

Data File : VW015310.D
Acq On : 22 Apr 2020 16:04
Operator : SY/VA
Sample : L2387-01
Misc : 5.61G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TT-018-IDWSO-20200421

Quant Time: Apr 23 07:04:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 21 06:39:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	215792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	310640	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	265862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	115753	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	90236	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
35) Dibromofluoromethane	7.88	113	90765	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
50) Toluene-d8	10.32	98	357050	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
62) 4-Bromofluorobenzene	12.62	95	115277	41.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.48%	

Target Compounds

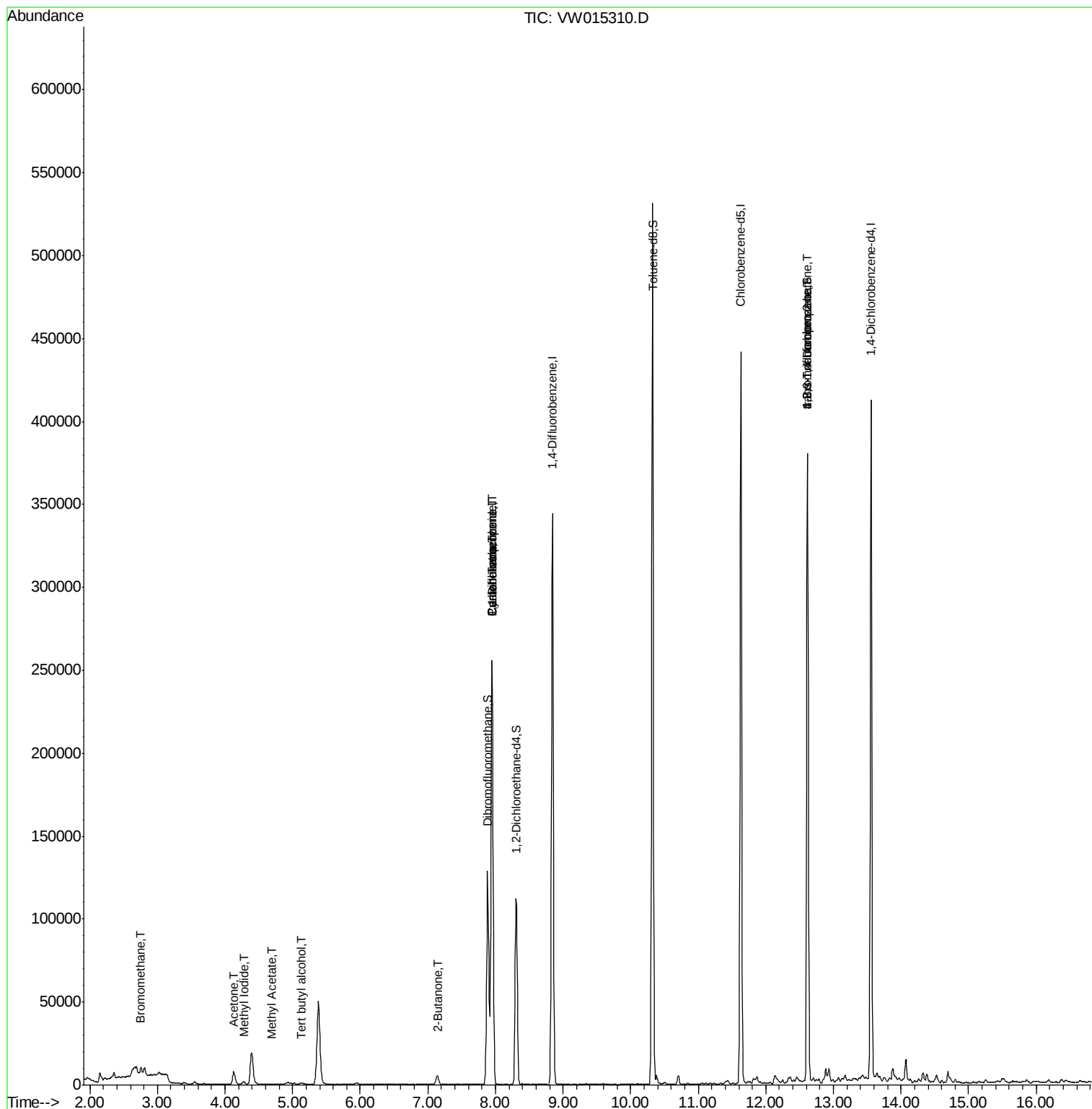
						Qvalue
5) Bromomethane	2.76	94	3301	2.119	ug/l	84
10) Methyl Iodide	4.28	142	2762	1.375	ug/l	97
11) Tert butyl alcohol	5.13	59	495	3.441	ug/l #	72
16) Acetone	4.13	43	13993	45.400	ug/l	95
18) Methyl Acetate	4.68	43	1096	1.343	ug/l #	61
25) 2-Butanone	7.14	43	469	1.147	ug/l #	48
31) Cyclohexane	7.95	56	3973	1.217	ug/l #	19
36) 1,1-Dichloropropene	7.95	75	13892	4.955	ug/l #	50
38) Carbon Tetrachloride	7.95	117	18897	6.168	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	57790	64.536	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57790	141.075	ug/l #	15

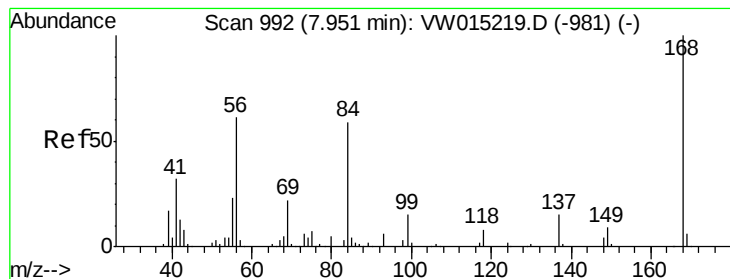
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

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MSVOA_W

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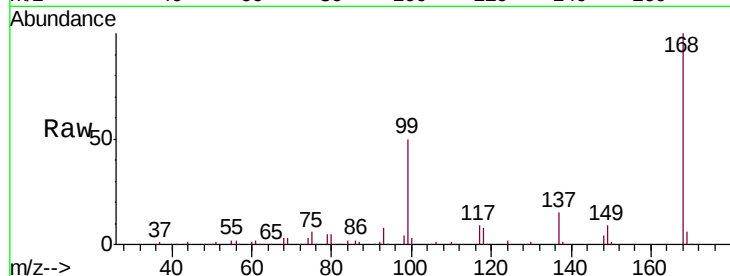
TT-018-IDWSO-20200421

