

Data File : VW010599.D
Acq On : 29 May 2019 18:58
Operator : SY/VA
Sample : K2648-03
Misc : 6.49G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TR-04-052919

Quant Time: May 30 08:36:42 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	119094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	223554	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	196519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	89309	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	53502	43.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.04%	
35) Dibromofluoromethane	7.88	113	52562	38.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.50%	
50) Toluene-d8	10.32	98	202685	39.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.22%	
62) 4-Bromofluorobenzene	12.62	95	80281	38.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.78%	

Target Compounds

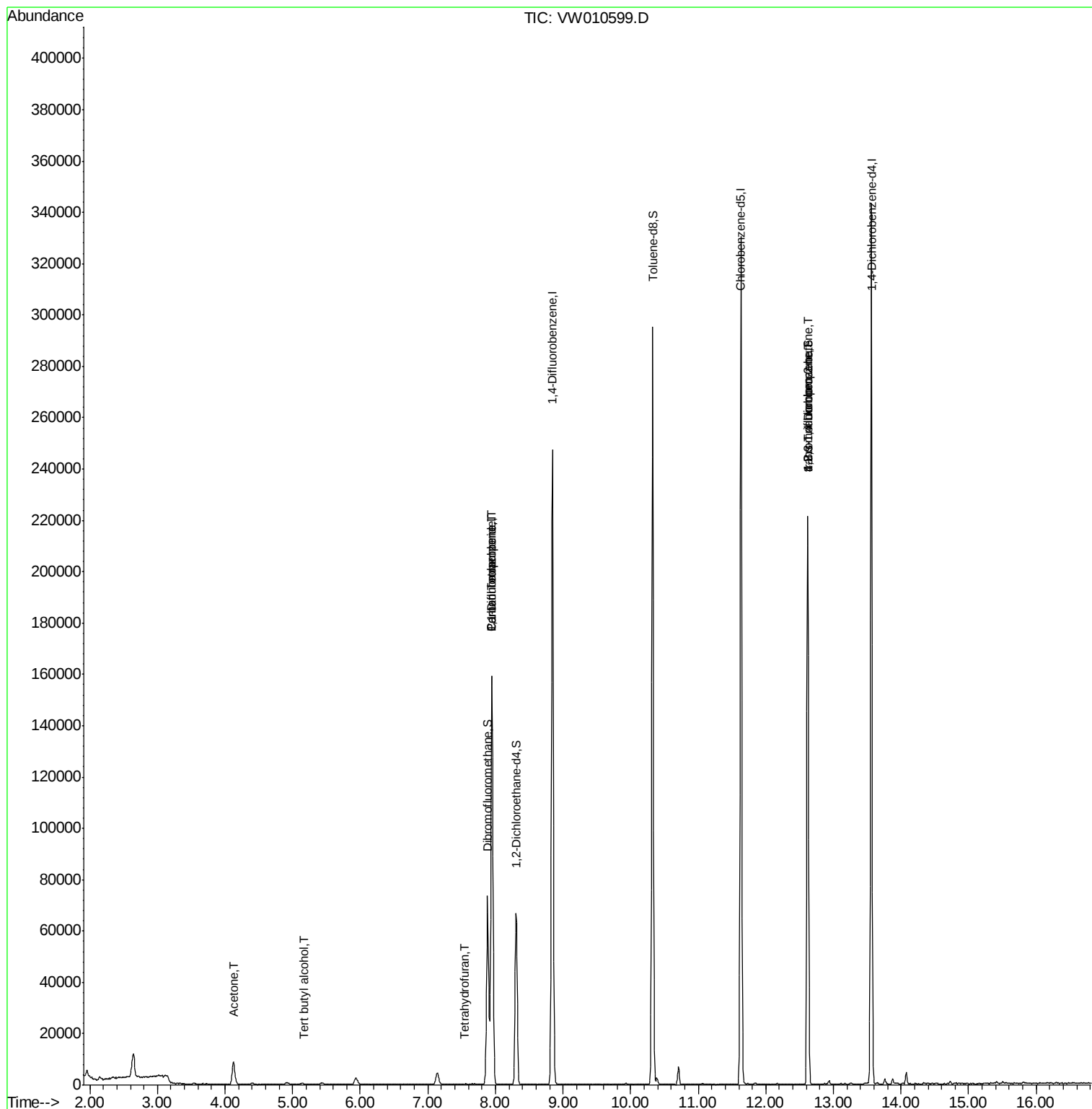
						Qvalue
11) Tert butyl alcohol	5.17	59	517	4.676	ug/l #	71
16) Acetone	4.12	43	16059	64.001	ug/l	99
20) Methylene Chloride	4.92	84	657	Below Cal	#	63
29) Tetrahydrofuran	7.54	42	263	1.082	ug/l #	44
36) 1,1-Dichloropropene	7.95	75	9024	4.333	ug/l #	49
38) Carbon Tetrachloride	7.95	117	12561	5.591	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	37318	41.165	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	37318	85.913	ug/l #	14

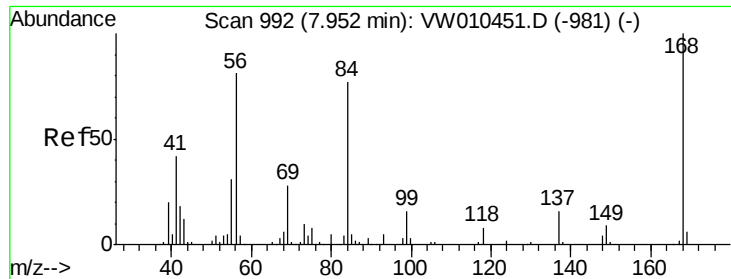
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010599.D

