

Data File : VW010494.D
Acq On : 21 May 2019 18:16
Operator : SY/VA
Sample : K2971-07
Misc : 5.35G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SUP-2A-G-7-052019

Quant Time: May 22 06:45:07 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	114843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	219362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	192693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	84203	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	69167	58.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.70%	
35) Dibromofluoromethane	7.88	113	67123	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
50) Toluene-d8	10.32	98	269655	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
62) 4-Bromofluorobenzene	12.62	95	98446	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	

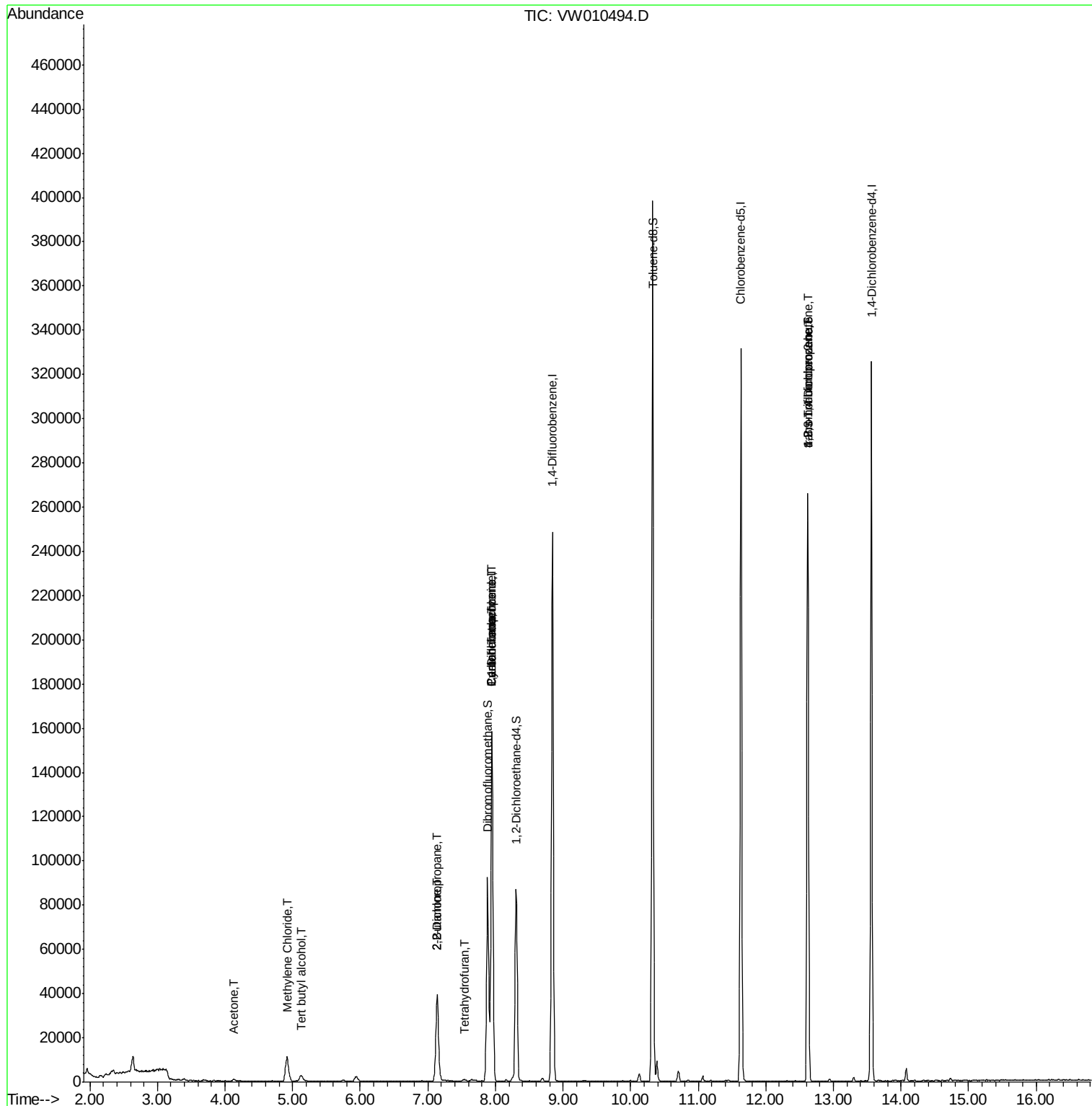
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.00	85	59	Below Cal	#	42
11) Tert butyl alcohol	5.12	59	2625	24.619	ug/l #	71
16) Acetone	4.13	43	1654	6.836	ug/l #	87
20) Methylene Chloride	4.92	84	8886	1.322	ug/l	95
25) 2-Butanone	7.14	43	2078	6.001	ug/l #	61
26) 2,2-Dichloropropane	7.13	77	2826	1.381	ug/l #	52
29) Tetrahydrofuran	7.54	42	695	2.966	ug/l #	83
31) Cyclohexane	7.95	56	2453	1.090	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	9383	4.592	ug/l #	48
38) Carbon Tetrachloride	7.95	117	12724	5.772	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	47450	55.516	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	47450	115.863	ug/l #	14

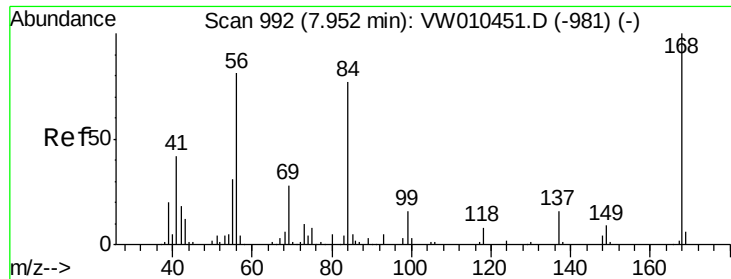
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010494.D

Acq: 21 May 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

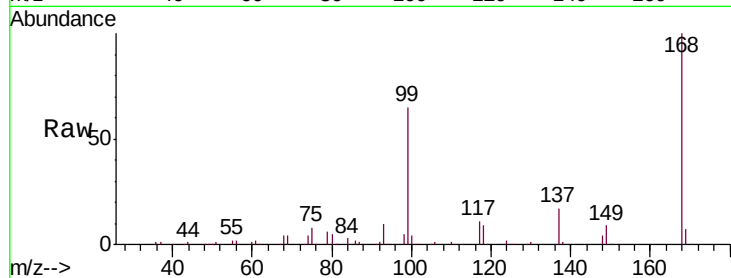
SUP-2A-G-7-052019

Tgt Ion:168 Resp: 114843

Ion Ratio Lower Upper

168 100

99 64.8 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

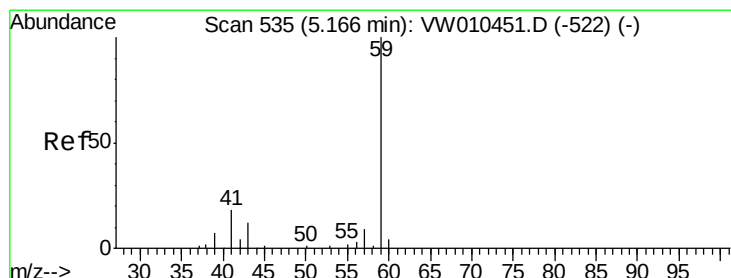
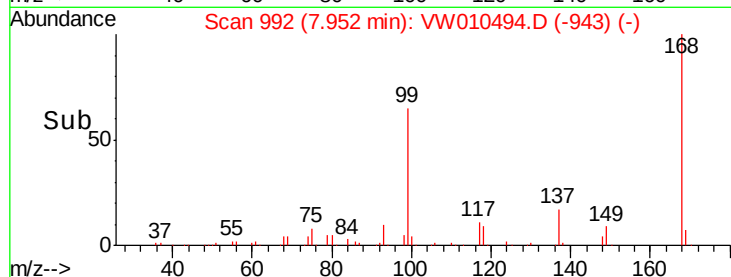
10000

