

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
 Data File : VW010536.D
 Acq On : 23 May 2019 18:05
 Operator : SY/VA
 Sample : K3008-02RE
 Misc : 4.72G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VOC-19RE

Quant Time: May 24 08:43:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	116080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	203053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	157289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	46323	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	67968	56.73	ug/l	0.00
Spiked Amount			Recovery	=	113.46%	
35) Dibromofluoromethane	7.88	113	67928	55.13	ug/l	0.00
Spiked Amount			Recovery	=	110.26%	
50) Toluene-d8	10.32	98	251741	53.48	ug/l	0.00
Spiked Amount			Recovery	=	106.96%	
62) 4-Bromofluorobenzene	12.62	95	65734	35.06	ug/l	0.00
Spiked Amount			Recovery	=	70.12%	

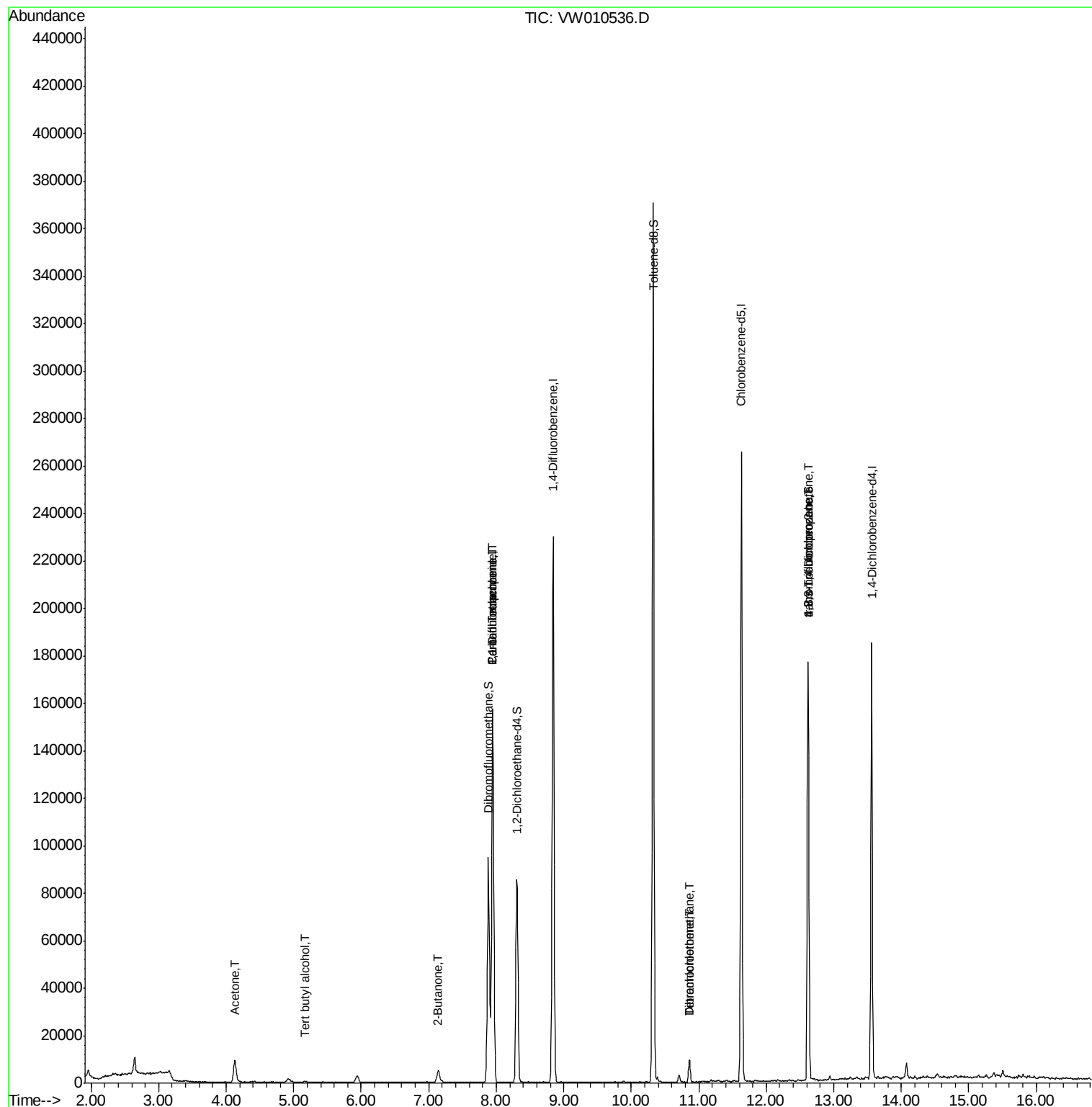
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	610	5.660	ug/l #	71
16) Acetone	4.12	43	16832	68.824	ug/l	99
20) Methylene Chloride	4.92	84	1213	Below Cal	#	81
25) 2-Butanone	7.15	43	457	1.306	ug/l #	45
36) 1,1-Dichloropropene	7.95	75	9105	4.814	ug/l #	48
38) Carbon Tetrachloride	7.95	117	12178	5.968	ug/l #	15
60) Dibromochloromethane	10.87	129	1864	1.403	ug/l #	10
64) Tetrachloroethene	10.87	164	2017	1.840	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	31066	66.069	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	31066	137.887	ug/l #	14

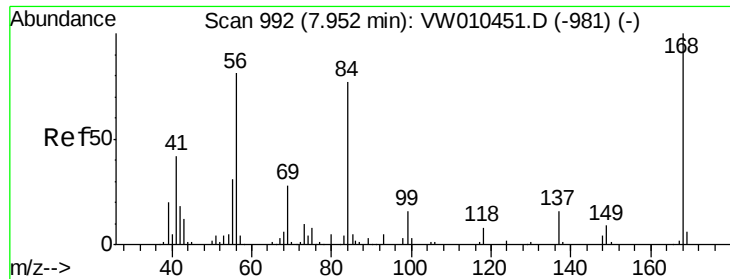
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052319\
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Quant Time: May 24 08:43:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010536.D

Acq: 23 May 2019 18:05

Instrument :

MSVOA_W

ClientSampleId :

