

Data File : VW010554.D
Acq On : 24 May 2019 16:54
Operator : SY/VA
Sample : K3051-02
Misc : 6.09G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SP-1-A

Quant Time: May 25 01:13:54 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	124541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	228569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	193043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	75900	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	70060	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	
35) Dibromofluoromethane	7.88	113	68988	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
50) Toluene-d8	10.32	98	272770	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.62	95	96397	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	

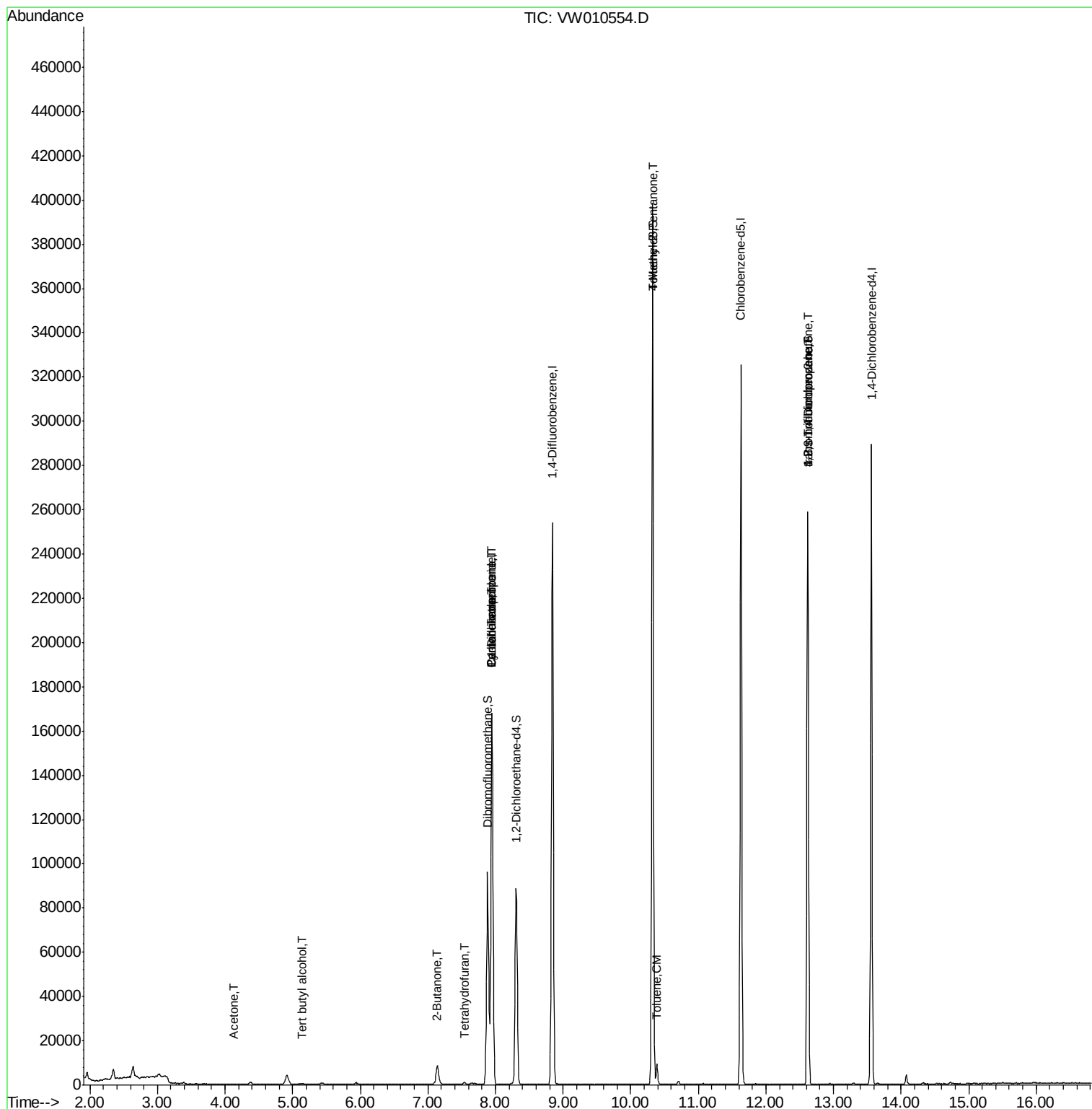
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.14	59	147	1.271	ug/l #	71
16) Acetone	4.12	43	479	1.825	ug/l #	41
20) Methylene Chloride	4.93	84	3568	Below Cal	#	74
25) 2-Butanone	7.13	43	464	1.236	ug/l #	45
29) Tetrahydrofuran	7.54	42	702	2.763	ug/l #	82
31) Cyclohexane	7.95	56	2492	1.021	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	9556	4.488	ug/l #	49
38) Carbon Tetrachloride	7.95	117	13550	5.899	ug/l #	14
51) 4-Methyl-2-Pentanone	10.32	43	963	1.051	ug/l #	1
52) Toluene	10.39	92	3989	1.004	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	44742	58.074	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	44742	121.202	ug/l #	14

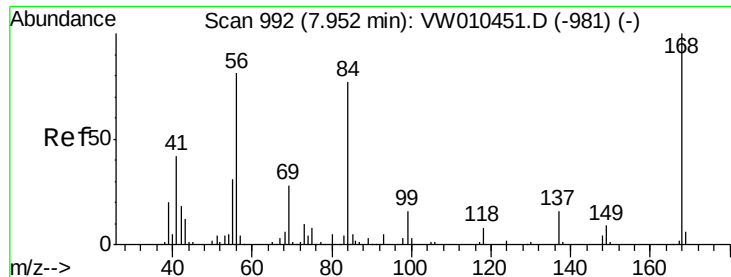
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010554.D

Acq: 24 May 2019 16:54

Instrument :

MSVOA_W

ClientSampled :

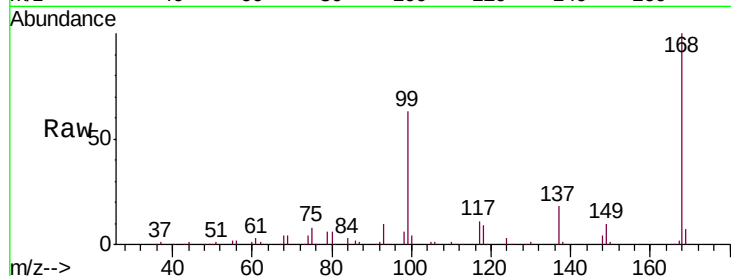
SP-1-A

Tgt Ion: 168 Resp: 124541

Ion Ratio Lower Upper

168 100

99 62.9 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

60000

50000

40000

30000

20000

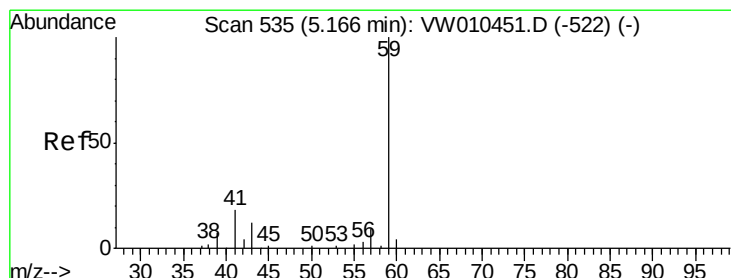
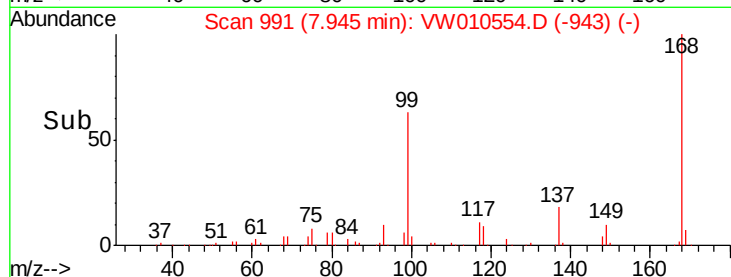
10000

