

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015273.D
 Acq On : 21 Apr 2020 19:44
 Operator : SY/VA
 Sample : L2314-07
 Misc : 5.31G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 22 06:01:03 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

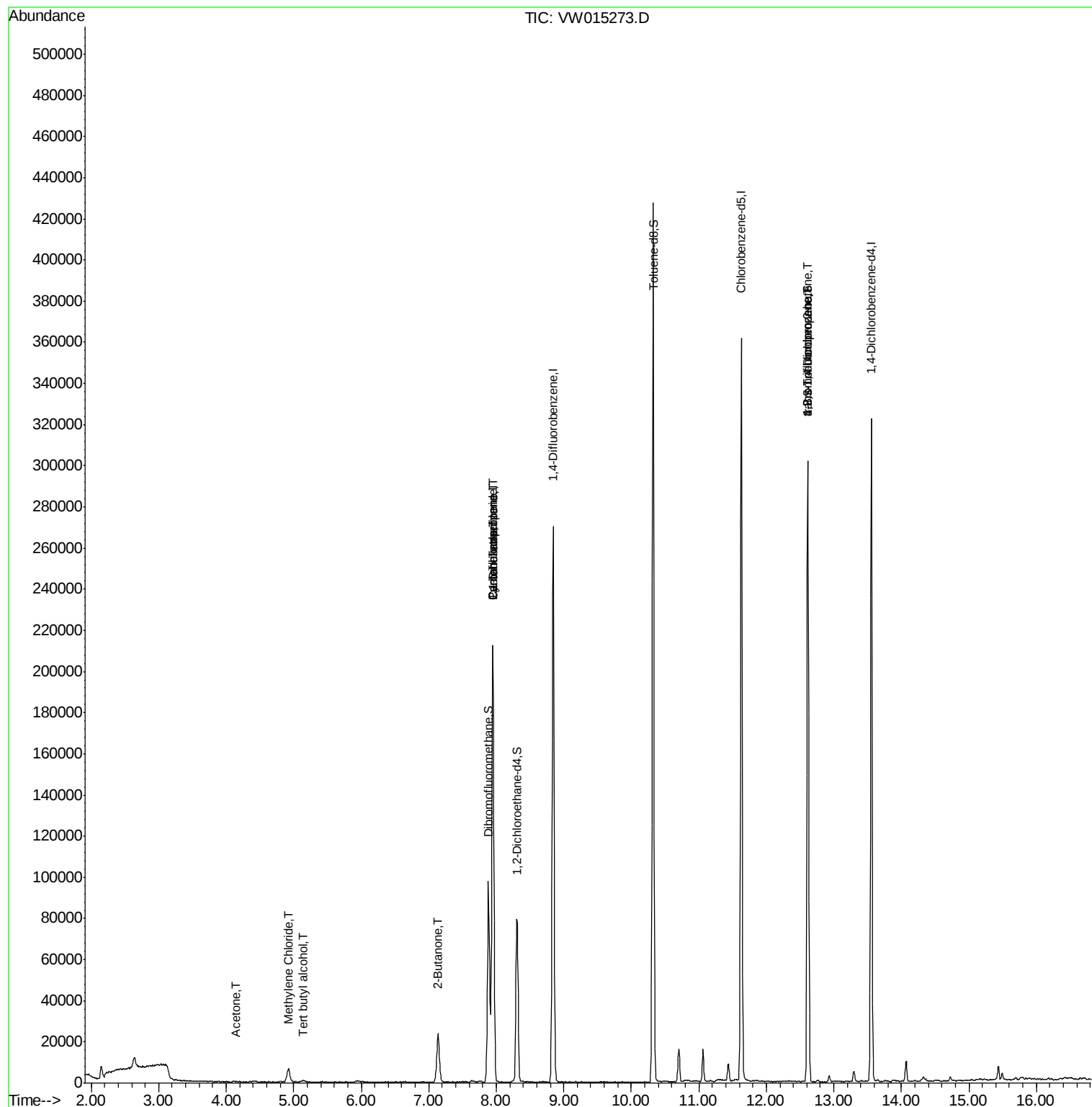
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	177151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	240370	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	208613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	89804	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	64275	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	
35) Dibromofluoromethane	7.88	113	67464	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	10.32	98	286048	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.62	95	91203	42.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.36%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.13	59	553	4.683	ug/l #	82
16) Acetone	4.15	43	657	2.597	ug/l #	41
20) Methylene Chloride	4.92	84	5443	3.282	ug/l #	82
25) 2-Butanone	7.13	43	1588	4.730	ug/l #	70
31) Cyclohexane	7.95	56	3113	1.162	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	11310	5.213	ug/l #	49
38) Carbon Tetrachloride	7.95	117	15622	6.589	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	45533	65.540	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	45533	143.272	ug/l #	15

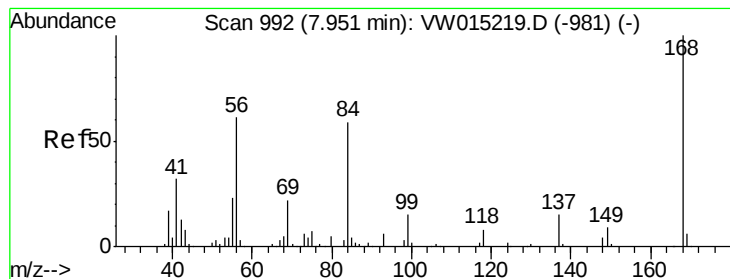
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042120\
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Acq On : 21 Apr 2020 19:44
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Instrument :
MSVOA_W
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Quant Time: Apr 22 06:01:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 21 06:39:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015273.D

Acq: 21 Apr 2020 19:44

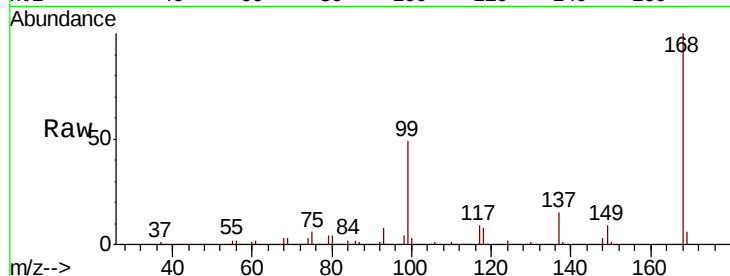
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 177151

