

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062220\
 Data File : VW015644.D
 Acq On : 22 Jun 2020 12:49
 Operator : SY/VA
 Sample : VW0622SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0622SBL01

Quant Time: Jun 23 05:44:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 02 13:57:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	202100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	316428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	286991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	133046	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	110398	51.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.36%	
35) Dibromofluoromethane	7.88	113	94718	50.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.58%	
50) Toluene-d8	10.32	98	377975	50.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.62	95	133349	48.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.34%	

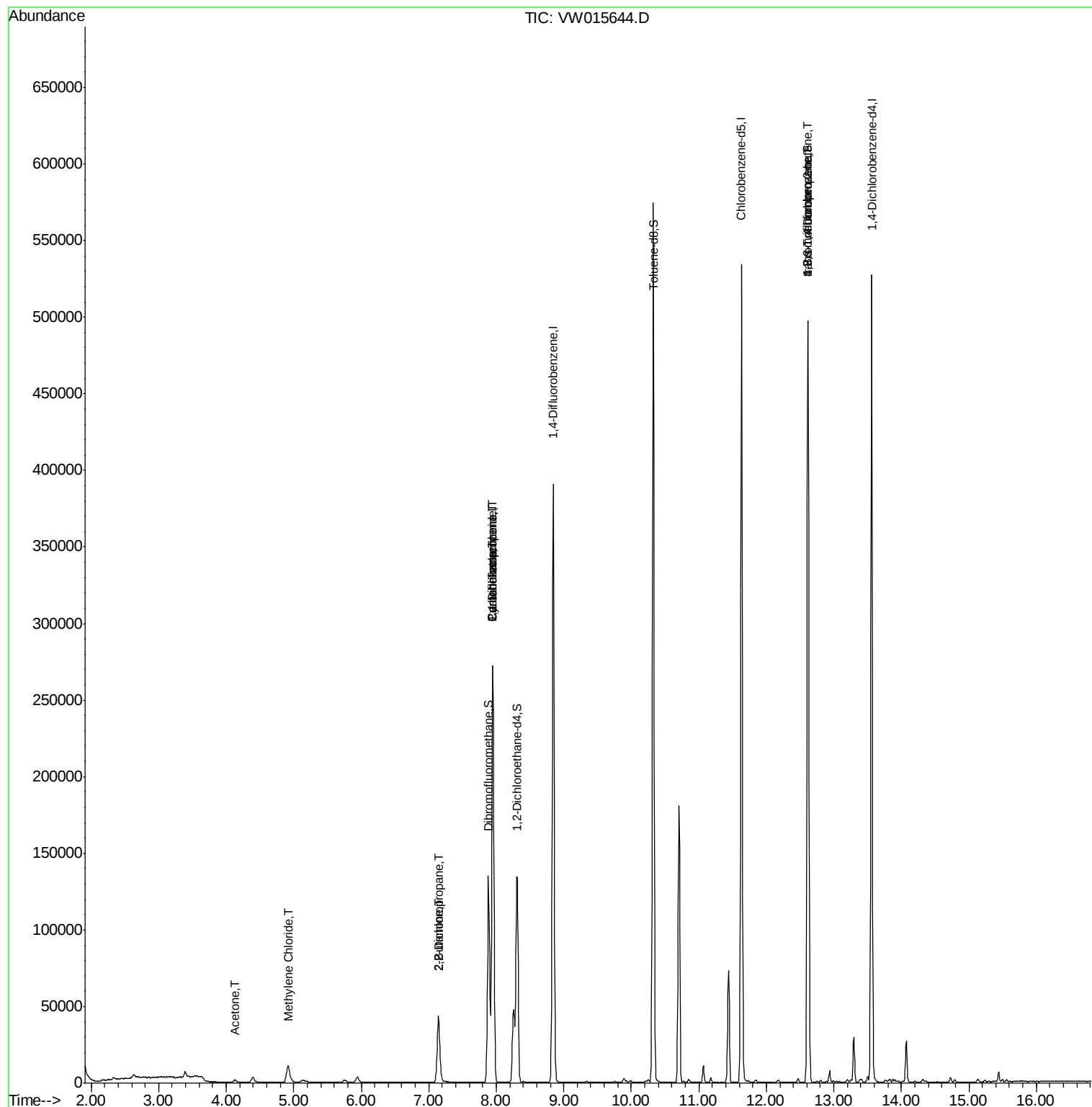
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	1714	Below Cal	#	78
16) Acetone	4.13	43	2861	4.253	ug/l	96
20) Methylene Chloride	4.92	84	8346	3.733	ug/l	91
25) 2-Butanone	7.15	43	2874	5.013	ug/l #	68
26) 2,2-Dichloropropane	7.15	77	3048	1.097	ug/l #	54
31) Cyclohexane	7.95	56	5068	1.311	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	16686	5.212	ug/l #	50
38) Carbon Tetrachloride	7.95	117	20785	6.631	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	73037	65.099	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73037	140.222	ug/l #	8

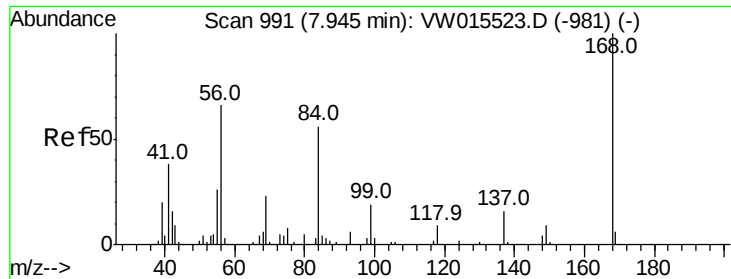
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 02 13:57:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW015644.D