0

7.90

8.00

Time-->



#11

Tert butyl alcohol

Concen: 1.271 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.02 min

Lab File: VW010554.D

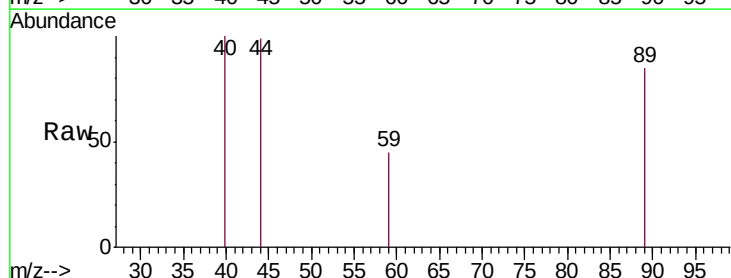
Acq: 24 May 2019 16:54

Tgt Ion: 59 Resp: 147

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

120

100

80

60

40

20

0

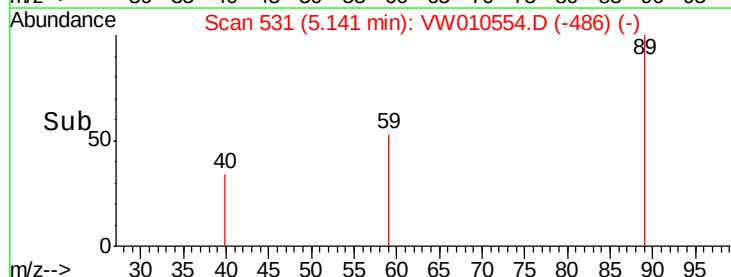
5.12

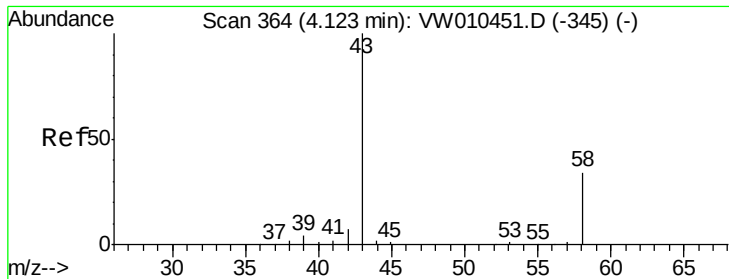
5.14

5.16

5.18

Time-->





#16

Acetone

Concen: 1.825 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW010554.D

Acq: 24 May 2019 16:54

Instrument :

MSVOA_W

ClientSampled :

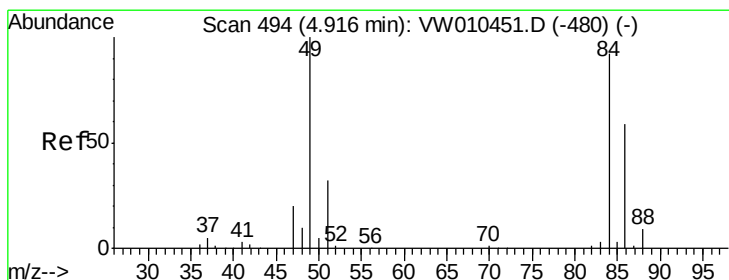
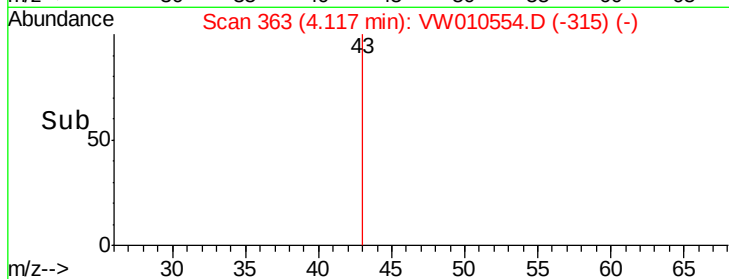
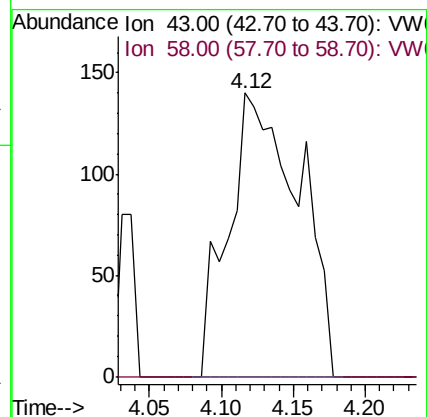
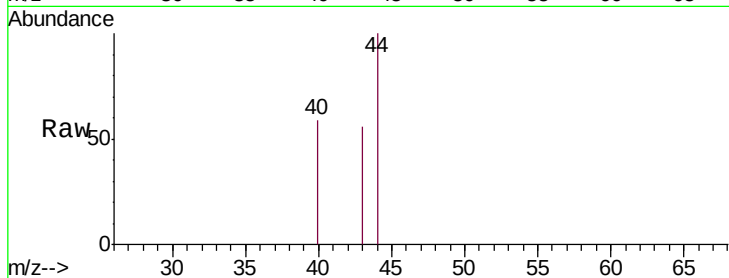
SP-1-A

Tgt Ion: 43 Resp: 479

Ion Ratio Lower Upper

43 100

58 0.0 27.0 40.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW010554.D

Acq: 24 May 2019 16:54

Tgt Ion: 84 Resp: 3568

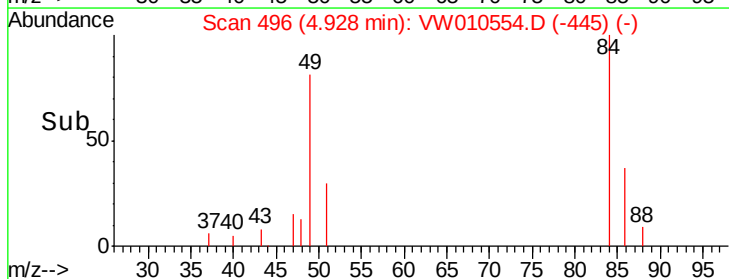
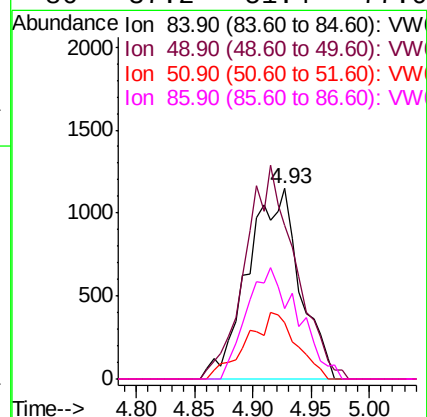
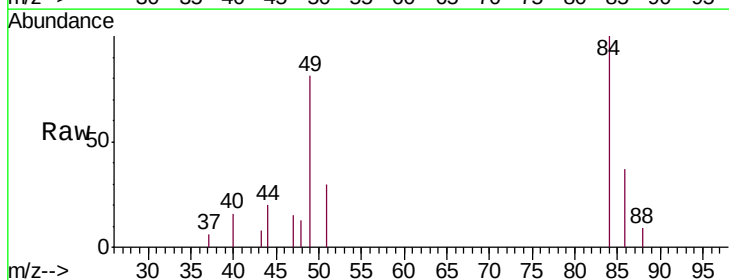
Ion Ratio Lower Upper