Acq: 29 May 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

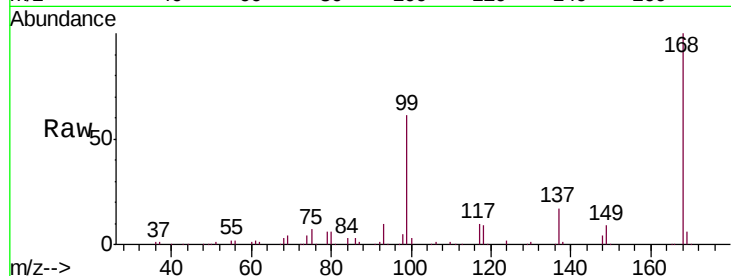
TR-04-052919

Tgt Ion:168 Resp: 119094

Ion Ratio Lower Upper

168 100

99 61.3 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

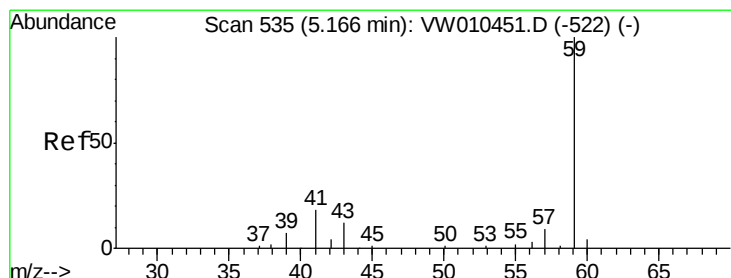
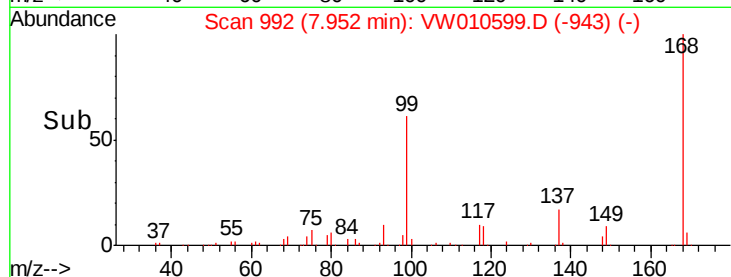
30000

20000

10000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 4.676 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW010599.D

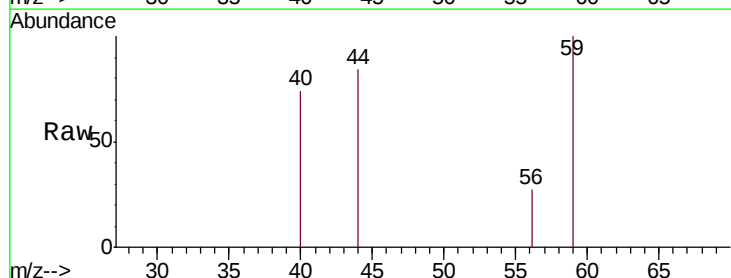
Acq: 29 May 2019 18:58

Tgt Ion: 59 Resp: 517

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

5.17

200

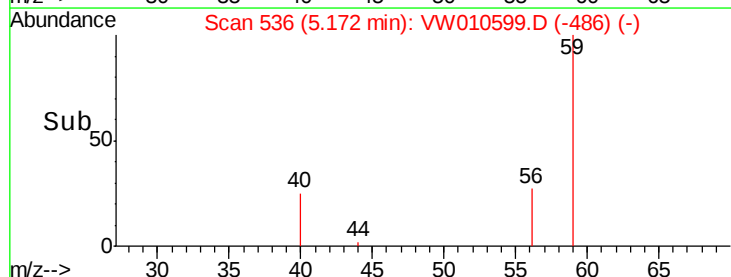
150

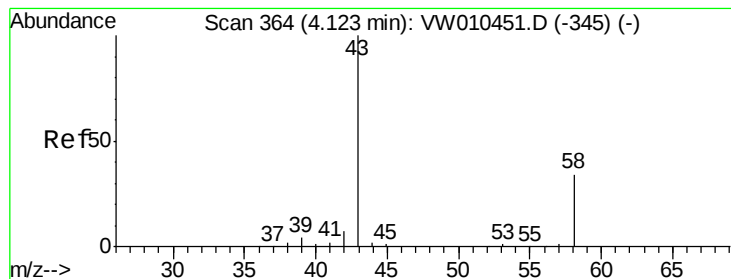
100

50

0

Time--> 5.10 5.15 5.20





#16

Acetone

Concen: 64.001 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010599.D

Acq: 29 May 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

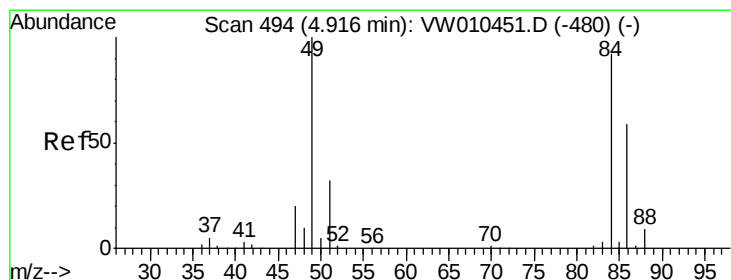
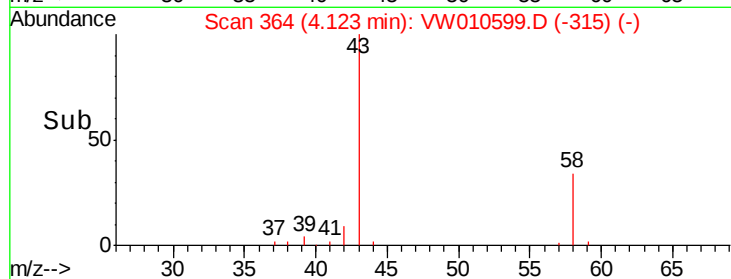
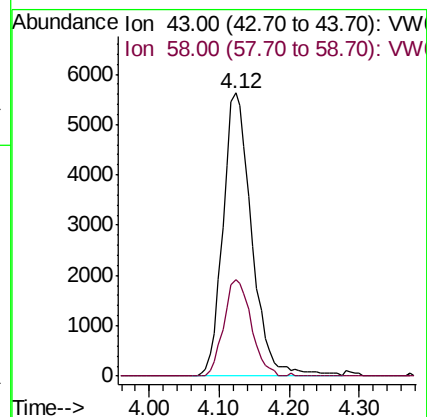
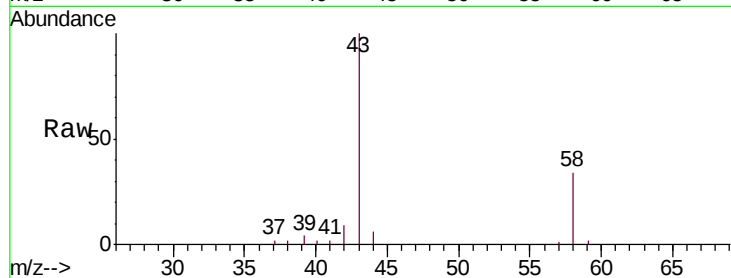
TR-04-052919