Tgt Ion:168 Resp: 215792

Ion Ratio Lower Upper

168 100

99 49.5 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

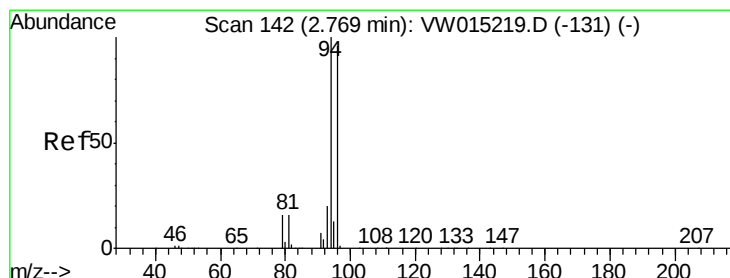
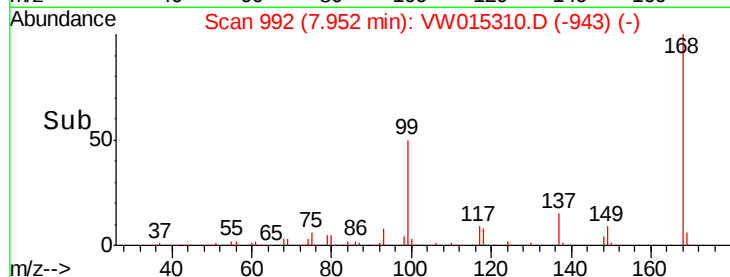
40000

20000

0

Time-->

7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: 2.119 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW015310.D

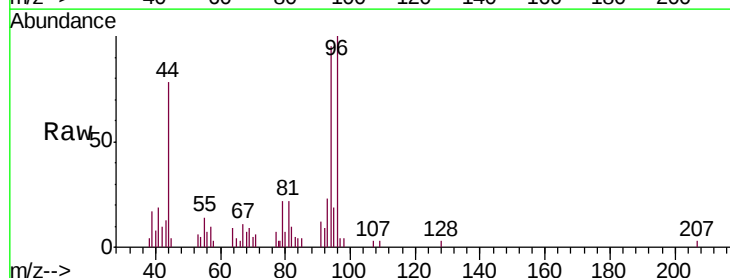
Acq: 22 Apr 2020 16:04

Tgt Ion: 94 Resp: 3301

Ion Ratio Lower Upper

94 100

96 103.2 70.4 105.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2000

1500

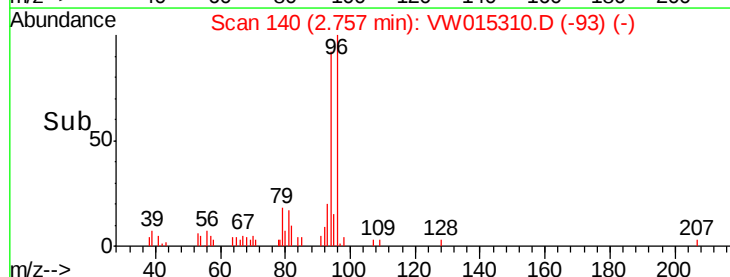
1000

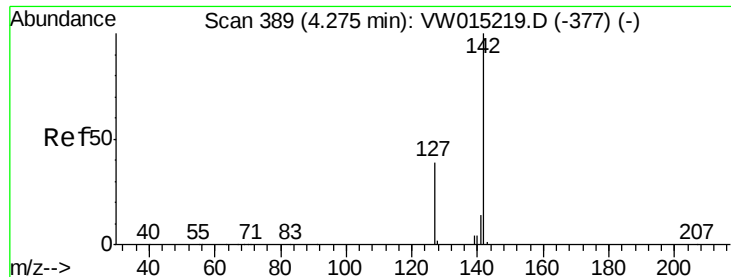
500

0

Time-->

2.70 2.75 2.80

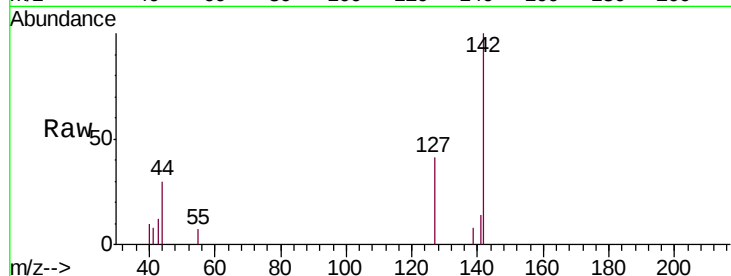




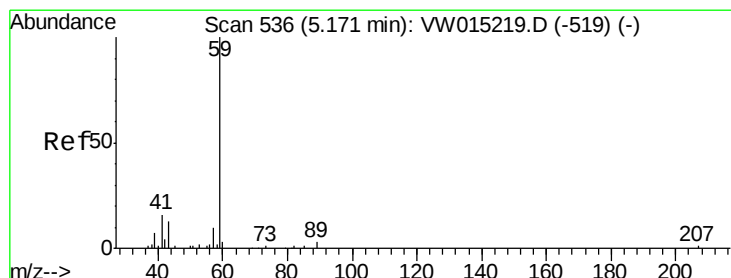
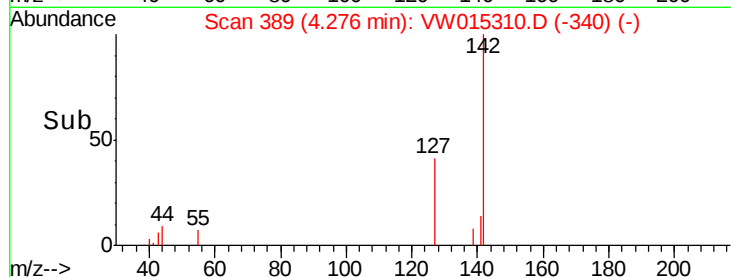
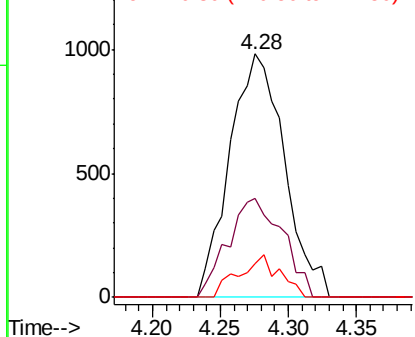
#10
Methyl Iodide
Concen: 1.375 ug/l
RT: 4.28 min Scan# 389
Delta R.T. 0.00 min
Lab File: VW015310.D
Acq: 22 Apr 2020 16:04

Instrument :
MSVOA_W
ClientSampleId :
TT-018-IDWSO-20200421

Tgt Ion: 142 Resp: 2762
Ion Ratio Lower Upper
142 100
127 40.8 33.9 50.9
141 12.9 11.4 17.2