0

Time-->

7.90

8.00



#11

Tert butyl alcohol

Concen: 24.619 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW010494.D

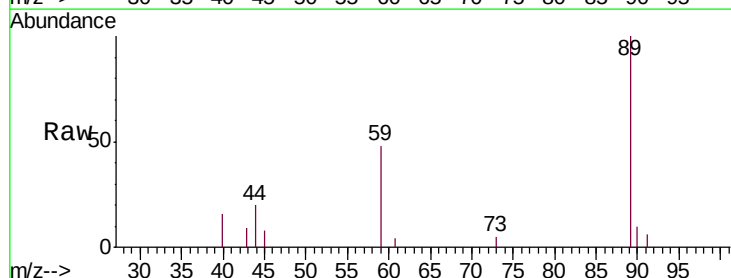
Acq: 21 May 2019 18:16

Tgt Ion: 59 Resp: 2625

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

5.12

600

400

200

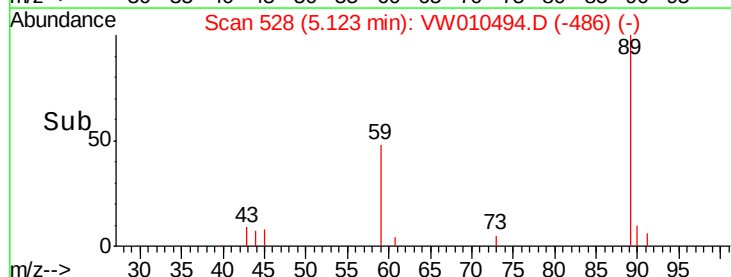
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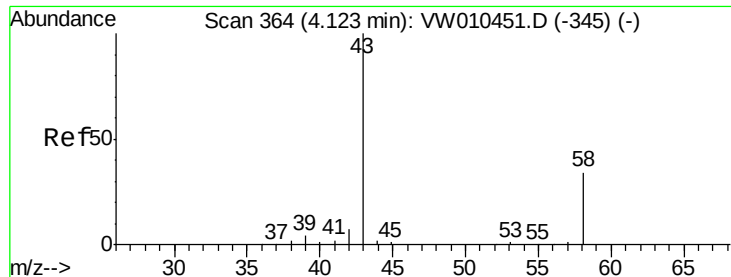
Time-->

5.00

5.10

5.20





#16

Acetone

Concen: 6.836 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010494.D

Acq: 21 May 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

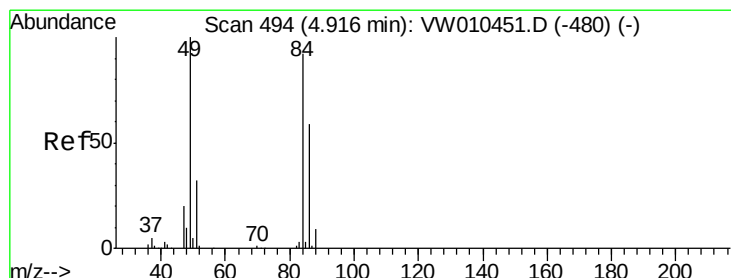
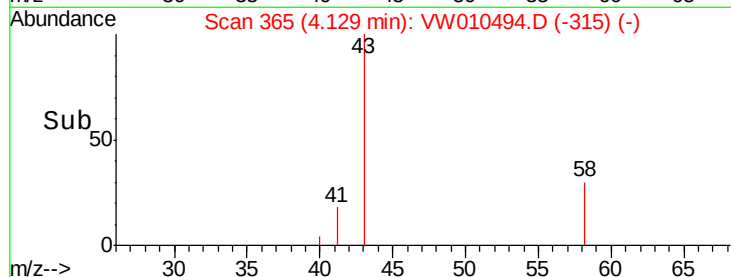
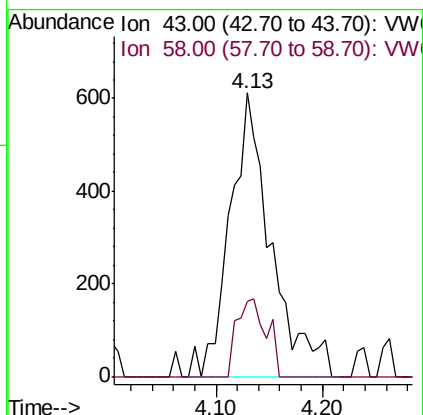
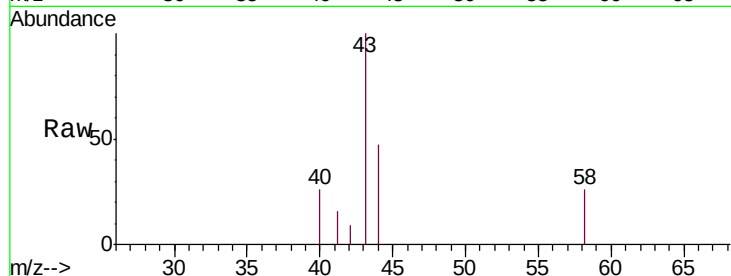
SUP-2A-G-7-052019

