

Data File : VW010495.D
Acq On : 21 May 2019 18:43
Operator : SY/VA
Sample : K2971-08
Misc : 5.93G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SUP-2A-G-8-052019

Quant Time: May 22 06:45:21 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	115361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	220329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	194006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83144	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	70347	59.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.16%	
35) Dibromofluoromethane	7.88	113	68500	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
50) Toluene-d8	10.32	98	270176	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
62) 4-Bromofluorobenzene	12.62	95	99166	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	

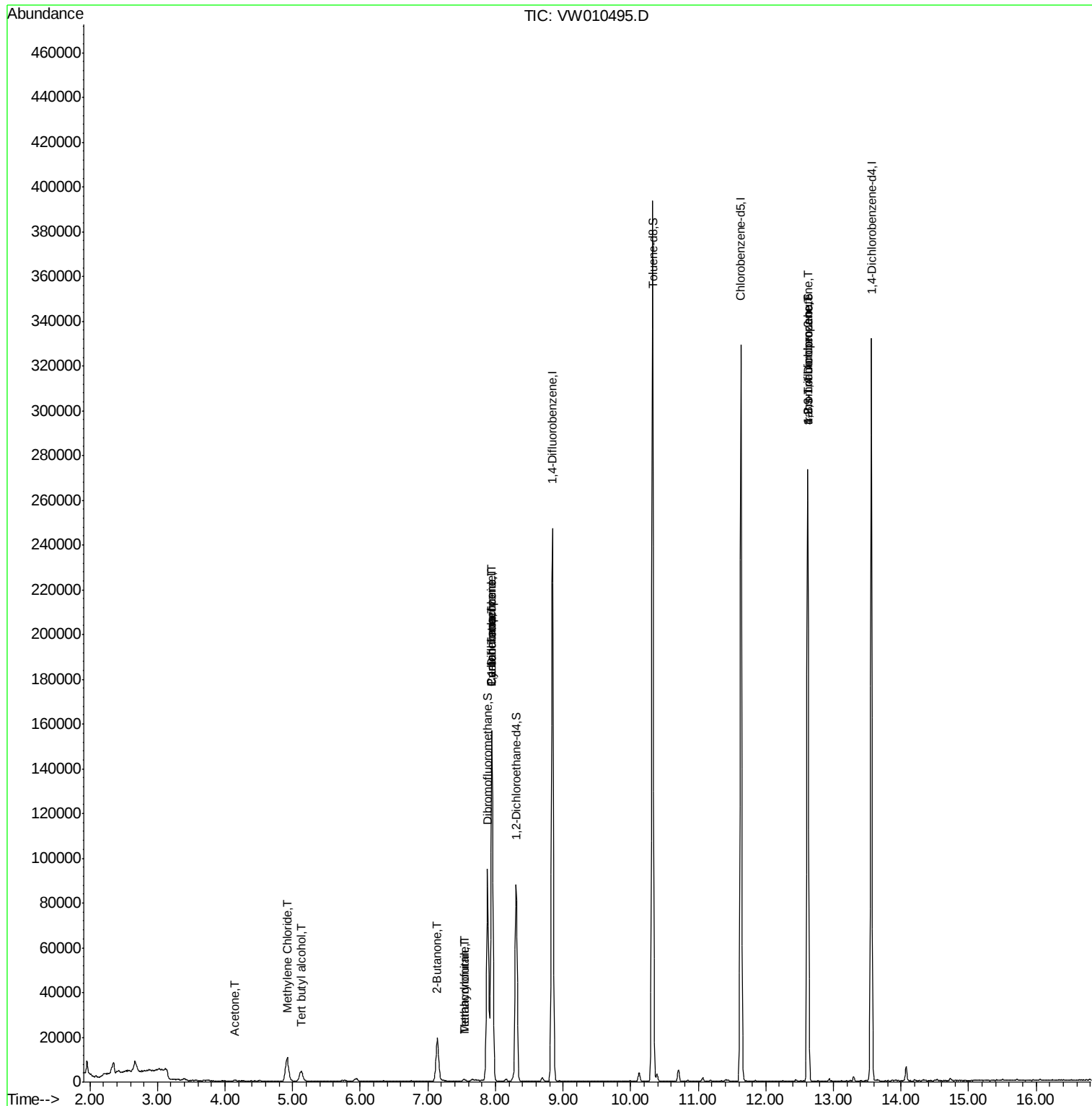
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.00	85	53	Below Cal	#	42
11) Tert butyl alcohol	5.12	59	4273	39.896	ug/l #	71
13) Acrolein	3.65	56	19	Below Cal	#	23
16) Acetone	4.14	43	816	3.357	ug/l #	84
20) Methylene Chloride	4.92	84	8666	1.119	ug/l	97
25) 2-Butanone	7.15	43	1269	3.648	ug/l #	45
29) Tetrahydrofuran	7.54	42	706	3.000	ug/l #	62
31) Cyclohexane	7.95	56	2545	1.126	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	9278	4.520	ug/l #	48
38) Carbon Tetrachloride	7.95	117	12755	5.761	ug/l #	15
41) Methacrylonitrile	7.53	41	632	1.219	ug/l #	38
76) 1,2,3-Trichloropropane	12.62	75	48009	56.885	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	48009	118.721	ug/l #	14

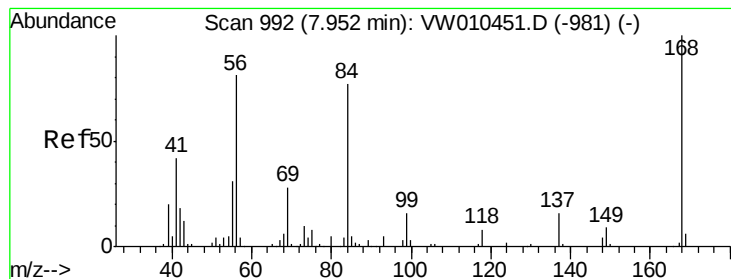
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW010495.D
Acq On : 21 May 2019 18:43
Operator : SY/VA
Sample : K2971-08
Misc : 5.93G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SUP-2A-G-8-052019

Quant Time: May 22 06:45:21 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010495.D

Acq: 21 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

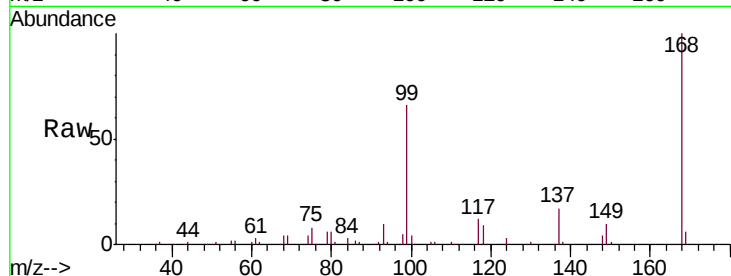
SUP-2A-G-8-052019

Tgt Ion: 168 Resp: 115361

Ion Ratio Lower Upper

168 100

99 65.9 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

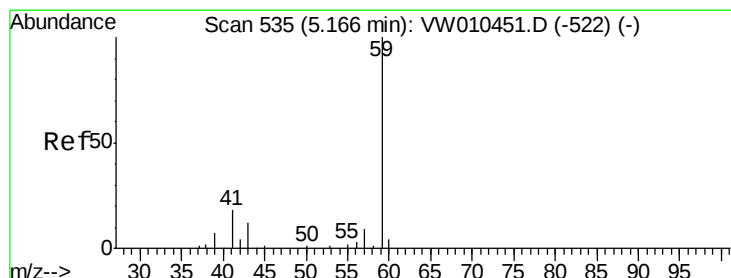
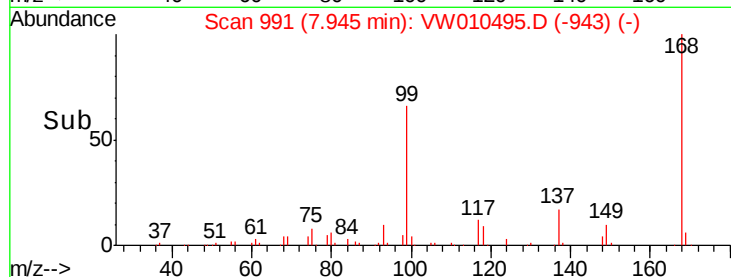
20000