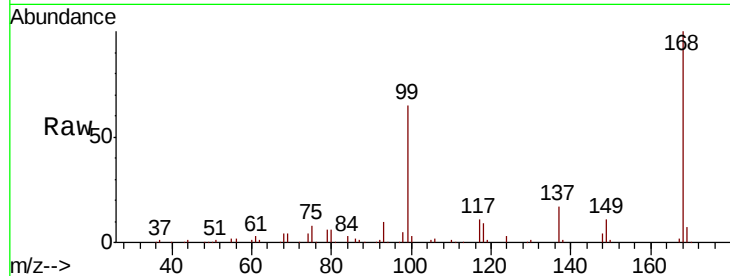
VOC-19RE

Tot Ion:168 Resp: 116080

Ion Ratio Lower Upper

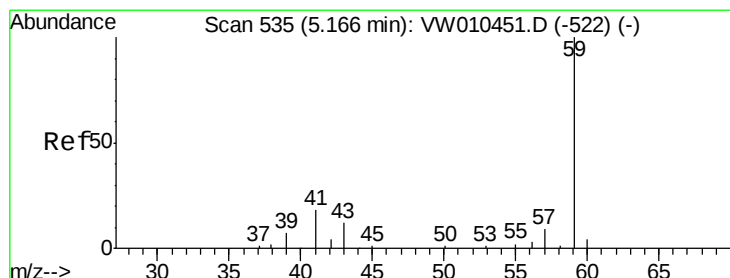
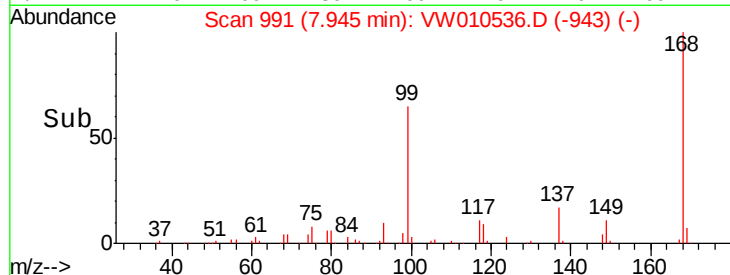
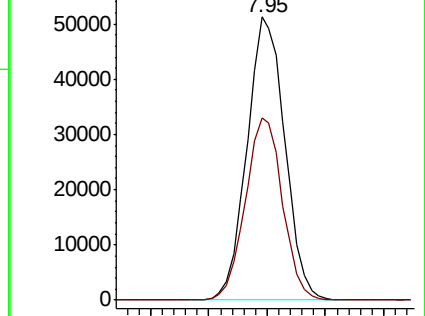
168 100

99 64.6 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 5.660 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW010536.D

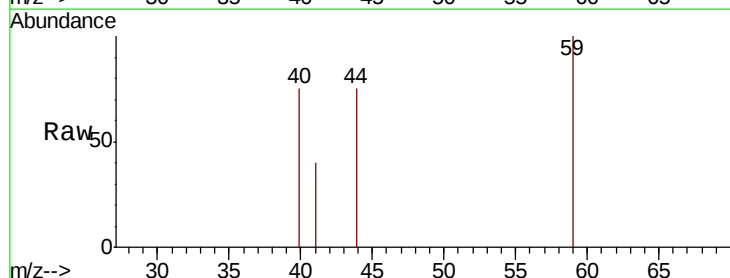
Acq: 23 May 2019 18:05

Tgt Ion: 59 Resp: 610

Ion Ratio Lower Upper

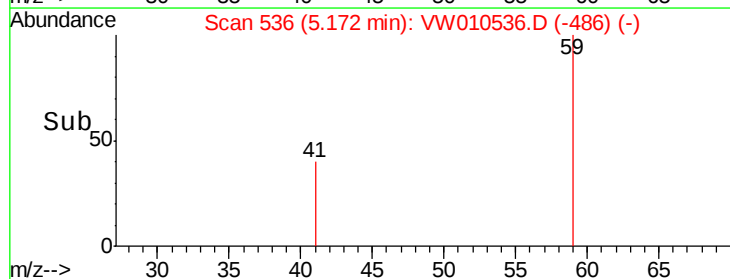
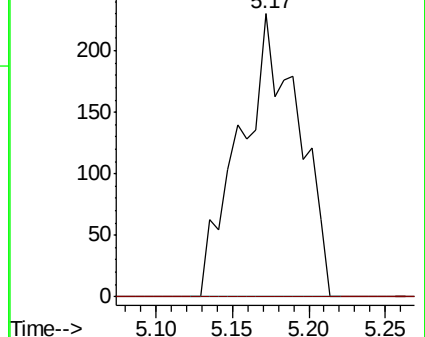
59 100

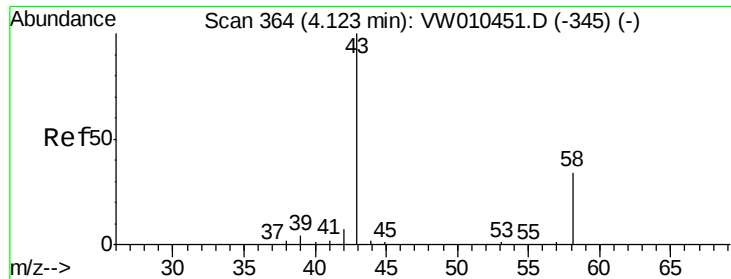
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 68.824 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010536.D

Acq: 23 May 2019 18:05

Instrument :

MSVOA_W

ClientSampleId :

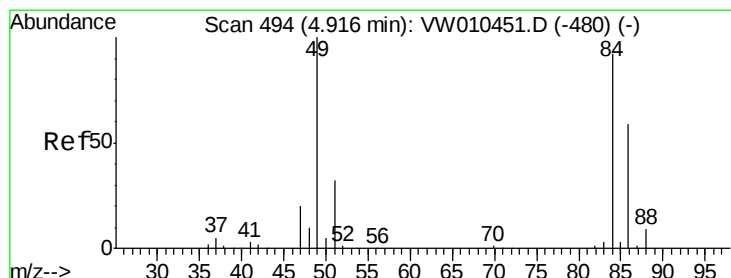
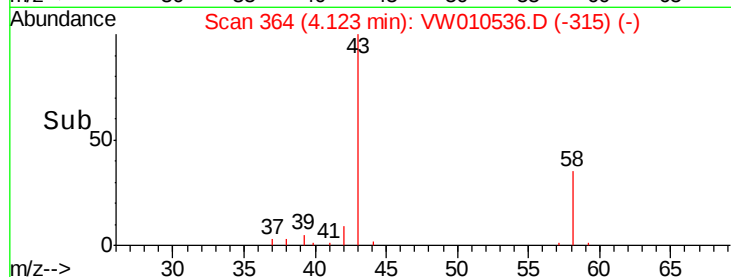
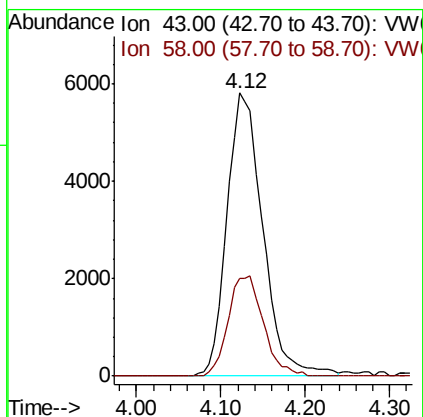
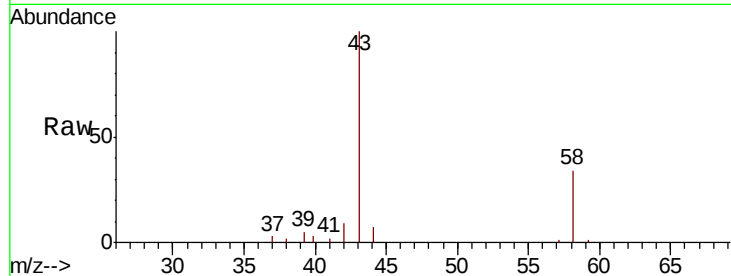
VOC-19RE

