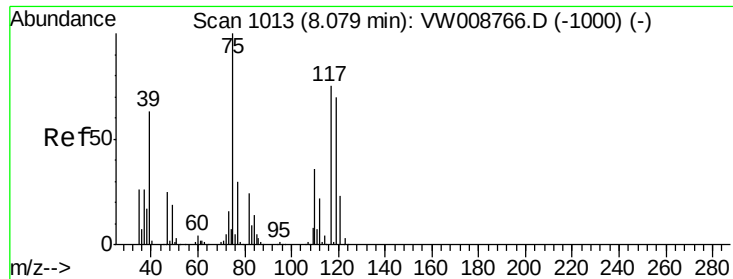


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

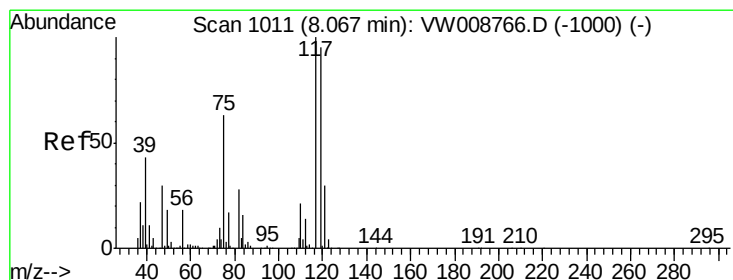
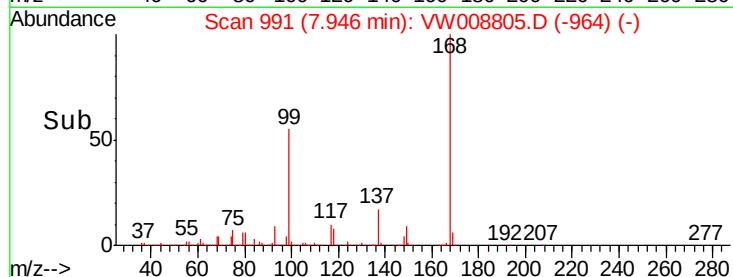
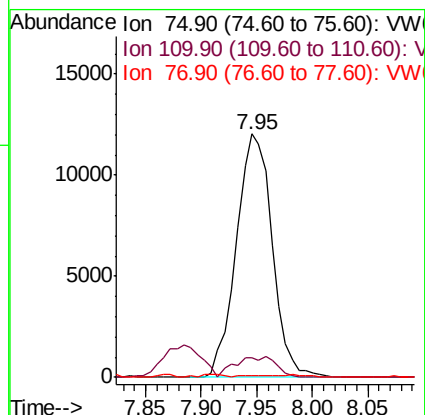
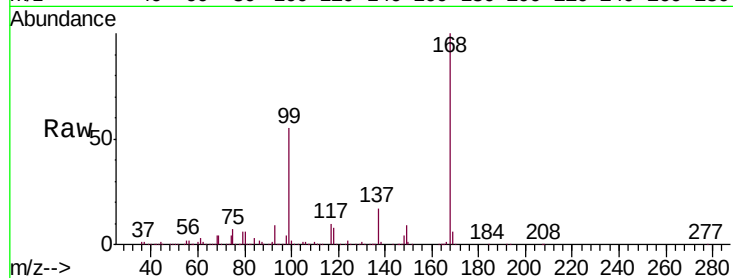




#36
 1,1-Dichloropropene
 Concen: 5.030 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008805.D
 Acq: 25 Feb 2019 14:30