Acq: 22 Jun 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

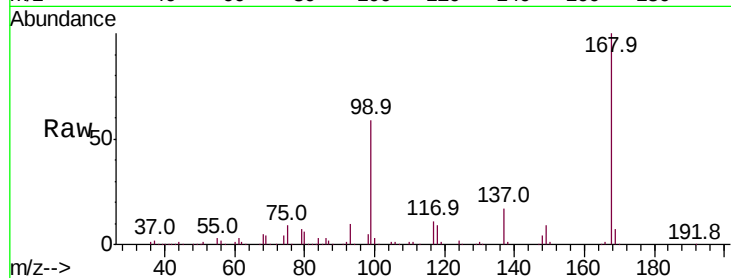
VW0622SBL01

Tot Ion:168 Resp: 202100

Ion Ratio Lower Upper

168 100

99 59.1 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

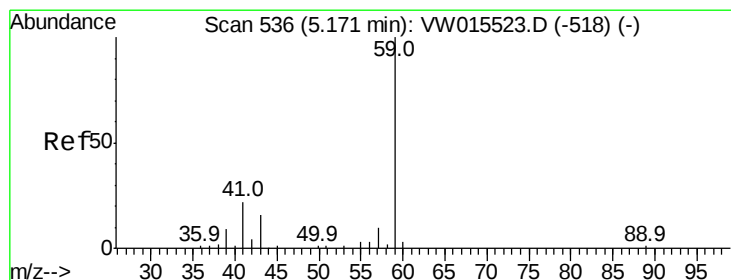
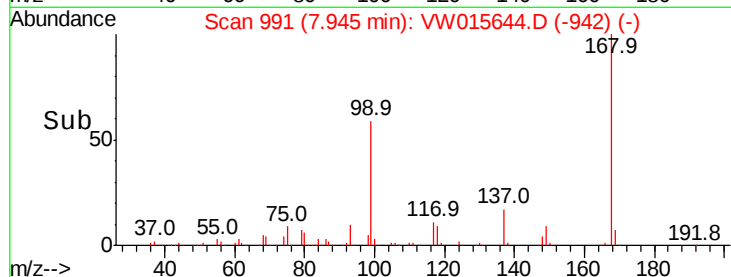
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW015644.D

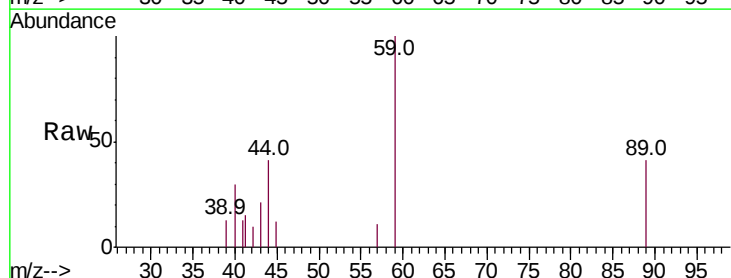
Acq: 22 Jun 2020 12:49

Tgt Ion: 59 Resp: 1714

Ion Ratio Lower Upper

59 100

57 2.3 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

600

500

400

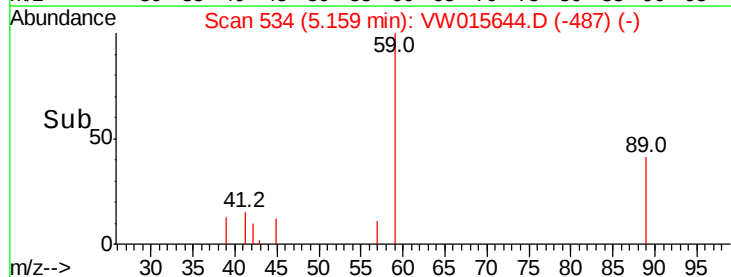
300

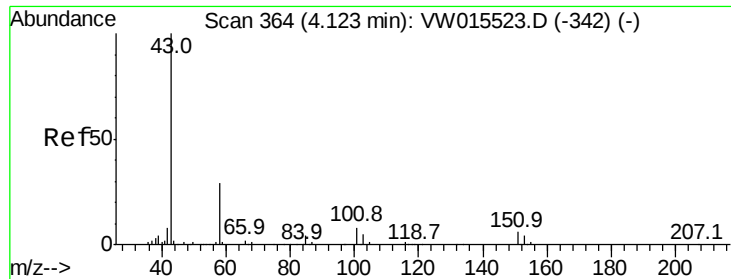
200

100

0

Time--> 5.10 5.15 5.20 5.25





#16

Acetone

Concen: 4.253 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015644.D

Acq: 22 Jun 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

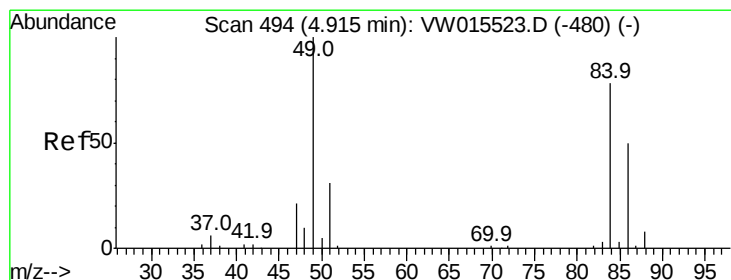
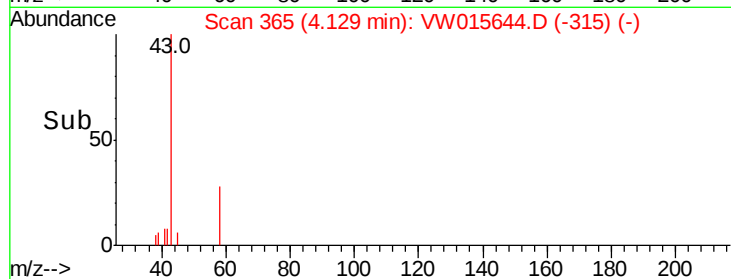
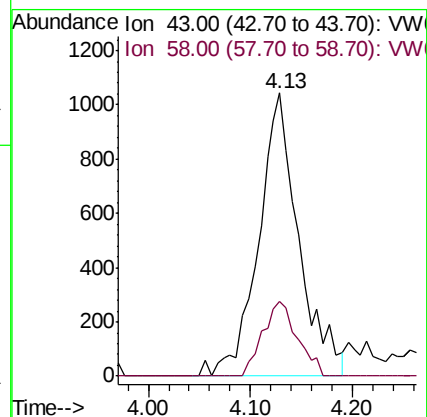
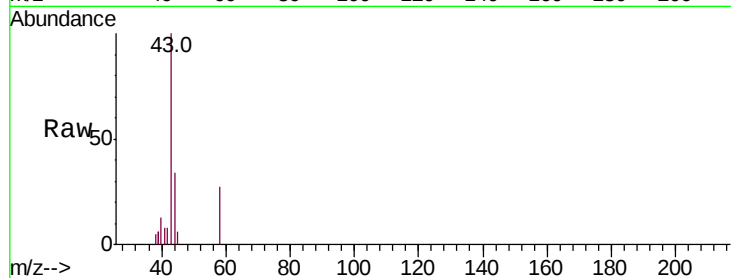
VW0622SBL01