Tot Ion: 43 Resp: 16832

Ion Ratio Lower Upper

43 100

58 34.4 27.0 40.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW010536.D

Acq: 23 May 2019 18:05

Tgt Ion: 84 Resp: 1213

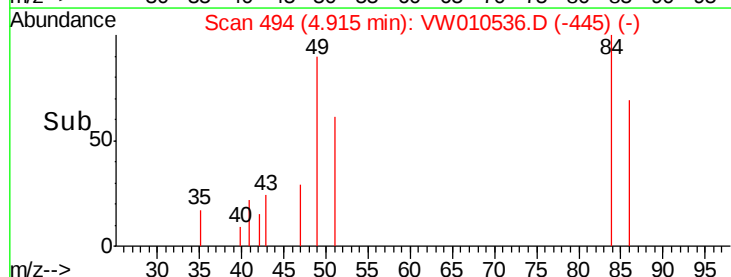
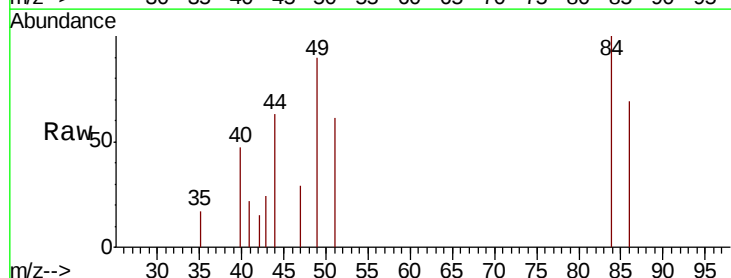
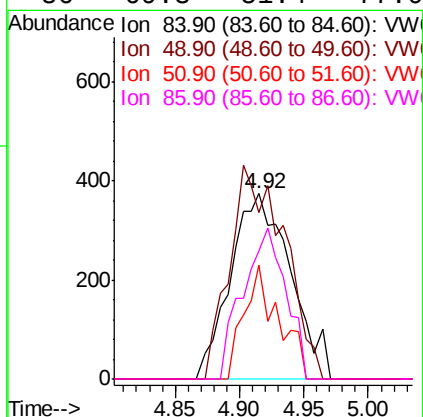
Ion Ratio Lower Upper

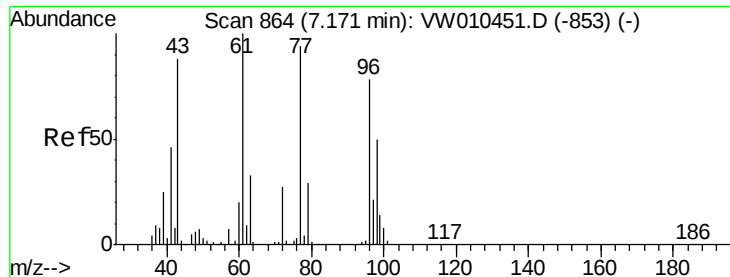
84 100

49 90.1 87.2 130.8

51 61.2 27.7 41.5#

86 69.3 51.4 77.0





#25

2-Butanone

Concen: 1.306 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW010536.D

Acq: 23 May 2019 18:05

Instrument :

MSVOA_W

ClientSampleId :

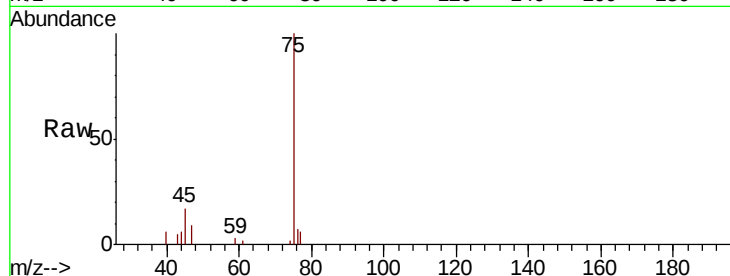
VOC-19RE

Tot Ion: 43 Resp: 457

Ion Ratio Lower Upper

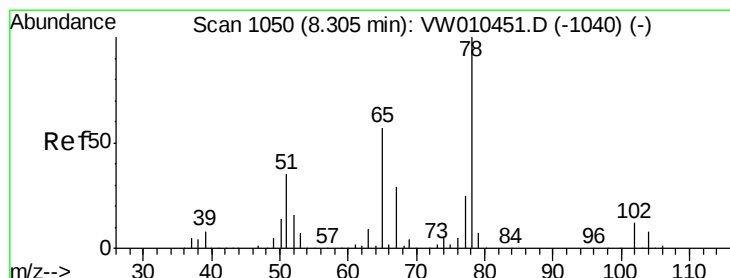
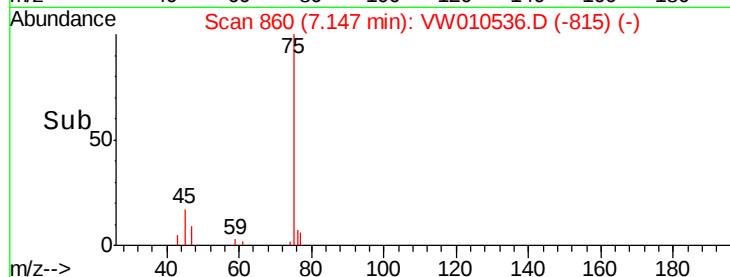
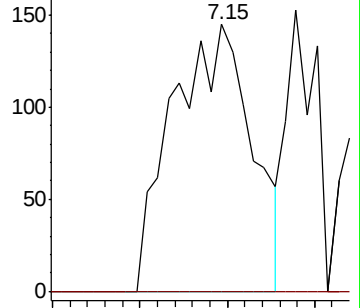
43 100