Tgt Ion: 43 Resp: 16059

Ion Ratio Lower Upper

43 100

58 34.1 27.0 40.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW010599.D

Acq: 29 May 2019 18:58

Tgt Ion: 84 Resp: 657

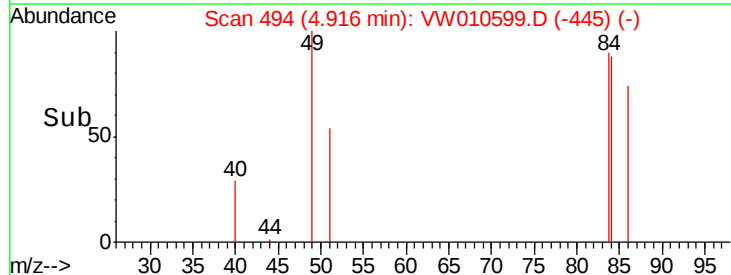
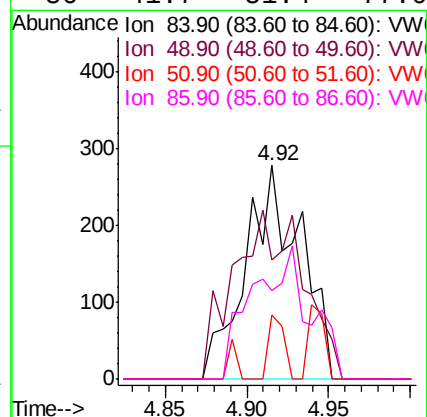
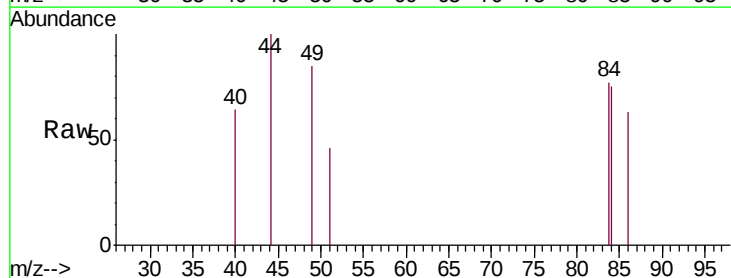
Ion Ratio Lower Upper

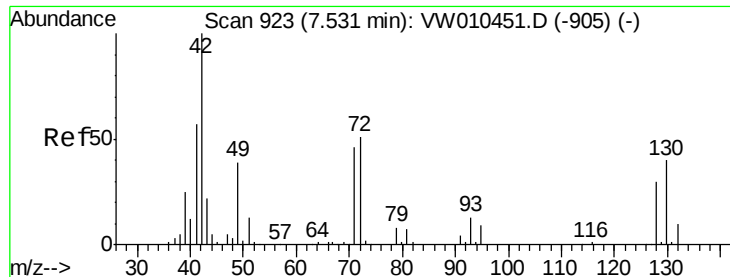
84 100

49 56.1 87.2 130.8#

51 30.2 27.7 41.5

86 41.7 51.4 77.0#

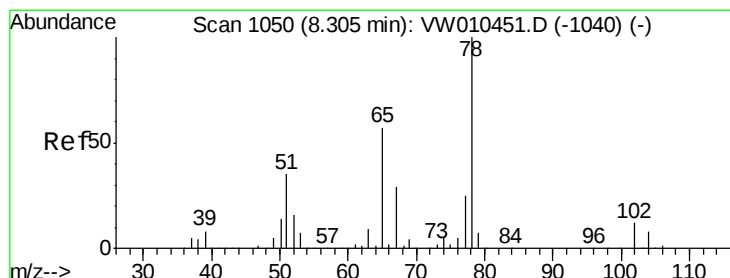
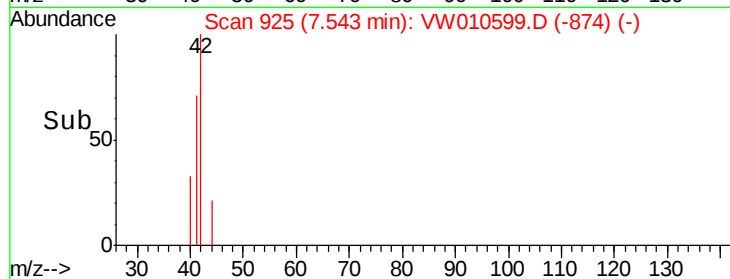
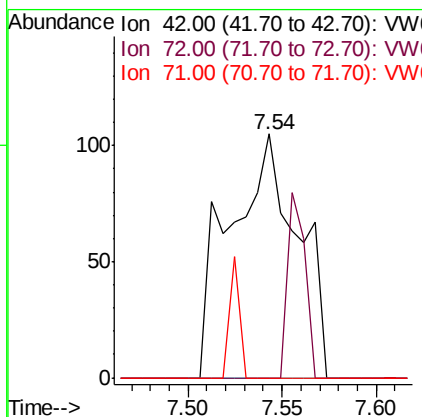
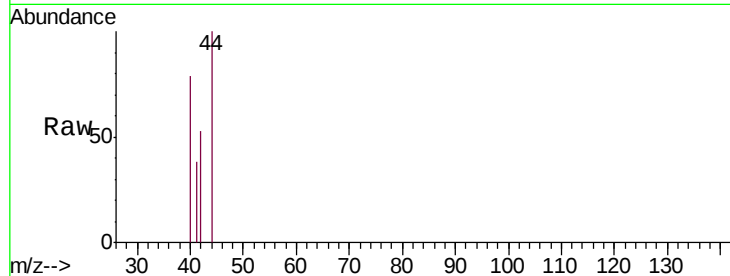