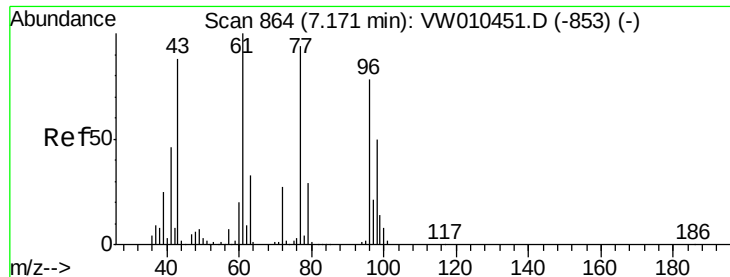
84 100

49 80.7 87.2 130.8#

51 29.7 27.7 41.5

86 37.2 51.4 77.0#





#25

2-Butanone

Concen: 1.236 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW010554.D

Acq: 24 May 2019 16:54

Instrument :

MSVOA_W

ClientSampled :

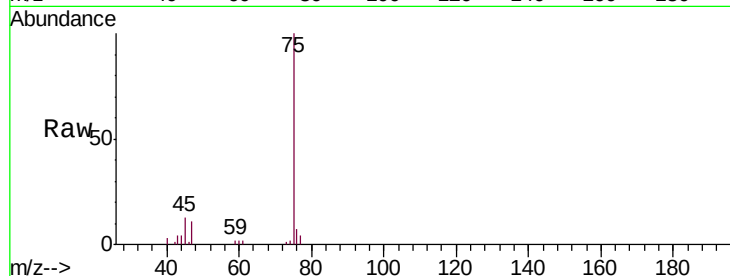
SP-1-A

Tgt Ion: 43 Resp: 464

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

7.13

200

150

100

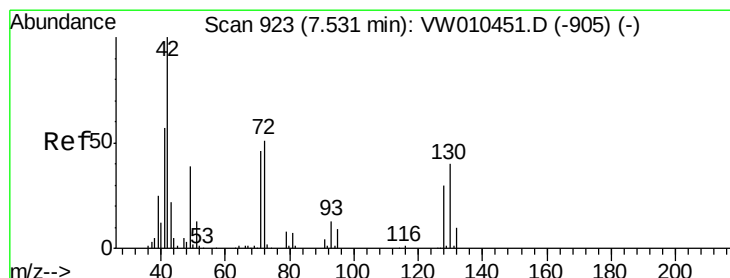
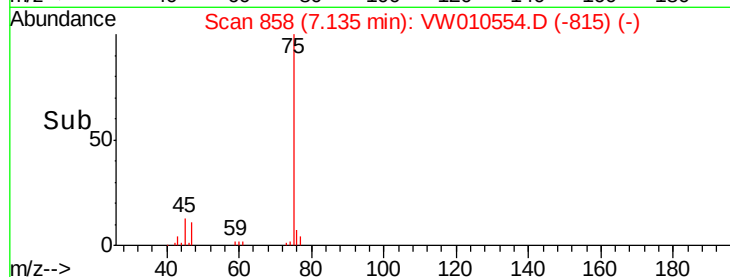
50