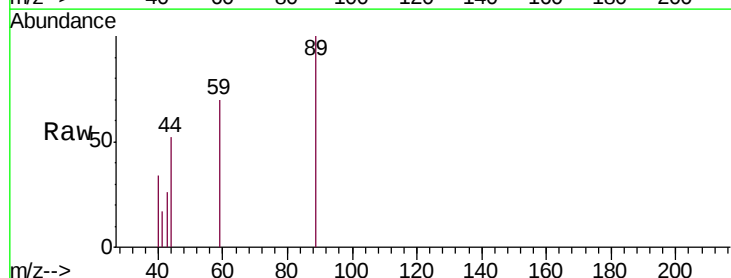


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

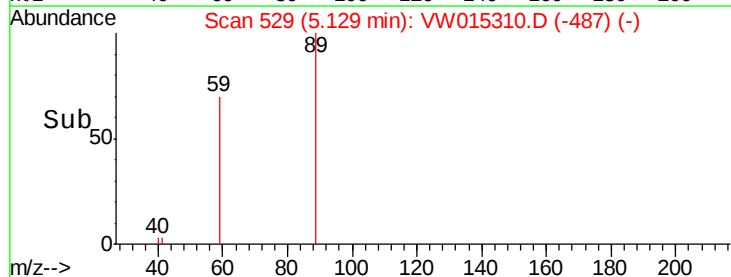
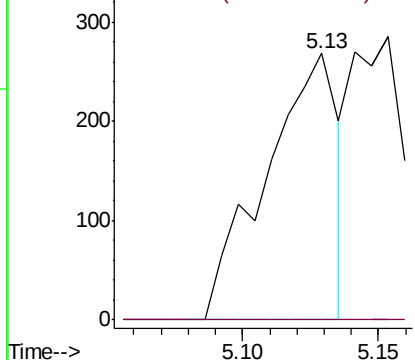


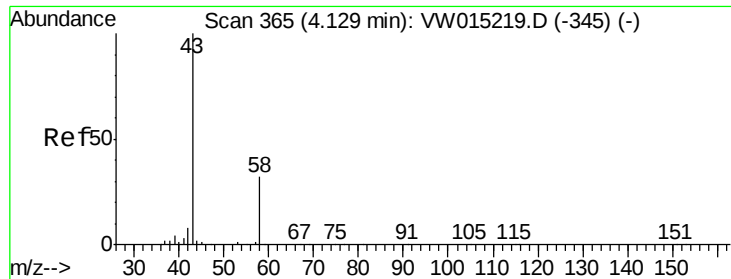
#11
Tert butyl alcohol
Concen: 3.441 ug/l
RT: 5.13 min Scan# 529
Delta R.T. -0.04 min
Lab File: VW015310.D
Acq: 22 Apr 2020 16:04

Tgt Ion: 59 Resp: 495
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW

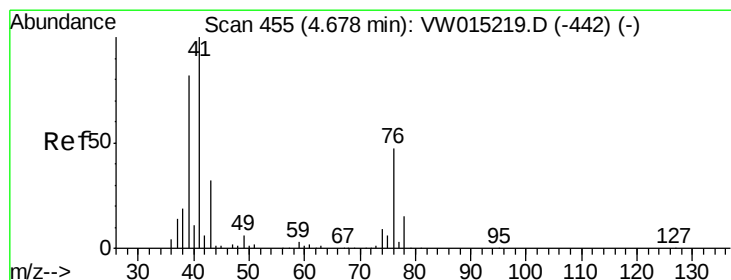
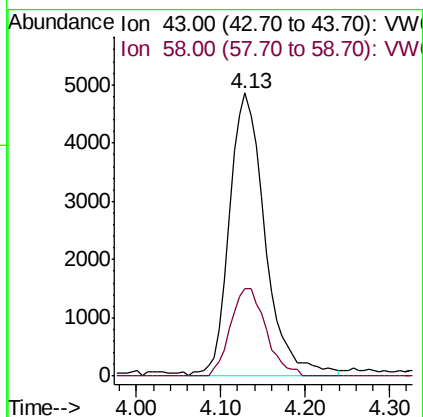
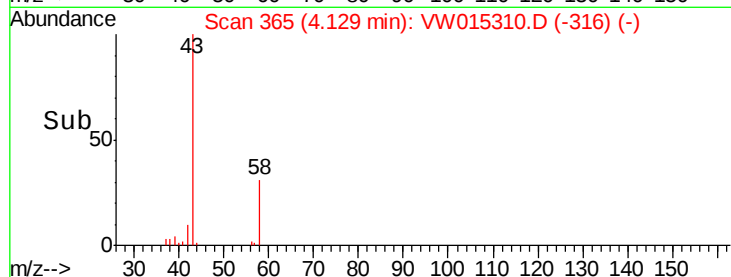
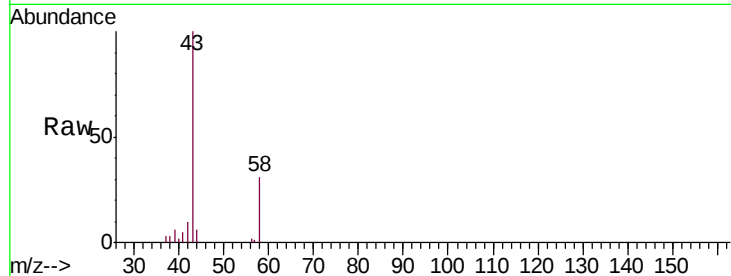




#16
Acetone
Concen: 45.400 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.00 min
Lab File: VW015310.D
Acq: 22 Apr 2020 16:04

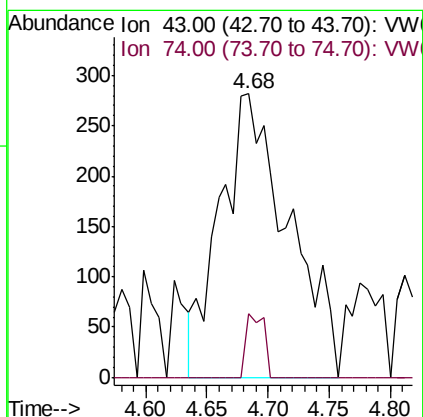
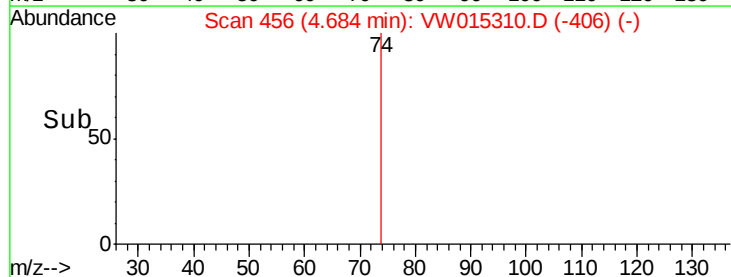
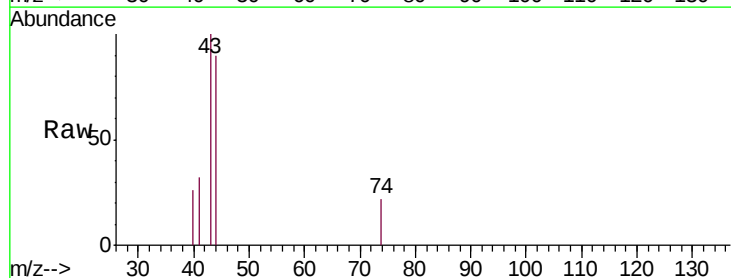
Instrument :
MSVOA_W
ClientSampleId :
TT-018-IDWSO-20200421