10000

0

Time-->

7.90 8.00



#11

Tert butyl alcohol

Concen: 39.896 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW010495.D

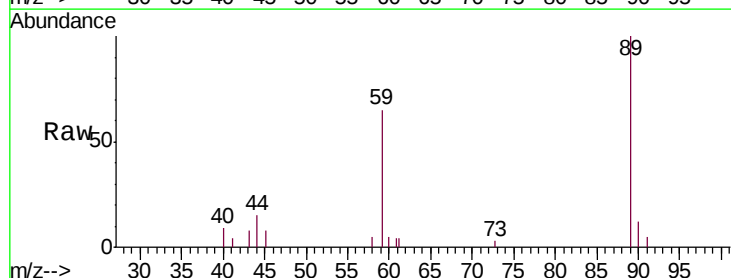
Acq: 21 May 2019 18:43

Tgt Ion: 59 Resp: 4273

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

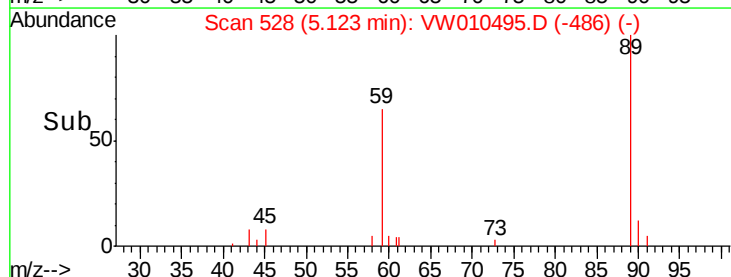
1000

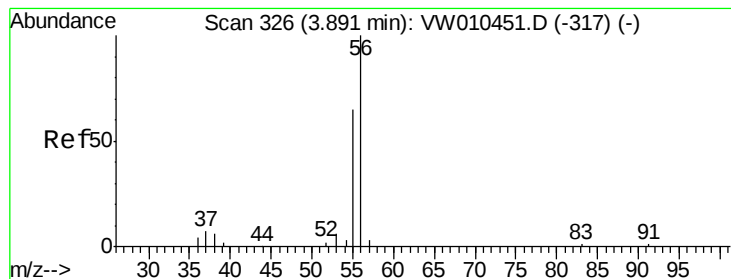
500

0

Time-->

5.00 5.10 5.20





#13

Acrolein

Concen: Below Cal

RT: 3.65 min Scan# 287

Delta R.T. -0.24 min

Lab File: VW010495.D

Acq: 21 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

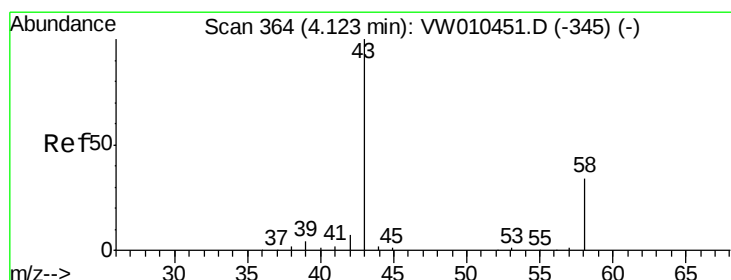
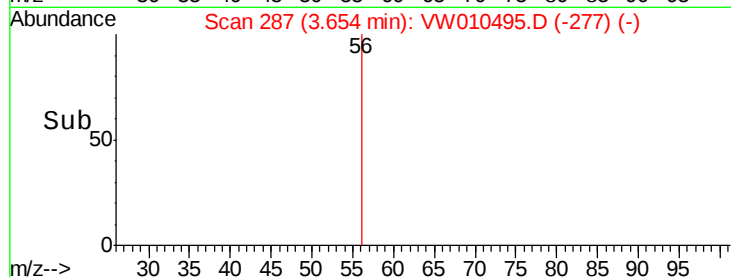
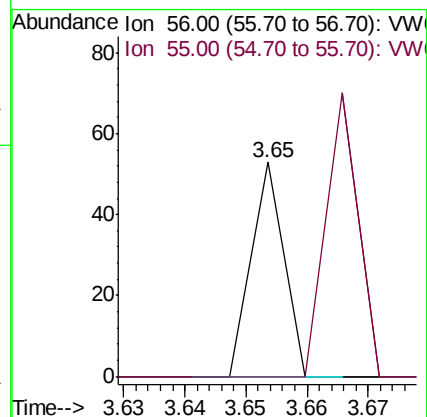
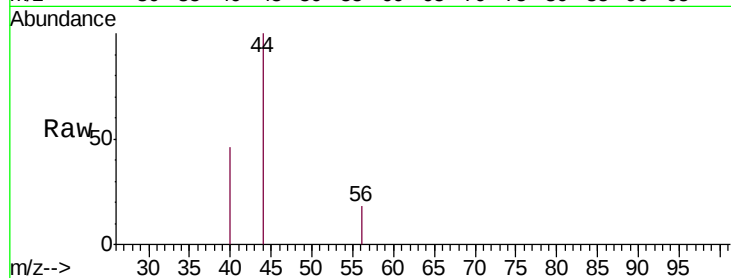
SUP-2A-G-8-052019

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 136.8 57.9 86.9#



#16

Acetone

Concen: 3.357 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010495.D

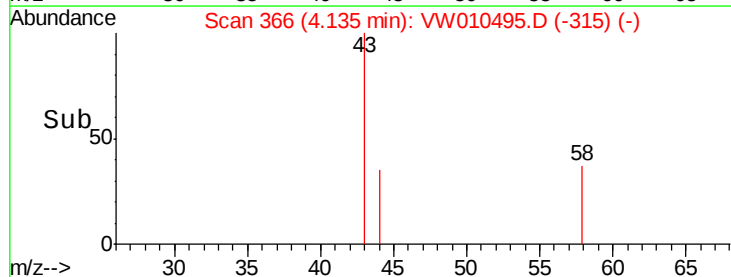
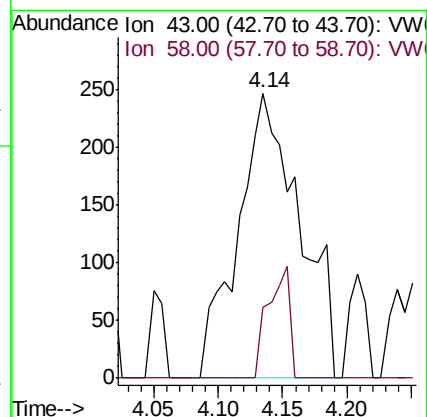
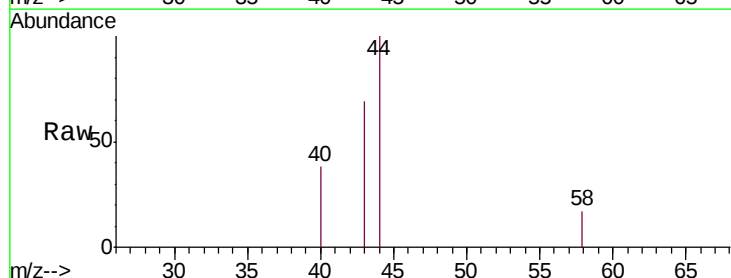
Acq: 21 May 2019 18:43