0

7.10

7.15

Time-->



#29

Tetrahydrofuran

Concen: 2.763 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW010554.D

Acq: 24 May 2019 16:54

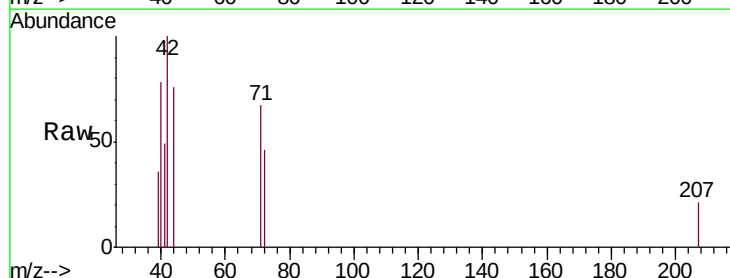
Tgt Ion: 42 Resp: 702

Ion Ratio Lower Upper

42 100

72 33.2 38.5 57.7#

71 37.0 36.5 54.7



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

300

200

100

0

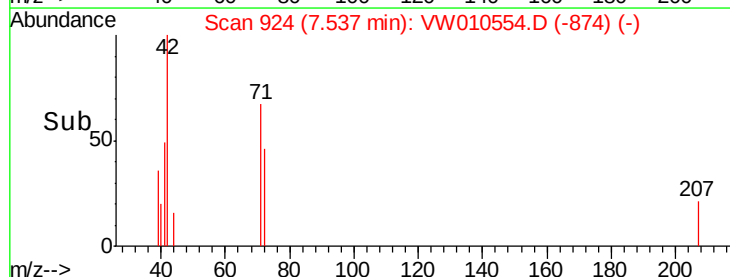
7.45

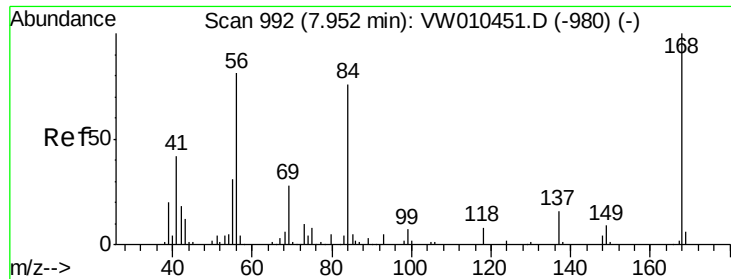
7.50

7.55

7.60

Time-->

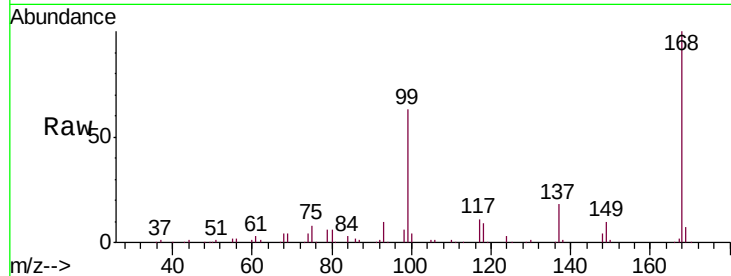




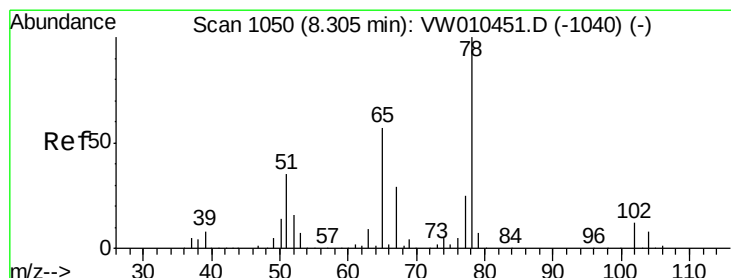
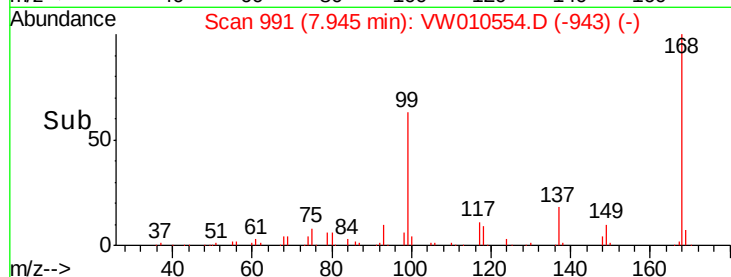
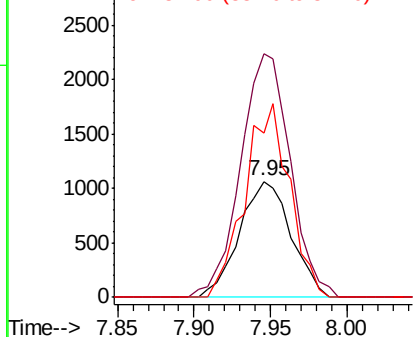
#31
Cyclohexane
Concen: 1.021 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010554.D
Acq: 24 May 2019 16:54

Instrument :
MSVOA_W
ClientSampled :
SP-1-A

Tgt Ion: 56 Resp: 2492
Ion Ratio Lower Upper
56 100
69 210.3 28.2 42.2#
84 142.1 75.8 113.8#

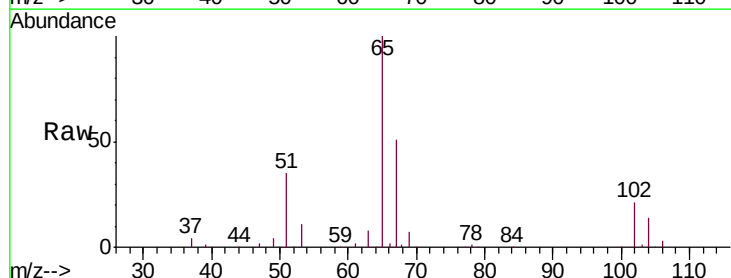


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

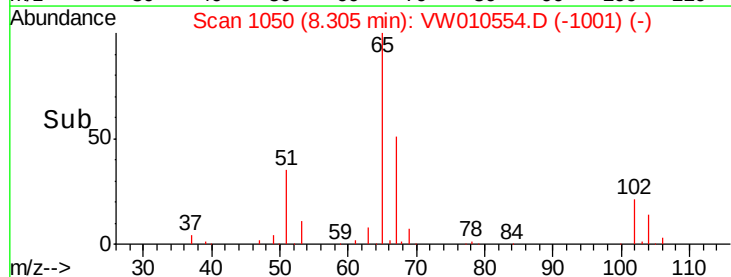
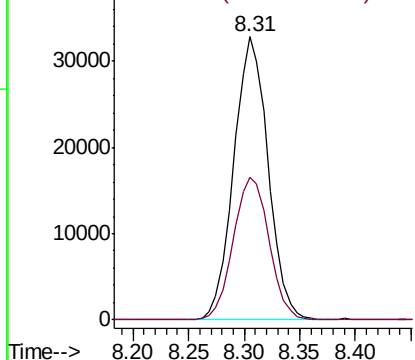


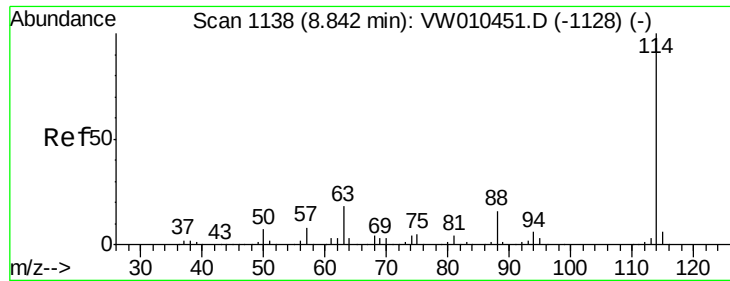
#33
1,2-Dichloroethane-d4
Concen: 54.501 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010554.D
Acq: 24 May 2019 16:54

Tgt Ion: 65 Resp: 70060
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.6



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

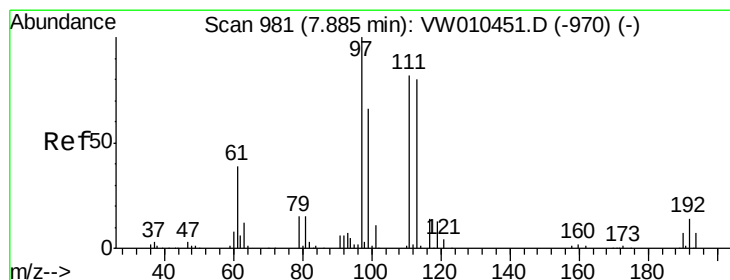
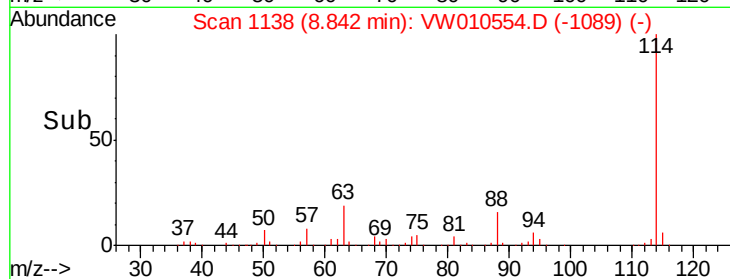
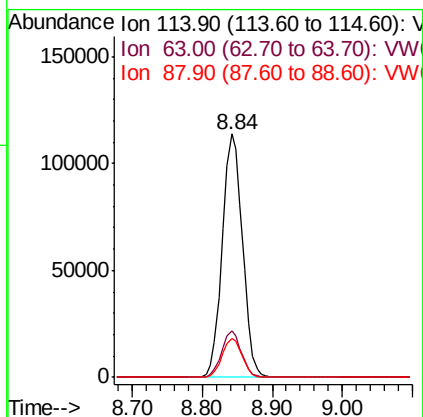
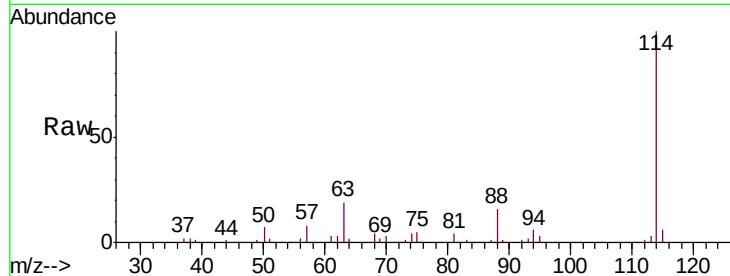