Tgt Ion: 43 Resp: 1654

Ion Ratio Lower Upper

43 100

58 26.5 27.0 40.4#



#20

Methylene Chloride

Concen: 1.322 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW010494.D

Acq: 21 May 2019 18:16

Tgt Ion: 84 Resp: 8886

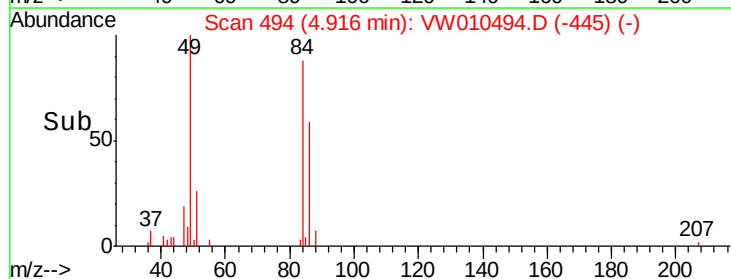
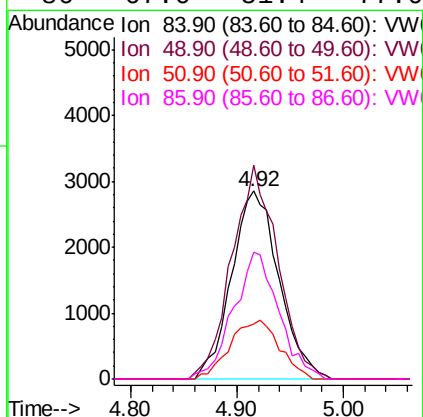
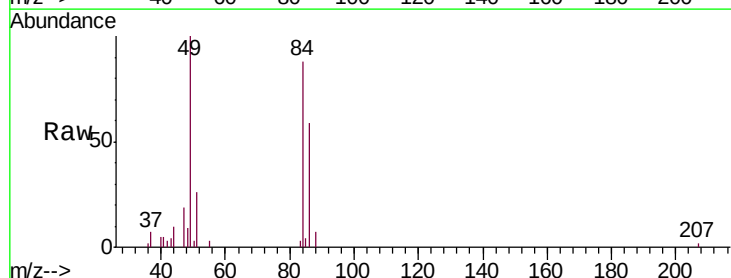
Ion Ratio Lower Upper

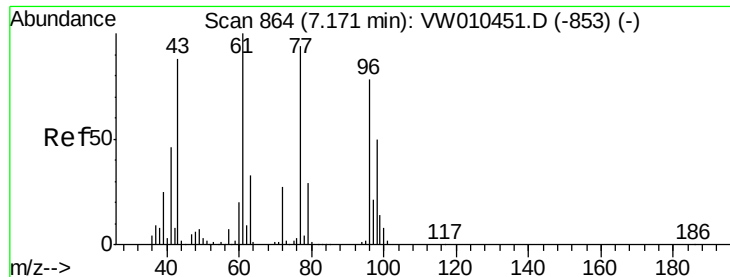
84 100

49 113.8 87.2 130.8

51 29.4 27.7 41.5

86 67.6 51.4 77.0





#25

2-Butanone

Concen: 6.001 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW010494.D

Acq: 21 May 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

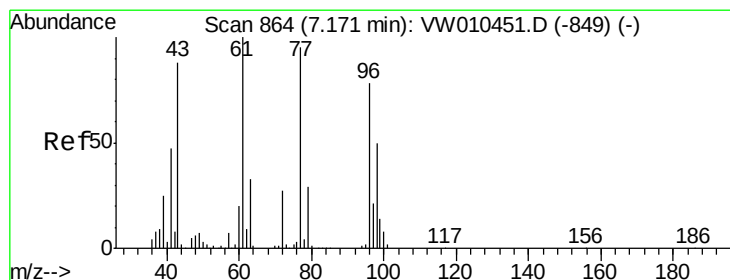
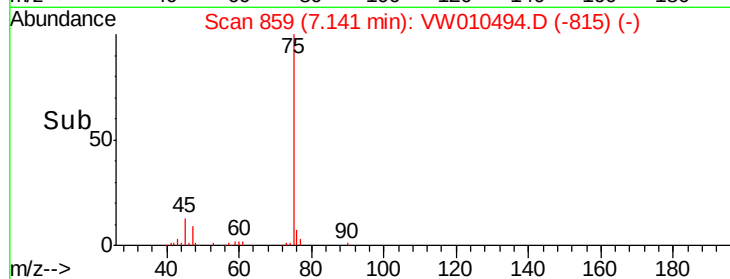
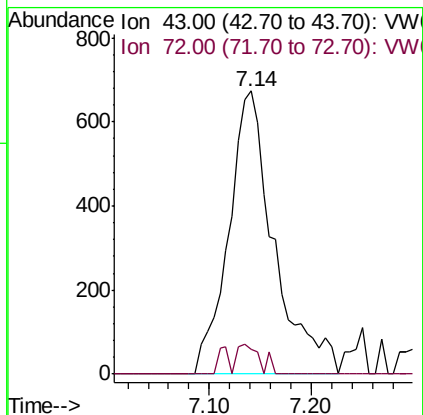
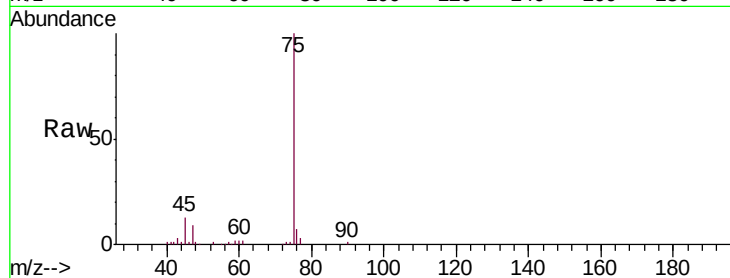
SUP-2A-G-7-052019

Tgt Ion: 43 Resp: 2078

Ion Ratio Lower Upper

43 100

72 8.8 24.1 36.1#



#26

2,2-Dichloropropane

Concen: 1.381 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW010494.D

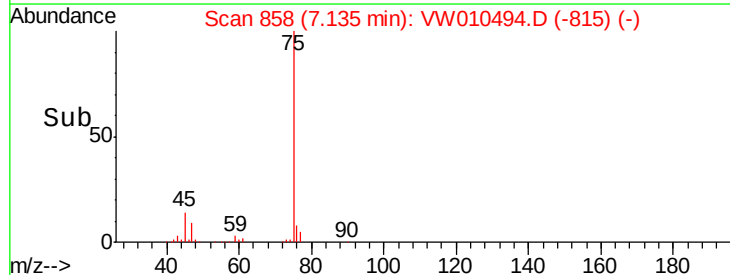
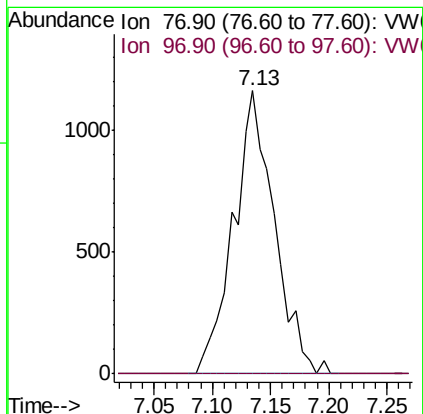
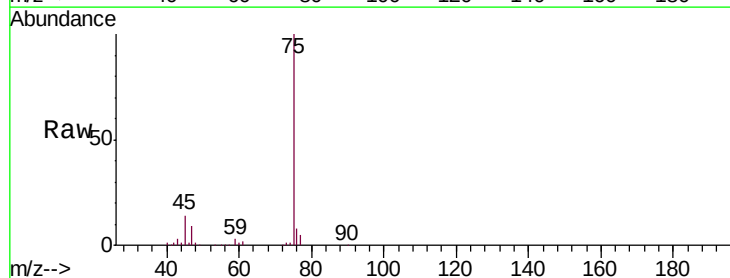
Acq: 21 May 2019 18:16