72 0.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#33

1,2-Dichloroethane-d4

Concen: 56.728 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010536.D

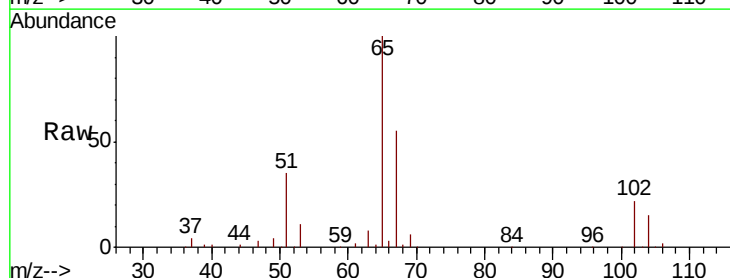
Acq: 23 May 2019 18:05

Tgt Ion: 65 Resp: 67968

Ion Ratio Lower Upper

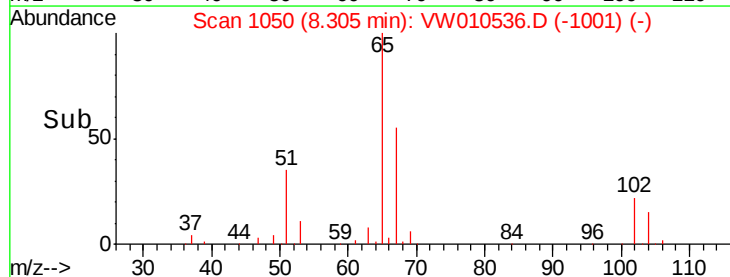
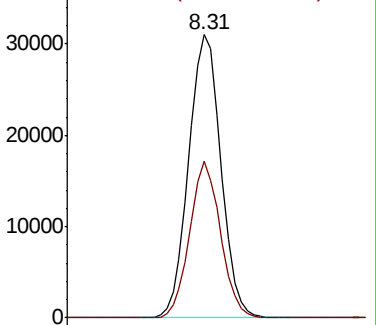
65 100

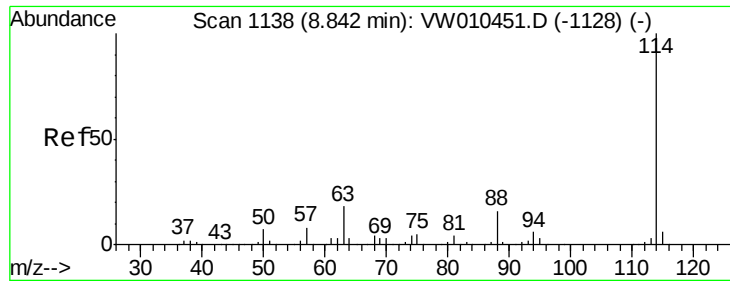
67 52.9 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

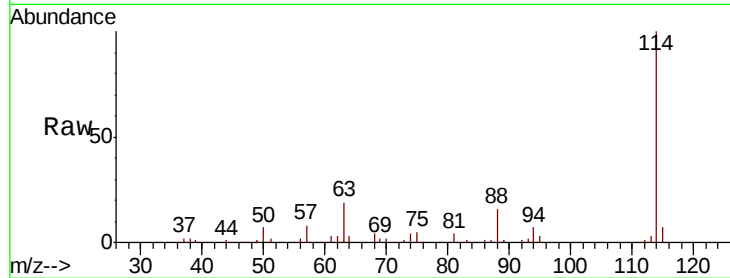




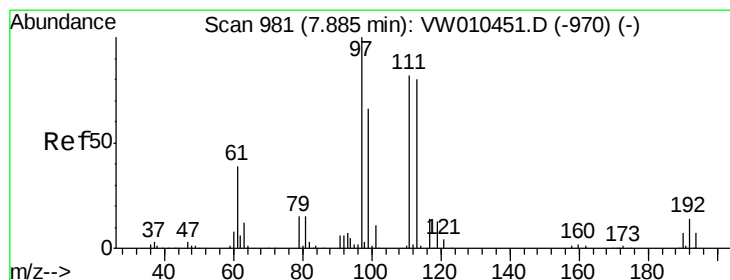
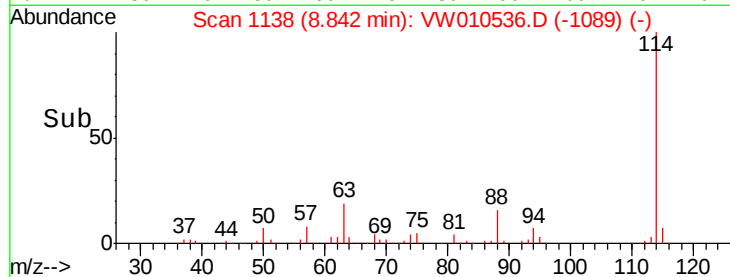
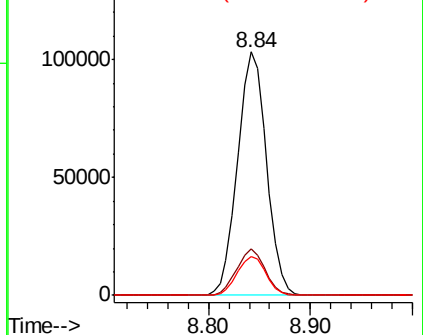
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW010536.D
Acq: 23 May 2019 18:05

Instrument :
MSVOA_W
ClientSampled :
VOC-19RE

Tot Ion:114 Resp: 203053
Ion Ratio Lower Upper
114 100
63 19.0 0.0 36.0
88 15.9 0.0 32.0

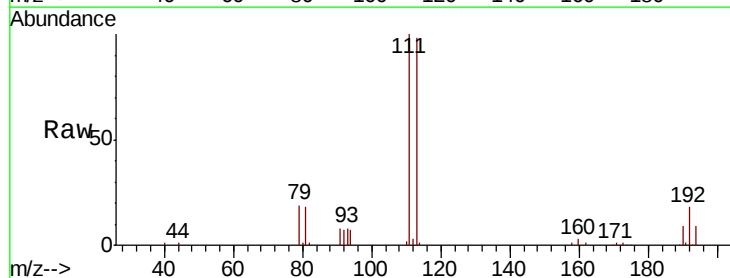


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

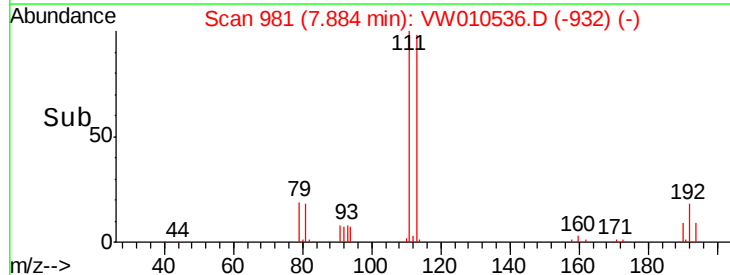
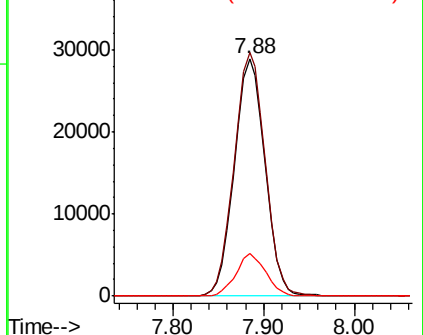