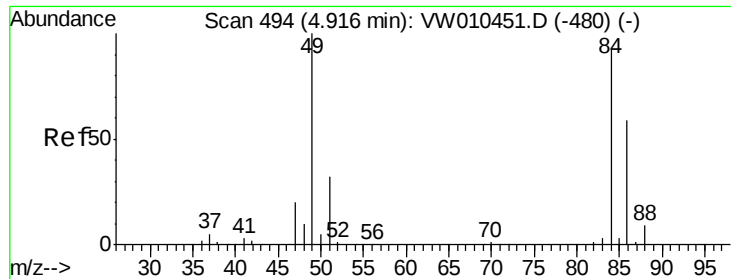
Tgt Ion: 43 Resp: 816

Ion Ratio Lower Upper

43 100

58 24.7 27.0 40.4#

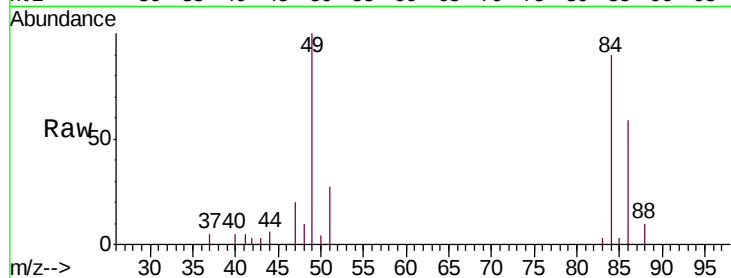




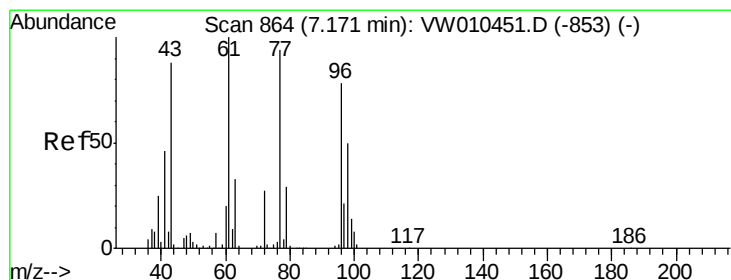
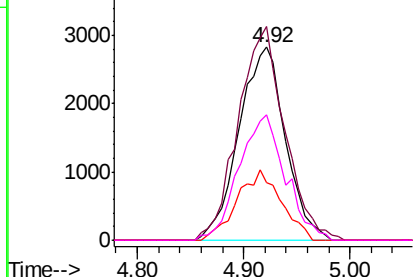
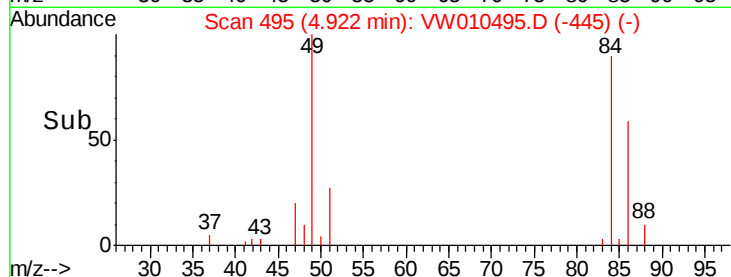
#20
Methylene Chloride
Concen: 1.119 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010495.D
Acq: 21 May 2019 18:43

Instrument :
MSVOA_W
ClientSampleId :
SUP-2A-G-8-052019

Tgt Ion: 84 Resp: 8666
Ion Ratio Lower Upper
84 100
49 110.7 87.2 130.8
51 30.2 27.7 41.5
86 65.3 51.4 77.0

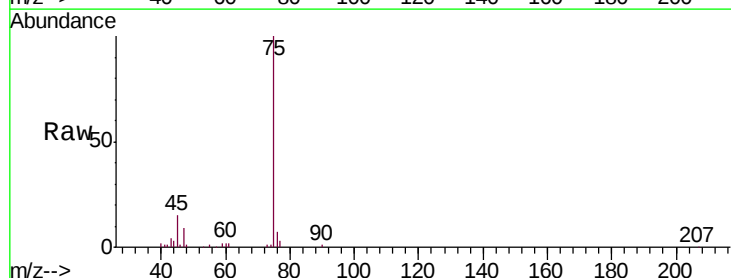


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

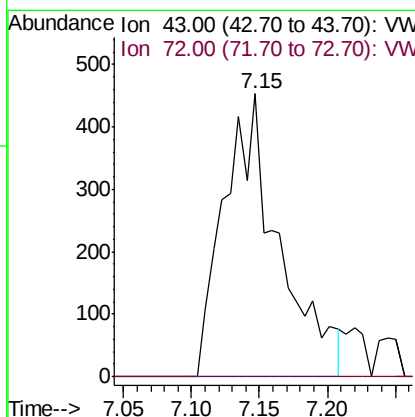
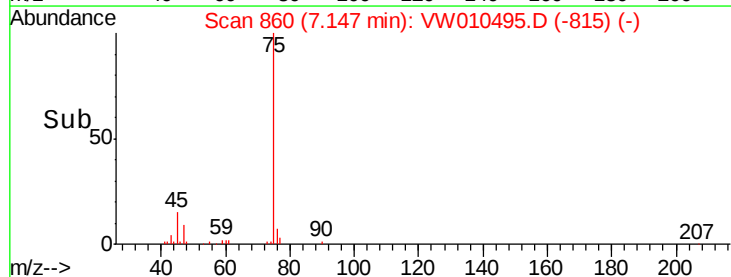


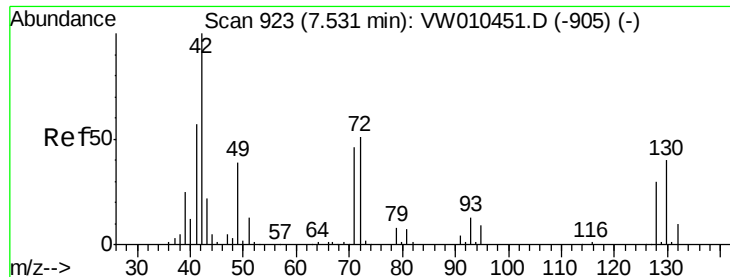
#25
2-Butanone
Concen: 3.648 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW010495.D
Acq: 21 May 2019 18:43