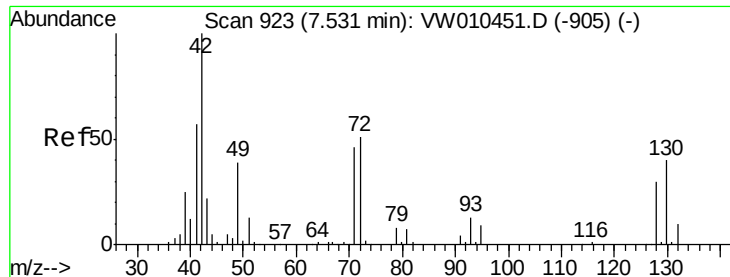
Tgt Ion: 77 Resp: 2826

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#

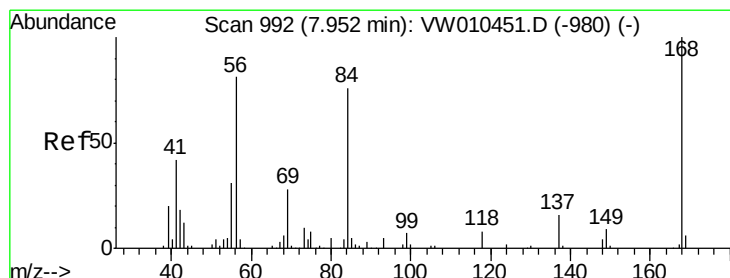
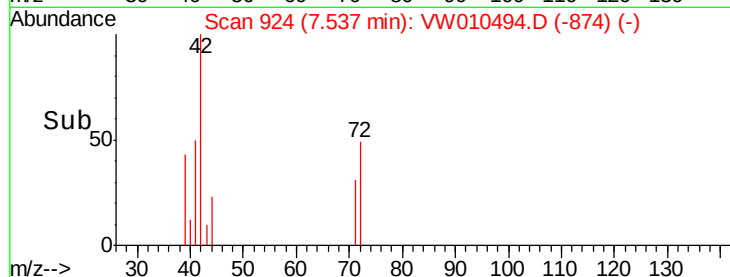
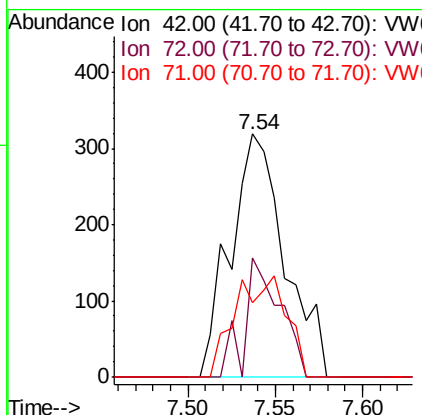
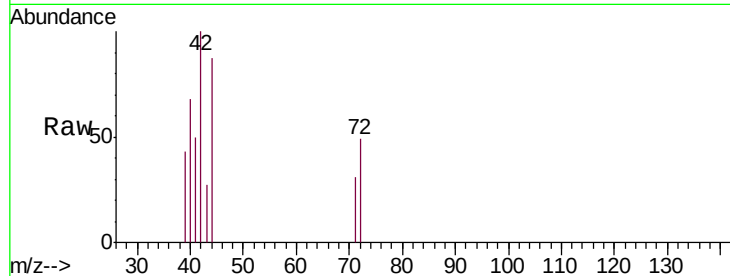




#29
Tetrahydrofuran
Concen: 2.966 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW010494.D
Acq: 21 May 2019 18:16

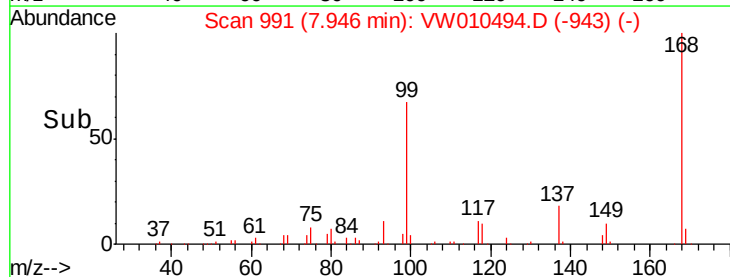
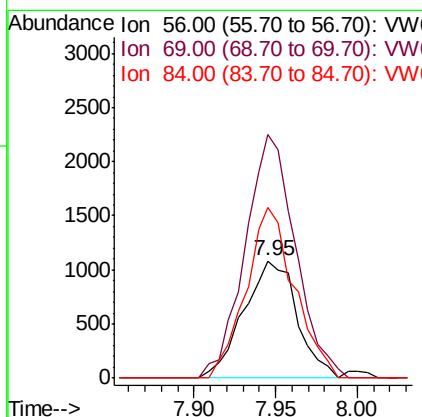
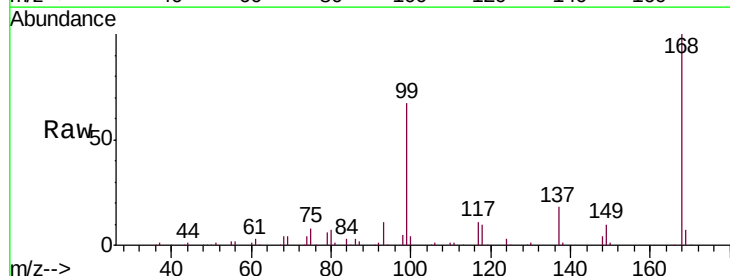
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SUP-2A-G-7-052019

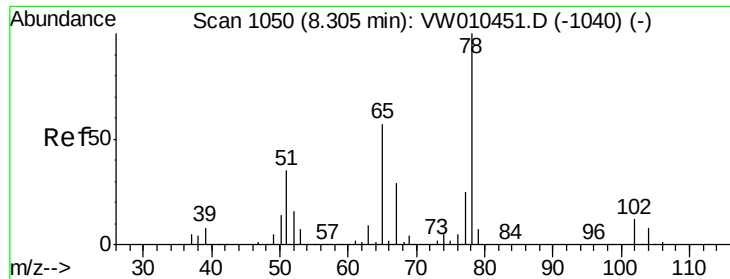
Tgt Ion: 42 Resp: 695
Ion Ratio Lower Upper
42 100
72 31.4 38.5 57.7#
71 39.1 36.5 54.7



#31
Cyclohexane
Concen: 1.090 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010494.D
Acq: 21 May 2019 18:16

Tgt Ion: 56 Resp: 2453
Ion Ratio Lower Upper
56 100
69 207.8 28.2 42.2#
84 145.4 75.8 113.8#