Ion Ratio Lower Upper

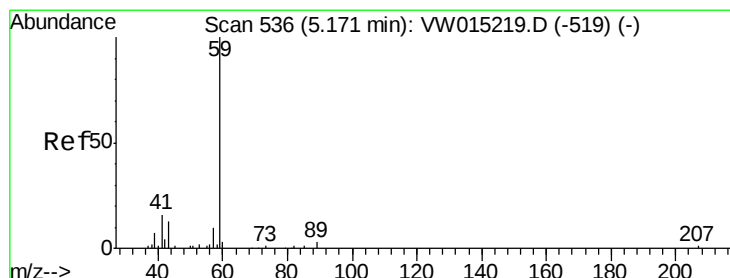
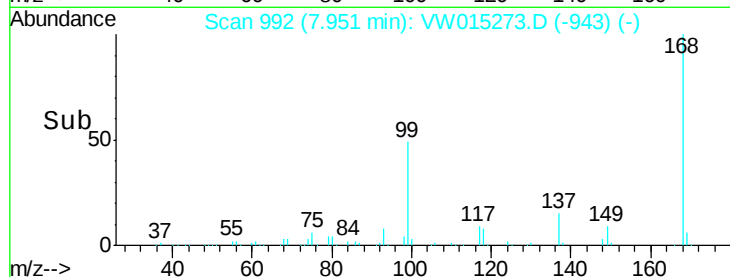
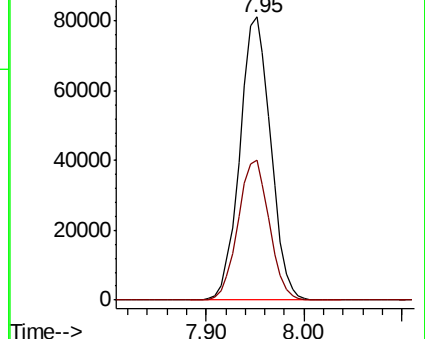
168 100

99 49.4 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 4.683 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW015273.D

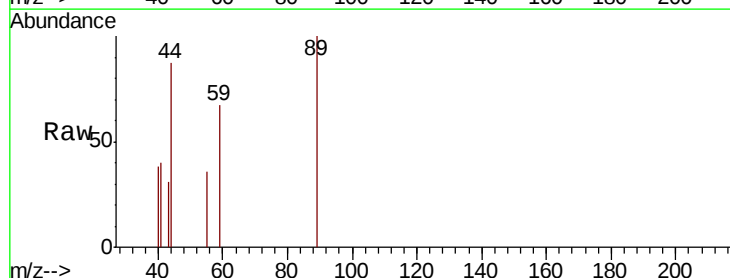
Acq: 21 Apr 2020 19:44

Tgt Ion: 59 Resp: 553

Ion Ratio Lower Upper

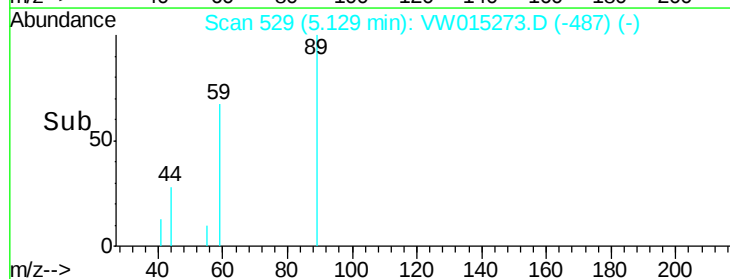
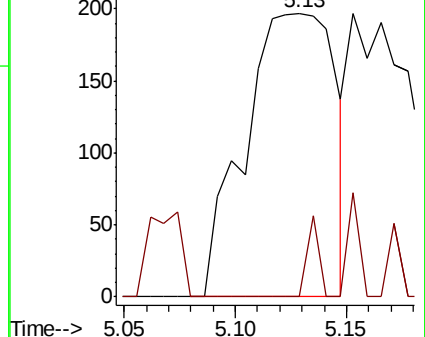
59 100

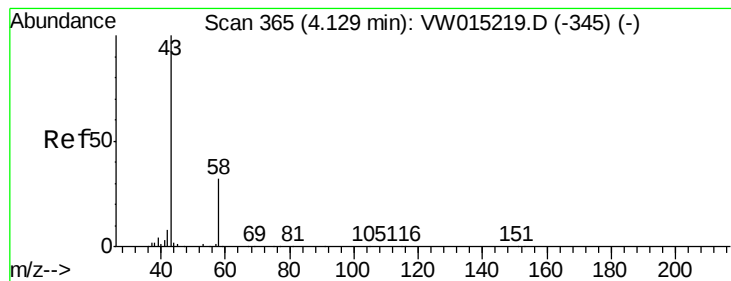
57 3.6 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 2.597 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW015273.D

Acq: 21 Apr 2020 19:44

Instrument :

MSVOA_W

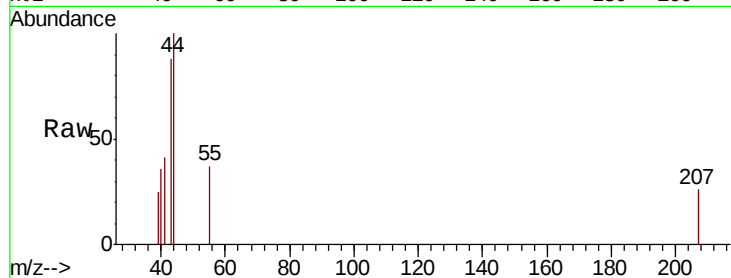
ClientSampleId :