#29
Tetrahydrofuran
Concen: 1.082 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW010599.D
Acq: 29 May 2019 18:58

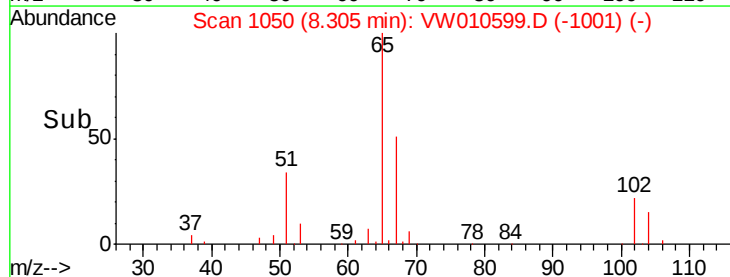
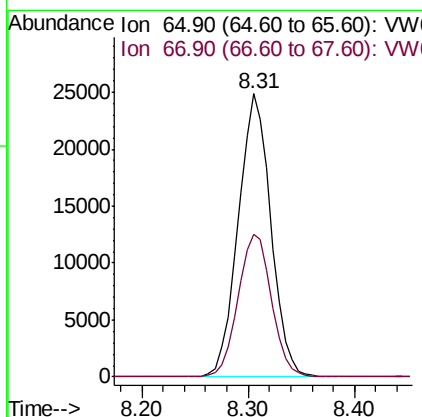
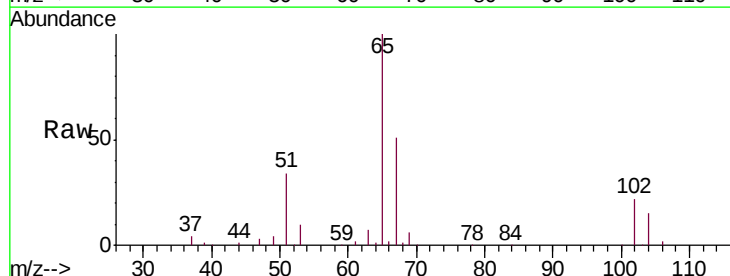
Instrument :
MSVOA_W
ClientSampled :
TR-04-052919

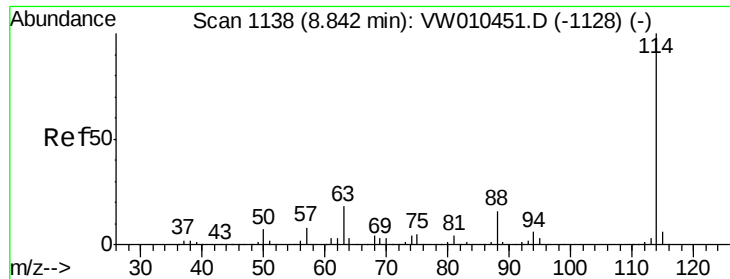
Tgt Ion: 42 Resp: 263
Ion Ratio Lower Upper
42 100
72 19.4 38.5 57.7#
71 0.0 36.5 54.7#



#33
1,2-Dichloroethane-d4
Concen: 43.524 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010599.D
Acq: 29 May 2019 18:58

Tgt Ion: 65 Resp: 53502
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.6

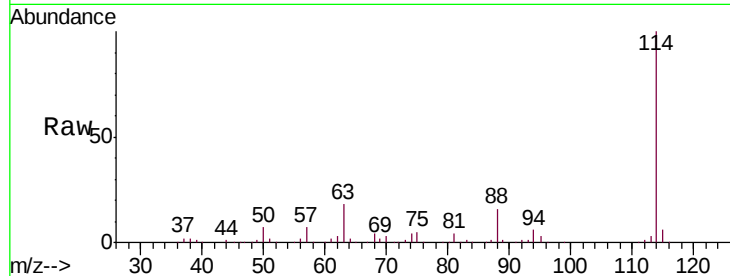




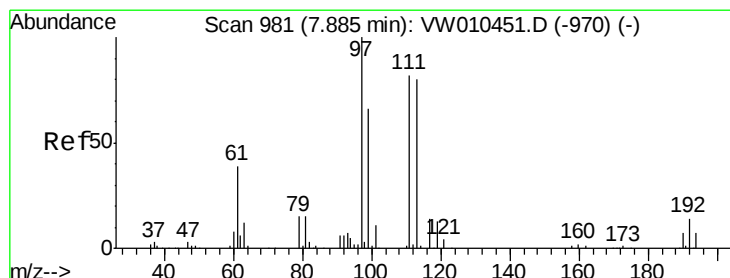
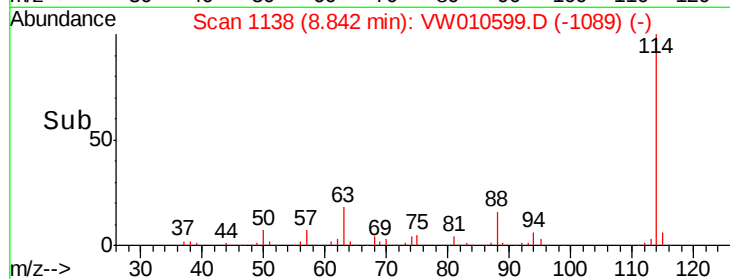
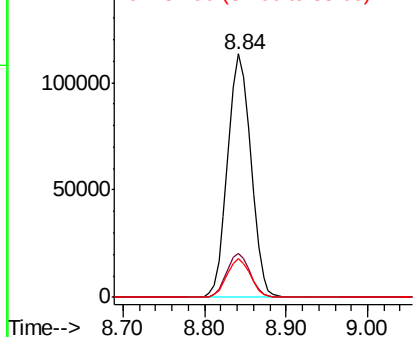
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010599.D
 Acq: 29 May 2019 18:58