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010554.D
 Acq: 24 May 2019 16:54

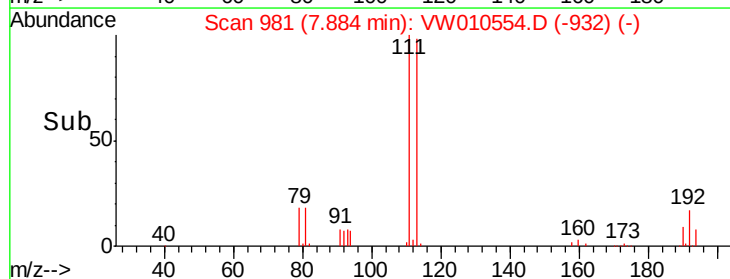
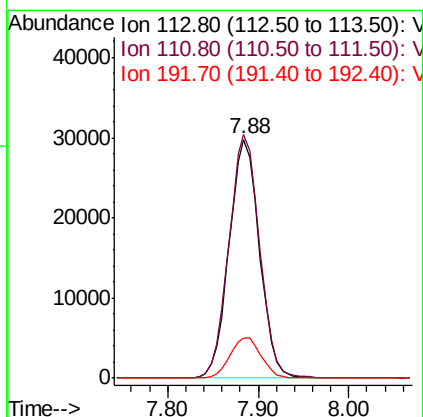
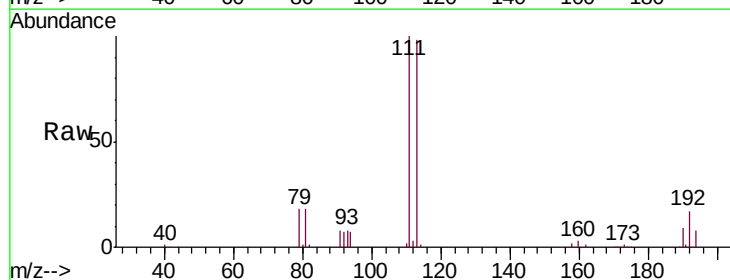
Instrument :
 MSVOA_W
 ClientSampleId :
 SP-1-A

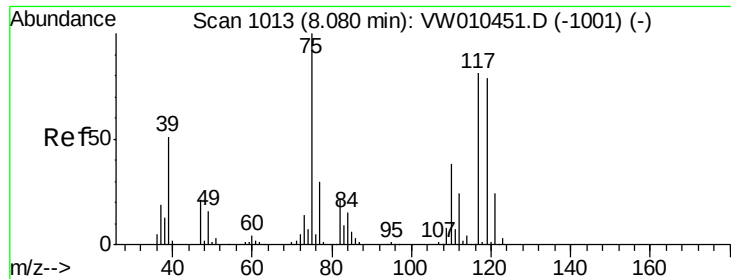
Tgt Ion:	114	Resp:	228569
Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	36.0
88	15.8	0.0	32.0



#35
 Dibromofluoromethane
 Concen: 49.742 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010554.D
 Acq: 24 May 2019 16:54

Tgt Ion:	113	Resp:	68988
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.2	123.4
192	17.3	14.3	21.5





#36

1,1-Dichloropropene

Concen: 4.488 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010554.D

Acq: 24 May 2019 16:54

Instrument :

MSVOA_W

ClientSampled :

SP-1-A

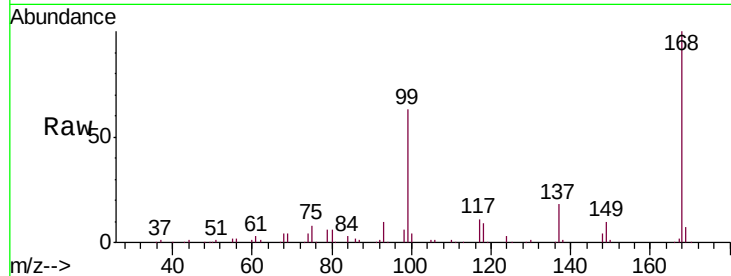
Tgt Ion: 75 Resp: 9556

Ion Ratio Lower Upper

75 100

110 10.0 19.2 57.6#

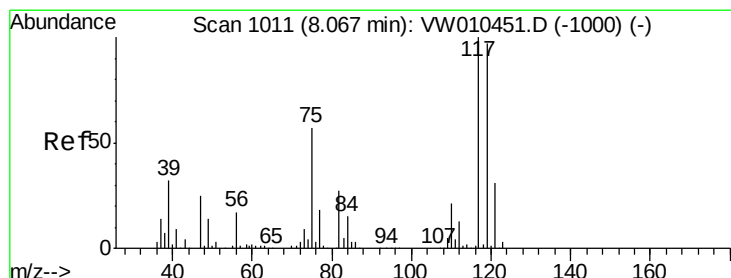
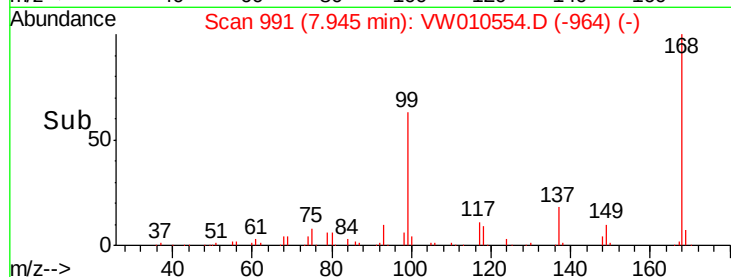
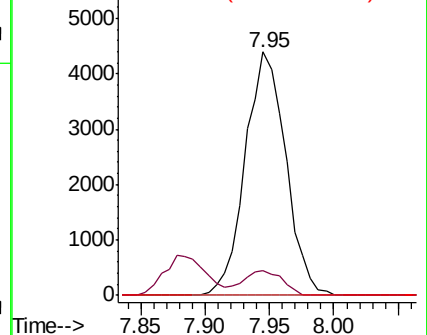
77 0.0 25.2 37.8#



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: 5.899 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010554.D

Acq: 24 May 2019 16:54

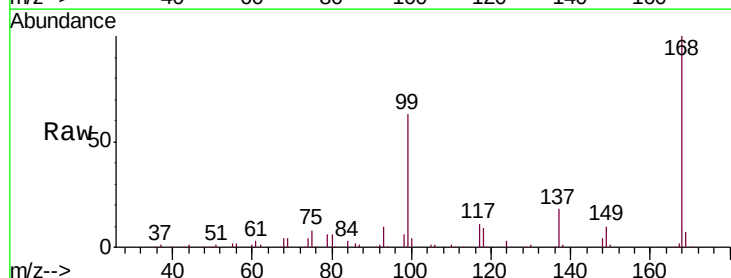
Tgt Ion: 117 Resp: 13550

Ion Ratio Lower Upper

117 100

119 3.5 77.4 116.0#

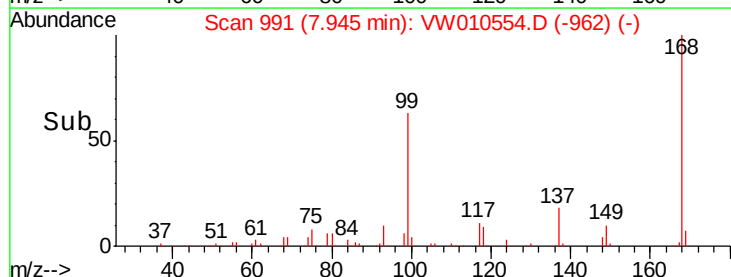
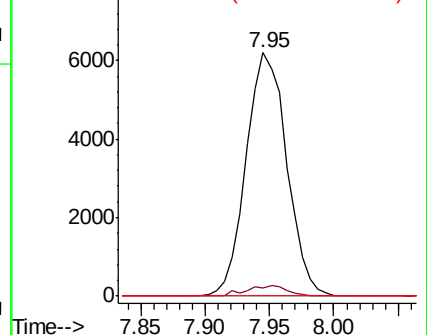
121 0.0 25.0 37.6#