Tot Ion: 43 Resp: 657

Ion Ratio Lower Upper

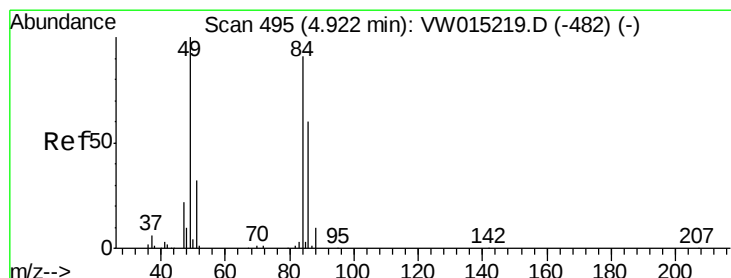
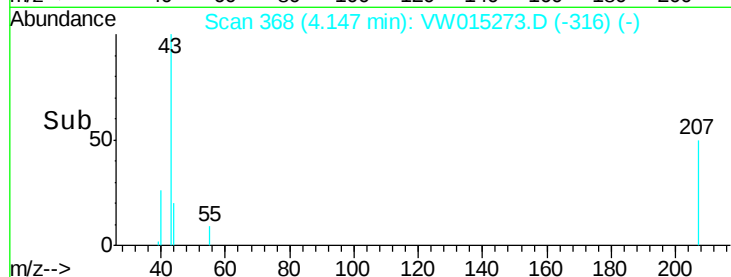
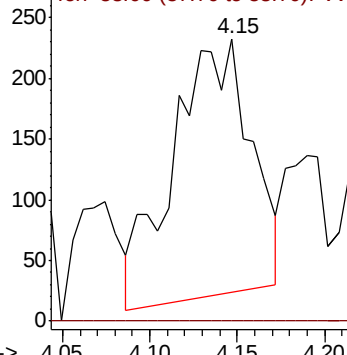
43 100

58 0.0 27.0 40.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 3.282 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW015273.D

Acq: 21 Apr 2020 19:44

Tgt Ion: 84 Resp: 5443

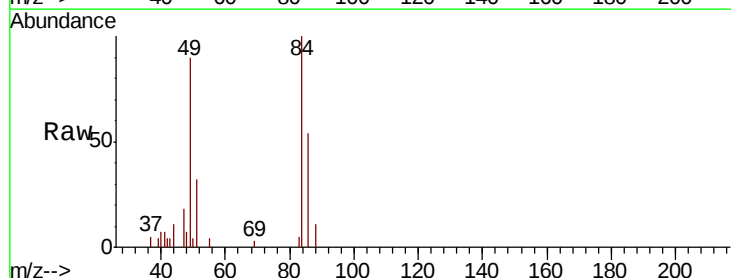
Ion Ratio Lower Upper

84 100

49 90.2 95.4 143.0#

51 31.7 29.8 44.8

86 54.0 47.4 71.0

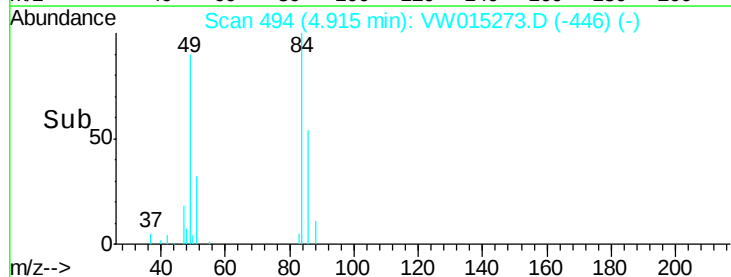
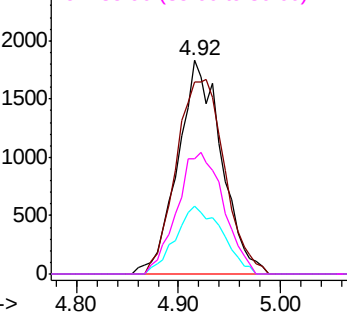


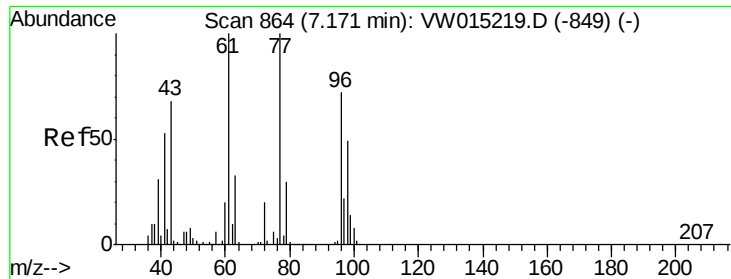
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 4.730 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW015273.D

Acq: 21 Apr 2020 19:44

Instrument :

MSVOA_W

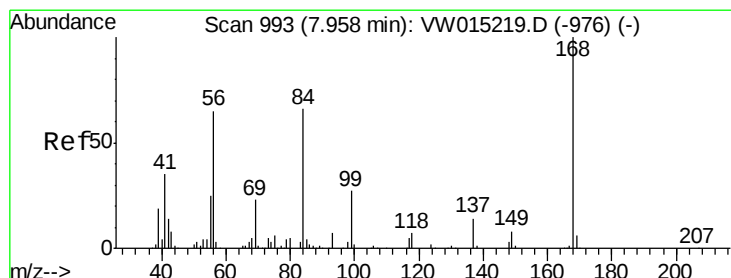
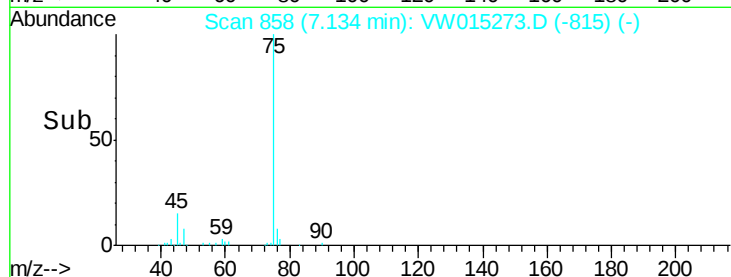
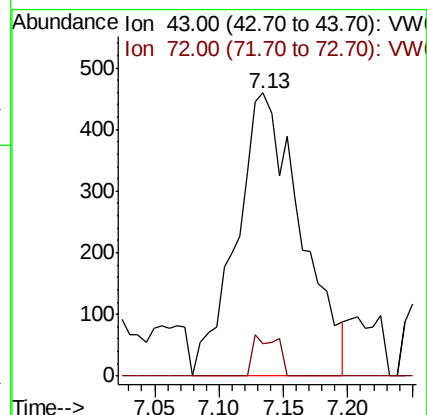
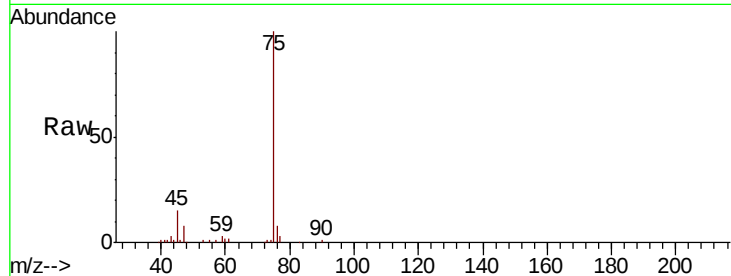
ClientSampled :