Tot Ion: 43 Resp: 2861

Ion Ratio Lower Upper

43 100

58 26.7 23.1 34.7



#20

Methylene Chloride

Concen: 3.733 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW015644.D

Acq: 22 Jun 2020 12:49

Tgt Ion: 84 Resp: 8346

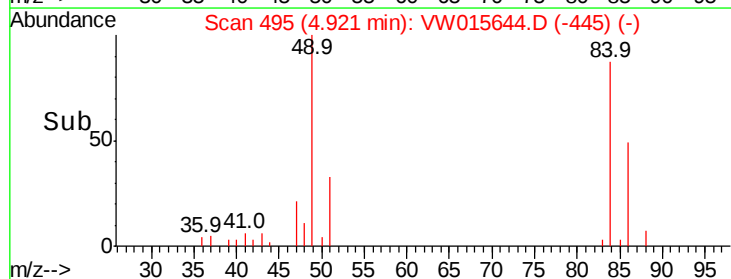
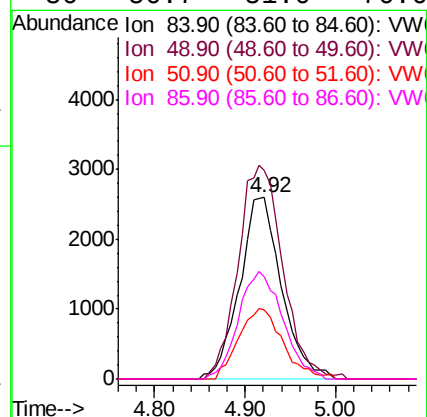
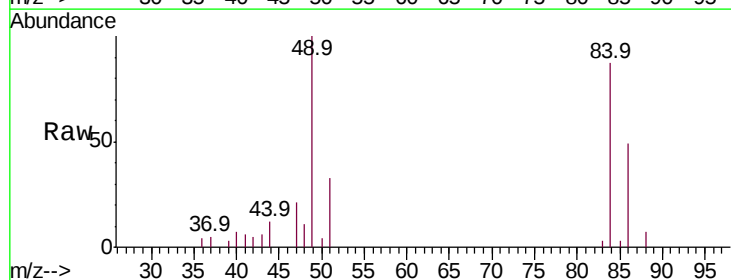
Ion Ratio Lower Upper

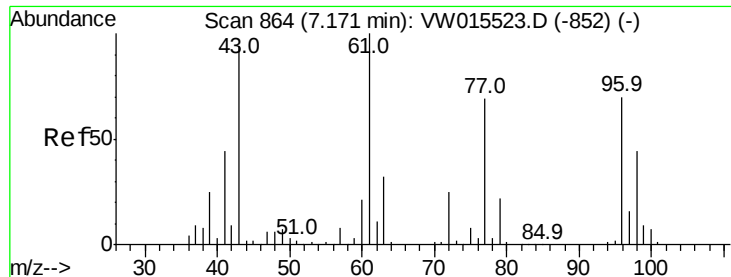
84 100

49 114.8 102.8 154.2

51 38.0 31.4 47.2

86 56.7 51.0 76.6





#25

2-Butanone

Concen: 5.013 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW015644.D

Acq: 22 Jun 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

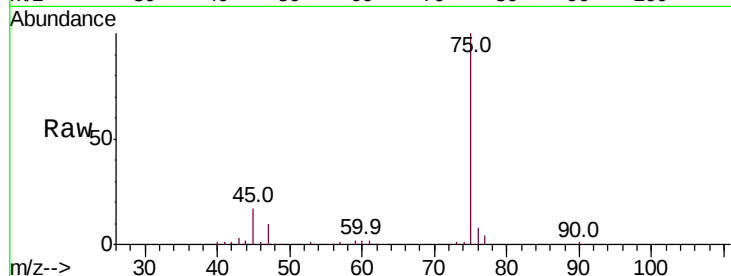
VW0622SBL01

Tot Ion: 43 Resp: 2874

Ion Ratio Lower Upper

43 100

72 10.0 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.15

800

600

400

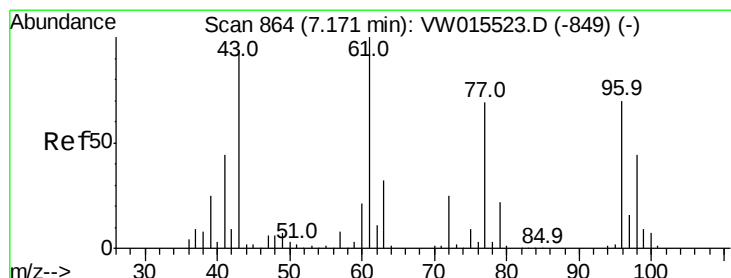
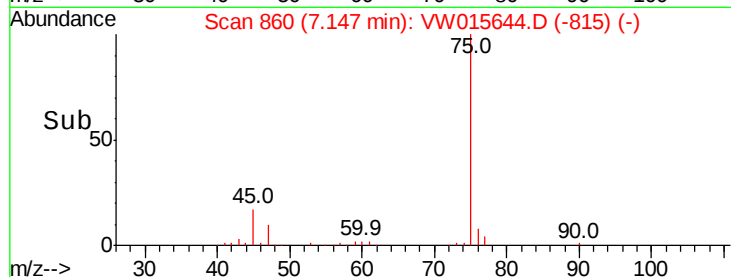
200