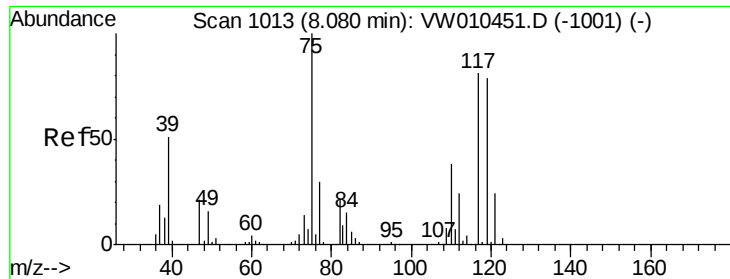
#35
Dibromofluoromethane
Concen: 55.133 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW010536.D
Acq: 23 May 2019 18:05

Tgt Ion:113 Resp: 67928
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.4
192 17.4 14.3 21.5



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

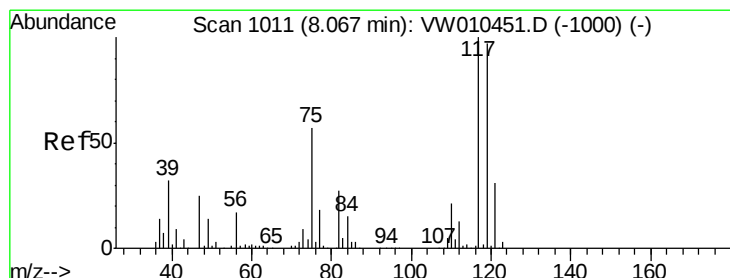
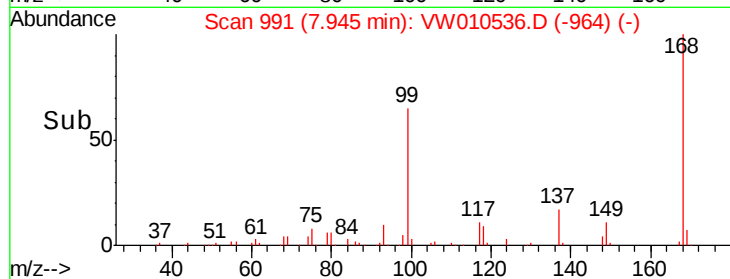
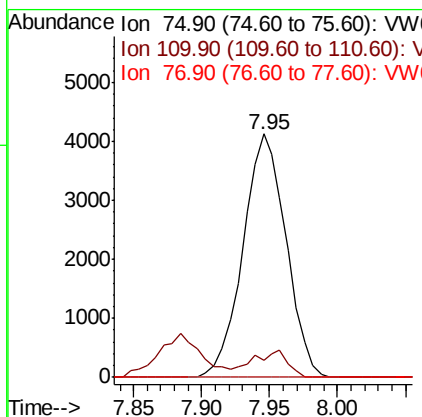
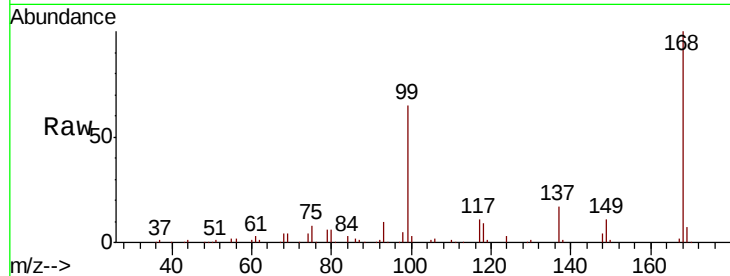




#36
 1,1-Dichloropropene
 Concen: 4.814 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010536.D
 Acq: 23 May 2019 18:05

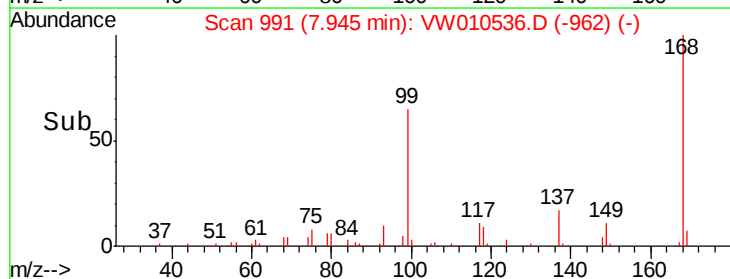
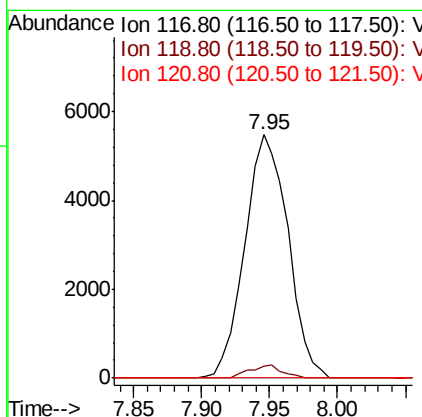
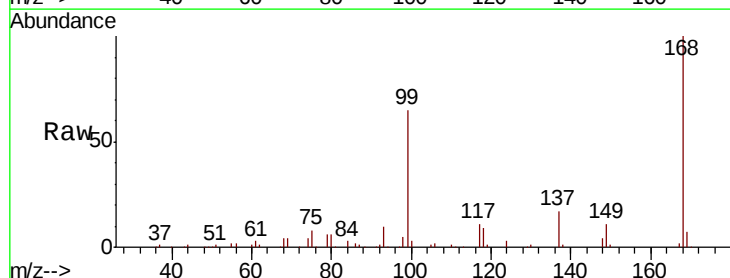
Instrument :
 MSVOA_W
 ClientSampled :
 VOC-19RE