Tot Ion: 43 Resp: 1588

Ion Ratio Lower Upper

43 100

72 11.5 21.6 32.4#



#31

Cyclohexane

Concen: 1.162 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015273.D

Acq: 21 Apr 2020 19:44

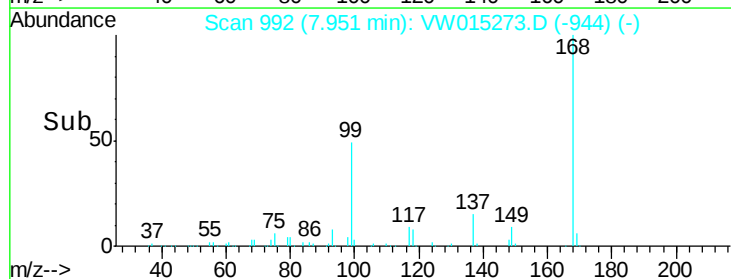
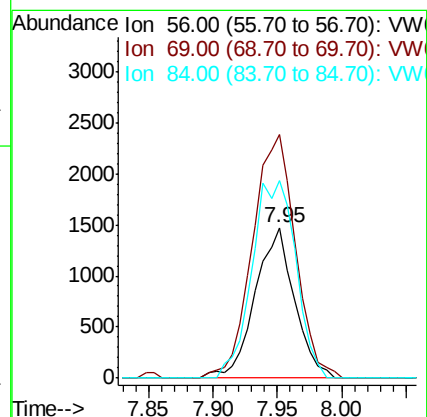
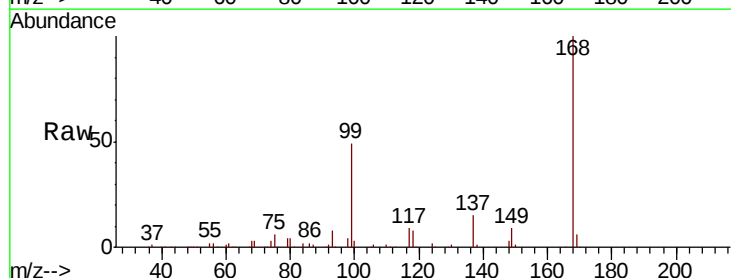
Tgt Ion: 56 Resp: 3113

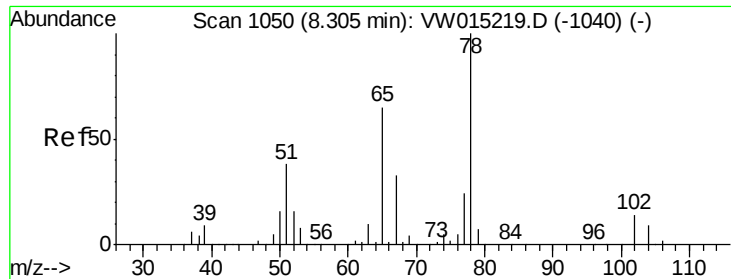
Ion Ratio Lower Upper

56 100

69 162.0 27.1 40.7#

84 131.8 71.9 107.9#

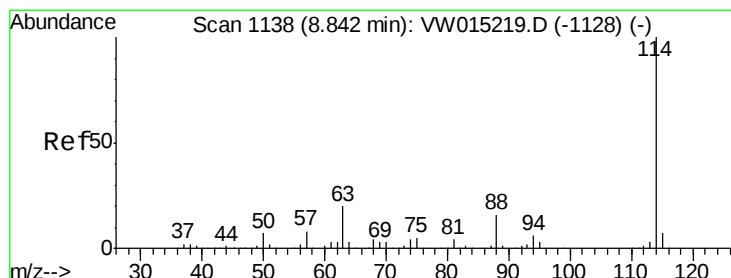
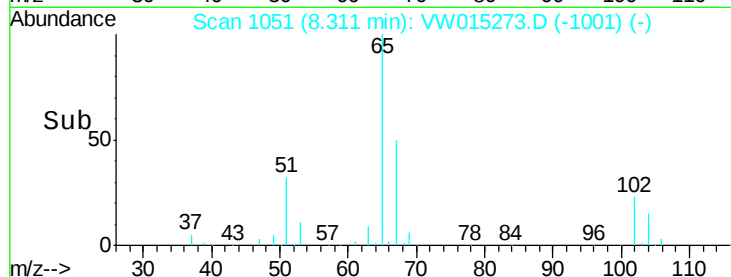
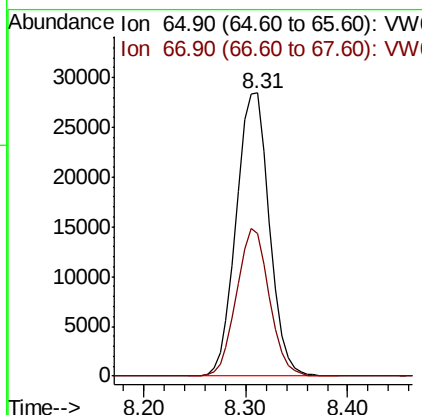
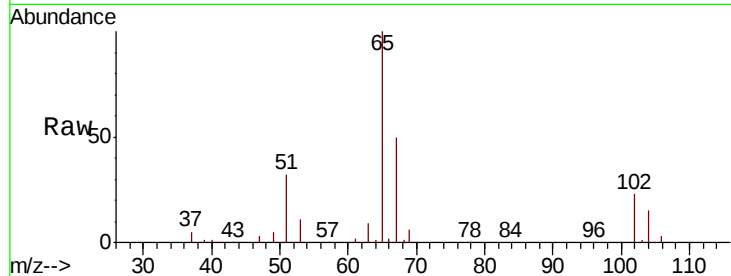




#33
 1,2-Dichloroethane-d4
 Concen: 44.369 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW015273.D
 Acq: 21 Apr 2020 19:44