Instrument :
 MSVOA_W
 ClientSampled :
 TR-04-052919

Tgt Ion:	114	Resp:	22354
Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	36.0
88	15.8	0.0	32.0

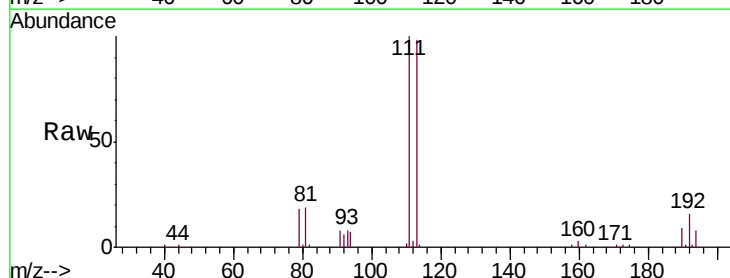


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

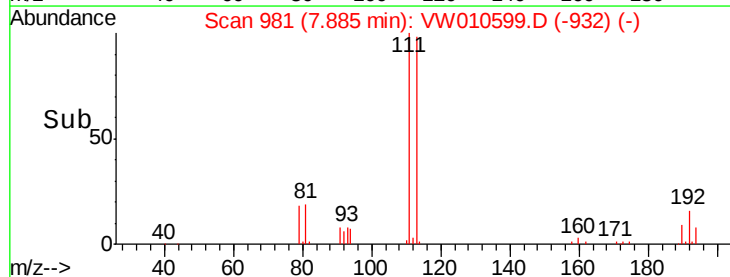
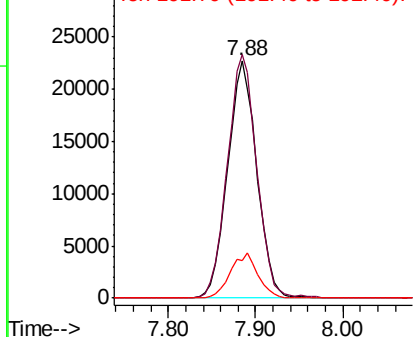


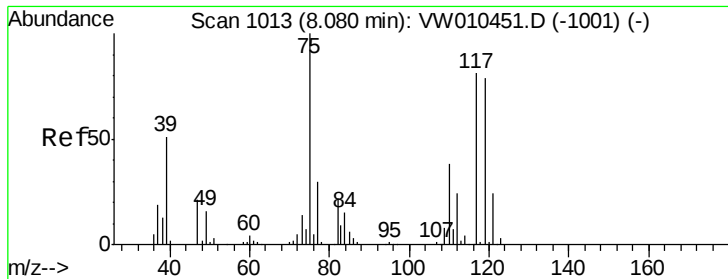
#35
 Dibromofluoromethane
 Concen: 38.749 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010599.D
 Acq: 29 May 2019 18:58

Tgt Ion:	113	Resp:	52562
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.4
192	18.0	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

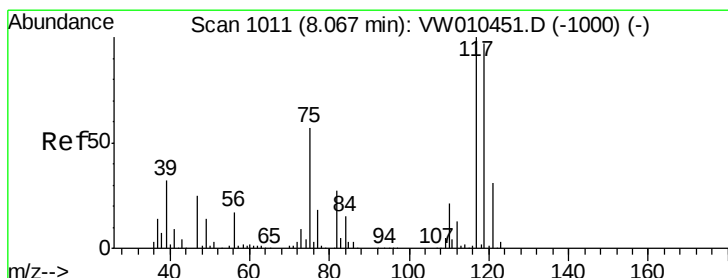
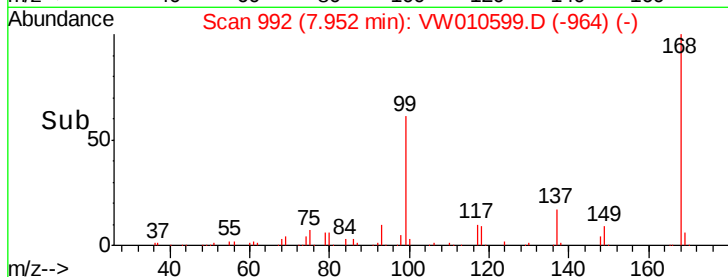
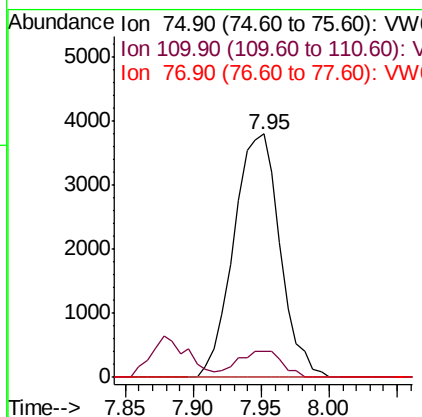
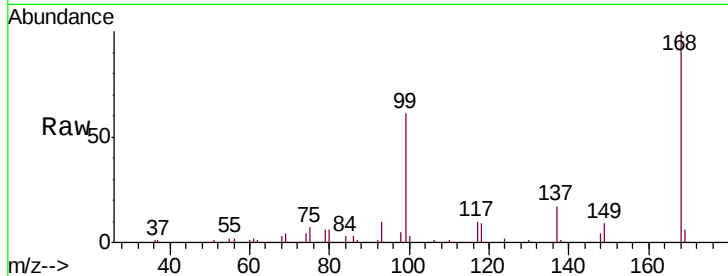




#36
 1,1-Dichloropropene
 Concen: 4.333 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW010599.D
 Acq: 29 May 2019 18:58