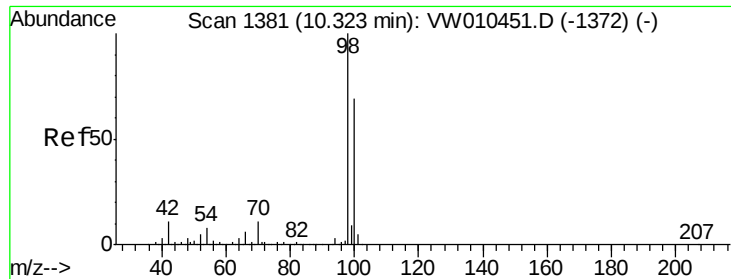
Tot Ion	75	Resp	9105
Ion Ratio	Lower	Upper	
75	100		
110	9.0	19.2	57.6#
77	0.0	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 5.968 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010536.D
 Acq: 23 May 2019 18:05

Tgt Ion	117	Resp	12178
Ion Ratio	Lower	Upper	
117	100		
119	4.8	77.4	116.0#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: 53.484 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010536.D

Acq: 23 May 2019 18:05

Instrument :

MSVOA_W

ClientSampleId :

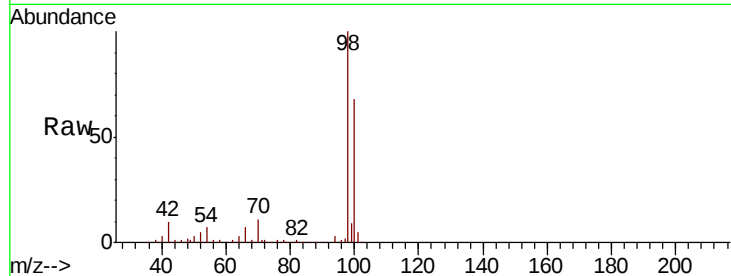
VOC-19RE

Tot Ion: 98 Resp: 251741

Ion Ratio Lower Upper

98 100

100 67.1 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

150000

100000

50000

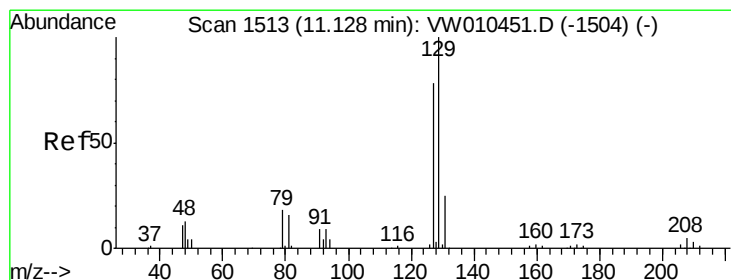
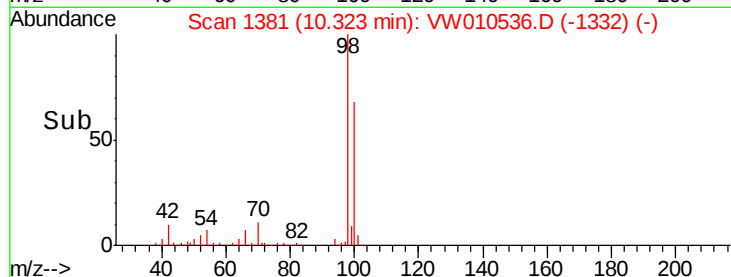
0

10.32

10.30

10.40

Time-->



#60

Dibromochloromethane

Concen: 1.403 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW010536.D

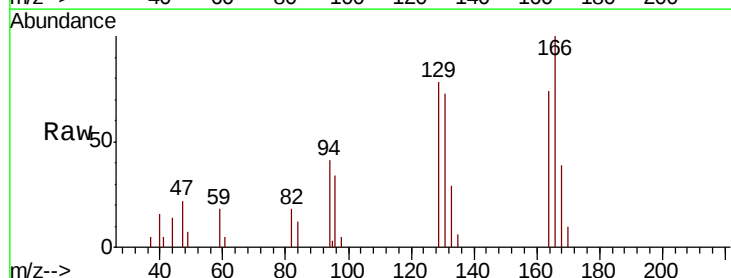
Acq: 23 May 2019 18:05

Tgt Ion: 129 Resp: 1864

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

1000

500

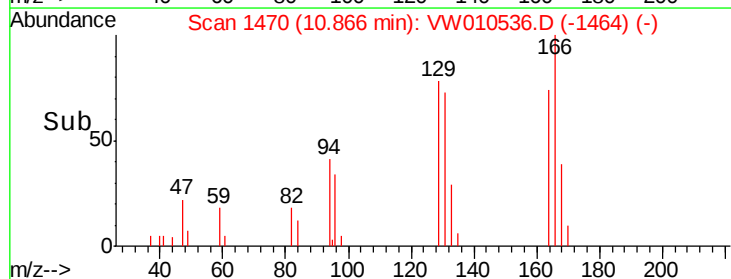
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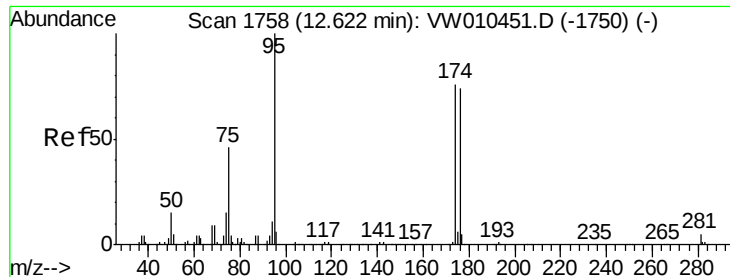
10.87

10.85

10.90

Time-->





#62

4-Bromofluorobenzene

Concen: 35.062 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010536.D

Acq: 23 May 2019 18:05

Instrument :

MSVOA_W

ClientSampled :