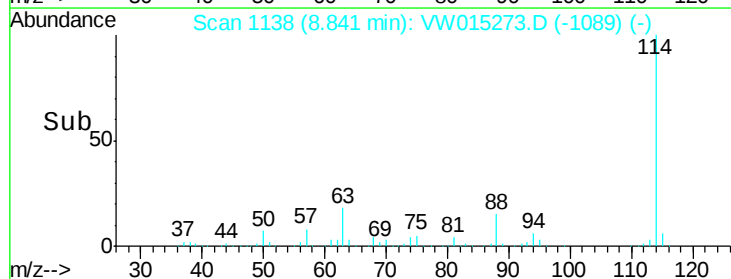
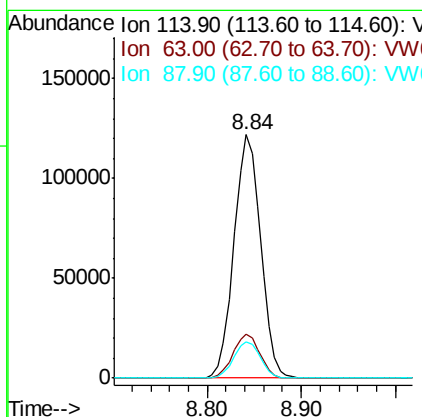
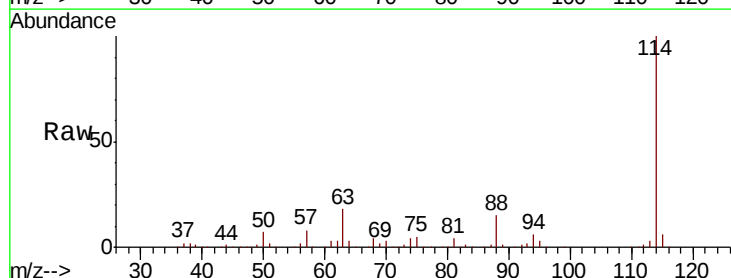
Instrument :
 MSVOA_W
 ClientSampled :

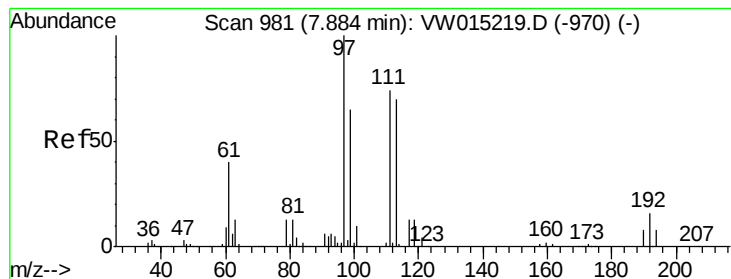
Tot Ion: 65 Resp: 64275
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015273.D
 Acq: 21 Apr 2020 19:44

Tgt Ion: 114 Resp: 240370
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 39.8
 88 15.0 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.669 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW015273.D

Acq: 21 Apr 2020 19:44

Instrument :

MSVOA_W

ClientSampleId :

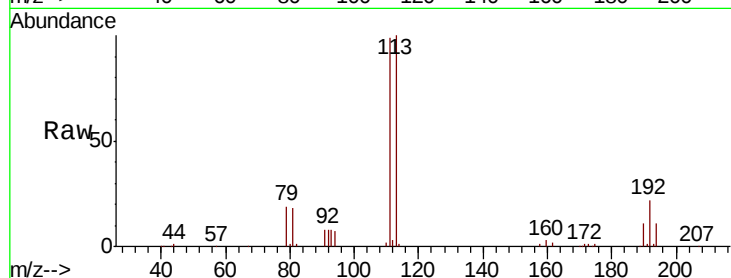
Tot Ion:113 Resp: 67464

Ion Ratio Lower Upper

113 100

111 103.4 83.0 124.4

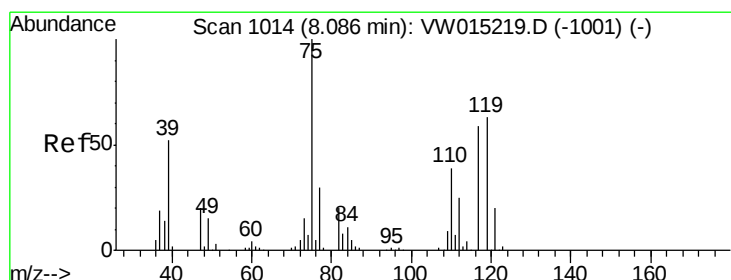
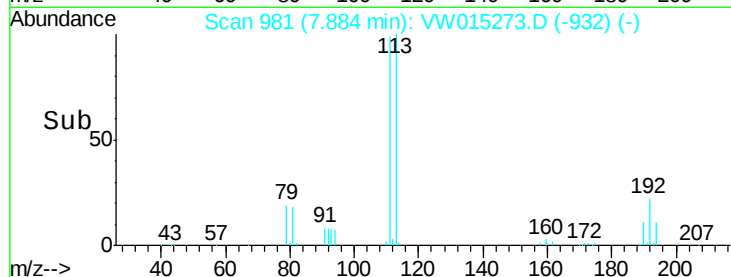
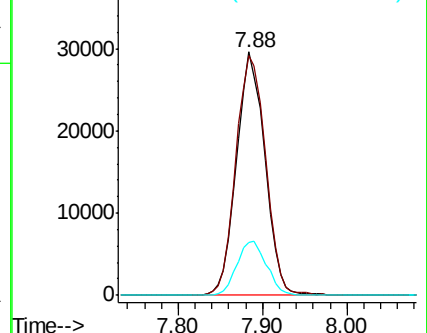
192 23.0 15.1 22.7#



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: 5.213 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW015273.D