Tgt Ion: 43 Resp: 1269
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





#29

Tetrahydrofuran

Concen: 3.000 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW010495.D

Acq: 21 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

SUP-2A-G-8-052019

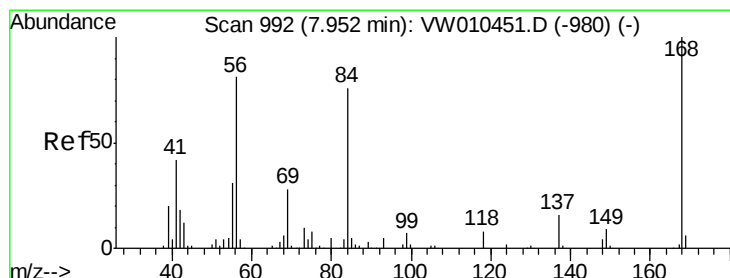
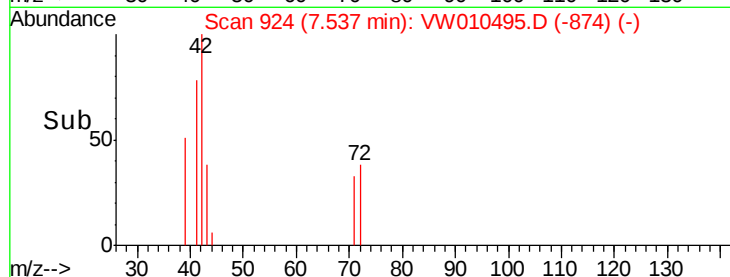
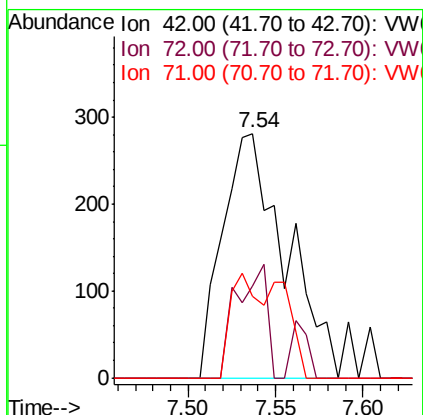
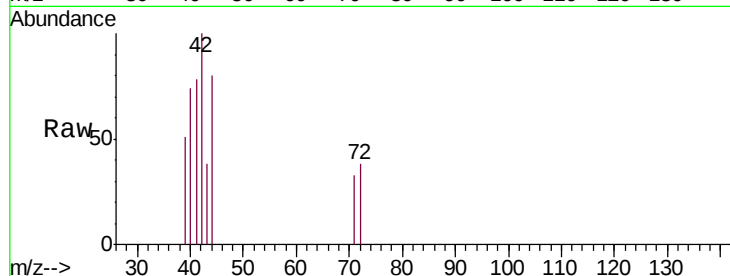
Tgt Ion: 42 Resp: 706

Ion Ratio Lower Upper

42 100

72 22.1 38.5 57.7#

71 20.7 36.5 54.7#



#31

Cyclohexane

Concen: 1.126 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010495.D

Acq: 21 May 2019 18:43

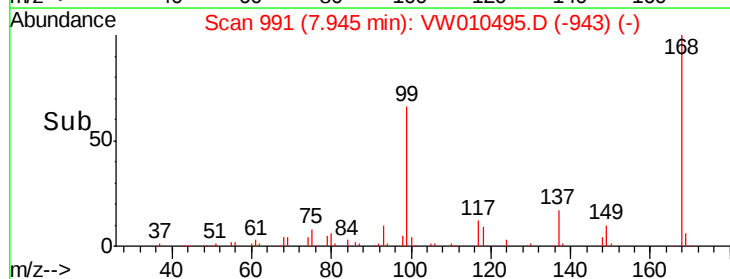
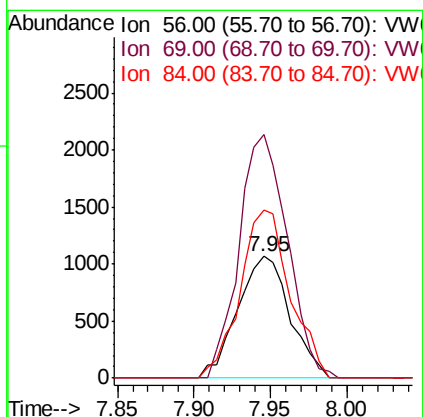
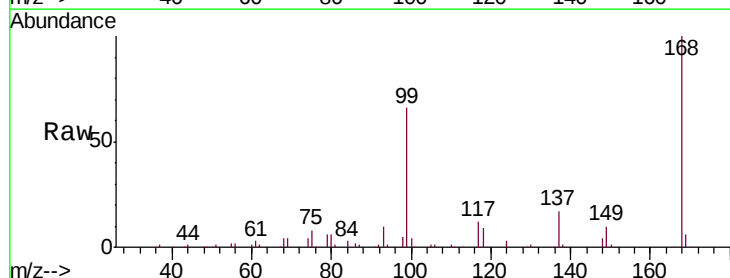
Tgt Ion: 56 Resp: 2545

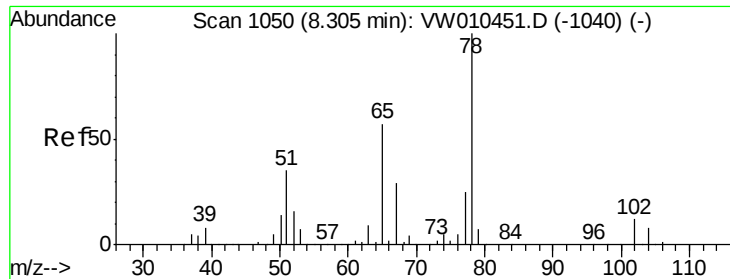
Ion Ratio Lower Upper

56 100

69 200.4 28.2 42.2#

84 138.5 75.8 113.8#

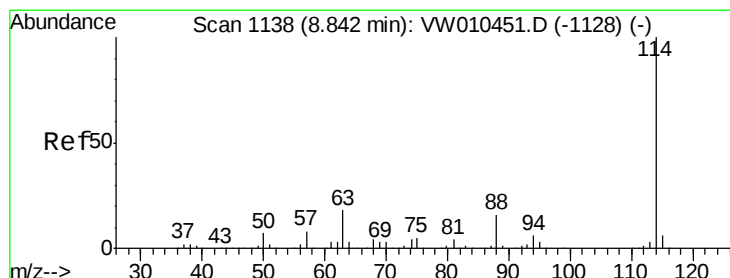
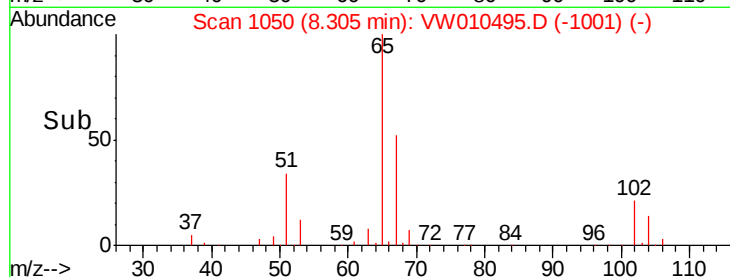
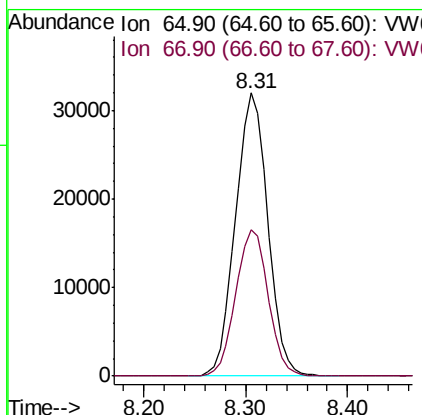
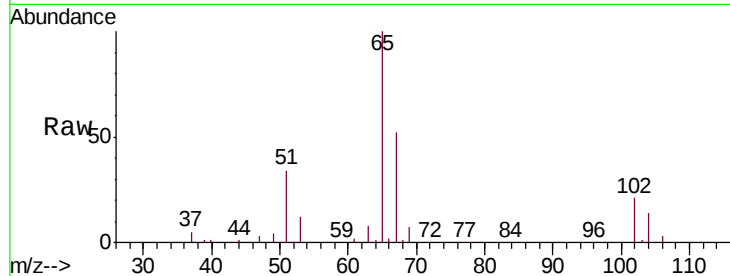