VOC-19RE

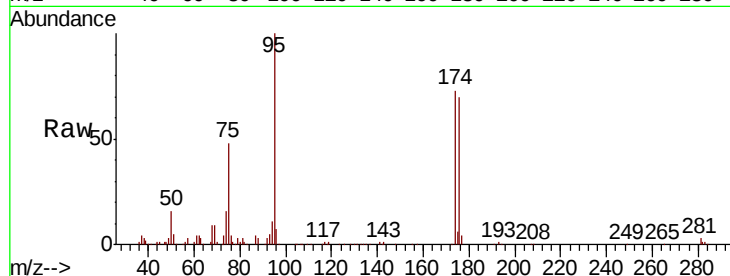
Tot Ion: 95 Resp: 65734

Ion Ratio Lower Upper

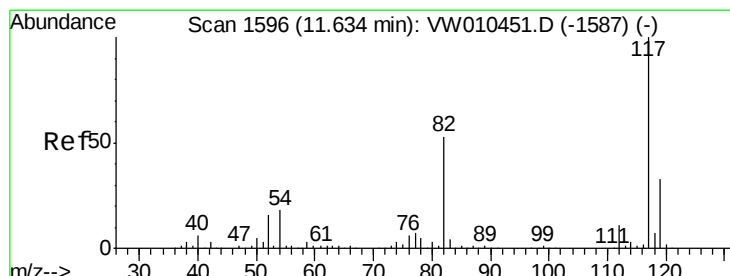
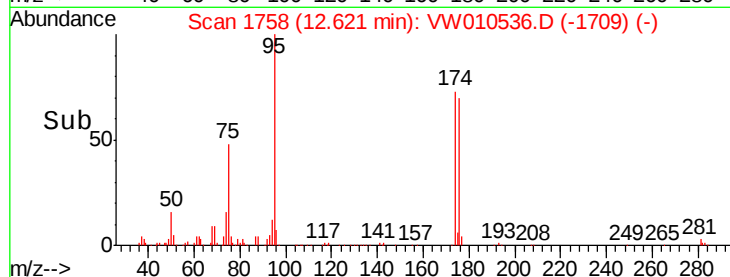
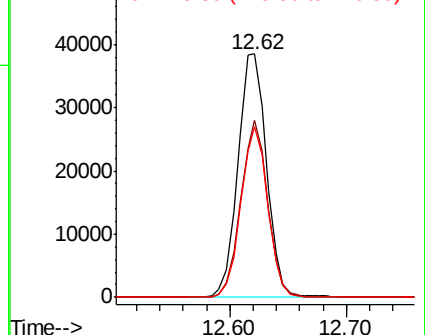
95 100

174 68.1 0.0 148.6

176 65.9 0.0 144.2



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# 1596

Delta R.T. -0.00 min

Lab File: VW010536.D

Acq: 23 May 2019 18:05

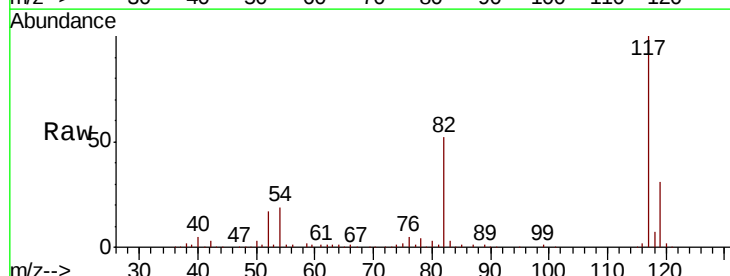
Tgt Ion: 117 Resp: 157289

Ion Ratio Lower Upper

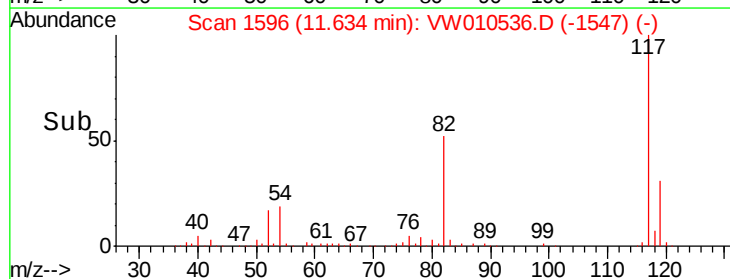
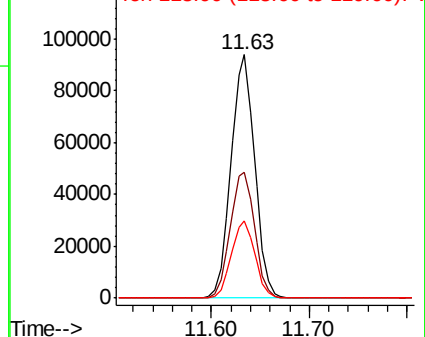
117 100

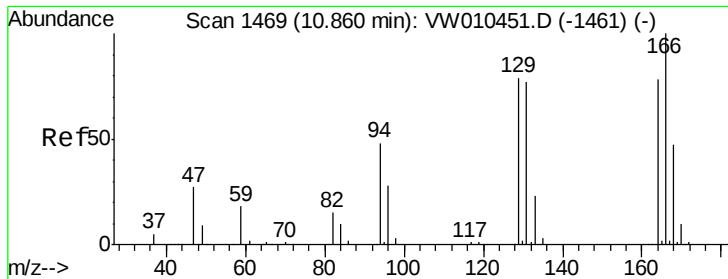
82 51.9 42.8 64.2

119 31.5 26.3 39.5



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

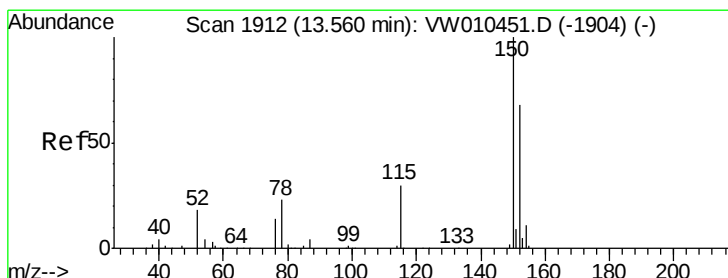
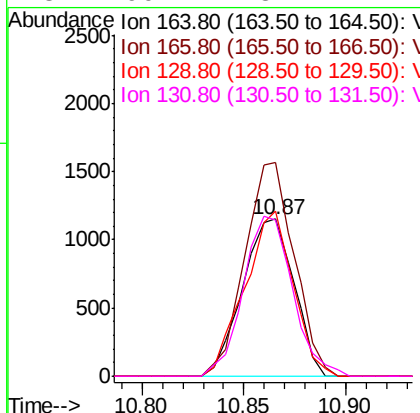
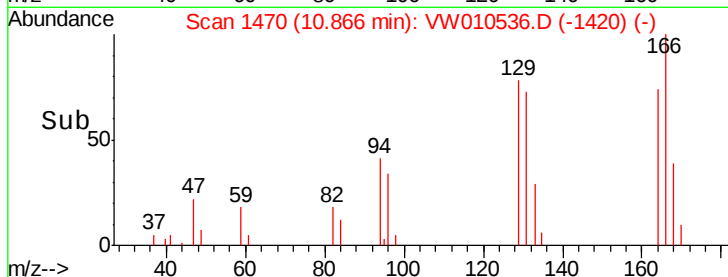
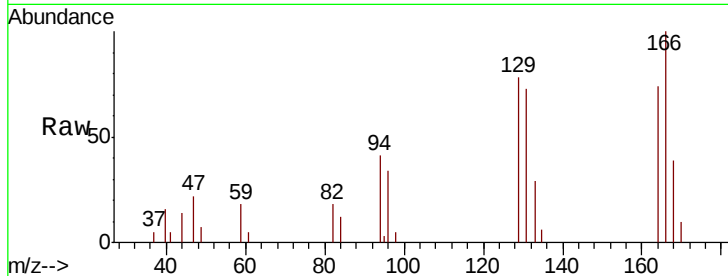