0

7.10

7.20

Time-->



#26

2,2-Dichloropropane

Concen: 1.097 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW015644.D

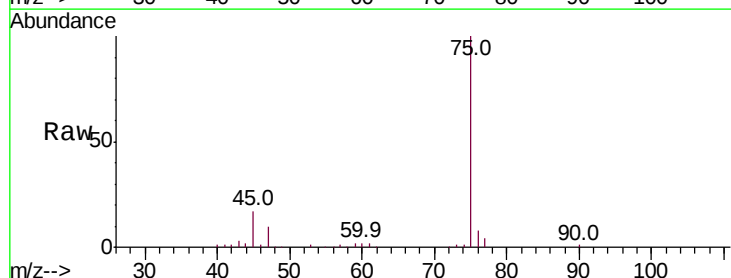
Acq: 22 Jun 2020 12:49

Tgt Ion: 77 Resp: 3048

Ion Ratio Lower Upper

77 100

97 0.0 11.1 33.3#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.15

1200

1000

800

600

400

200

0

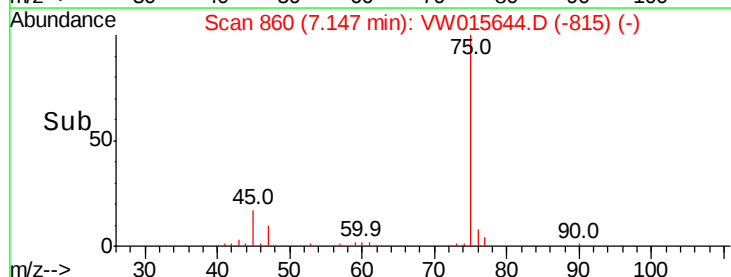
7.05

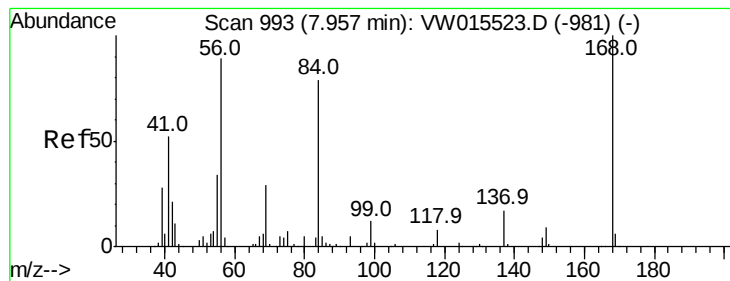
7.10

7.15

7.20

Time-->





#31

Cyclohexane

Concen: 1.311 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015644.D

Acq: 22 Jun 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

VW0622SBL01

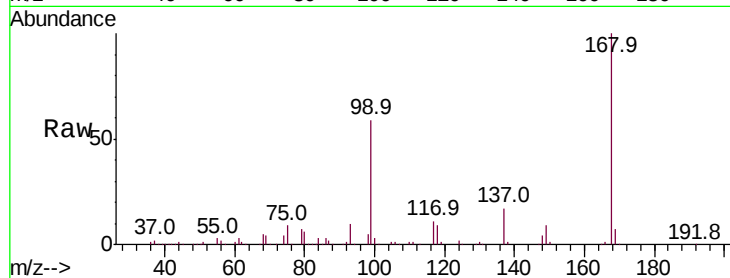
Tot Ion: 56 Resp: 5068

Ion Ratio Lower Upper

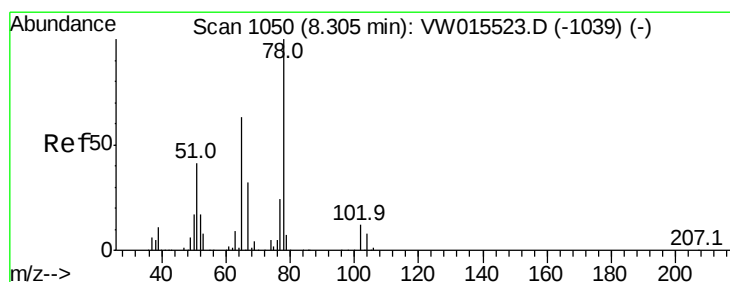
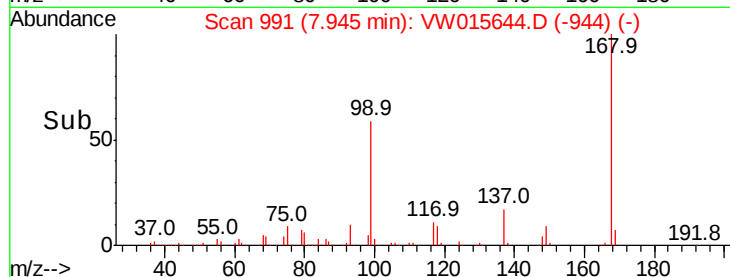
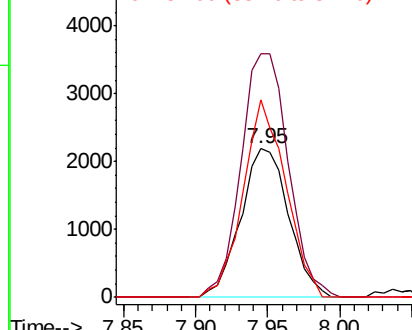
56 100

69 163.4 26.3 39.5#

84 132.7 71.0 106.4#



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: 51.679 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015644.D

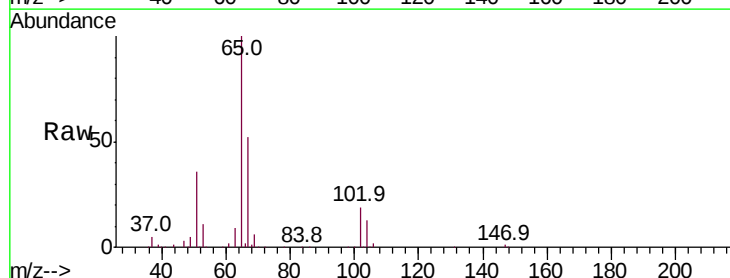
Acq: 22 Jun 2020 12:49

Tgt Ion: 65 Resp: 110398

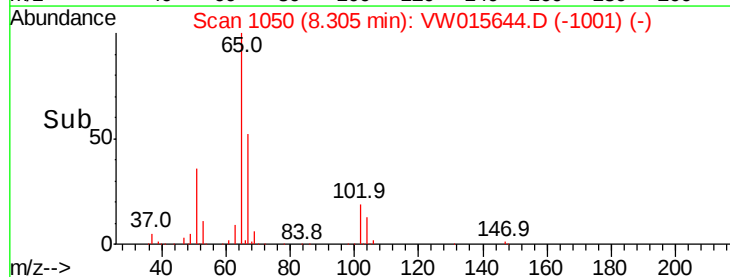
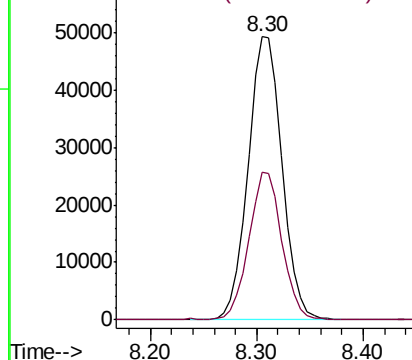
Ion Ratio Lower Upper