#33
 1,2-Dichloroethane-d4
 Concen: 59.079 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010495.D
 Acq: 21 May 2019 18:43

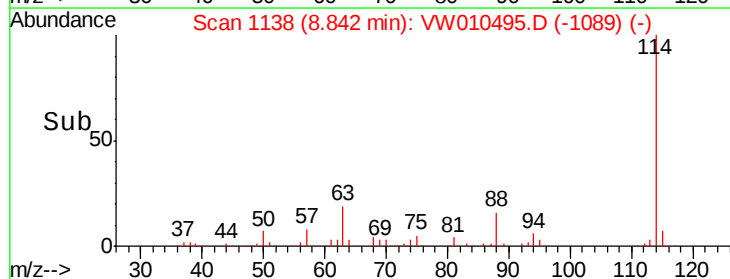
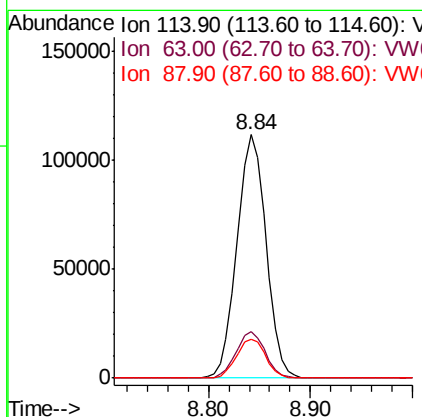
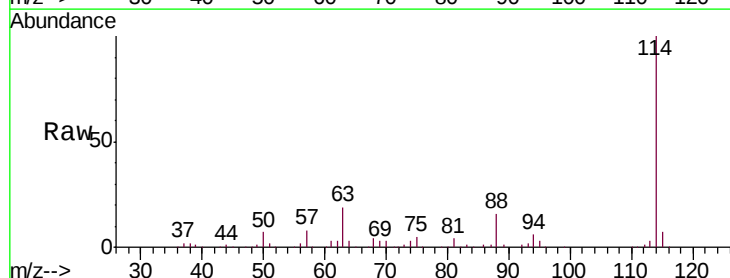
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-2A-G-8-052019

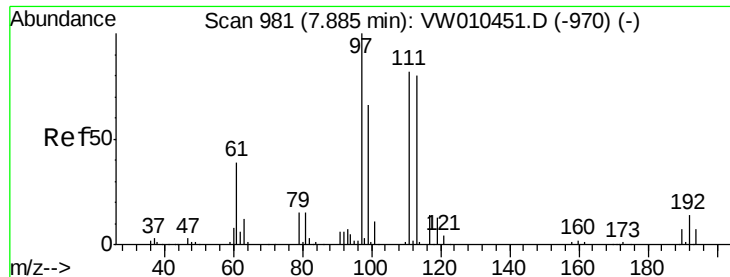
Tgt Ion: 65 Resp: 70347
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010495.D
 Acq: 21 May 2019 18:43

Tgt Ion: 114 Resp: 220329
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 36.0
 88 15.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.237 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010495.D

Acq: 21 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

SUP-2A-G-8-052019

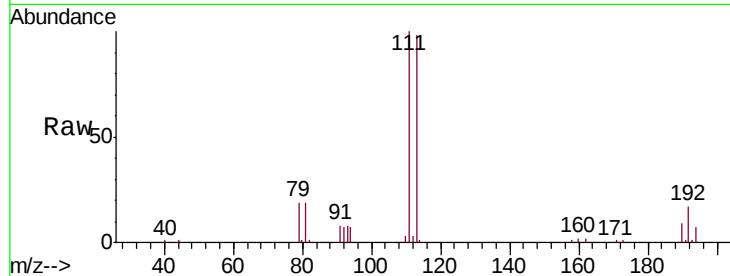
Tgt Ion:113 Resp: 68500

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

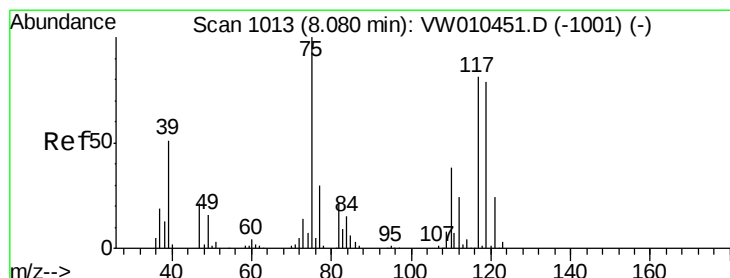
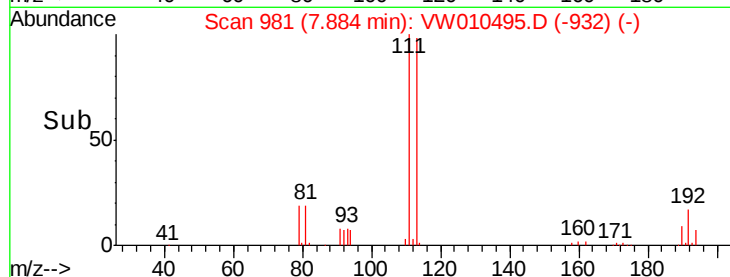
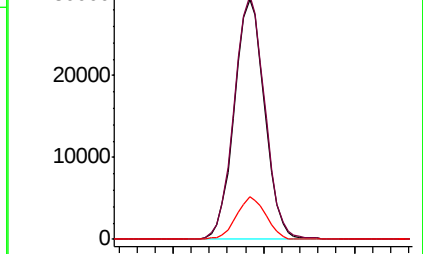
192 17.2 14.3 21.5



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: 4.520 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010495.D

Acq: 21 May 2019 18:43

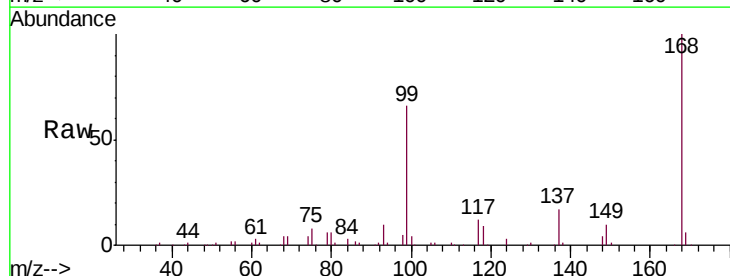
Tgt Ion: 75 Resp: 9278

Ion Ratio Lower Upper

75 100

110 9.8 19.2 57.6#

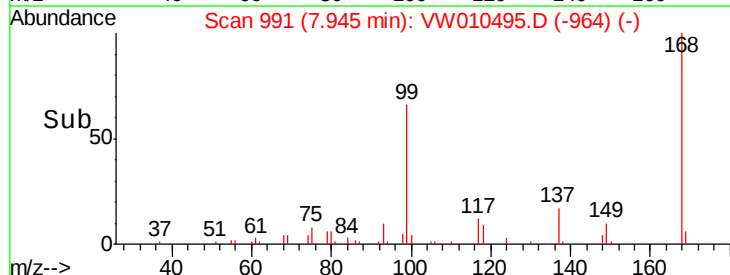
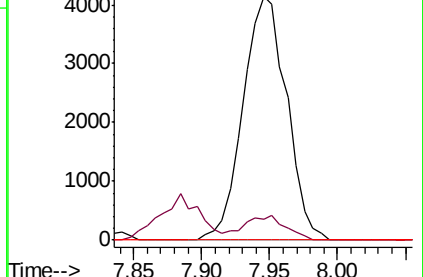
77 0.0 25.2 37.8#