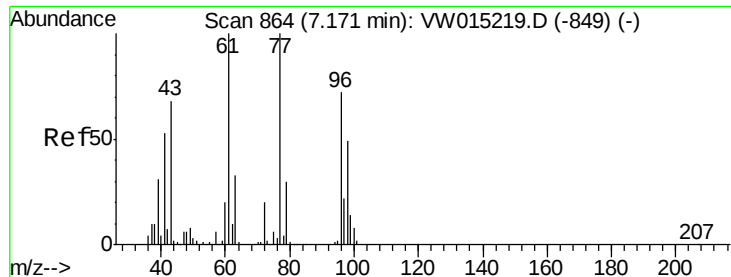
Tgt Ion: 43 Resp: 13993
Ion Ratio Lower Upper
43 100
58 31.0 27.0 40.4



#18
Methyl Acetate
Concen: 1.343 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW015310.D
Acq: 22 Apr 2020 16:04

Tgt Ion: 43 Resp: 1096
Ion Ratio Lower Upper
43 100
74 5.9 20.6 31.0#





#25

2-Butanone

Concen: 1.147 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW015310.D

Acq: 22 Apr 2020 16:04

Instrument :

MSVOA_W

ClientSampleId :

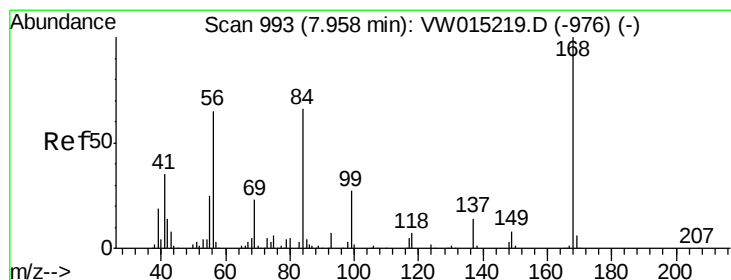
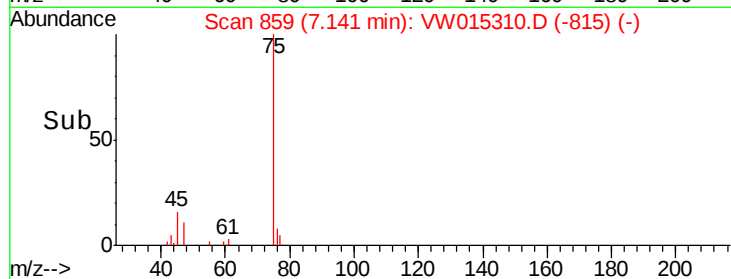
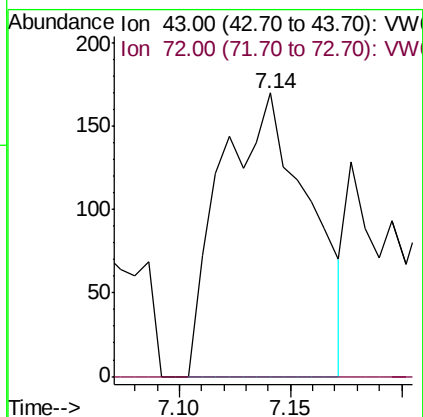
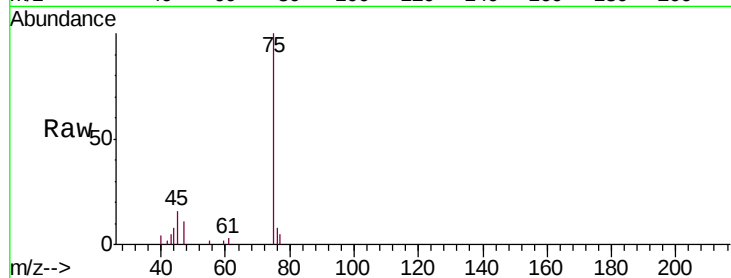
TT-018-IDWSO-20200421

Tgt Ion: 43 Resp: 469

Ion Ratio Lower Upper

43 100

72 0.0 21.6 32.4#



#31

Cyclohexane

Concen: 1.217 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015310.D

Acq: 22 Apr 2020 16:04

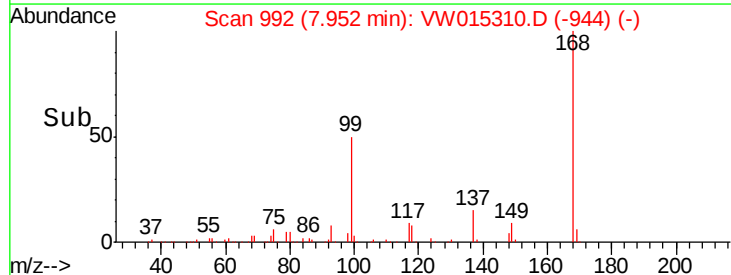
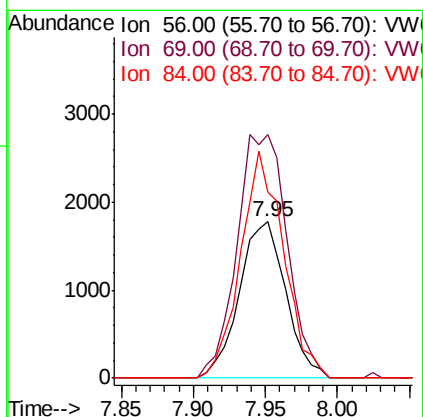
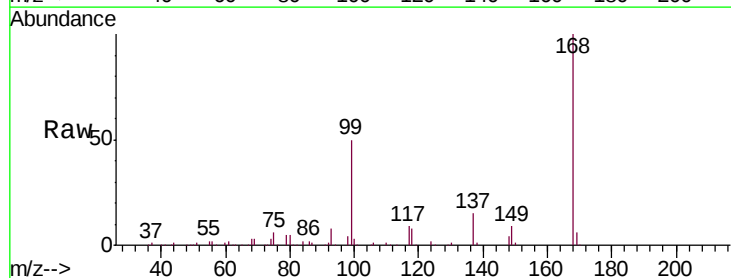
Tgt Ion: 56 Resp: 3973