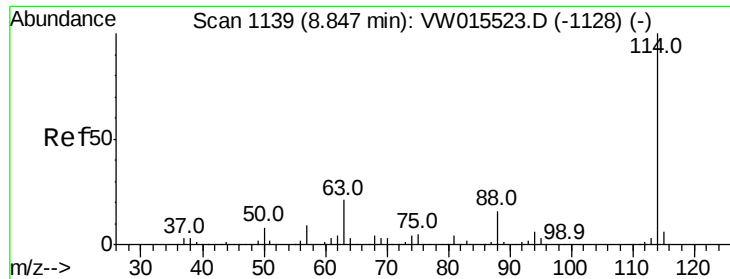
65 100

67 50.9 0.0 100.8



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

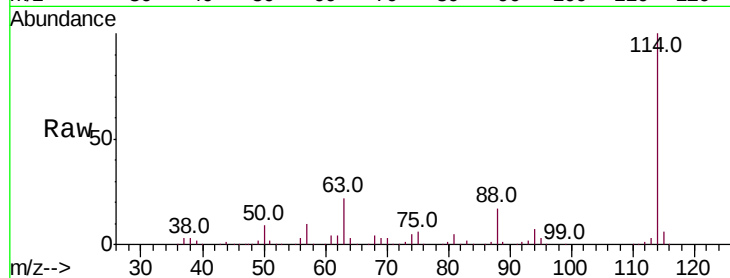




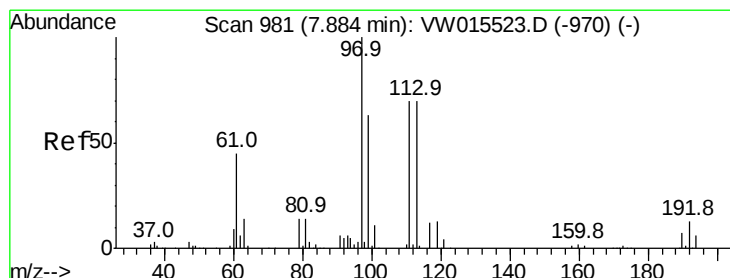
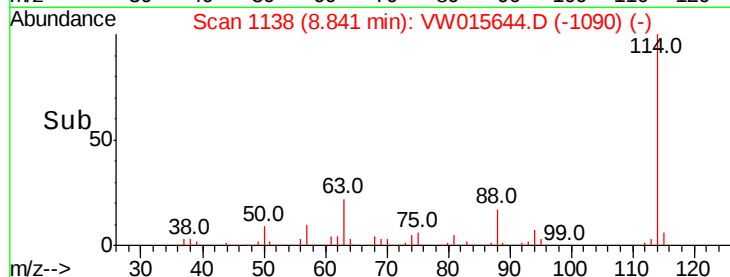
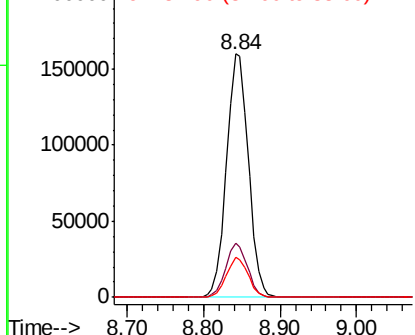
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW015644.D
 Acq: 22 Jun 2020 12:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0622SBL01

Tot Ion:114 Resp: 316428
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 42.0
 88 16.7 0.0 31.8

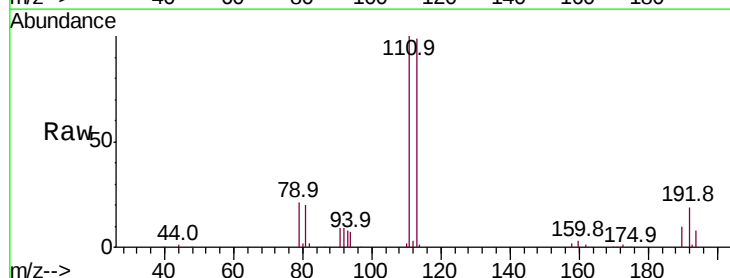


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

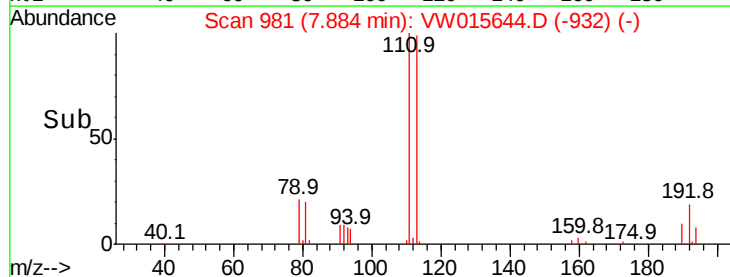
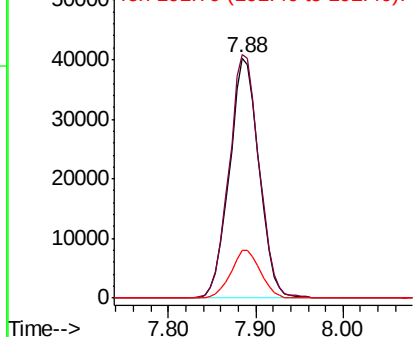


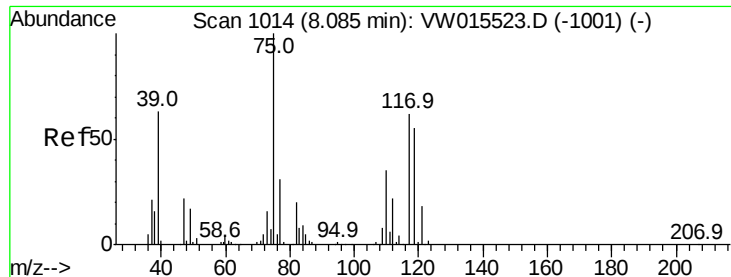
#35
 Dibromofluoromethane
 Concen: 50.786 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015644.D
 Acq: 22 Jun 2020 12:49

Tgt Ion:113 Resp: 94718
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.3 124.9
 192 20.0 15.8 23.6



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: 5.212 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW015644.D