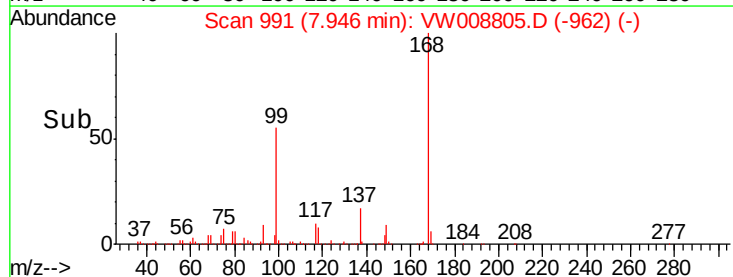
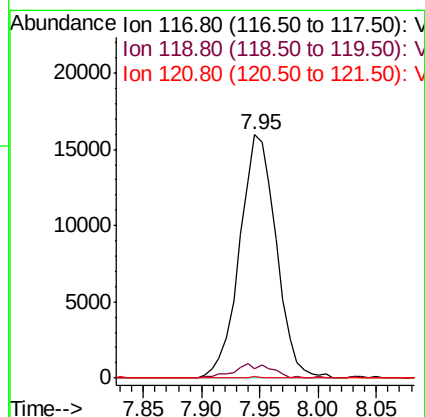
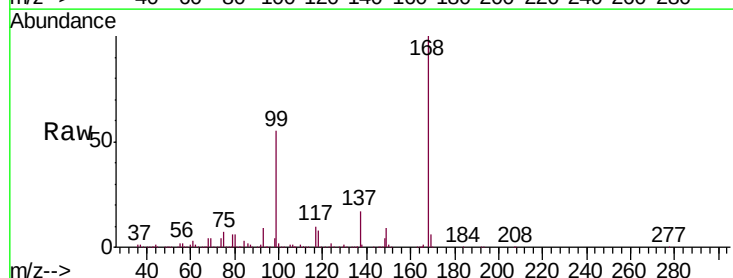
Instrument :
 MSVOA_W
 ClientSampleId :
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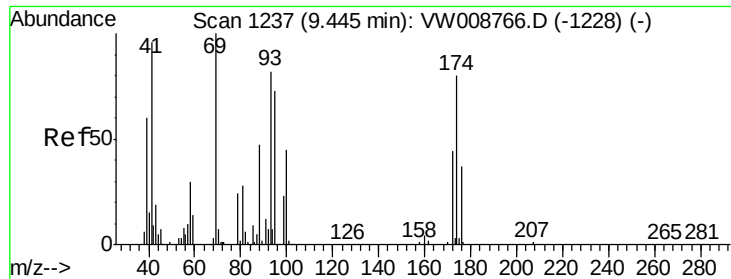
Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.5	52.6#
77	0.4	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.203 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008805.D
 Acq: 25 Feb 2019 14:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.7	76.1	114.1#
121	0.5	24.0	36.0#

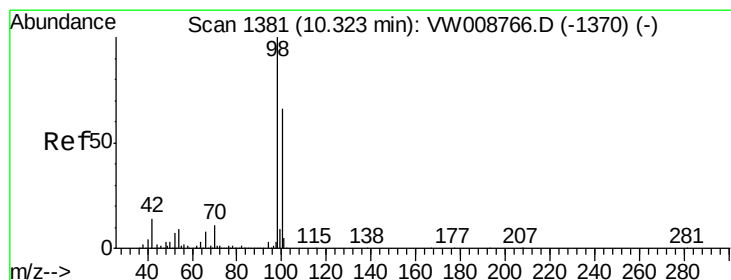
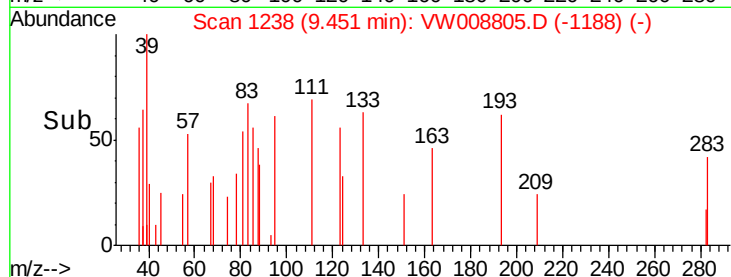
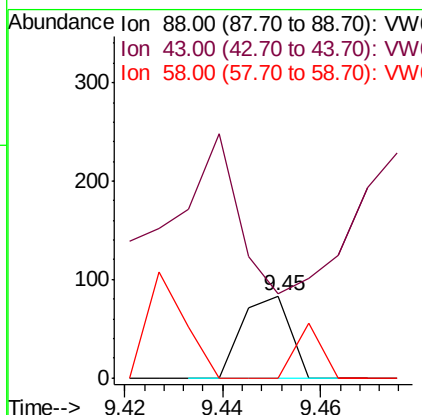
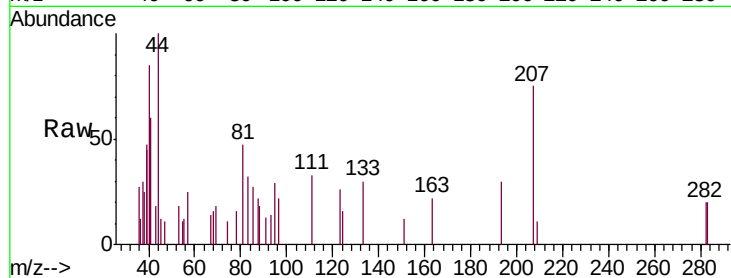