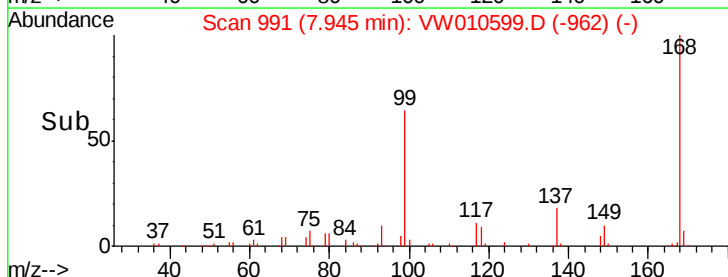
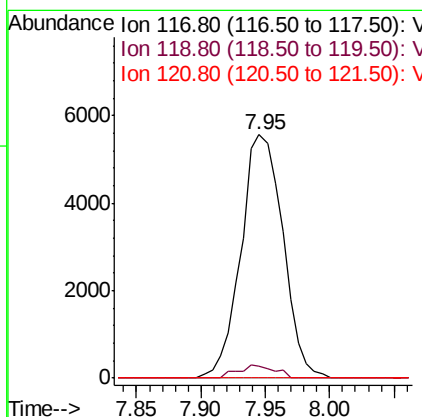
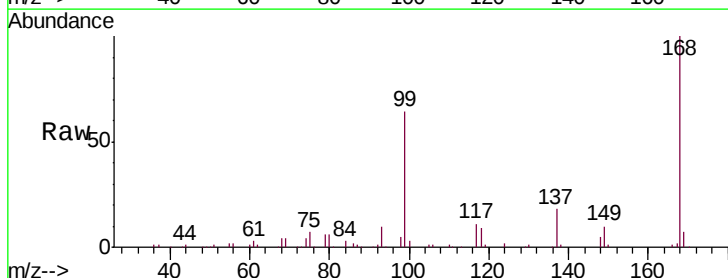
Instrument :
 MSVOA_W
 ClientSampleId :
 TR-04-052919

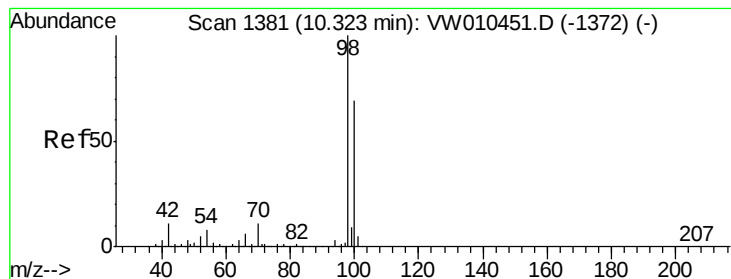
Tgt Ion: 75 Resp: 9024
 Ion Ratio Lower Upper
 75 100
 110 10.5 19.2 57.6#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 5.591 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010599.D
 Acq: 29 May 2019 18:58

Tgt Ion: 117 Resp: 12561
 Ion Ratio Lower Upper
 117 100
 119 5.0 77.4 116.0#
 121 0.0 25.0 37.6#





#50

Toluene-d8

Concen: 39.113 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010599.D

Acq: 29 May 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

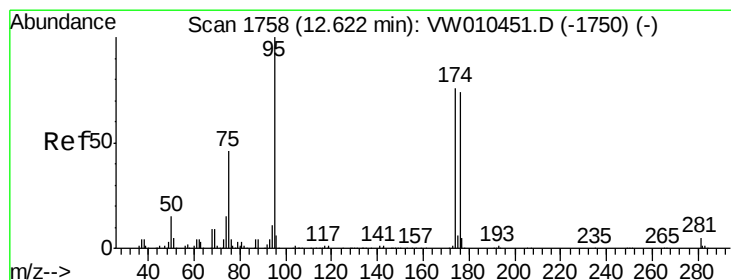
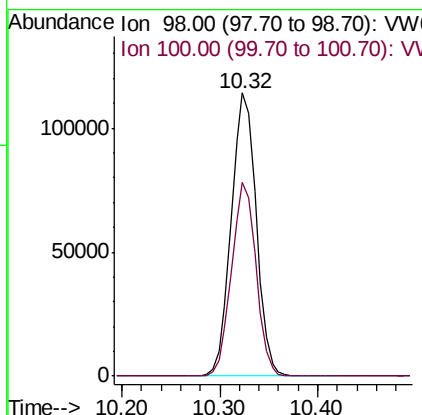
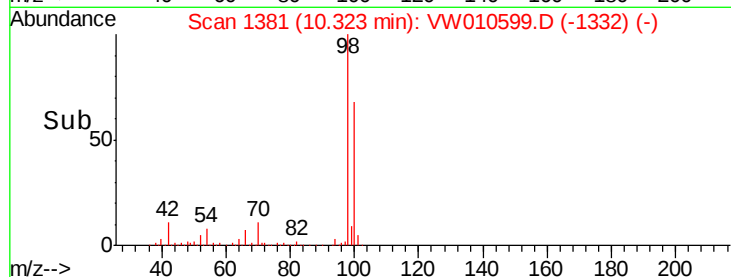
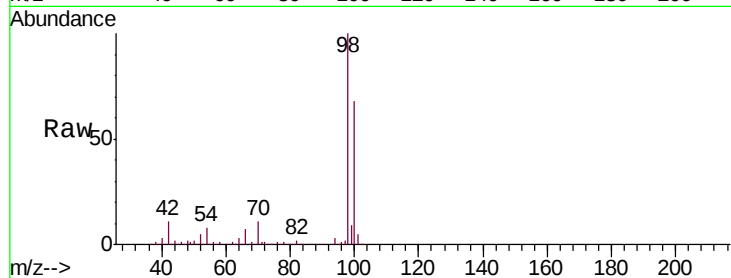
TR-04-052919

Tgt Ion: 98 Resp: 202685

Ion Ratio Lower Upper

98 100

100 67.1 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 38.894 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010599.D