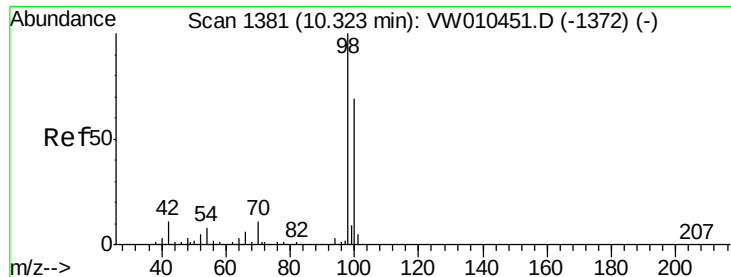


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.482 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010554.D

Acq: 24 May 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

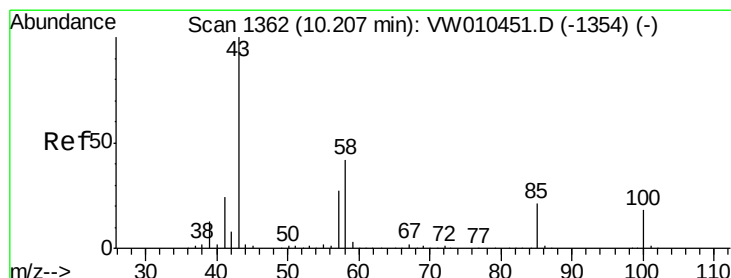
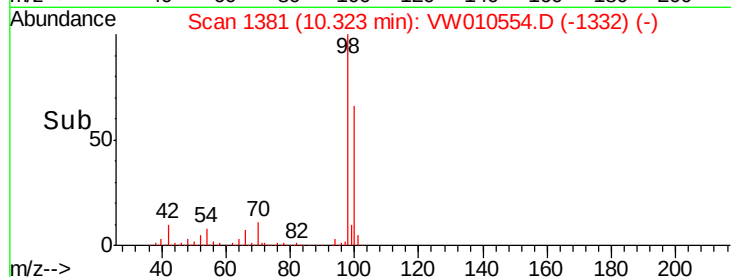
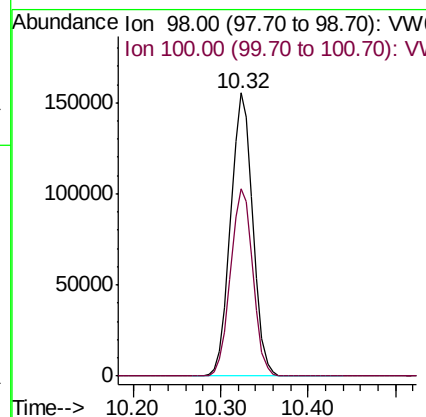
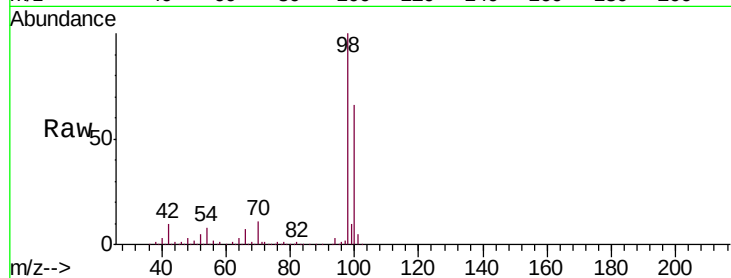
SP-1-A

Tgt Ion: 98 Resp: 272770

Ion Ratio Lower Upper

98 100

100 66.9 53.7 80.5



#51

4-Methyl-2-Pentanone

Concen: 1.051 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW010554.D

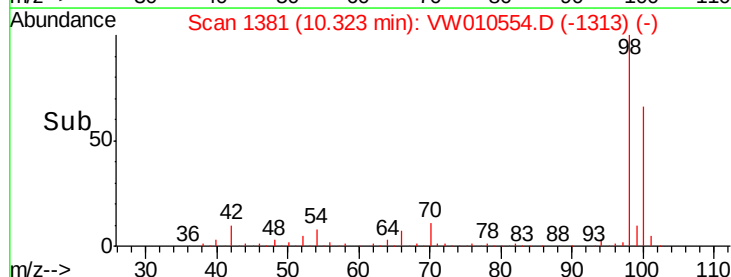
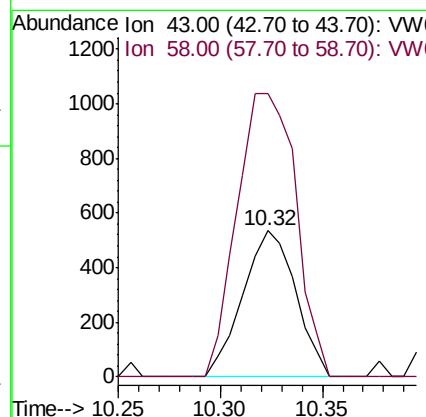
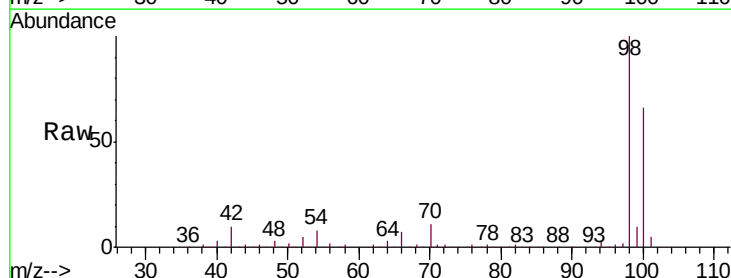
Acq: 24 May 2019 16:54

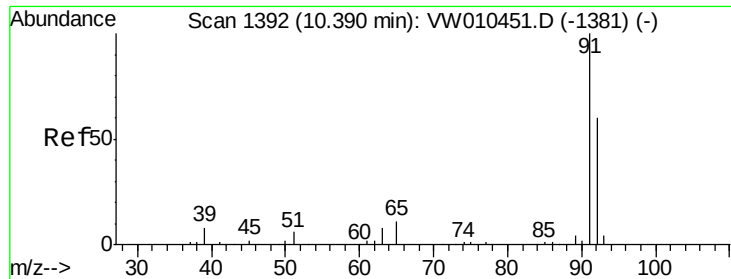
Tgt Ion: 43 Resp: 963

Ion Ratio Lower Upper

43 100

58 215.6 33.2 49.8#





#52

Toluene

Concen: 1.004 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010554.D

Acq: 24 May 2019 16:54

Instrument :

