

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053019\
 Data File : VW010611.D
 Acq On : 30 May 2019 13:18
 Operator : SY/VA
 Sample : K2971-08RE
 Misc : 5.23G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: May 31 07:43:41 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	116007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	212554	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	185813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	79913	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	64427	53.81	ug/l	0.00
Spiked Amount			Recovery	=	107.62%	
35) Dibromofluoromethane	7.88	113	61316	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
50) Toluene-d8	10.32	98	260169	52.80	ug/l	0.00
Spiked Amount			Recovery	=	105.60%	
62) 4-Bromofluorobenzene	12.62	95	93665	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	

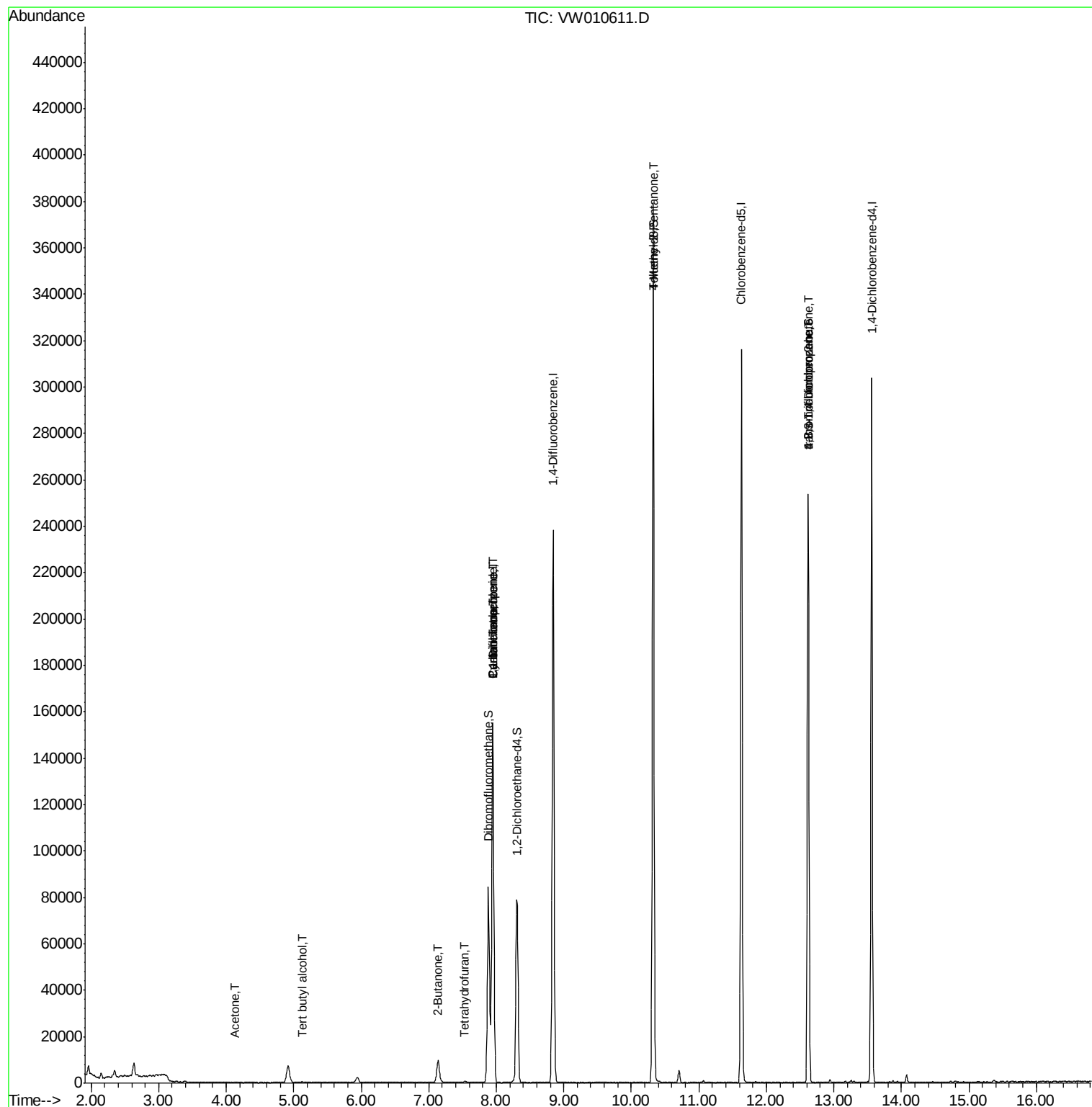
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	118	Below Cal	#	42
11) Tert butyl alcohol	5.13	59	115	1.068	ug/l #	71
16) Acetone	4.13	43	399	1.632	ug/l #	41
20) Methylene Chloride	4.92	84	6215	Below Cal		90
25) 2-Butanone	7.13	43	575	1.644	ug/l #	45
29) Tetrahydrofuran	7.53	42	450	1.901	ug/l #	39
31) Cyclohexane	7.95	56	2304	1.013	ug/l #	23
36) 1,1-Dichloropropene	7.95	75	8888	4.489	ug/l #	48
38) Carbon Tetrachloride	7.95	117	11946	5.593	ug/l #	15
51) 4-Methyl-2-Pentanone	10.33	43	1006	1.180	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	43568	53.710	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	43568	112.095	ug/l #	14