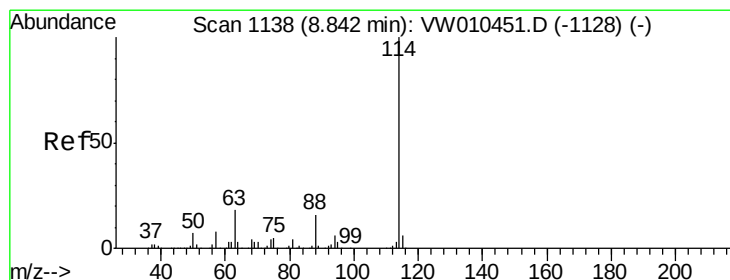
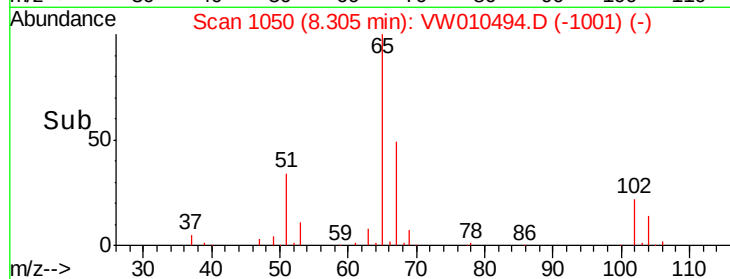
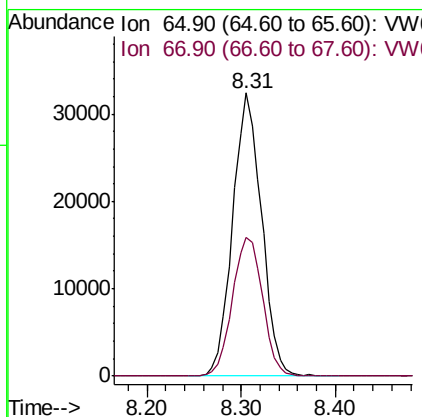
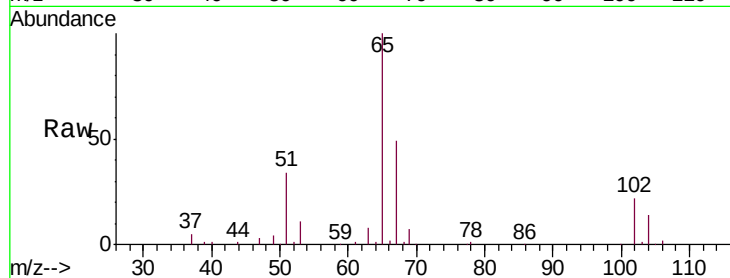




#33
 1,2-Dichloroethane-d4
 Concen: 58.350 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010494.D
 Acq: 21 May 2019 18:16

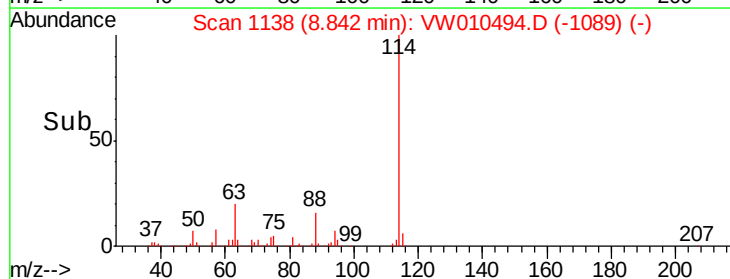
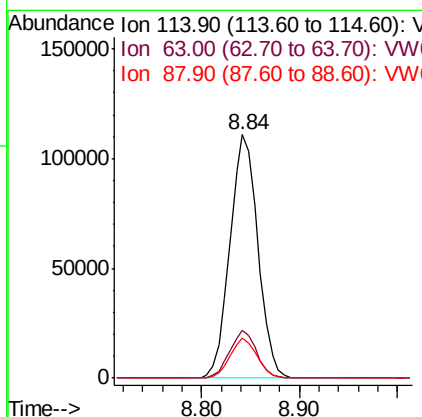
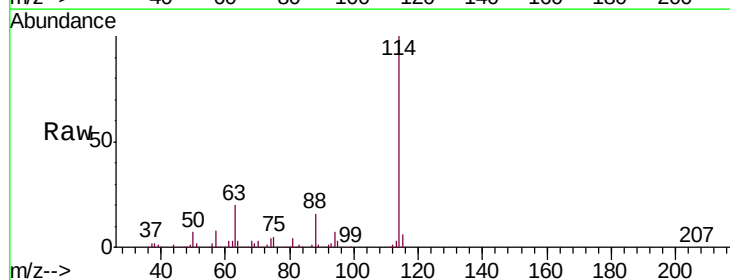
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-2A-G-7-052019

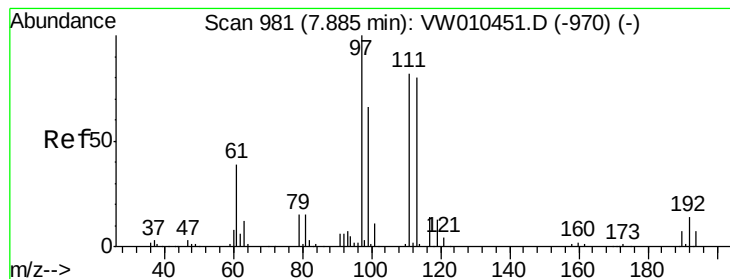
Tgt Ion: 65 Resp: 69167
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010494.D
 Acq: 21 May 2019 18:16

Tgt Ion: 114 Resp: 219362
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 36.0
 88 16.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.429 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010494.D

Acq: 21 May 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

SUP-2A-G-7-052019

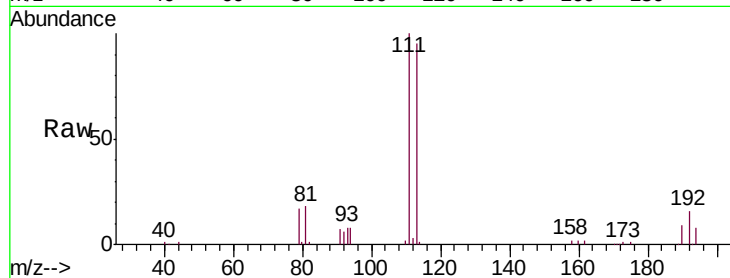
Tgt Ion:113 Resp: 67123

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

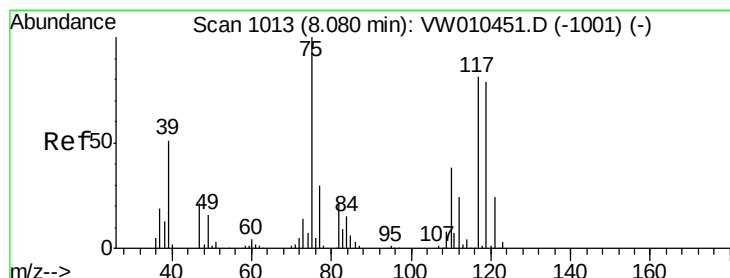
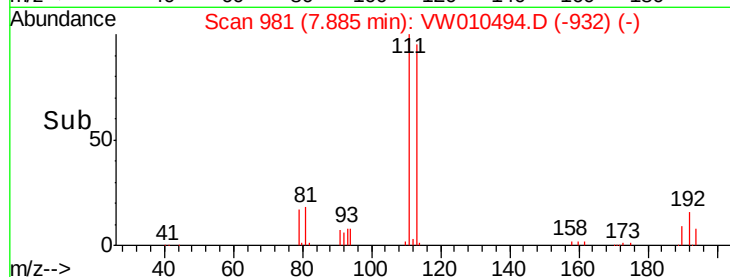
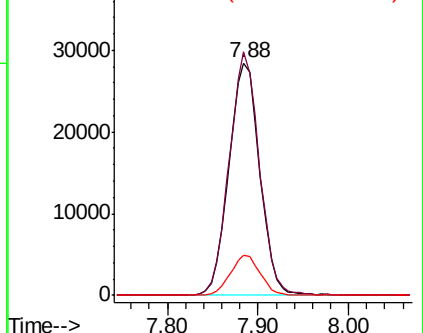
192 16.7 14.3 21.5