Acq: 22 Jun 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

VW0622SBL01

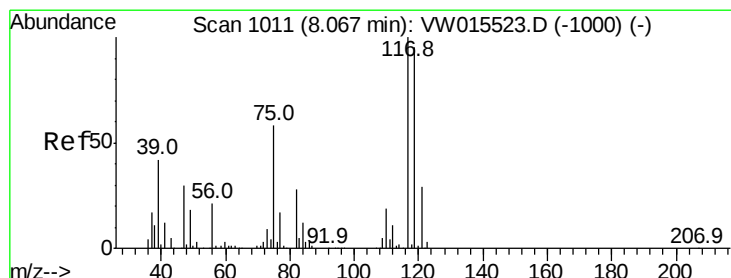
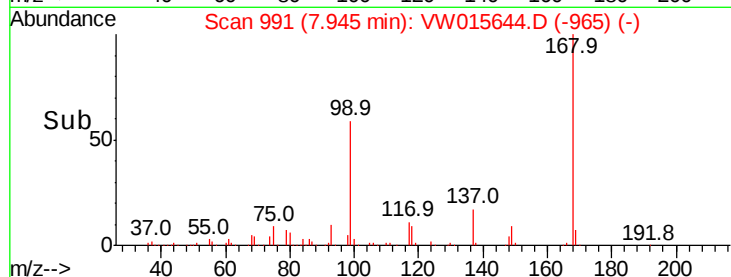
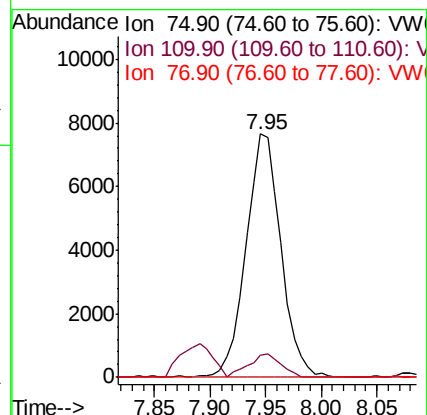
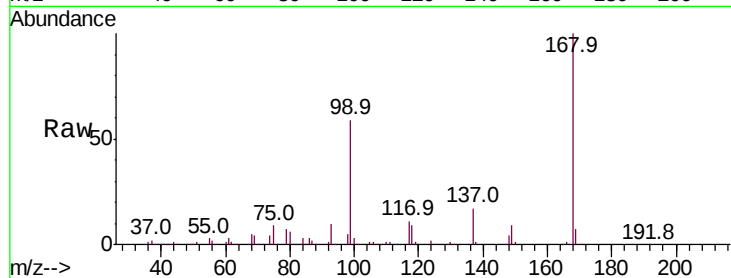
Tot Ion: 75 Resp: 16686

Ion Ratio Lower Upper

75 100

110 8.9 17.2 51.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.631 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW015644.D

Acq: 22 Jun 2020 12:49

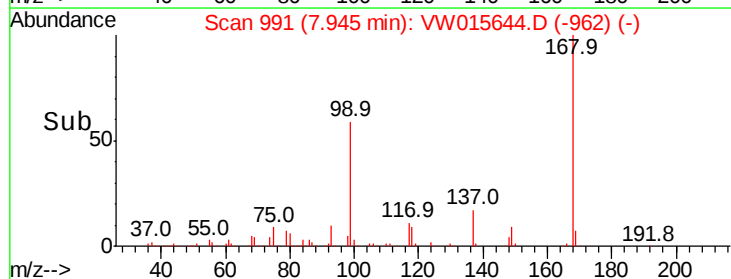
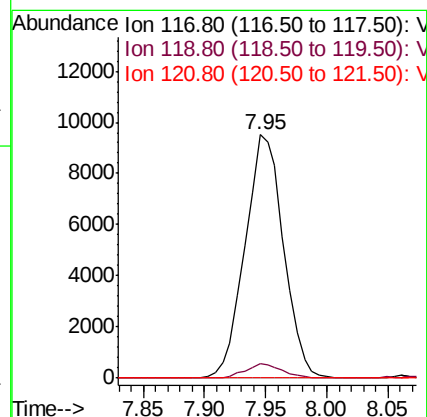
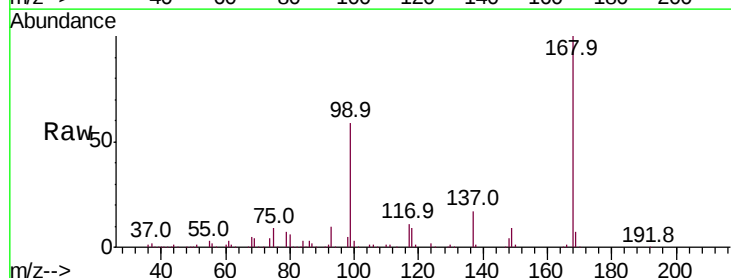
Tgt Ion: 117 Resp: 20785

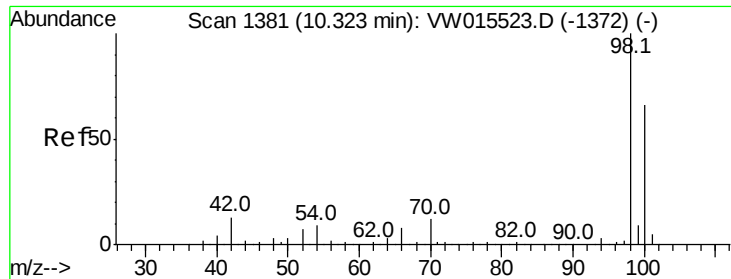
Ion Ratio Lower Upper

117 100

119 5.9 75.9 113.9#

121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 50.118 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015644.D

Acq: 22 Jun 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

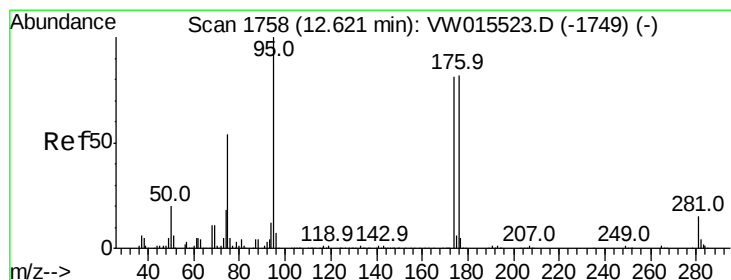
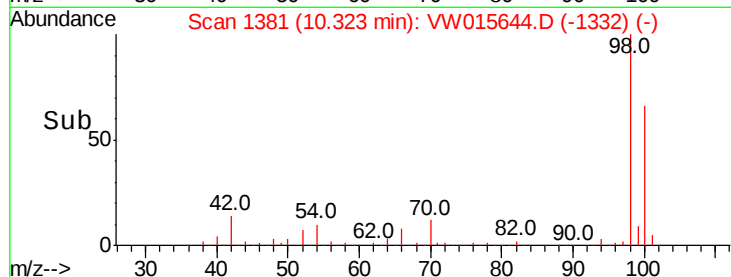
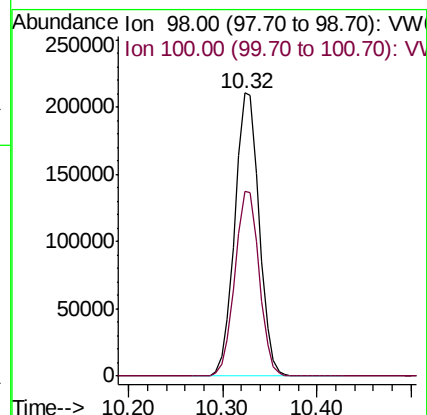
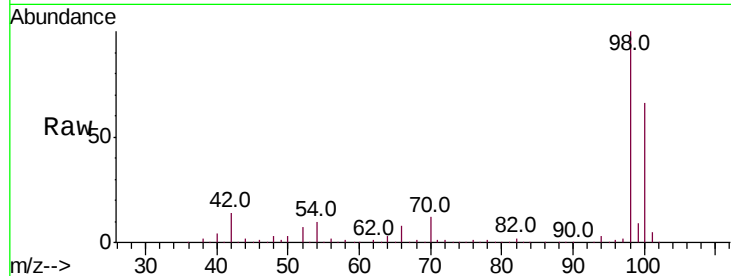
VW0622SBL01