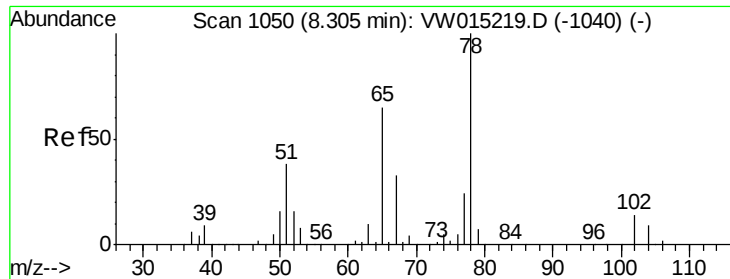
Ion Ratio Lower Upper

56 100

69 155.5 27.1 40.7#

84 118.9 71.9 107.9#

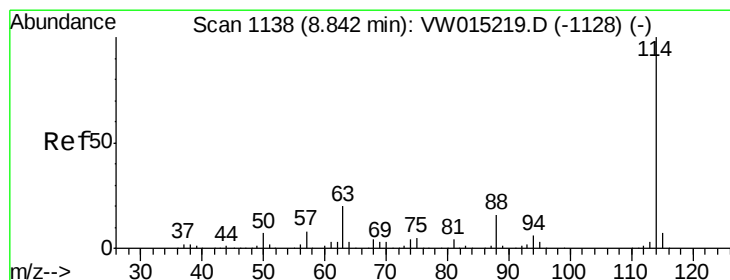
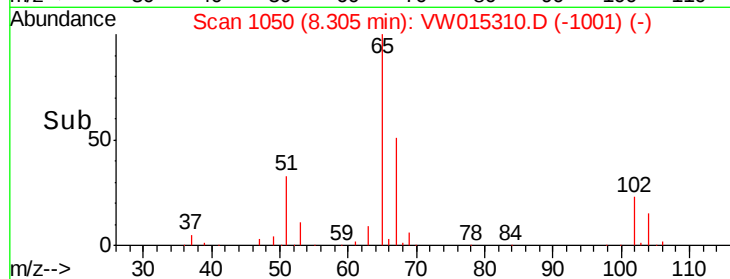
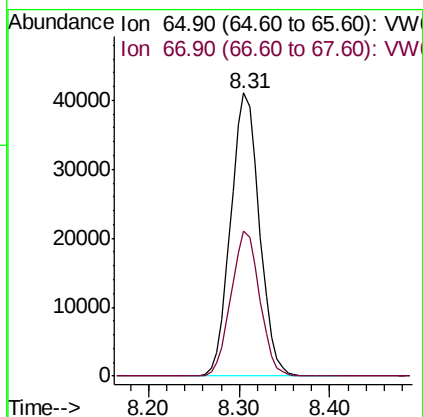
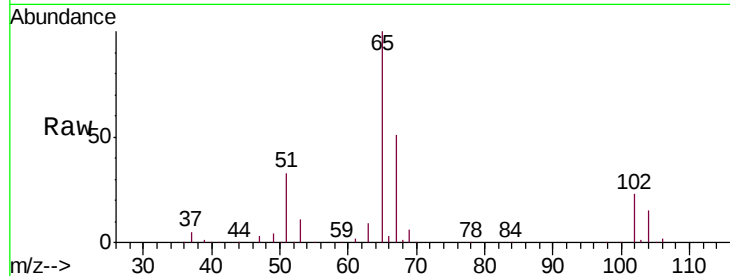




#33
 1,2-Dichloroethane-d4
 Concen: 51.136 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015310.D
 Acq: 22 Apr 2020 16:04

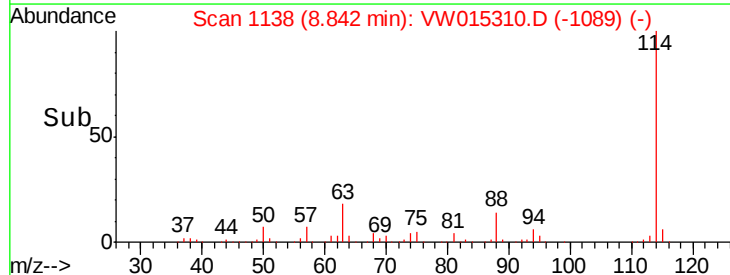
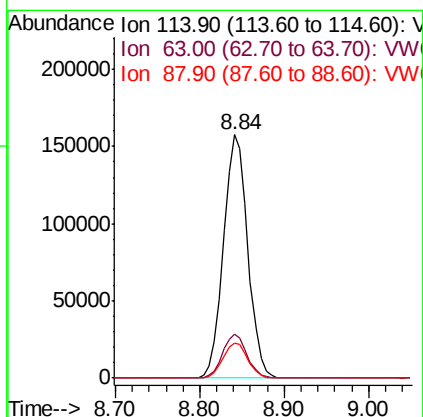
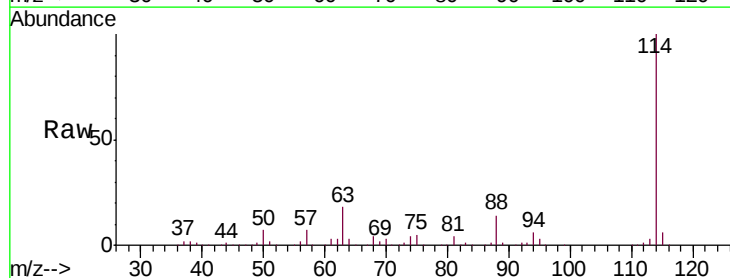
Instrument :
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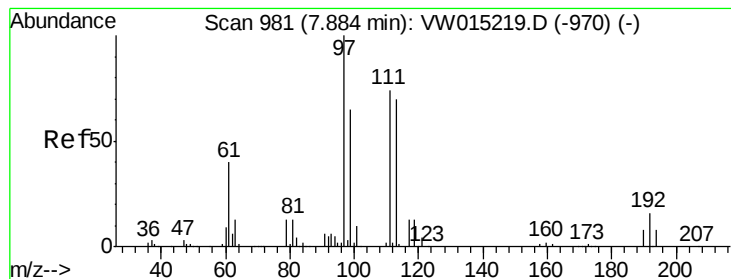
Tgt Ion: 65 Resp: 90236
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015310.D
 Acq: 22 Apr 2020 16:04

Tgt Ion: 114 Resp: 310640
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 39.8
 88 14.3 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.749 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015310.D

Acq: 22 Apr 2020 16:04

Instrument :

MSVOA_W

ClientSampleId :

TT-018-IDWSO-20200421

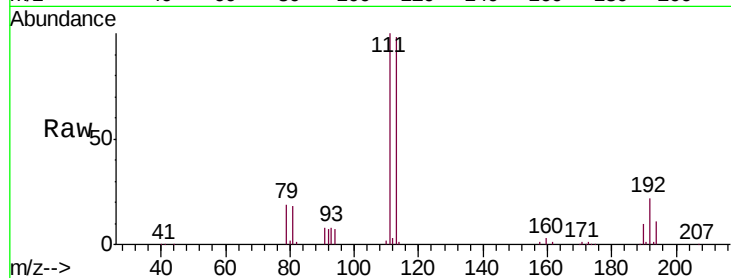
Tgt Ion:113 Resp: 90765

Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.4

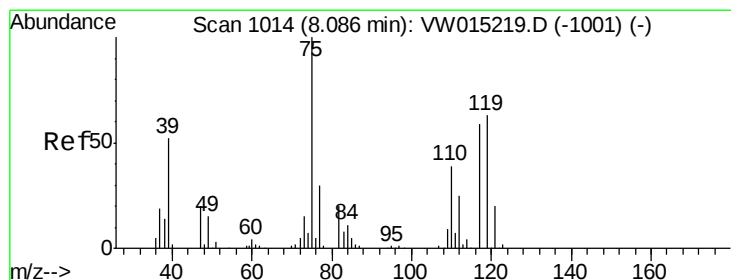
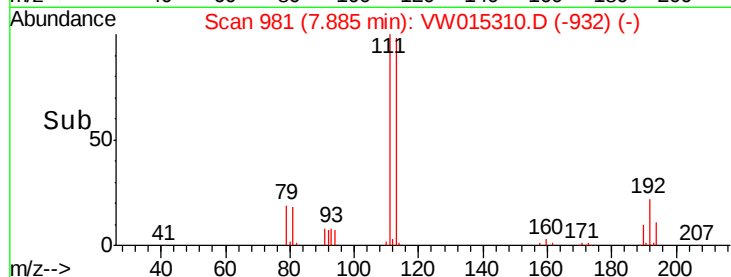
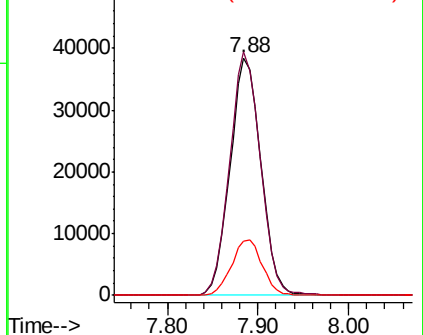
192 23.2 15.1 22.7#