Acq: 21 Apr 2020 19:44

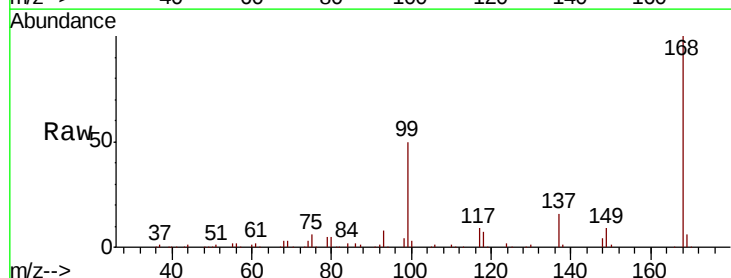
Tgt Ion: 75 Resp: 11310

Ion Ratio Lower Upper

75 100

110 8.5 18.2 54.6#

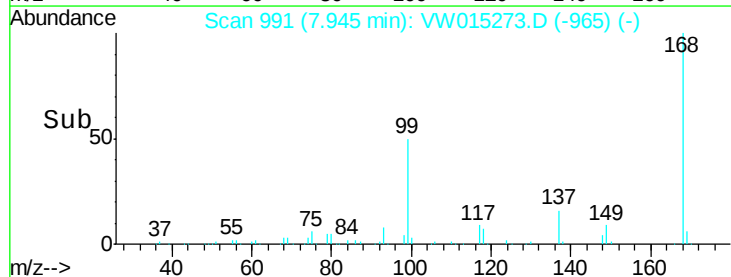
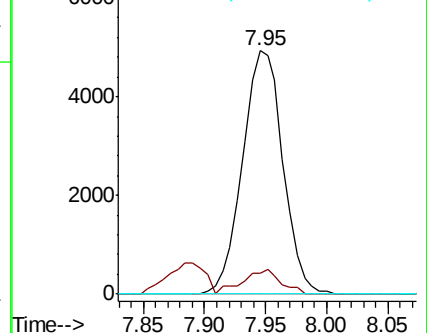
77 0.0 24.5 36.7#

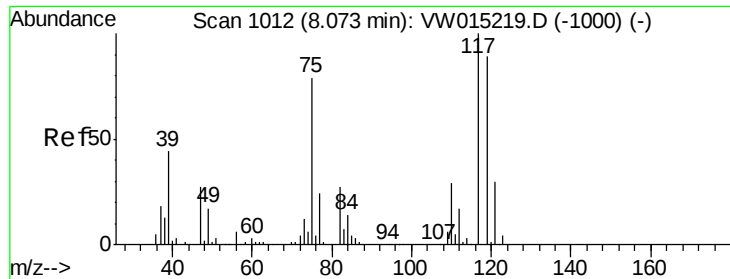


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

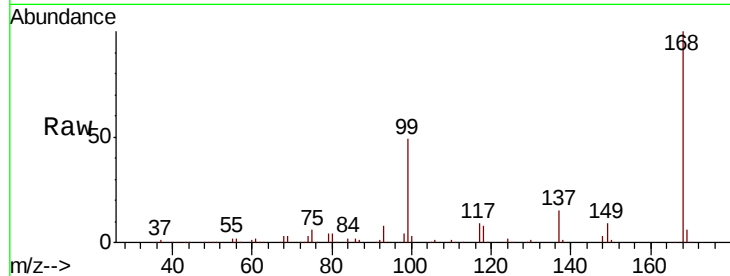




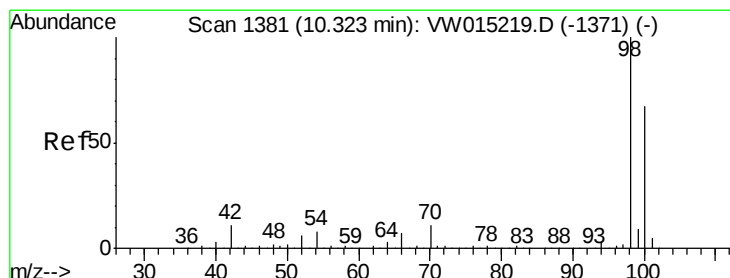
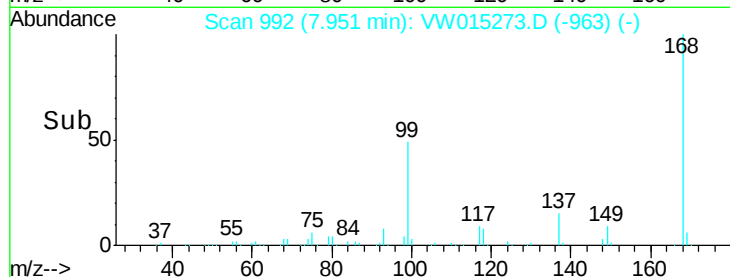
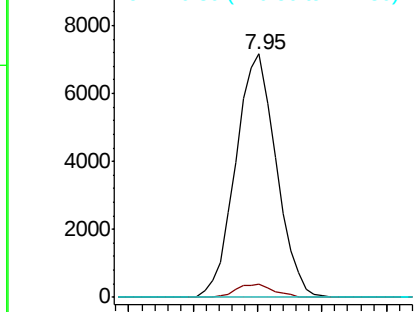
#38
Carbon Tetrachloride
Concen: 6.589 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW015273.D
Acq: 21 Apr 2020 19:44

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 15622
Ion Ratio Lower Upper
117 100
119 5.3 72.3 108.5#
121 0.0 23.7 35.5#

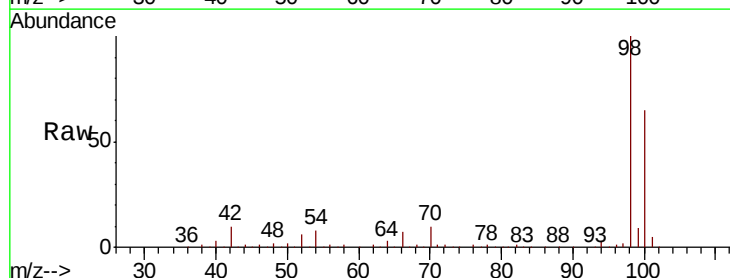


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

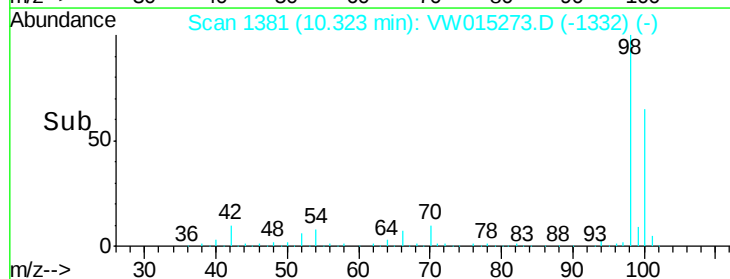
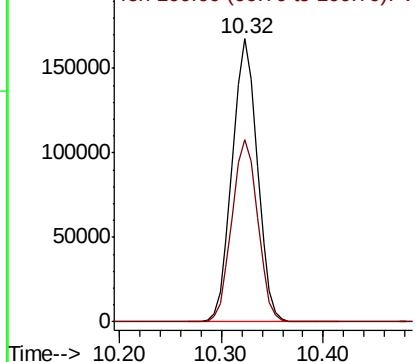