MSVOA_W

ClientSampled :

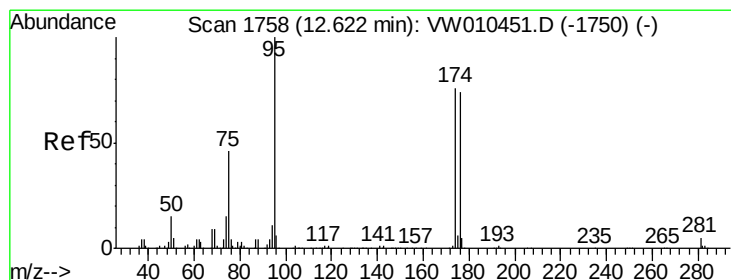
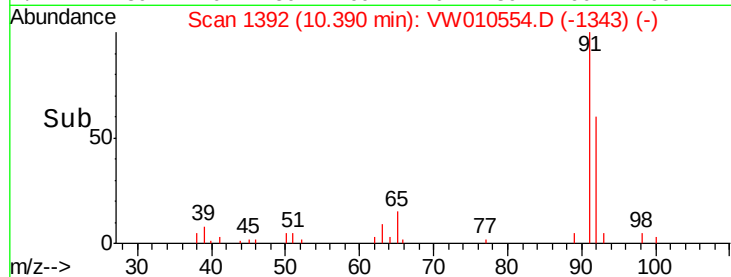
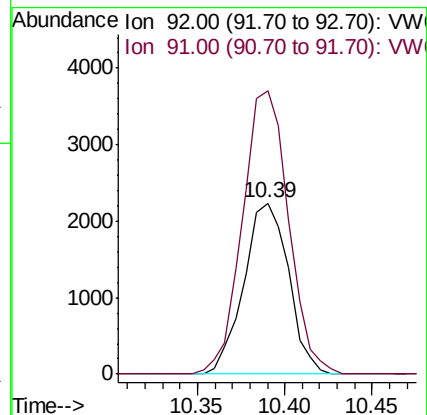
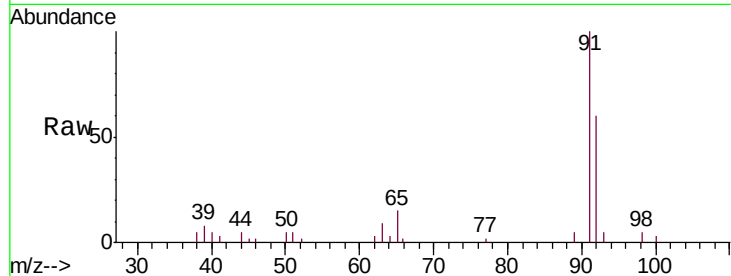
SP-1-A

Tgt Ion: 92 Resp: 3989

Ion Ratio Lower Upper

92 100

91 170.0 135.4 203.0



#62

4-Bromofluorobenzene

Concen: 45.677 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010554.D

Acq: 24 May 2019 16:54

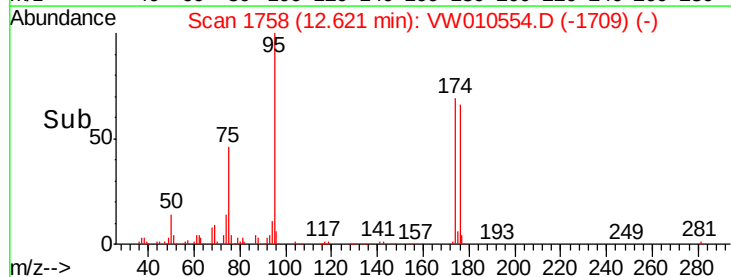
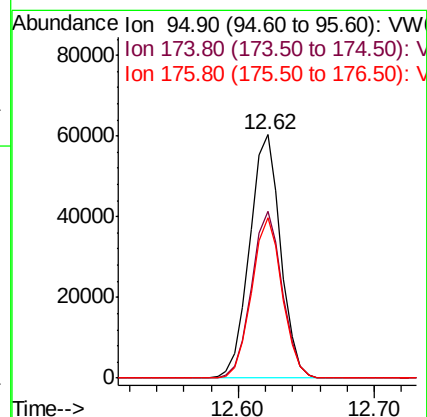
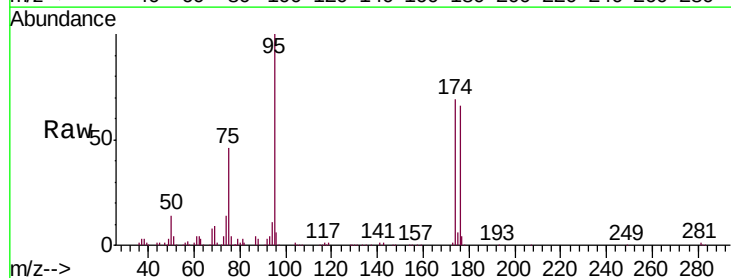
Tgt Ion: 95 Resp: 96397