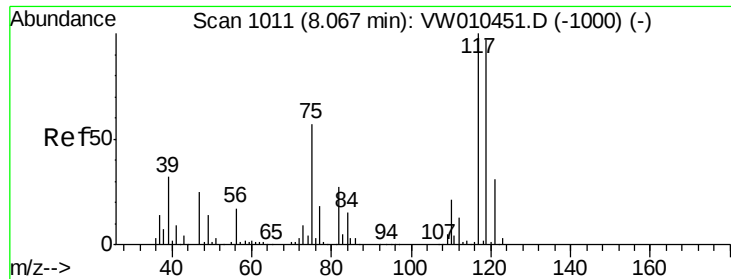


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

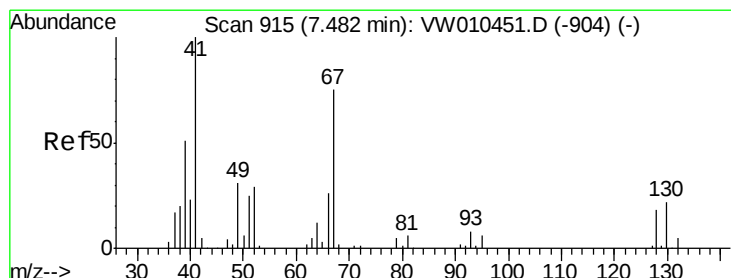
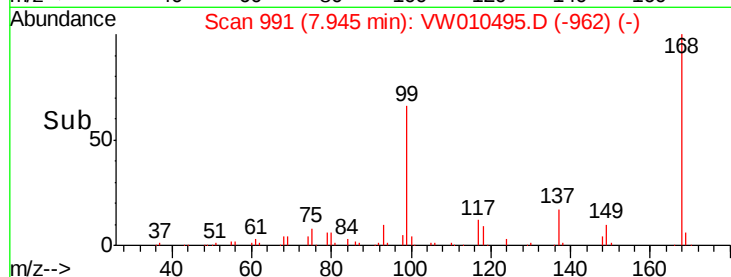
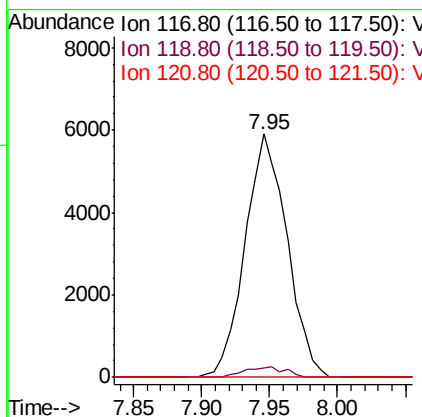
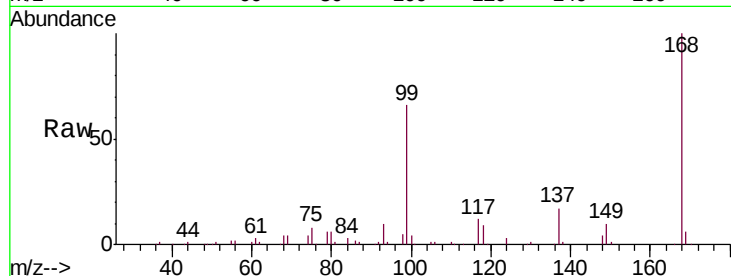




#38
 Carbon Tetrachloride
 Concen: 5.761 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010495.D
 Acq: 21 May 2019 18:43

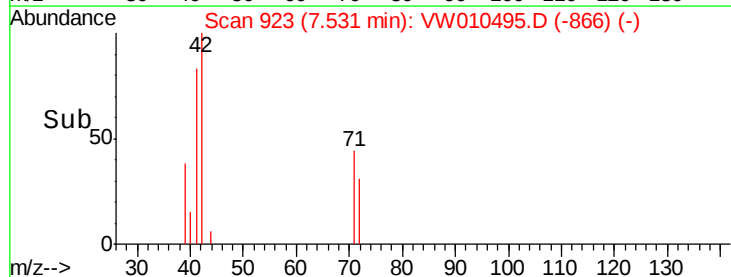
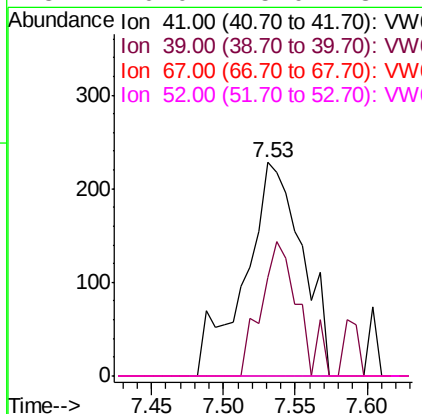
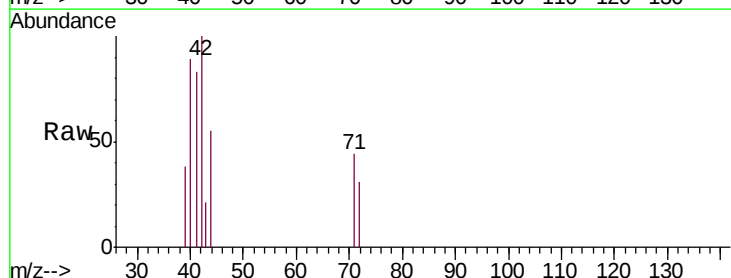
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-2A-G-8-052019

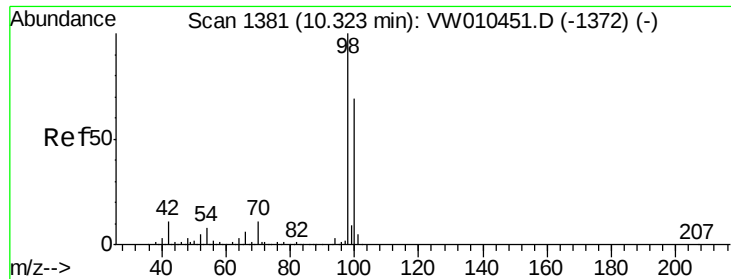
Tgt Ion: 117 Resp: 12755
 Ion Ratio Lower Upper
 117 100
 119 4.0 77.4 116.0#
 121 0.0 25.0 37.6#



#41
 Methacrylonitrile
 Concen: 1.219 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.05 min
 Lab File: VW010495.D
 Acq: 21 May 2019 18:43

Tgt Ion: 41 Resp: 632
 Ion Ratio Lower Upper
 41 100
 39 40.7 47.4 71.2#
 67 0.0 65.5 98.3#
 52 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 52.900 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010495.D