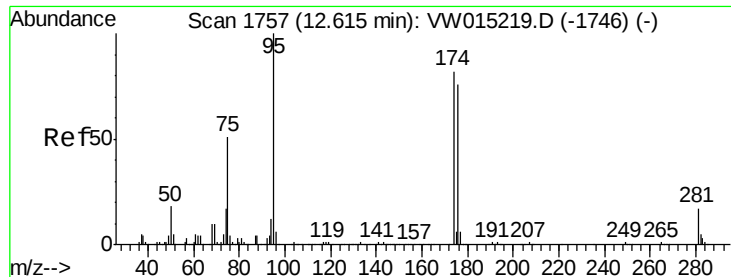
#50
Toluene-d8
Concen: 51.071 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW015273.D
Acq: 21 Apr 2020 19:44

Tgt Ion: 98 Resp: 286048
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): VW





#62

4-Bromofluorobenzene

Concen: 42.677 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW015273.D

Acq: 21 Apr 2020 19:44

Instrument :

MSVOA_W

ClientSampleId :

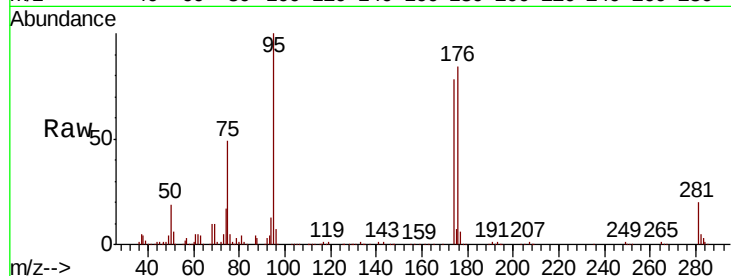
Tot Ion: 95 Resp: 91203

Ion Ratio Lower Upper

95 100

174 85.4 0.0 144.4

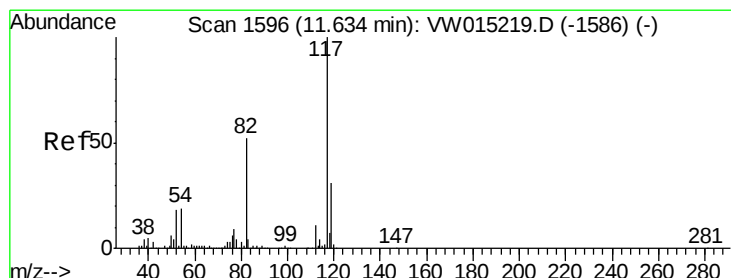
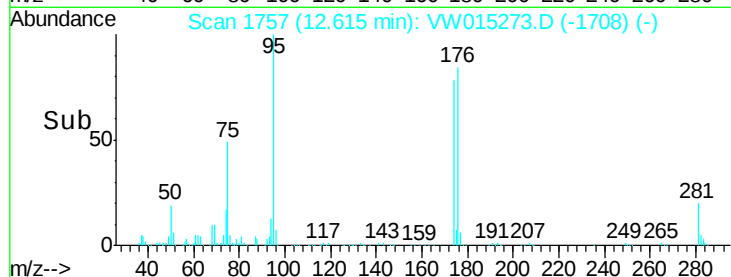
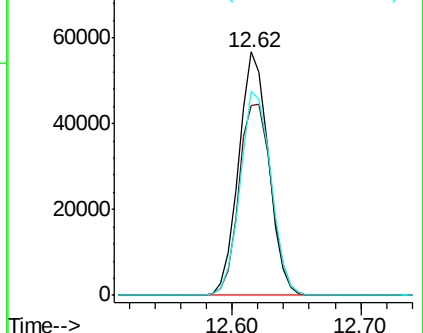
176 86.4 0.0 140.6



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. -0.01 min

Lab File: VW015273.D

Acq: 21 Apr 2020 19:44

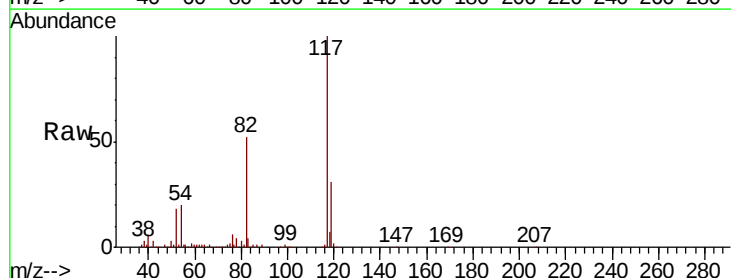
Tgt Ion: 117 Resp: 208613

Ion Ratio Lower Upper

117 100

82 52.1 44.1 66.1

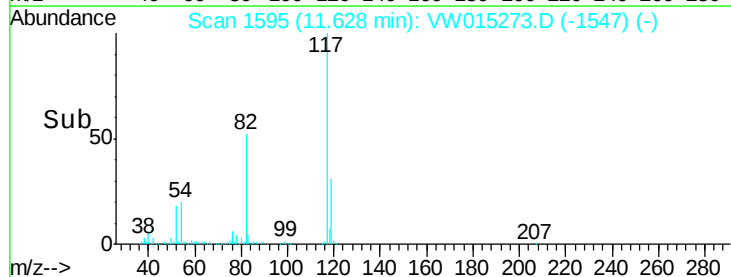
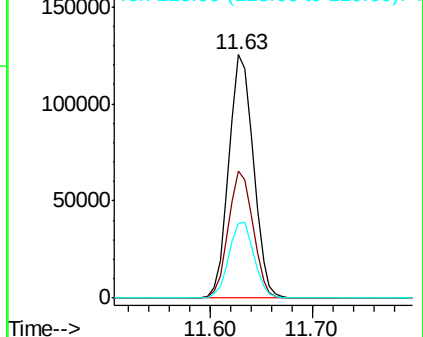
119 30.7 24.9 37.3