Acq: 29 May 2019 18:58

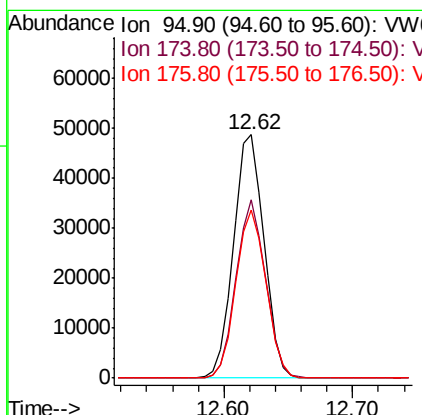
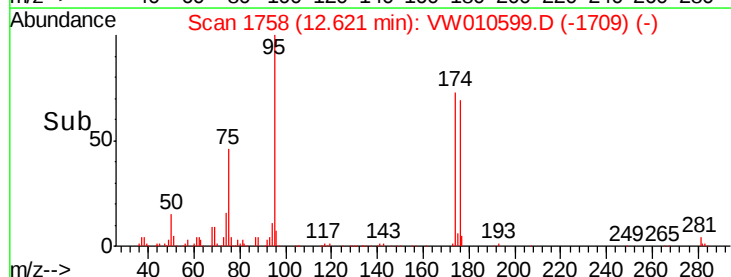
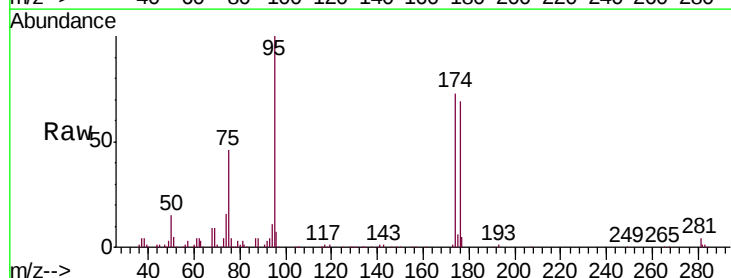
Tgt Ion: 95 Resp: 80281

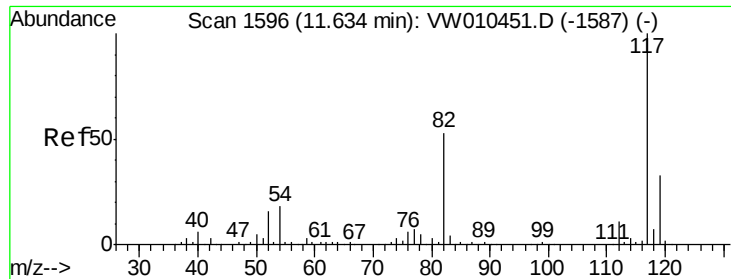
Ion Ratio Lower Upper

95 100

174 70.9 0.0 148.6

176 68.2 0.0 144.2

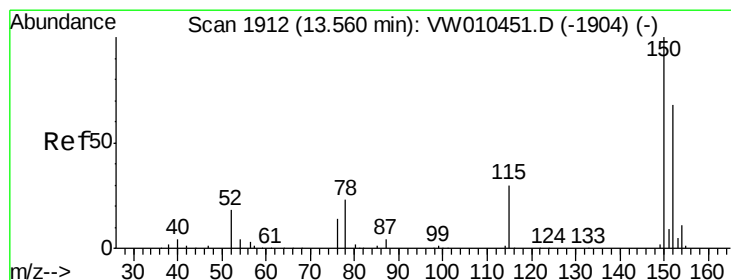
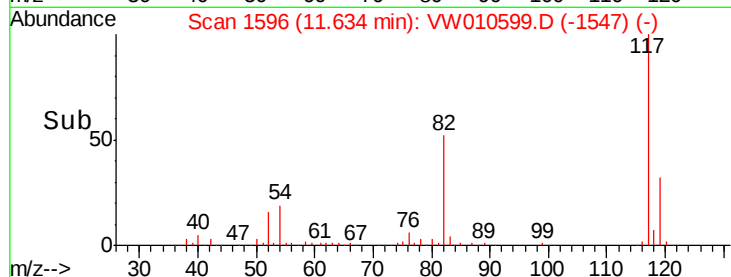
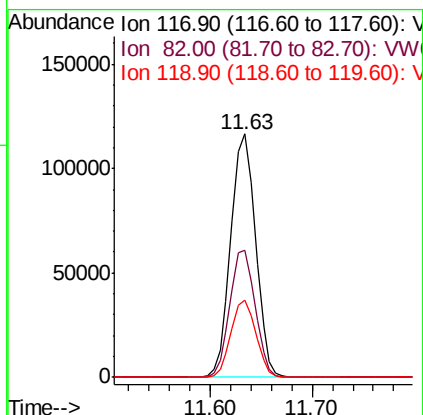
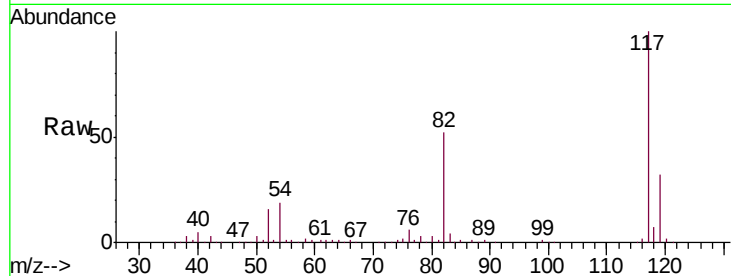




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010599.D
Acq: 29 May 2019 18:58