#49
1,4-Dioxane
Concen: 1.744 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008805.D
Acq: 25 Feb 2019 14:30

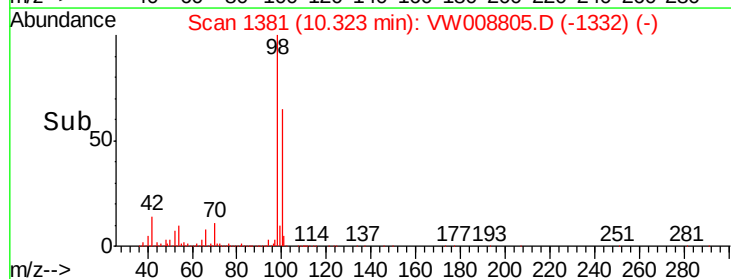
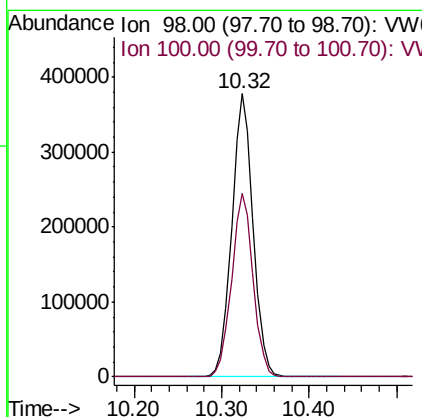
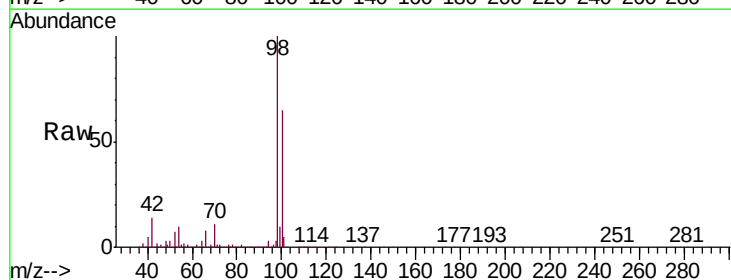
Instrument :
MSVOA_W
ClientSampleID :
VOC-13

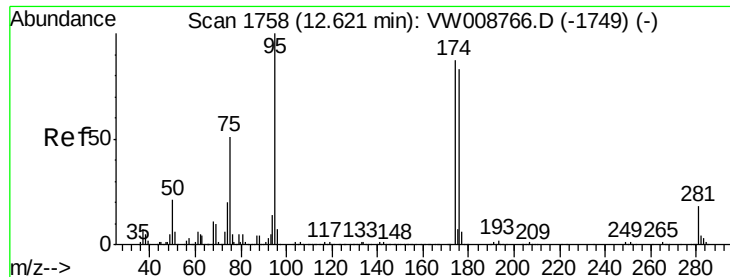
Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 0.0 29.0 43.4#
58 35.7 52.0 78.0#



#50
Toluene-d8
Concen: 50.289 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008805.D
Acq: 25 Feb 2019 14:30