#64
Tetrachloroethene
Concen: 1.840 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010536.D
Acq: 23 May 2019 18:05

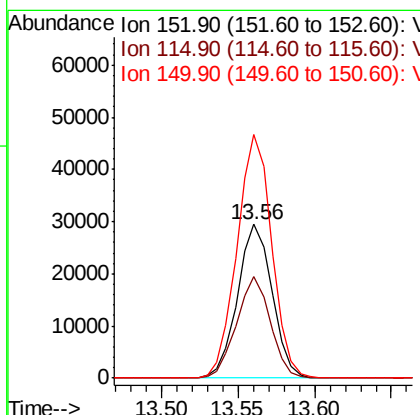
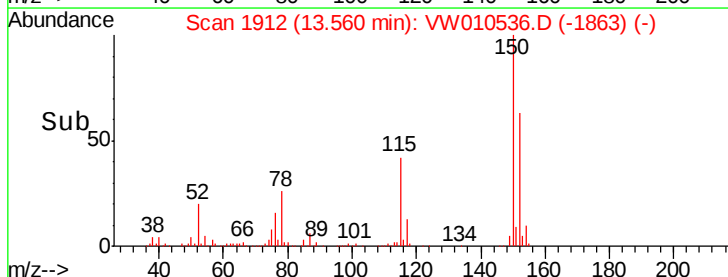
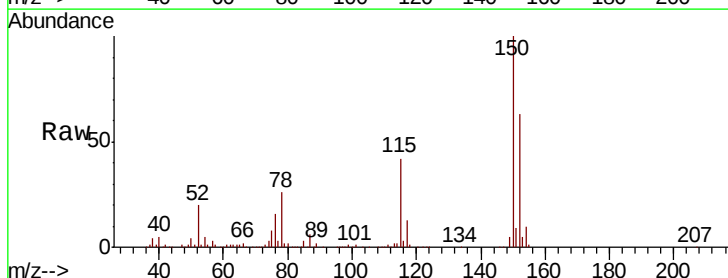
Instrument :
MSVOA_W
ClientSampleId :
VOC-19RE

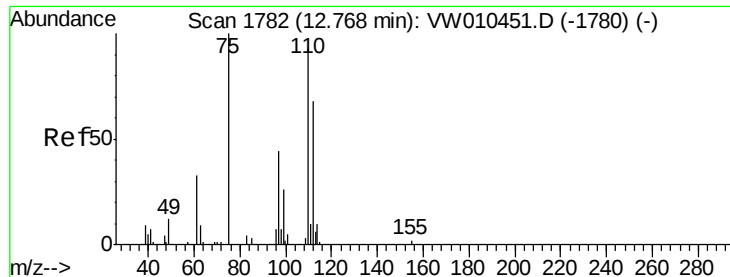
Tot Ion	Ratio	Lower	Upper
164	100		
166	135.8	101.9	152.9
129	105.3	80.6	121.0
131	99.7	78.2	117.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010536.D
Acq: 23 May 2019 18:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.1	30.3	91.0
150	158.2	0.0	349.8





#76

1,2,3-Trichloropropane

Concen: 66.069 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010536.D

Acq: 23 May 2019 18:05

Instrument :

MSVOA_W

ClientSampleId :

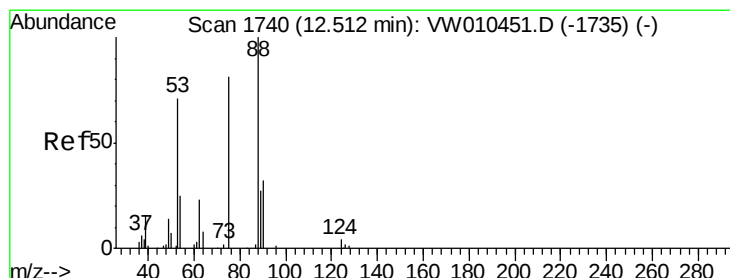
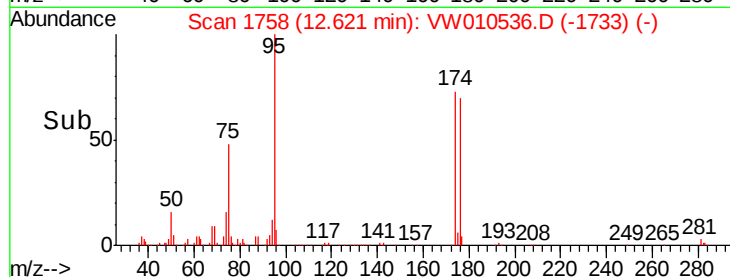
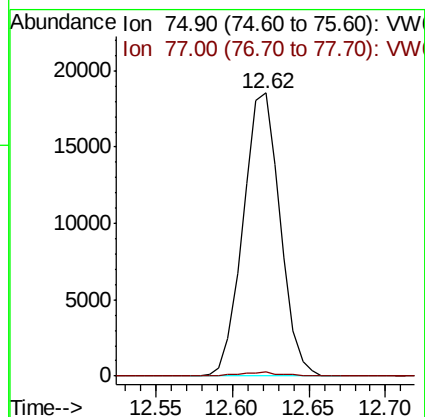
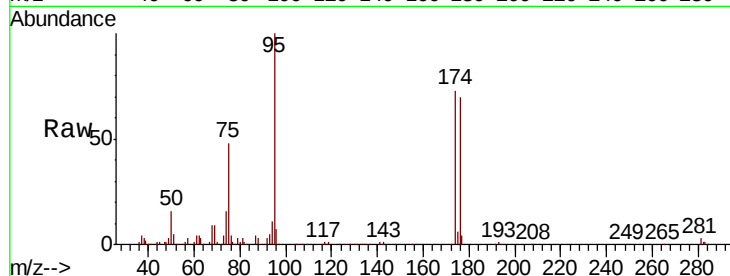
VOC-19RE

Tot Ion: 75 Resp: 31066

Ion Ratio Lower Upper

75 100

77 1.5 170.0 510.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 137.887 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010536.D

Acq: 23 May 2019 18:05

Tgt Ion: 75 Resp: 31066

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#