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: 4.955 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW015310.D

Acq: 22 Apr 2020 16:04

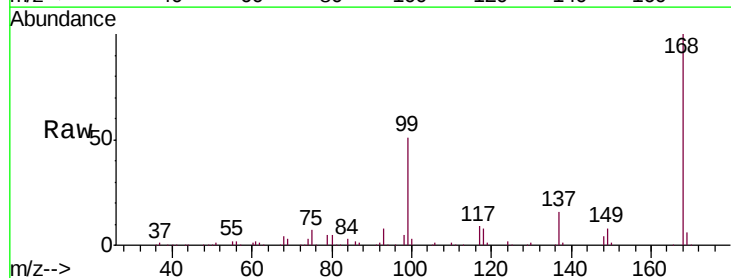
Tgt Ion: 75 Resp: 13892

Ion Ratio Lower Upper

75 100

110 9.7 18.2 54.6#

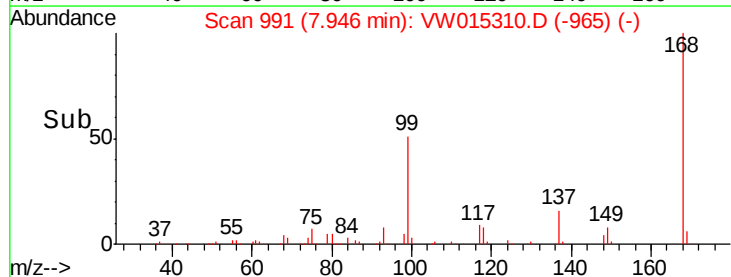
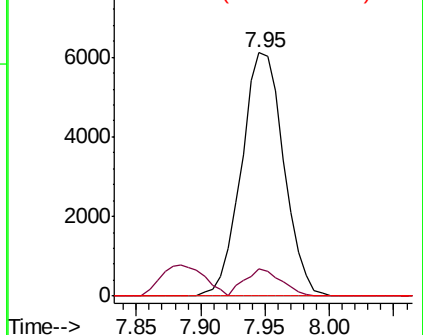
77 0.0 24.5 36.7#

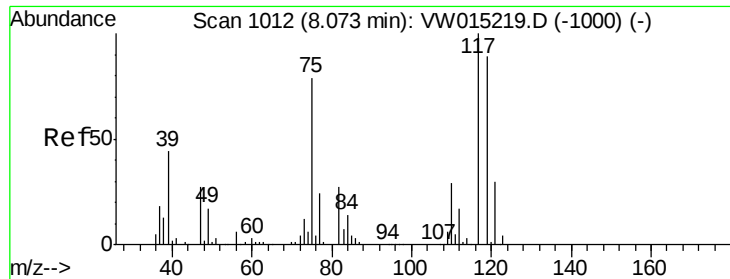


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

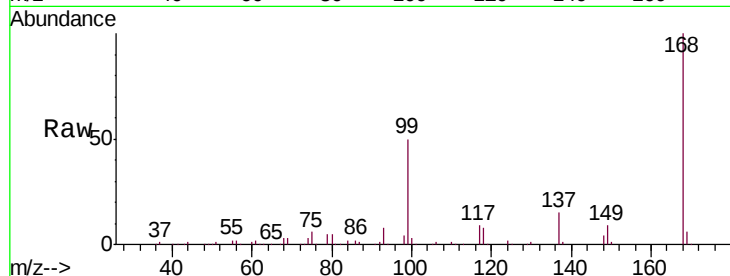




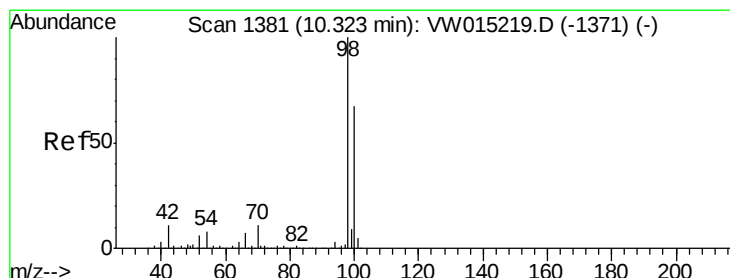
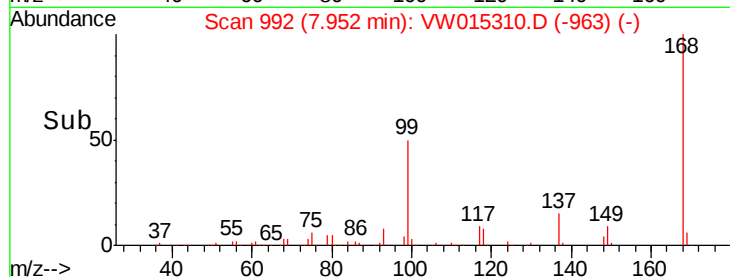
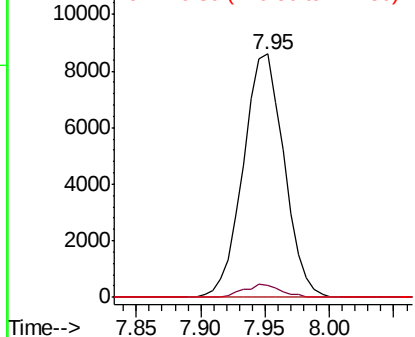
#38
Carbon Tetrachloride
Concen: 6.168 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW015310.D
Acq: 22 Apr 2020 16:04

Instrument :
MSVOA_W
ClientSampleId :
TT-018-IDWSO-20200421

Tgt Ion:117 Resp: 18897
Ion Ratio Lower Upper
117 100
119 4.9 72.3 108.5#
121 0.0 23.7 35.5#