Tgt Ion: 98 Resp: 639694
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6

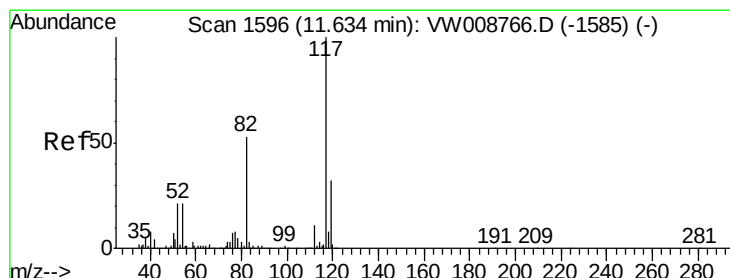
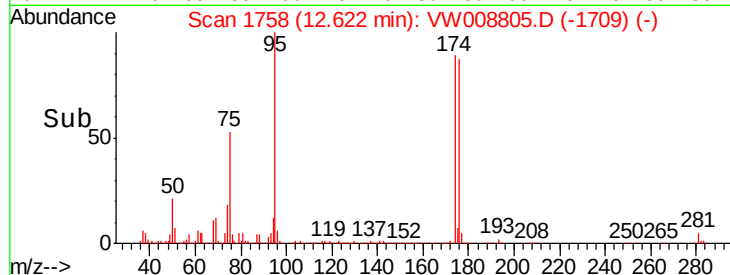
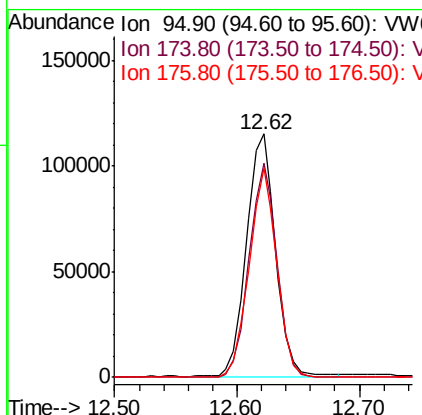
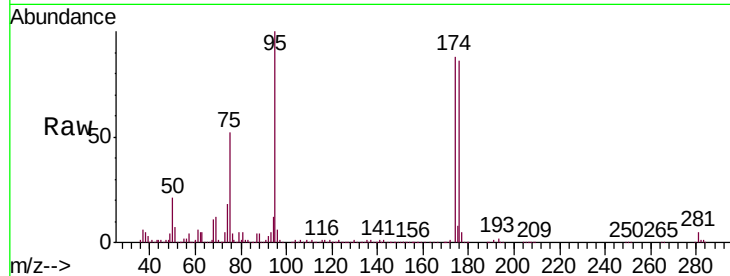




#62
4-Bromofluorobenzene
Concen: 38.065 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008805.D
Acq: 25 Feb 2019 14:30

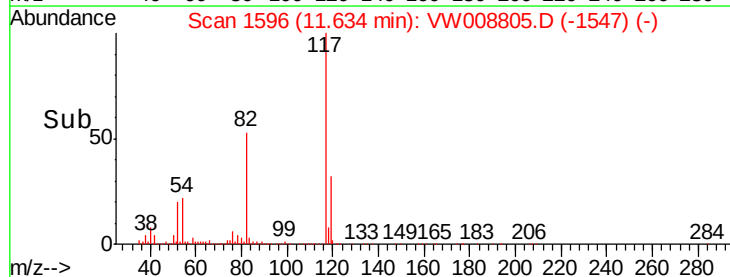
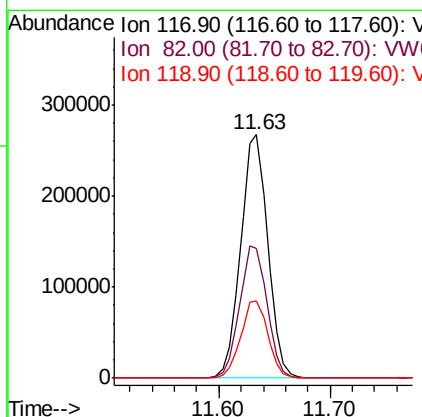
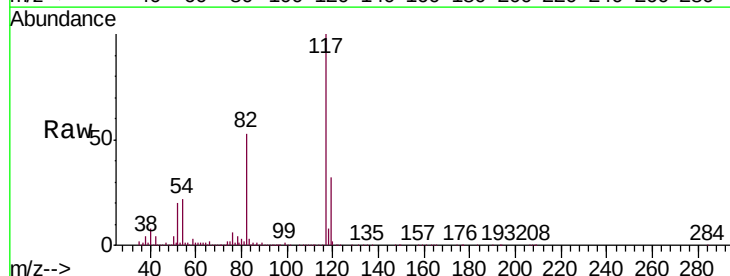
Instrument :
MSVOA_W
ClientSampleId :
VOC-13