Acq: 21 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

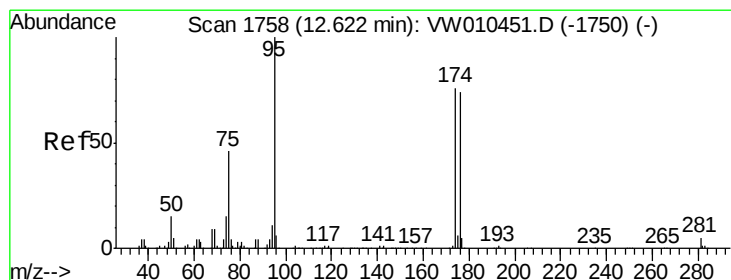
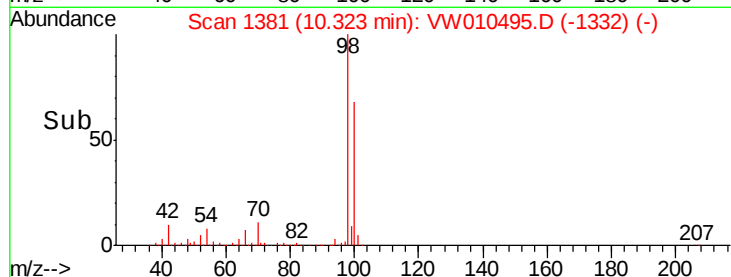
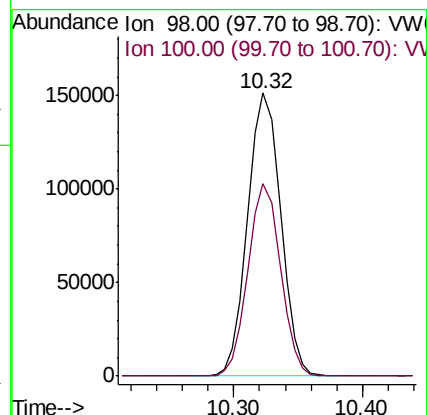
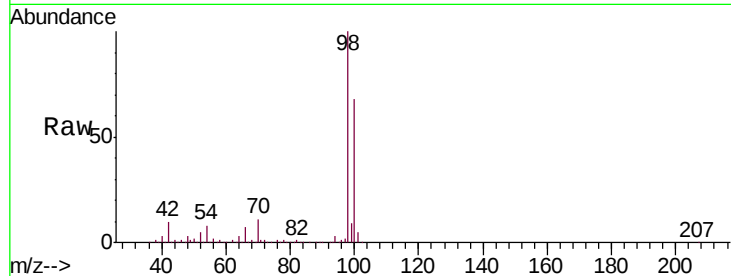
SUP-2A-G-8-052019

Tgt Ion: 98 Resp: 270176

Ion Ratio Lower Upper

98 100

100 66.8 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 48.746 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010495.D

Acq: 21 May 2019 18:43

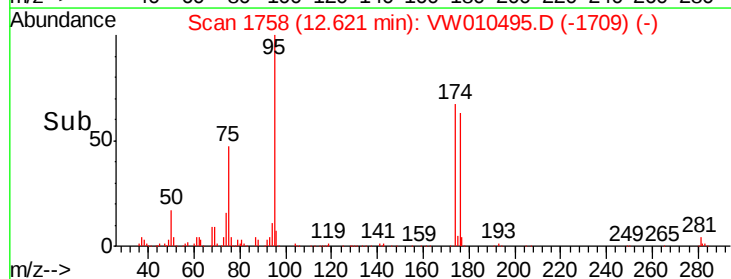
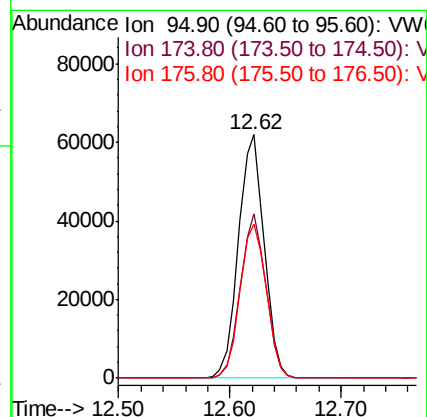
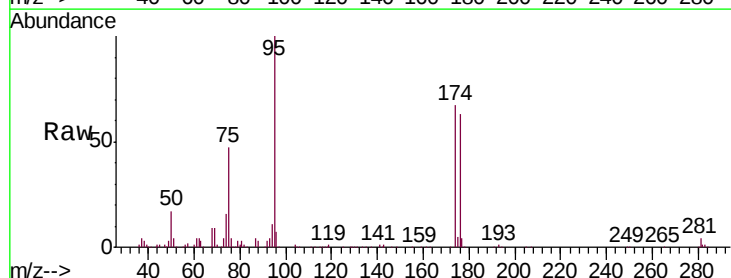
Tgt Ion: 95 Resp: 99166

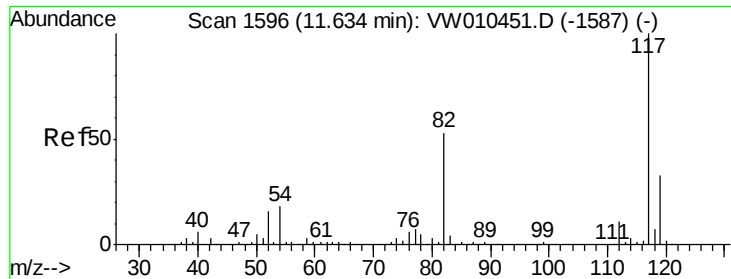
Ion Ratio Lower Upper

95 100

174 66.5 0.0 148.6

176 64.8 0.0 144.2

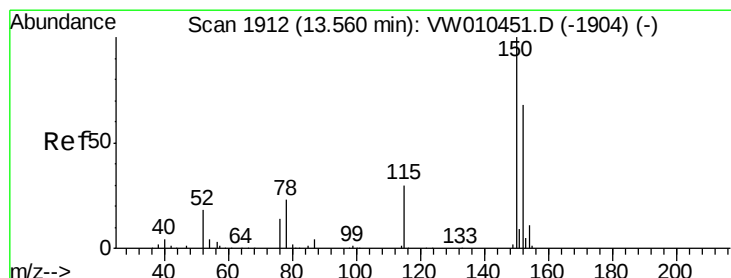
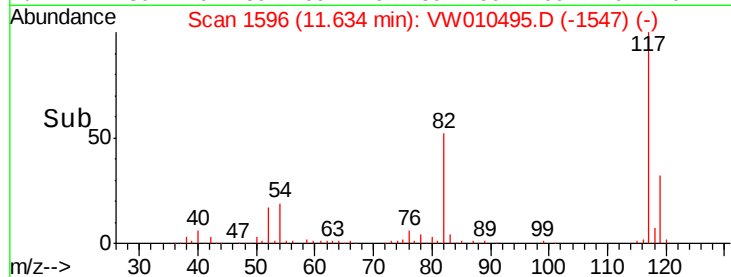
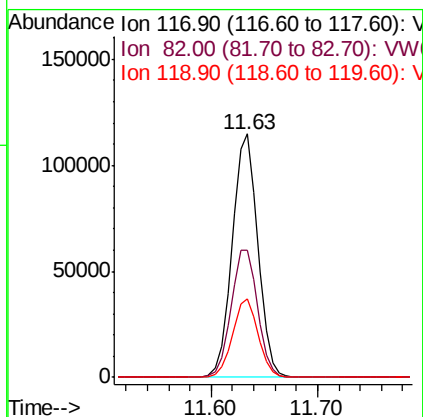
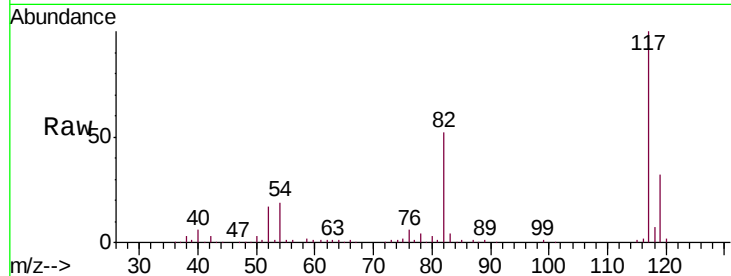