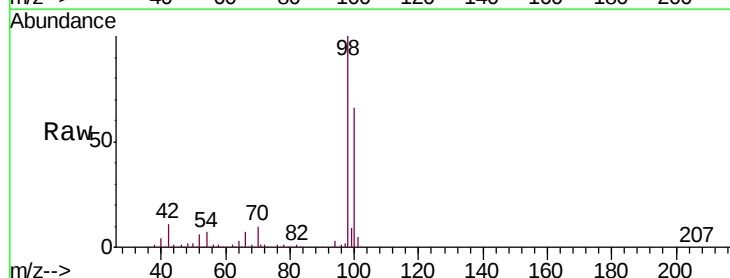


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

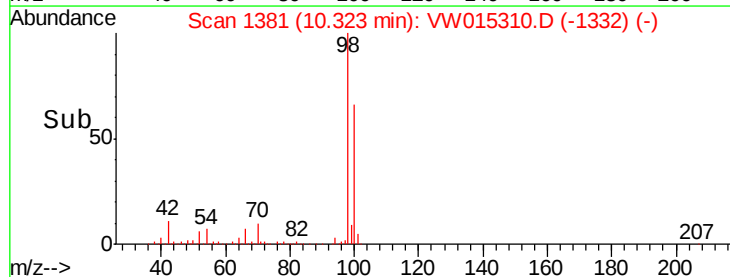
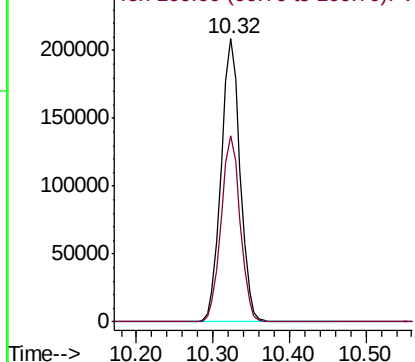


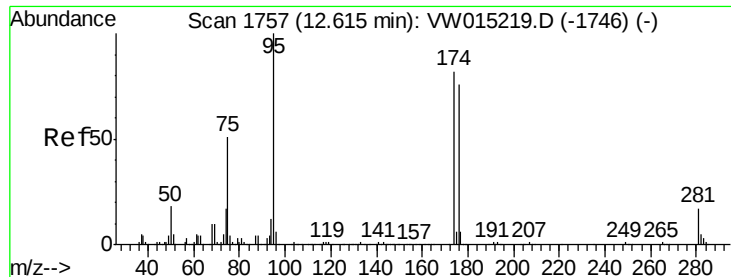
#50
Toluene-d8
Concen: 49.327 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015310.D
Acq: 22 Apr 2020 16:04

Tgt Ion: 98 Resp: 357050
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 41.740 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW015310.D

Acq: 22 Apr 2020 16:04

Instrument :

MSVOA_W

ClientSampleId :

TT-018-IDWSO-20200421

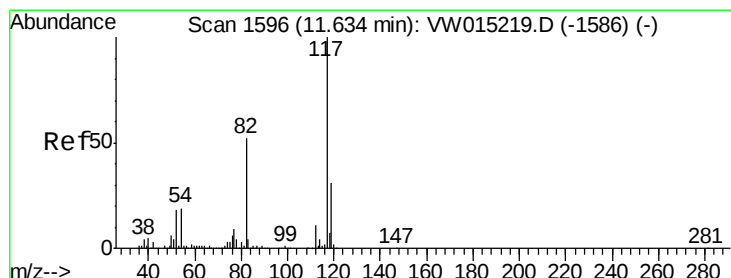
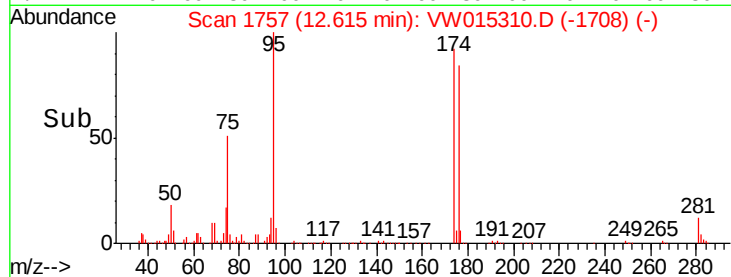
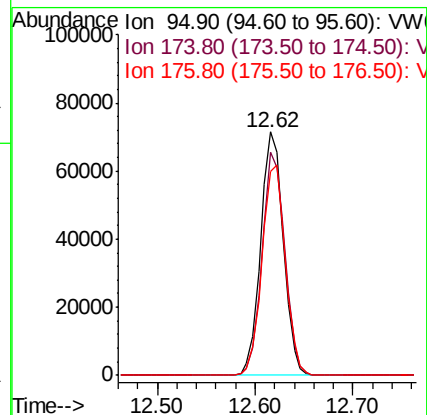
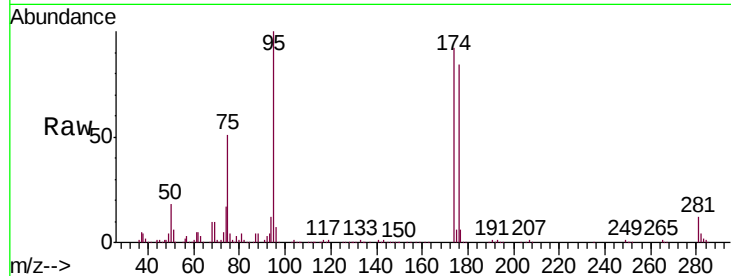
Tgt Ion: 95 Resp: 115277

Ion Ratio Lower Upper

95 100

174 91.5 0.0 144.4

176 88.6 0.0 140.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW015310.D

Acq: 22 Apr 2020 16:04

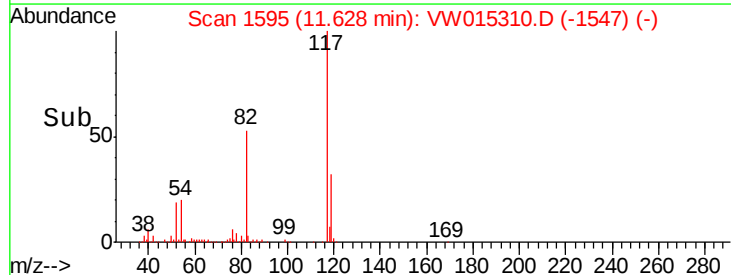
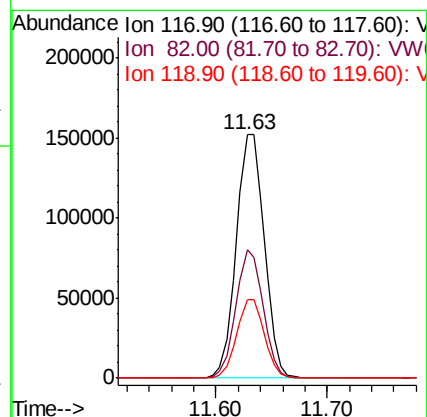
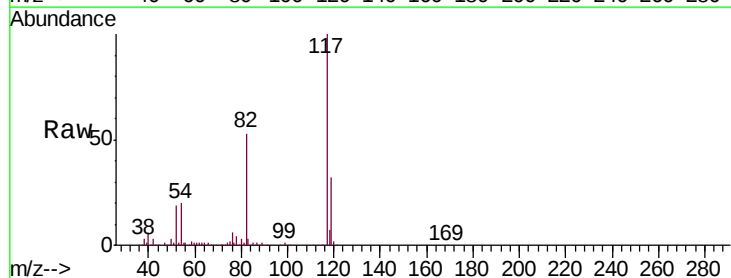
Tgt Ion: 117 Resp: 265862