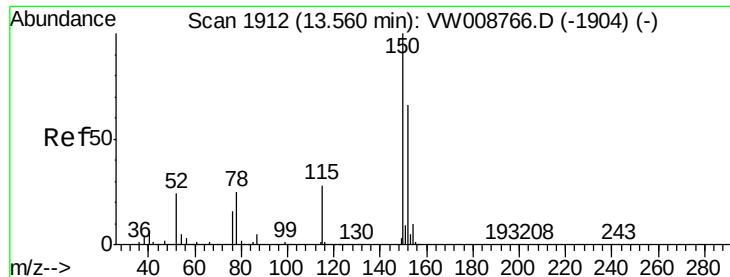
Tgt Ion: 95 Resp: 189587
Ion Ratio Lower Upper
95 100
174 84.9 0.0 169.2
176 81.9 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008805.D
Acq: 25 Feb 2019 14:30

Tgt Ion: 117 Resp: 451553
Ion Ratio Lower Upper
117 100
82 53.2 42.2 63.4
119 31.8 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008805.D

Acq: 25 Feb 2019 14:30

Instrument :

MSVOA_W

ClientSampleId :

VOC-13

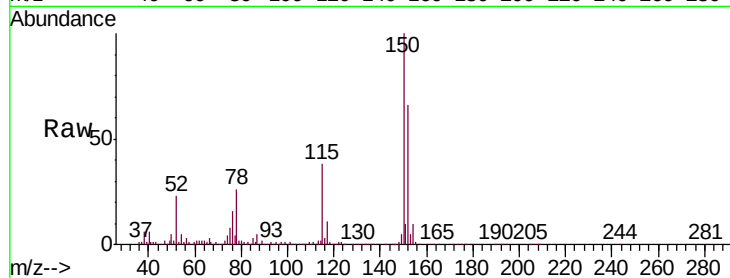
Tgt Ion: 152 Resp: 152659

Ion Ratio Lower Upper

152 100

115 57.5 28.6 85.8

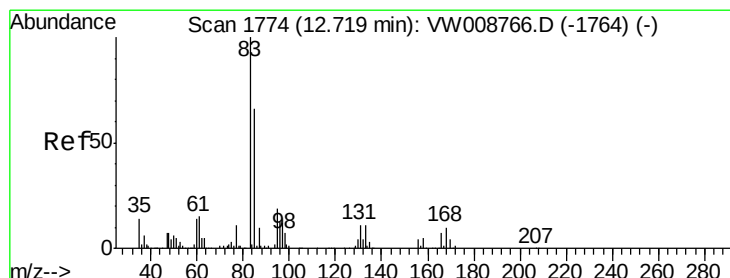
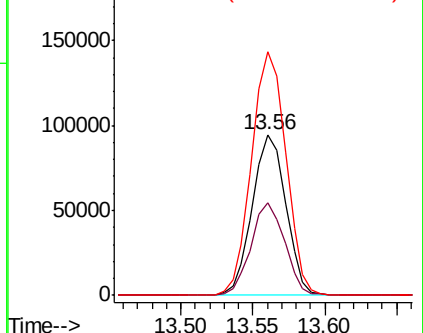
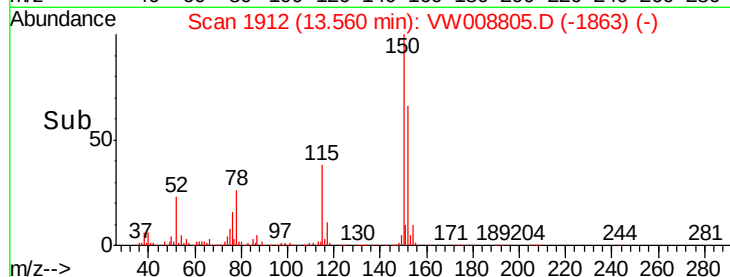
150 155.3 0.0 348.0