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: 4.592 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010494.D

Acq: 21 May 2019 18:16

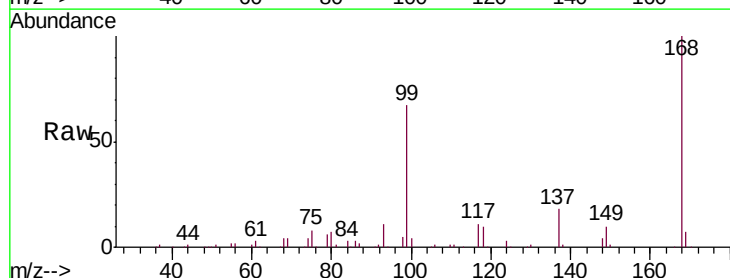
Tgt Ion: 75 Resp: 9383

Ion Ratio Lower Upper

75 100

110 9.2 19.2 57.6#

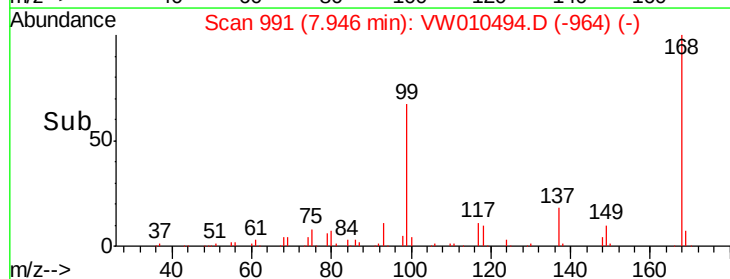
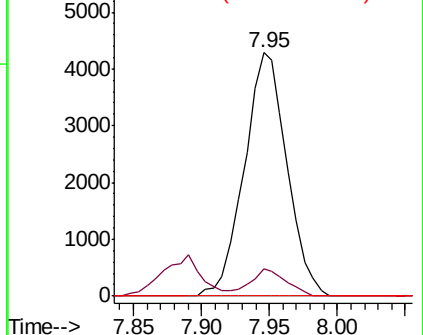
77 0.0 25.2 37.8#

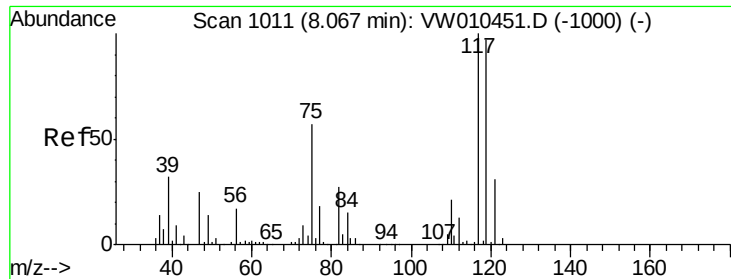


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

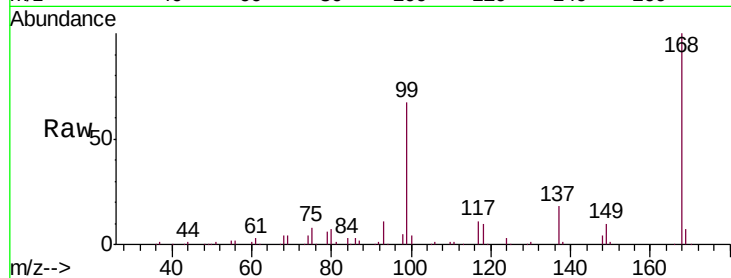




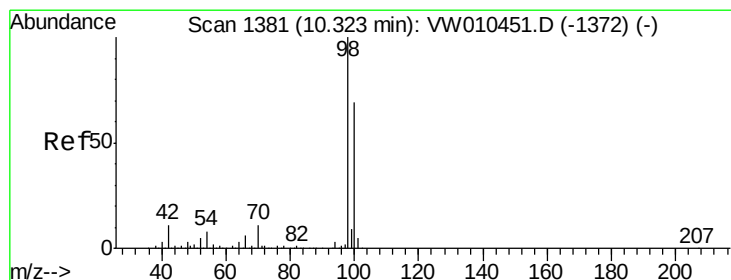
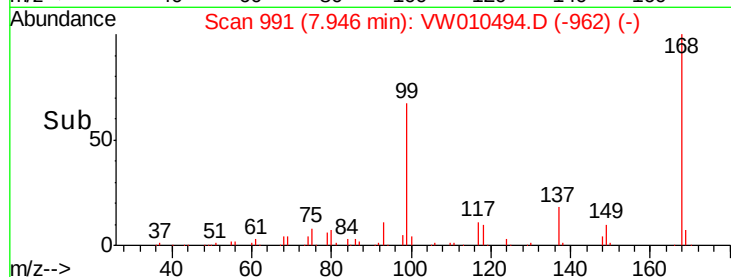
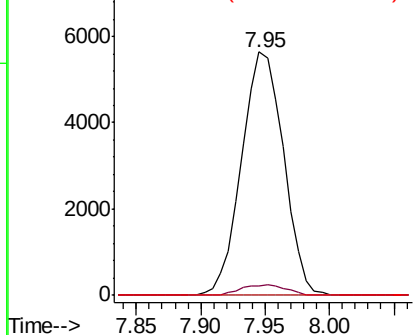
#38
Carbon Tetrachloride
Concen: 5.772 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010494.D
Acq: 21 May 2019 18:16

Instrument :
MSVOA_W
ClientSampleId :
SUP-2A-G-7-052019

Tgt Ion: 117 Resp: 12724
Ion Ratio Lower Upper
117 100
119 4.1 77.4 116.0#
121 0.0 25.0 37.6#