Tot Ion: 98 Resp: 377975

Ion Ratio Lower Upper

98 100

100 65.4 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 48.667 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015644.D

Acq: 22 Jun 2020 12:49

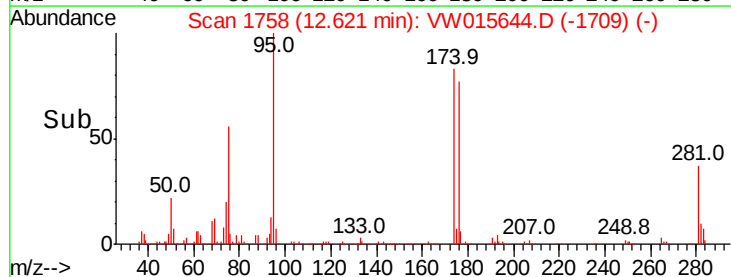
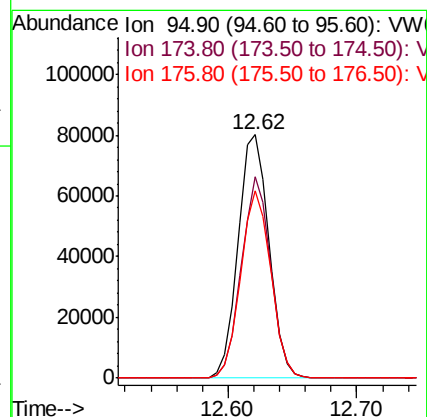
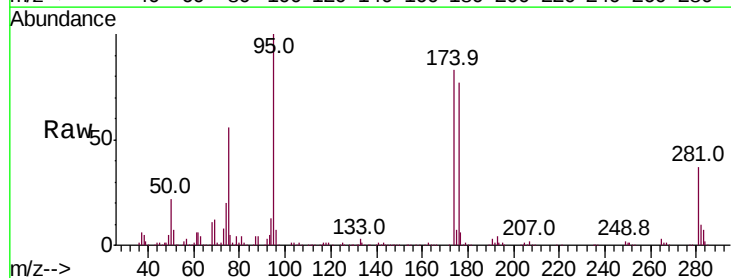
Tgt Ion: 95 Resp: 133349

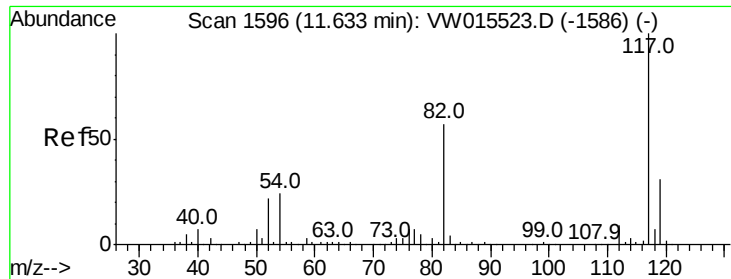
Ion Ratio Lower Upper

95 100

174 78.2 0.0 153.6

176 74.9 0.0 152.8

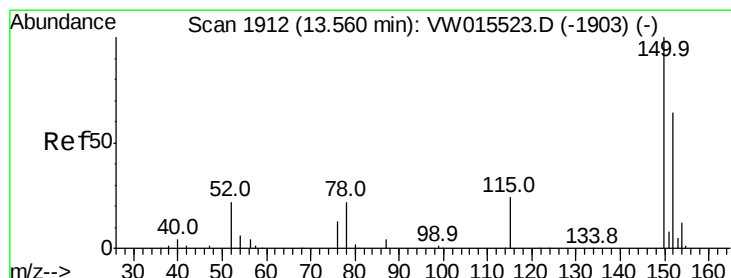
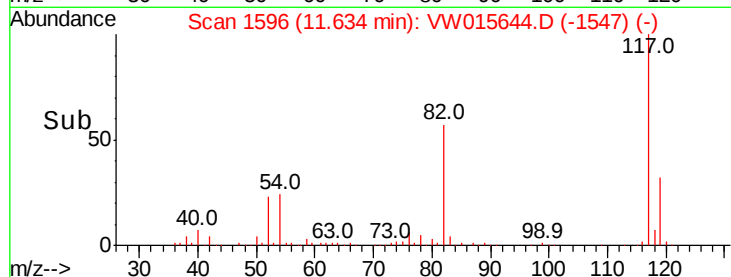
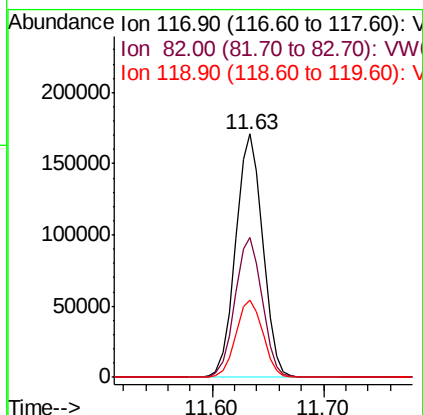
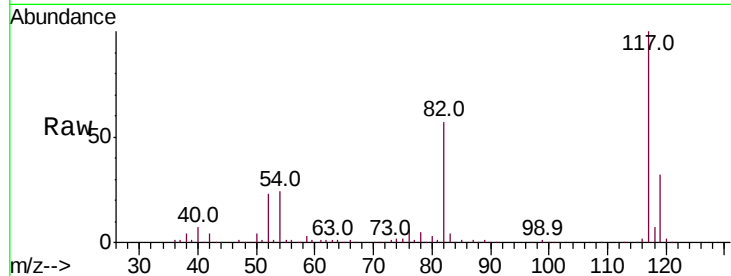