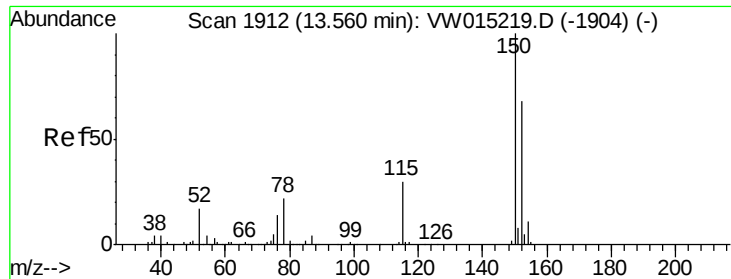
Ion Ratio Lower Upper

117 100

82 52.8 44.1 66.1

119 32.2 24.9 37.3



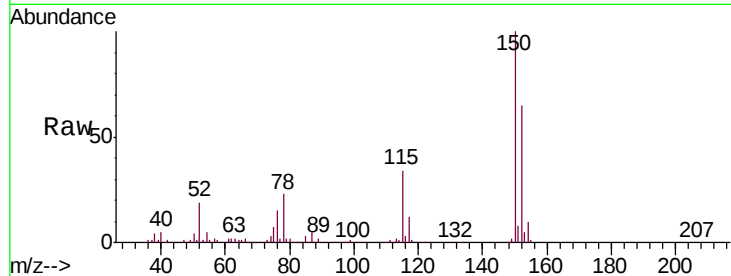


#72

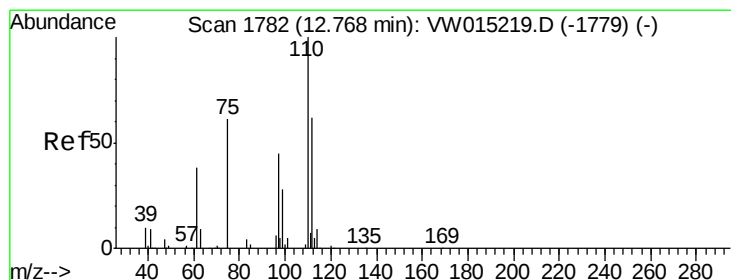
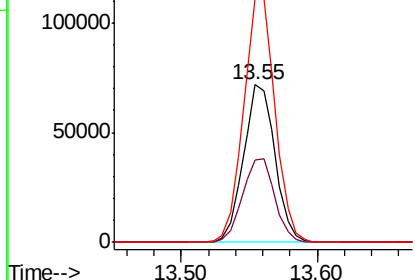
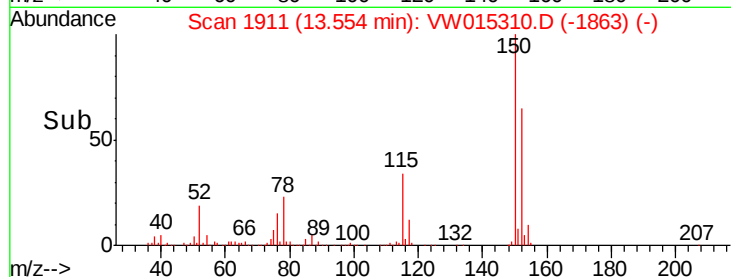
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW015310.D
Acq: 22 Apr 2020 16:04

Instrument :
MSVOA_W
ClientSampleId :
TT-018-IDWSO-20200421

Tgt Ion: 152 Resp: 115753
Ion Ratio Lower Upper
152 100
115 54.5 31.3 93.9
150 156.4 0.0 343.4



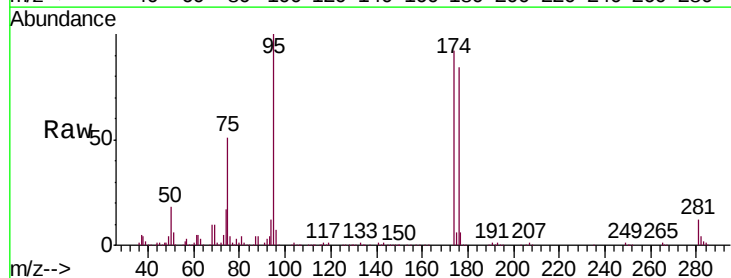
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



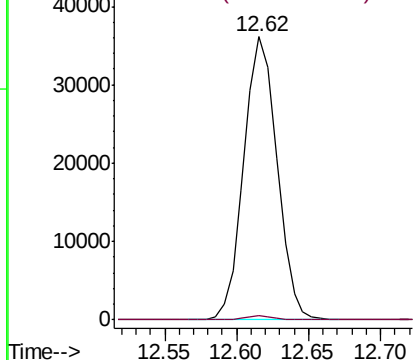
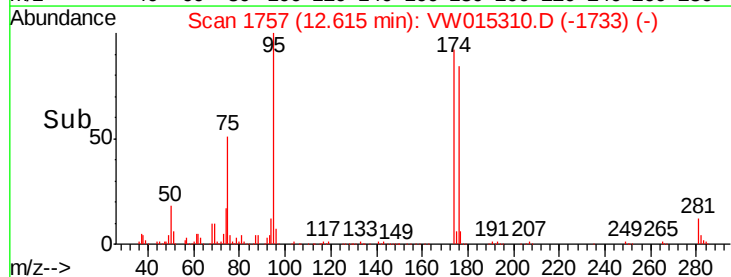
#76

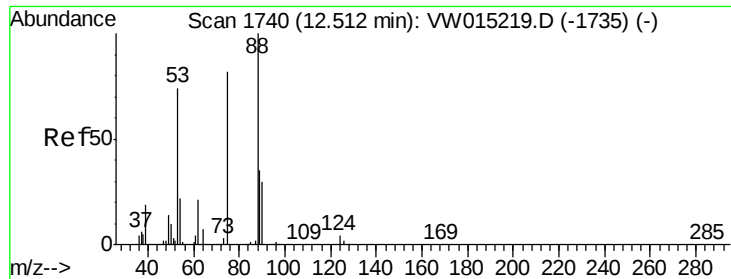
1,2,3-Trichloropropane
Concen: 64.536 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW015310.D
Acq: 22 Apr 2020 16:04

Tgt Ion: 75 Resp: 57790
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



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: 141.075 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015310.D

Acq: 22 Apr 2020 16:04

Instrument :

MSVOA_W

ClientSampleId :

TT-018-IDWSO-20200421

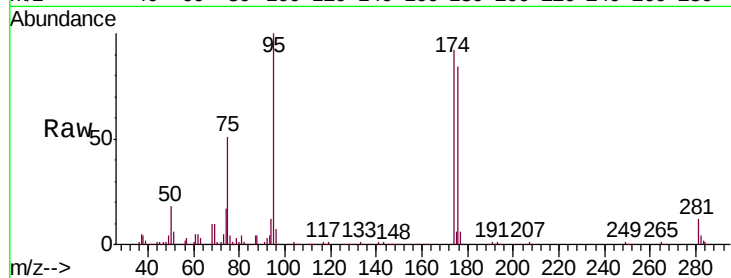
Tgt Ion: 75 Resp: 57790

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.0 34.8 52.2#



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