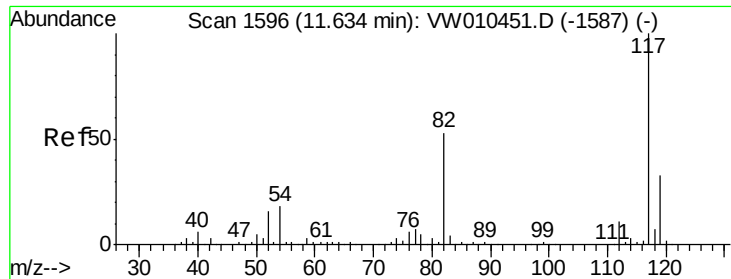
Ion Ratio Lower Upper

95 100

174 68.0 0.0 148.6

176 65.1 0.0 144.2

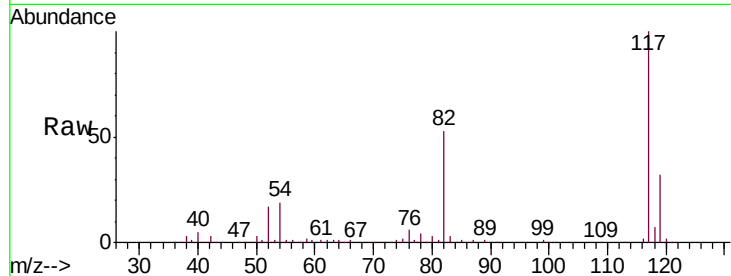




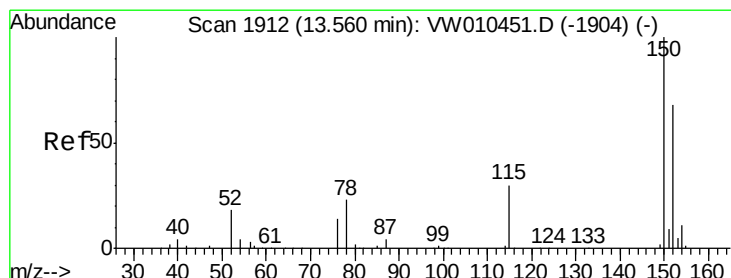
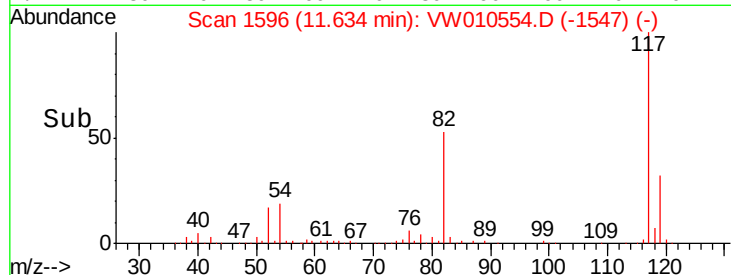
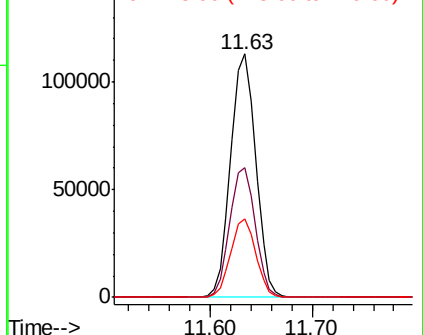
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010554.D
Acq: 24 May 2019 16:54

Instrument :
MSVOA_W
ClientSampled :
SP-1-A

Tgt Ion:117 Resp: 193043
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 32.3 26.3 39.5

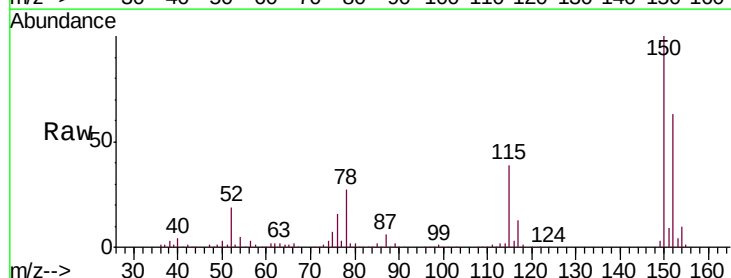


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

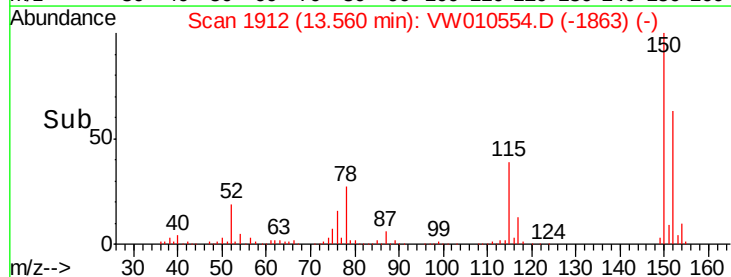
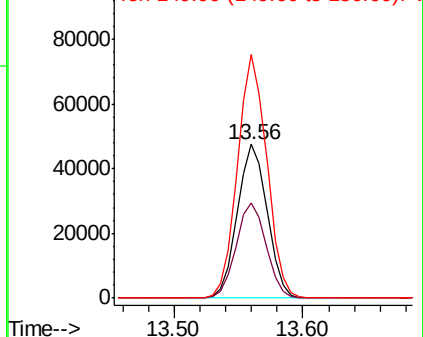


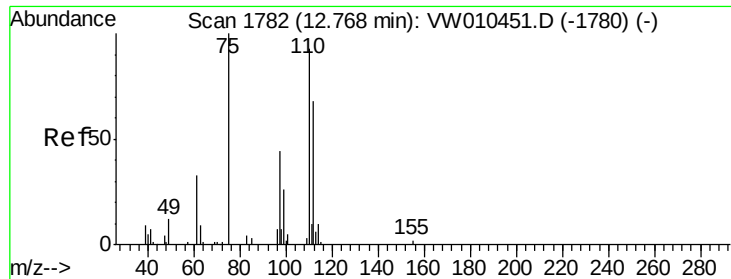
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010554.D
Acq: 24 May 2019 16:54

Tgt Ion:152 Resp: 75900
Ion Ratio Lower Upper
152 100
115 62.4 30.3 91.0
150 155.9 0.0 349.8



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: 58.074 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010554.D

Acq: 24 May 2019 16:54

Instrument :

MSVOA_W

ClientSampled :

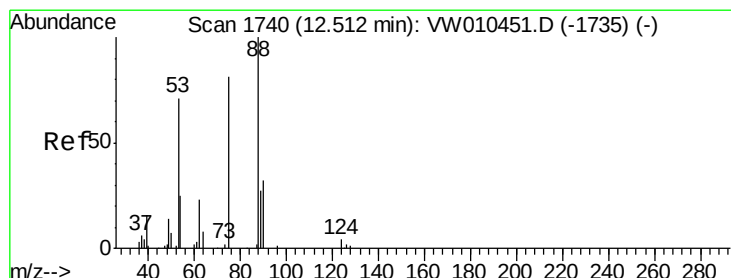
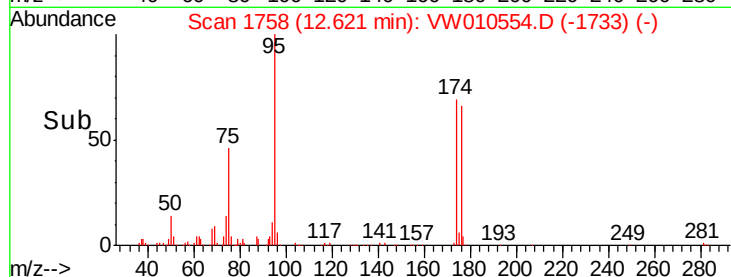
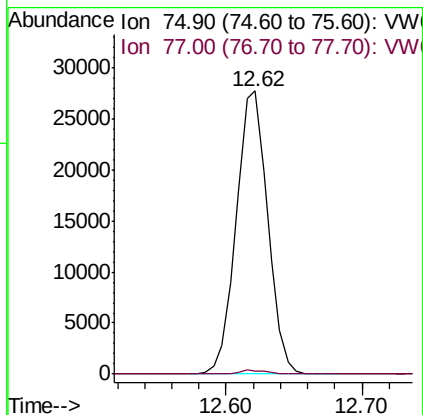
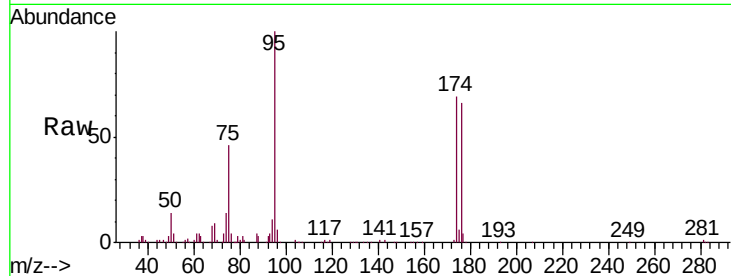
SP-1-A

Tgt Ion: 75 Resp: 44742

Ion Ratio Lower Upper

75 100

77 1.0 170.0 510.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.202 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010554.D

Acq: 24 May 2019 16:54

Tgt Ion: 75 Resp: 44742

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#