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010495.D
Acq: 21 May 2019 18:43

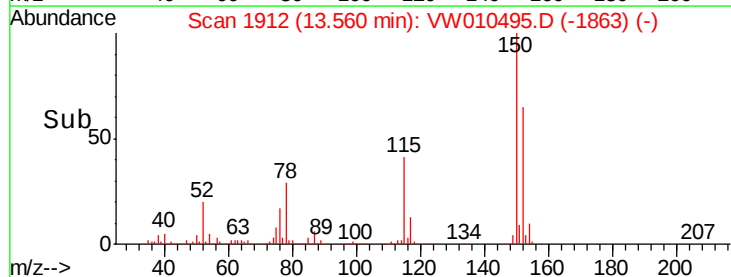
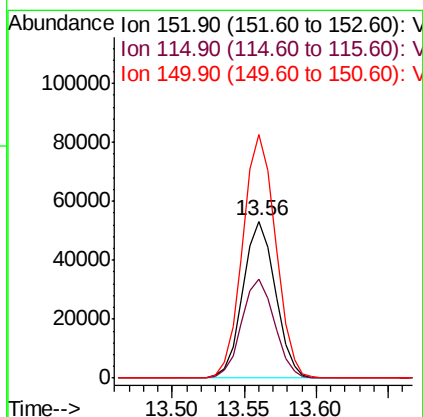
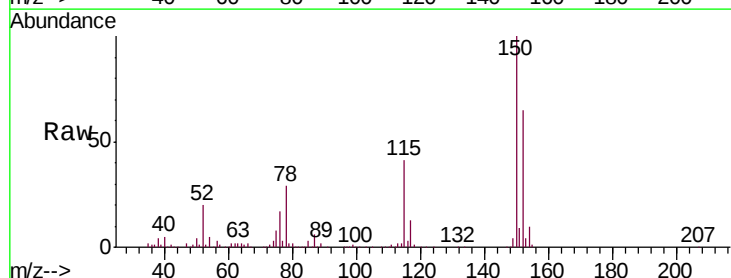
Instrument :
MSVOA_W
ClientSampleId :
SUP-2A-G-8-052019

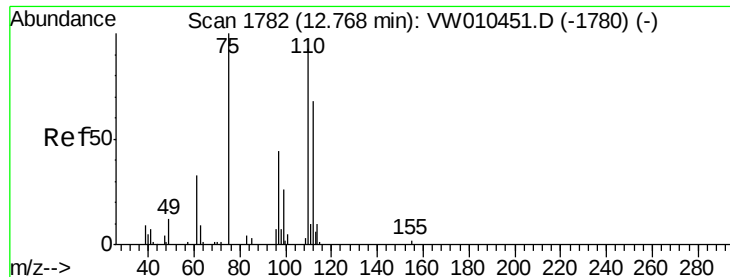
Tgt Ion:117 Resp: 194006
Ion Ratio Lower Upper
117 100
82 52.3 42.8 64.2
119 32.2 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010495.D
Acq: 21 May 2019 18:43

Tgt Ion:152 Resp: 83144
Ion Ratio Lower Upper
152 100
115 64.1 30.3 91.0
150 157.7 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 56.885 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010495.D

Acq: 21 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

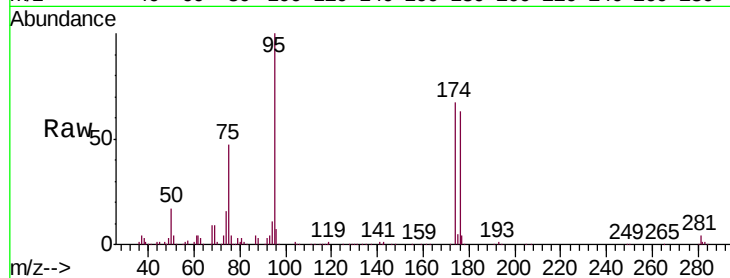
SUP-2A-G-8-052019

Tgt Ion: 75 Resp: 48009

Ion Ratio Lower Upper

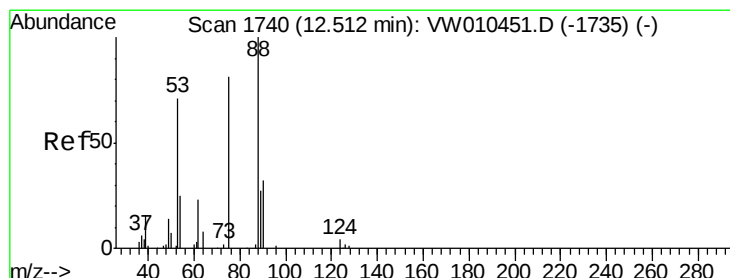
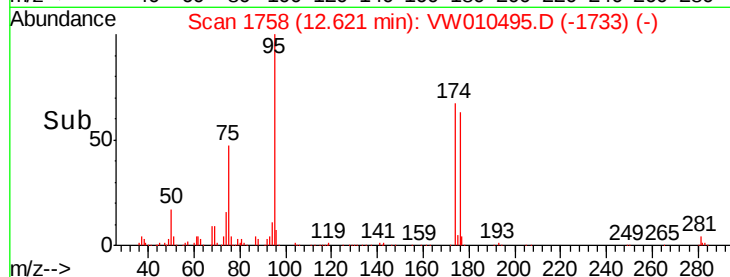
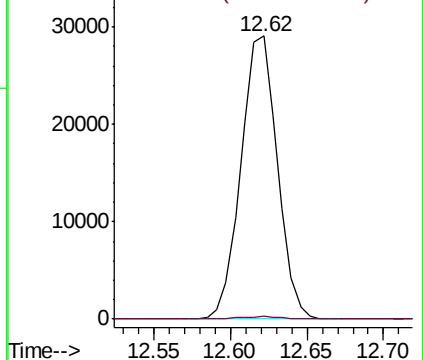
75 100

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: 118.721 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010495.D

Acq: 21 May 2019 18:43

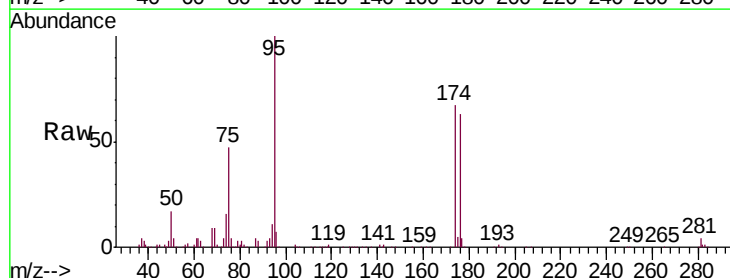
Tgt Ion: 75 Resp: 48009

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