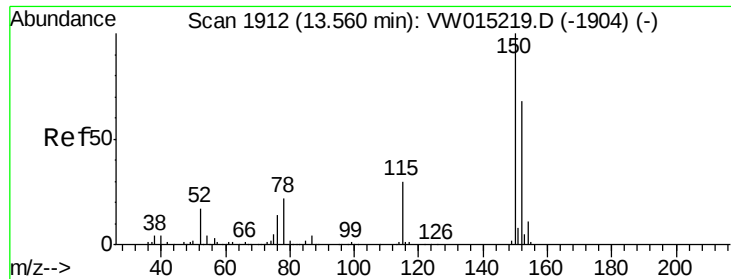


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW015273.D

Acq: 21 Apr 2020 19:44

Instrument :

MSVOA_W

ClientSampleId :

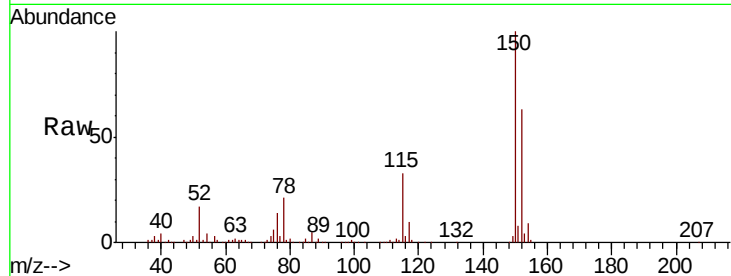
Tot Ion:152 Resp: 89804

Ion Ratio Lower Upper

152 100

115 54.1 31.3 93.9

150 157.9 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

120000

100000

80000

60000

40000

20000

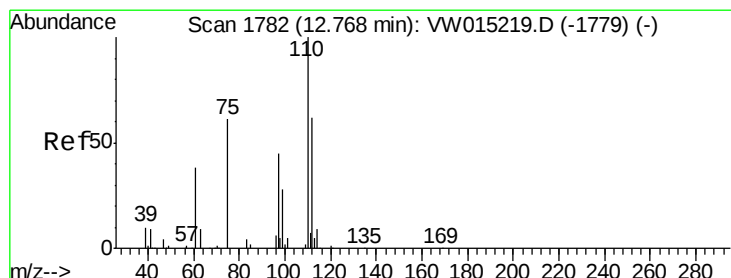
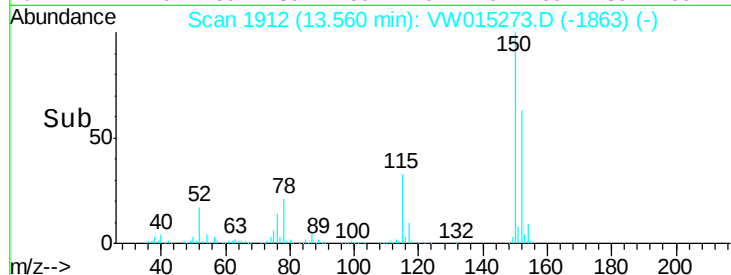
0

13.56

13.50

13.60

Time-->



#76

1,2,3-Trichloropropane

Concen: 65.540 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015273.D

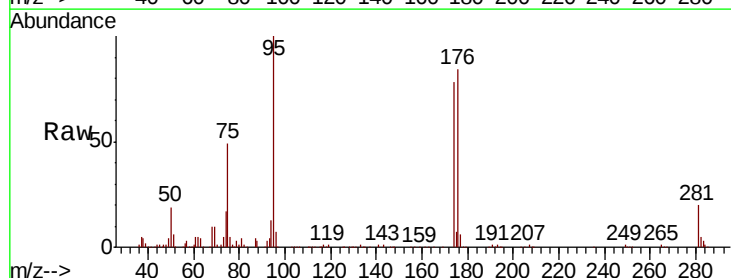
Acq: 21 Apr 2020 19:44

Tgt Ion: 75 Resp: 45533

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

30000

25000

20000

15000

10000

5000

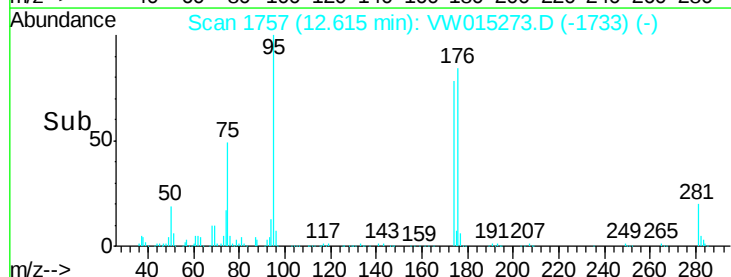
0

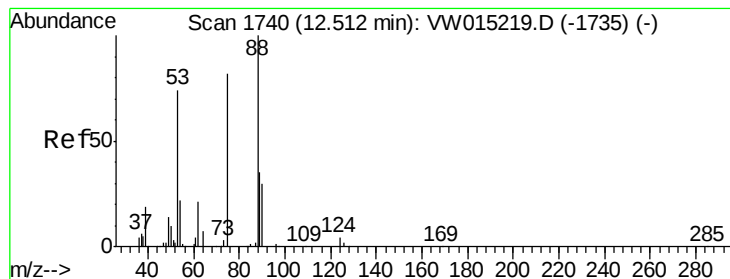
12.62

12.60

12.70

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 143.272 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015273.D

Acq: 21 Apr 2020 19:44

Instrument :

MSVOA_W

ClientSampleId :

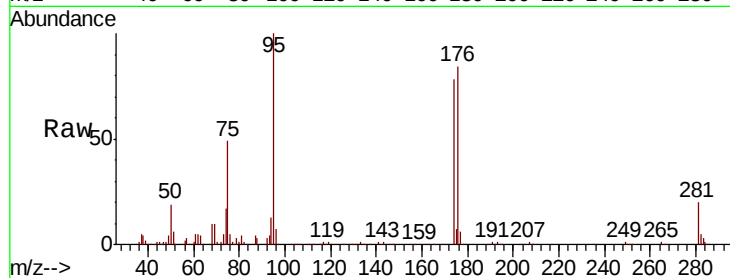
Tot Ion: 75 Resp: 45533

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.1 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