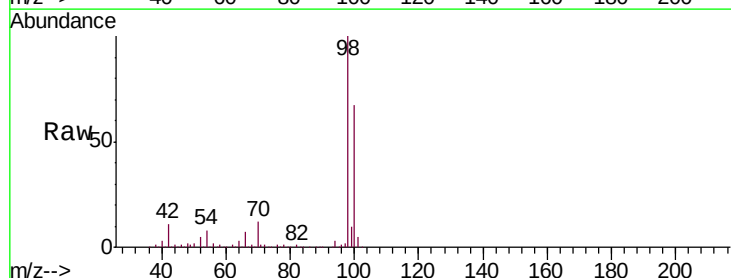


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

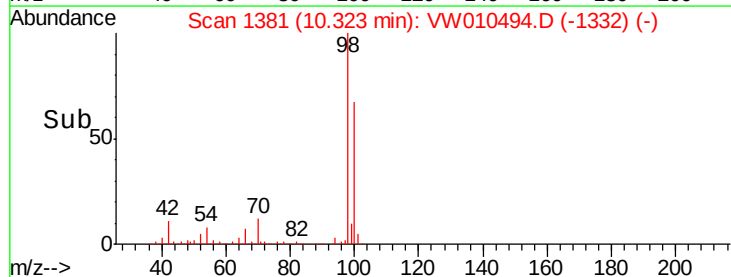
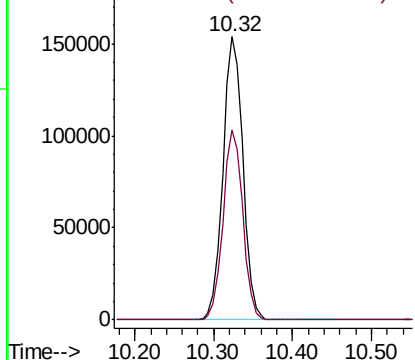


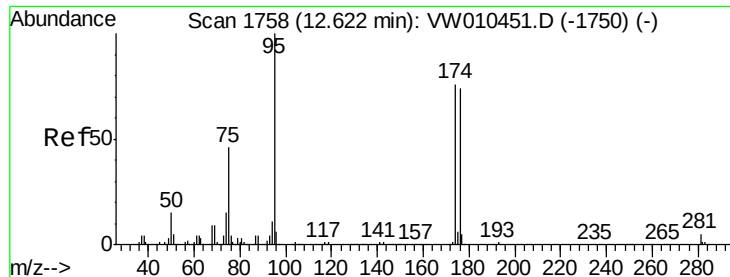
#50
Toluene-d8
Concen: 53.030 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010494.D
Acq: 21 May 2019 18:16

Tgt Ion: 98 Resp: 269655
Ion Ratio Lower Upper
98 100
100 66.5 53.7 80.5



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





#62

4-Bromofluorobenzene

Concen: 48.606 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010494.D

Acq: 21 May 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

SUP-2A-G-7-052019

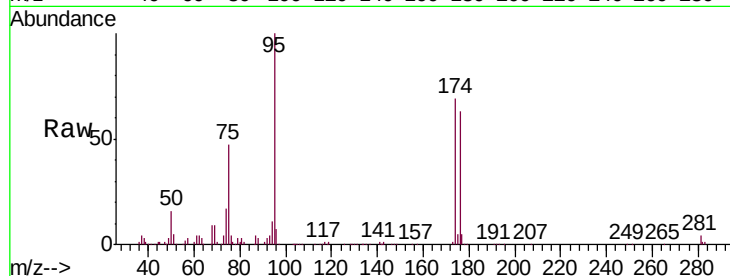
Tgt Ion: 95 Resp: 98446

Ion Ratio Lower Upper

95 100

174 67.7 0.0 148.6

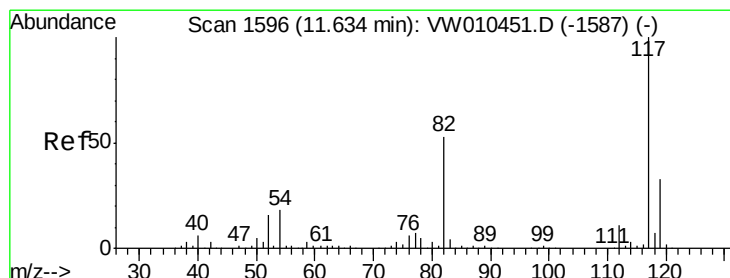
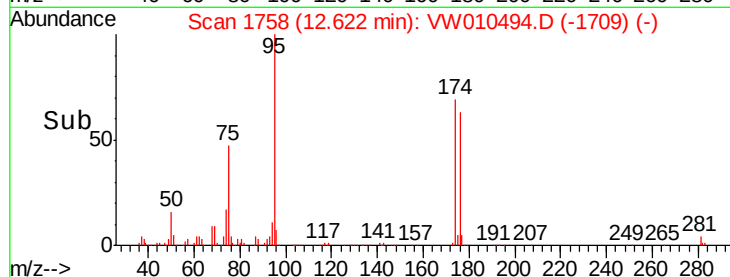
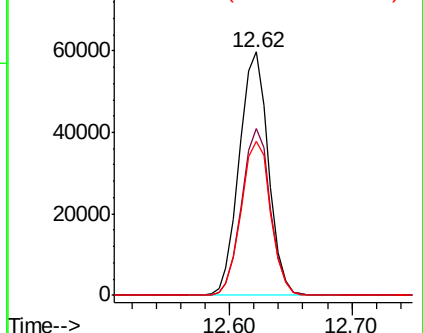
176 64.4 0.0 144.2



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# 1596

Delta R.T. 0.00 min

Lab File: VW010494.D

Acq: 21 May 2019 18:16

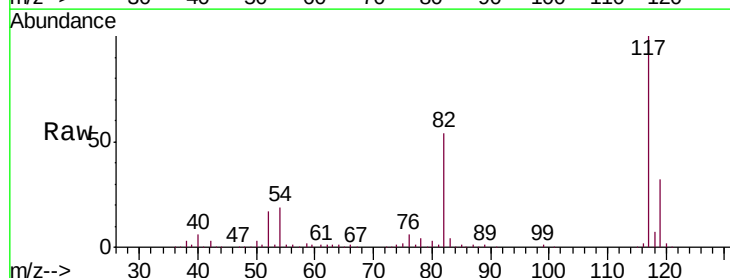
Tgt Ion: 117 Resp: 192693

Ion Ratio Lower Upper

117 100

82 54.0 42.8 64.2

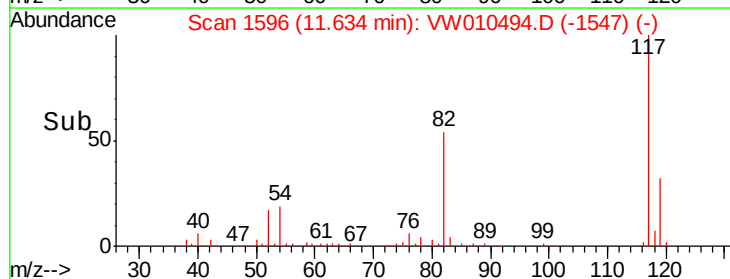
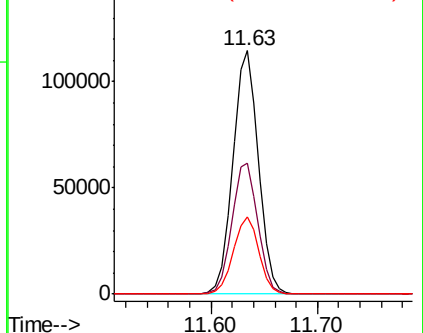
119 32.0 26.3 39.5