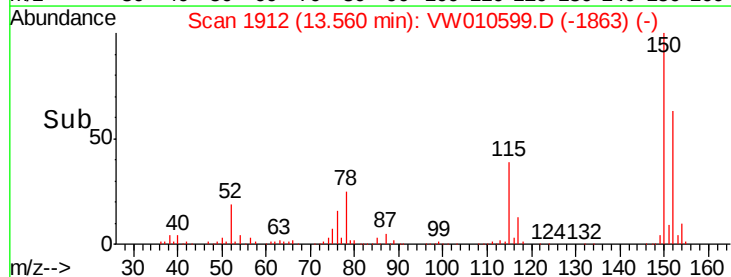
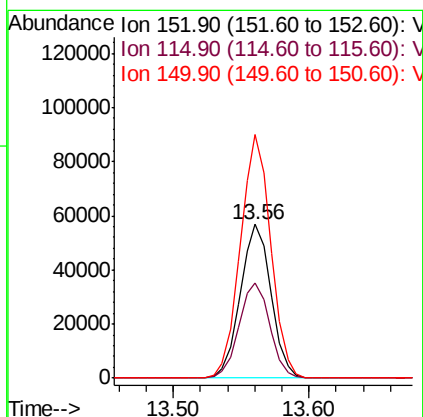
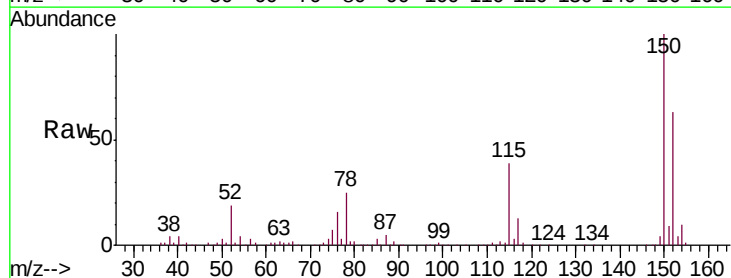
Instrument :
MSVOA_W
ClientSampleId :
TR-04-052919

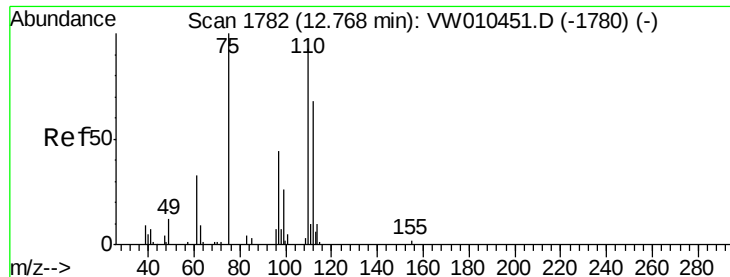
Tgt Ion:117 Resp: 196519
Ion Ratio Lower Upper
117 100
82 52.0 42.8 64.2
119 31.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010599.D
Acq: 29 May 2019 18:58

Tgt Ion:152 Resp: 89309
Ion Ratio Lower Upper
152 100
115 62.1 30.3 91.0
150 157.1 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 41.165 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010599.D

Acq: 29 May 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

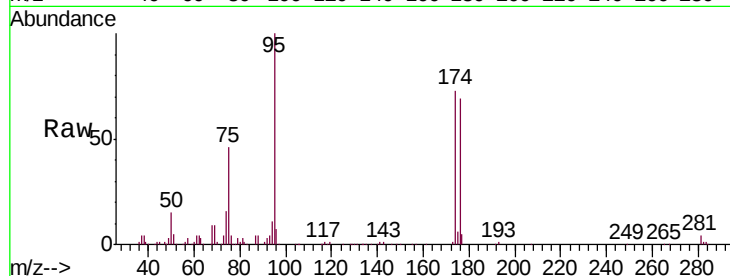
TR-04-052919

Tgt Ion: 75 Resp: 37318

Ion Ratio Lower Upper

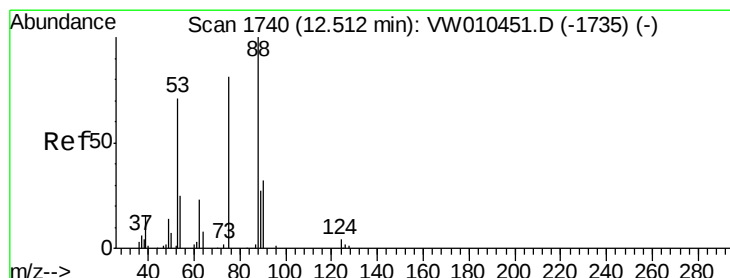
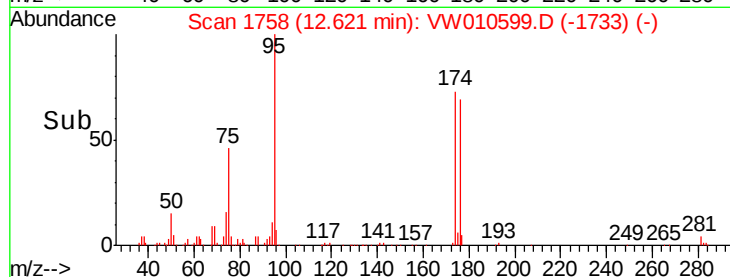
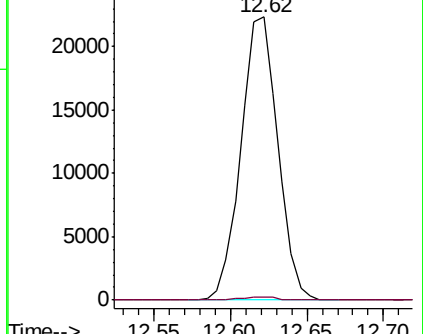
75 100

77 1.0 170.0 510.1#



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: 85.913 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010599.D

Acq: 29 May 2019 18:58

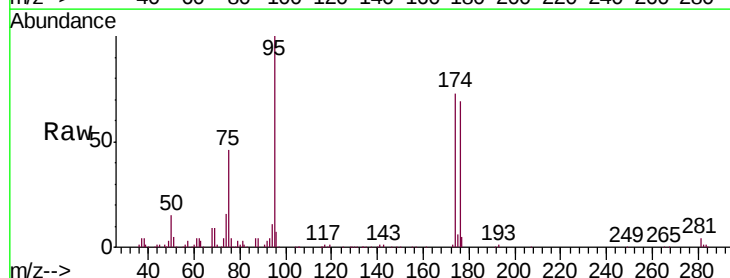
Tgt Ion: 75 Resp: 37318

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#



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