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



#75

1,1,2,2-Tetrachloroethane

Concen: 2.095 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW008805.D

Acq: 25 Feb 2019 14:30

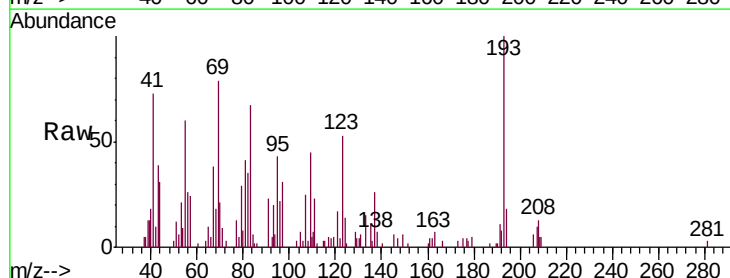
Tgt Ion: 83 Resp: 3583

Ion Ratio Lower Upper

83 100

131 4.9 5.5 16.7#

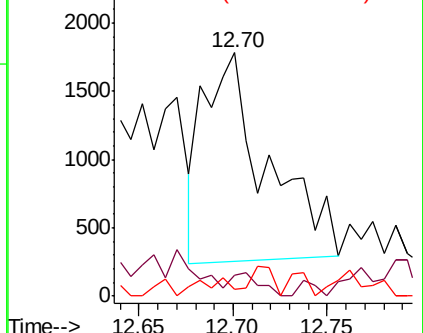
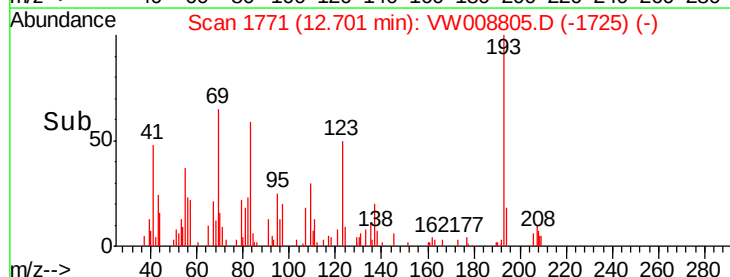
85 5.0 33.0 98.9#

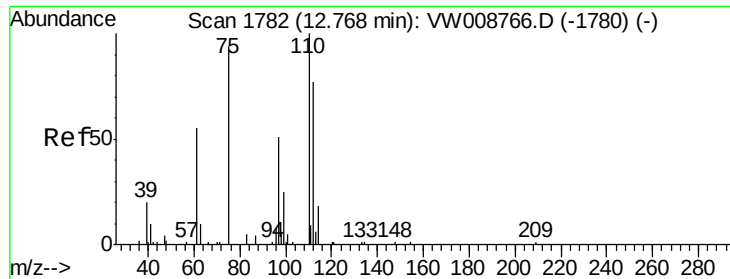


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 77.617 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008805.D

Acq: 25 Feb 2019 14:30

Instrument :

MSVOA_W

ClientSampled :

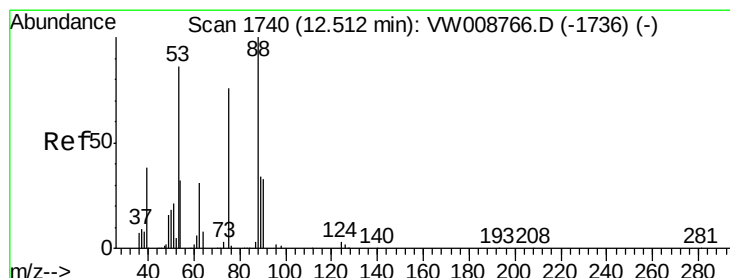
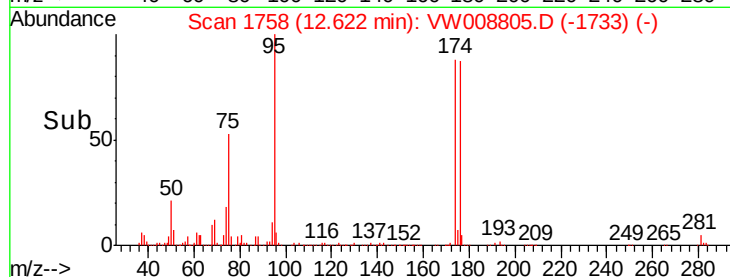
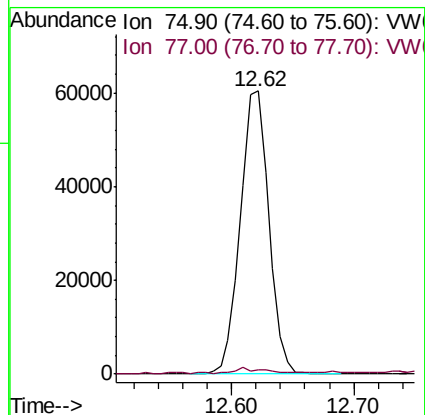
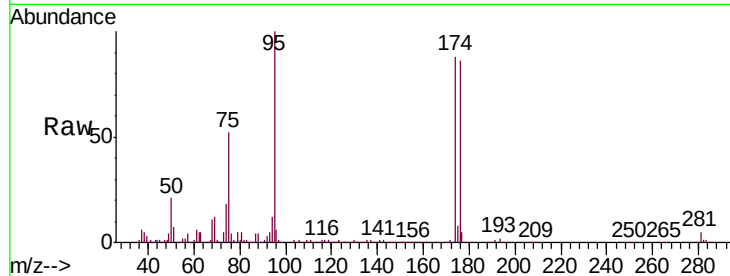
VOC-13