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015644.D
Acq: 22 Jun 2020 12:49

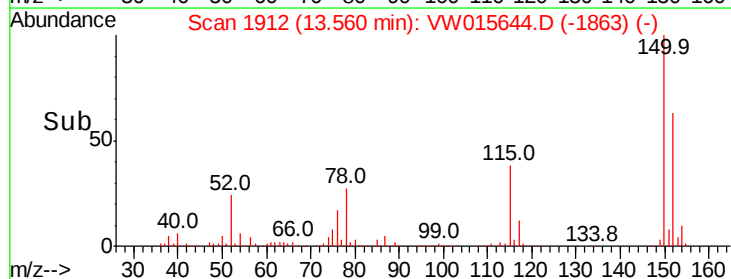
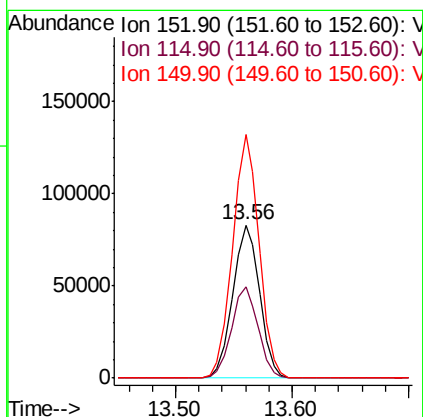
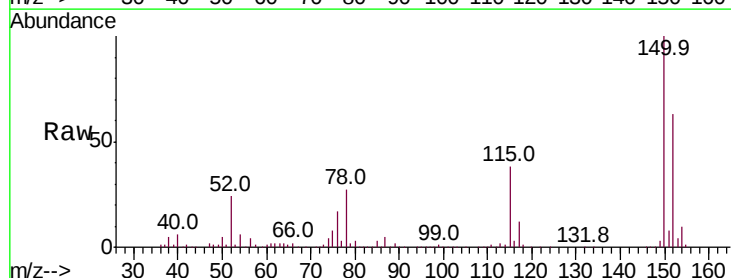
Instrument :
MSVOA_W
ClientSampleId :
VW0622SBL01

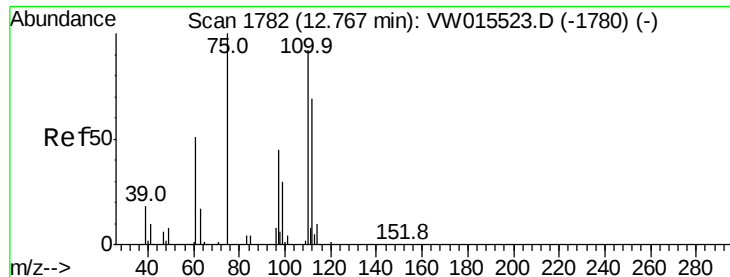
Tot Ion:117 Resp: 286991
Ion Ratio Lower Upper
117 100
82 57.3 45.8 68.8
119 32.0 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015644.D
Acq: 22 Jun 2020 12:49

Tgt Ion:152 Resp: 133046
Ion Ratio Lower Upper
152 100
115 59.3 30.0 90.0
150 157.0 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 65.099 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015644.D

Acq: 22 Jun 2020 12:49

Instrument :

MSVOA_W

ClientSampled :

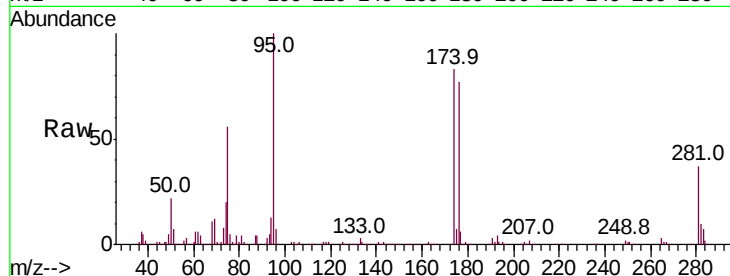
VW0622SBL01

Tot Ion: 75 Resp: 73037

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

50000

40000

30000

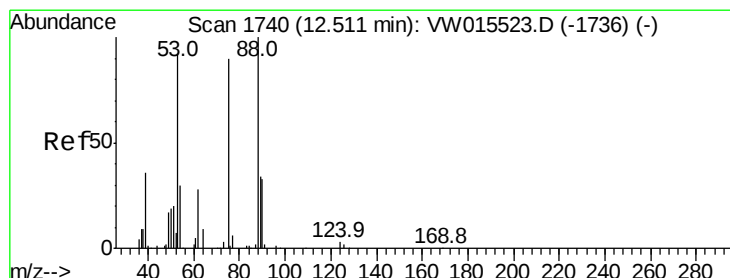
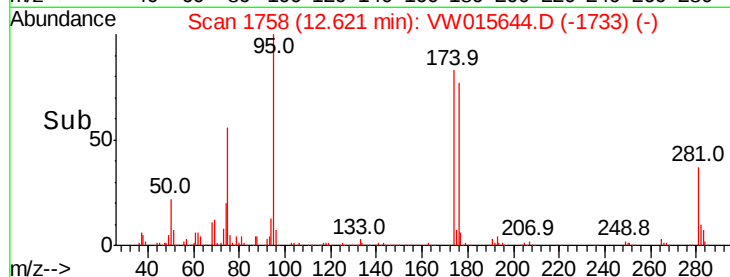
20000

10000

0

Time-->

12.60 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 140.222 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015644.D

Acq: 22 Jun 2020 12:49

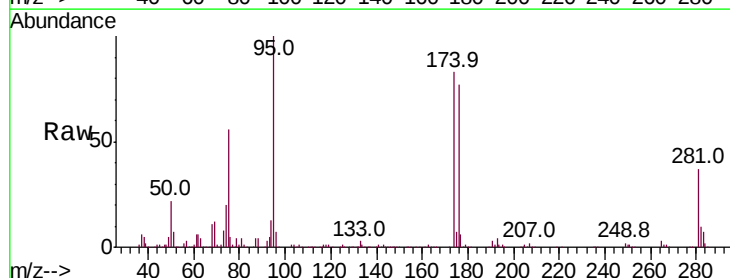
Tgt Ion: 75 Resp: 73037

Ion Ratio Lower Upper

75 100

53 0.0 84.0 126.0#

89 0.6 36.6 55.0#



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

60000

50000

40000

30000

20000

10000

0

Time-->

12.60 12.70