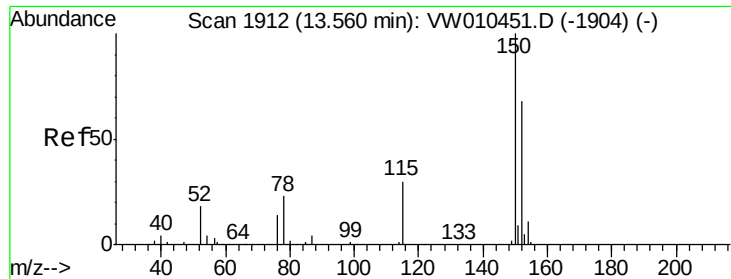


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW010494.D

Acq: 21 May 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

SUP-2A-G-7-052019

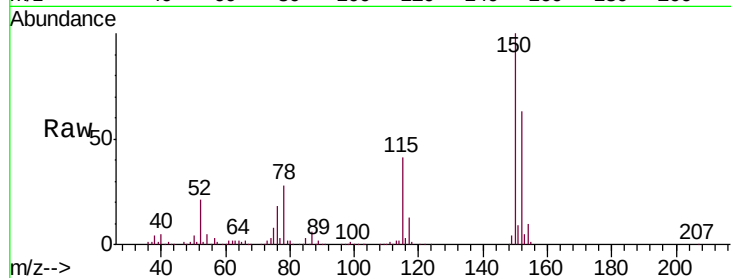
Tgt Ion:152 Resp: 84203

Ion Ratio Lower Upper

152 100

115 63.2 30.3 91.0

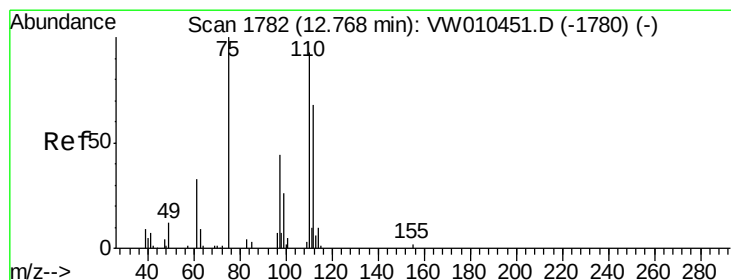
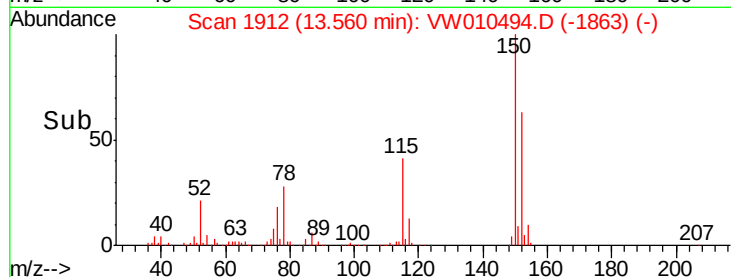
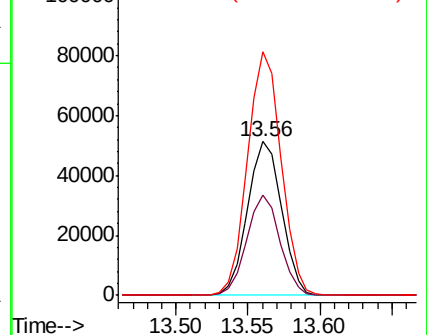
150 155.7 0.0 349.8



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: 55.516 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010494.D

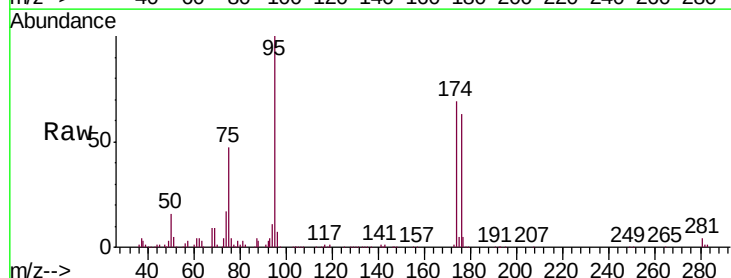
Acq: 21 May 2019 18:16

Tgt Ion: 75 Resp: 47450

Ion Ratio Lower Upper

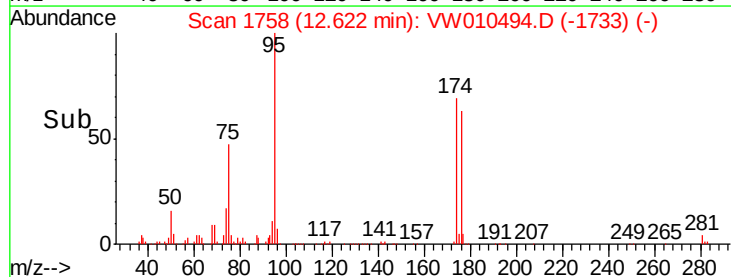
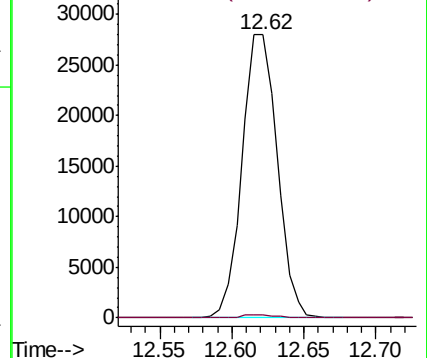
75 100

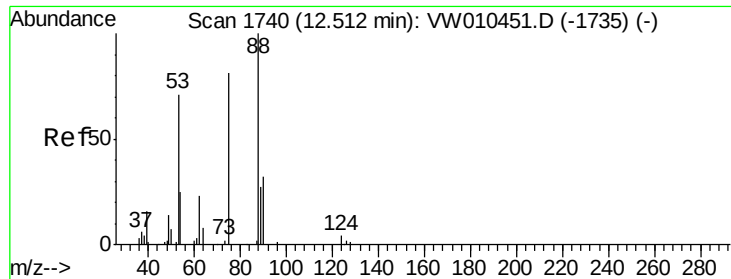
77 1.1 170.0 510.1#



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: 115.863 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010494.D

Acq: 21 May 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

SUP-2A-G-7-052019

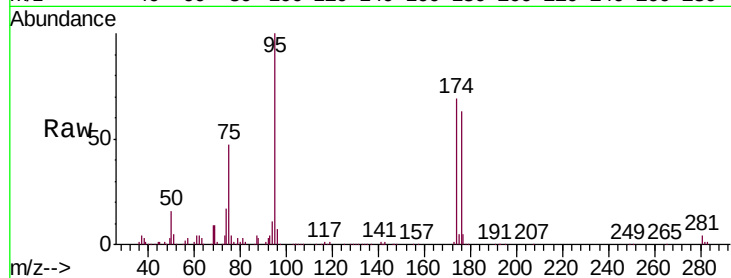
Tgt Ion: 75 Resp: 47450

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