Tgt Ion: 75 Resp: 97829

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 188.693 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008805.D

Acq: 25 Feb 2019 14:30

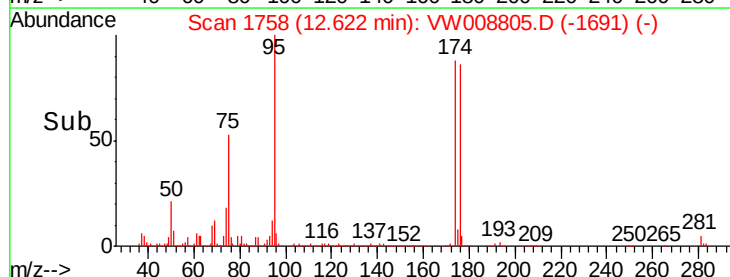
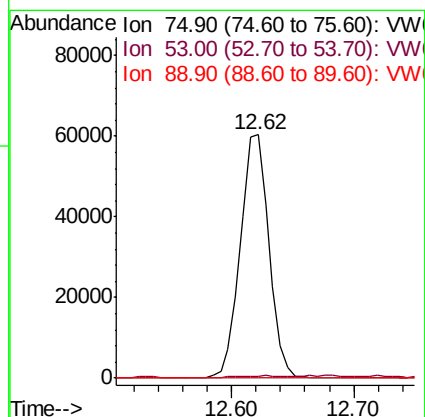
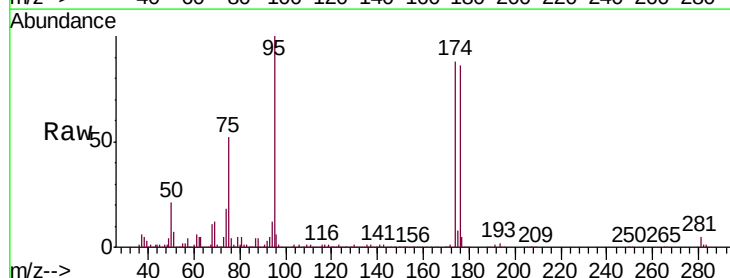
Tgt Ion: 75 Resp: 97829

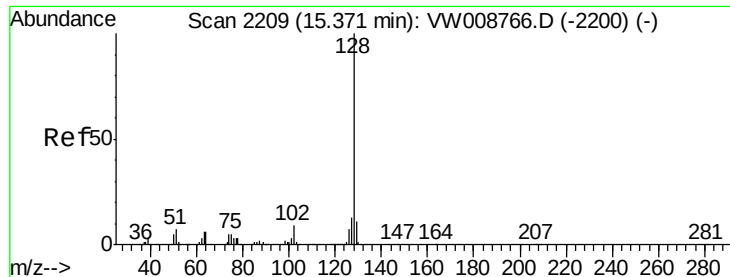
Ion Ratio Lower Upper

75 100

53 1.7 88.2 132.2#

89 0.0 39.5 59.3#

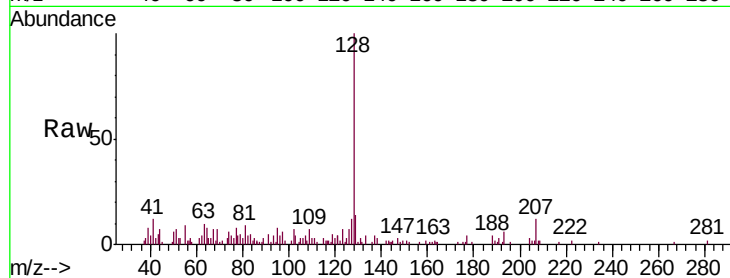




#95
Naphthalene
Concen: 2.478 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW008805.D
Acq: 25 Feb 2019 14:30

Instrument :
MSVOA_W
ClientSampleId :
VOC-13

Tgt Ion	Ratio	Lower	Upper
128	100		
127	18.7	10.8	16.2#
129	17.2	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