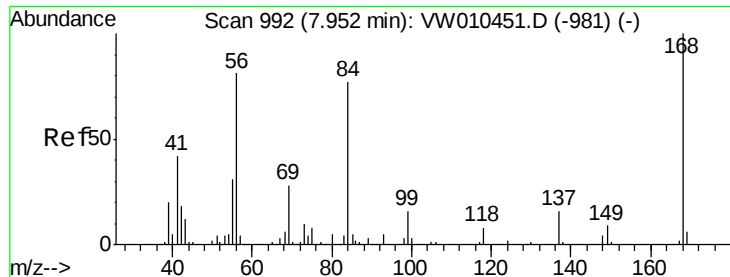
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW053019\
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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# 992

Delta R.T. -0.00 min

Lab File: VW010611.D

Acq: 30 May 2019 13:18

Instrument :

MSVOA_W

ClientSampleId :

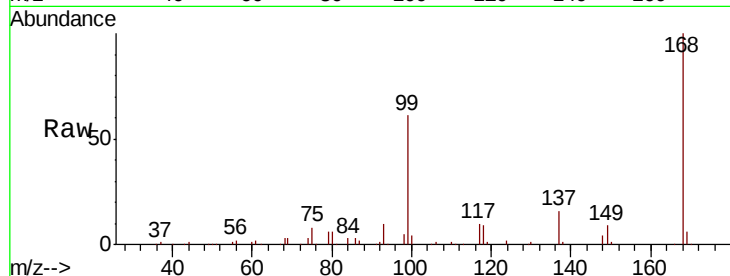
SUP-2A-G-8-052019

Tot Ion:168 Resp: 116007

Ion Ratio Lower Upper

168 100

99 60.6 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

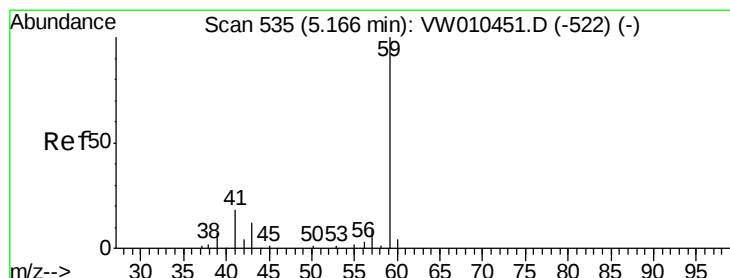
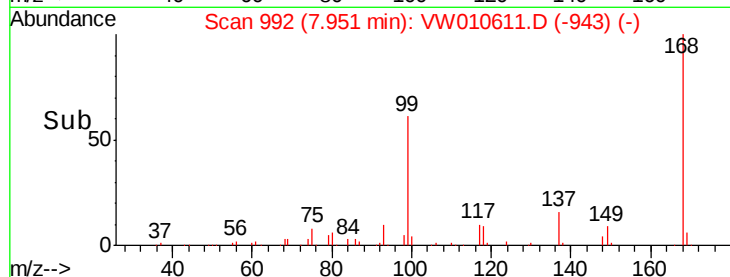
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.068 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW010611.D

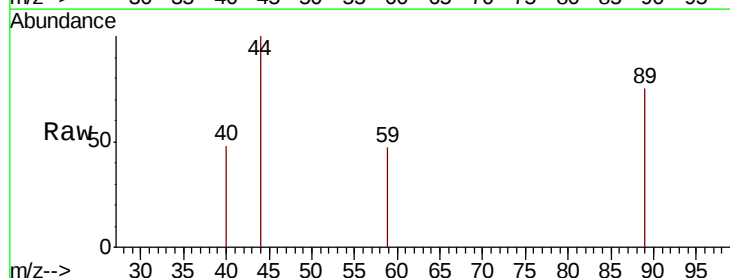
Acq: 30 May 2019 13:18

Tgt Ion: 59 Resp: 115

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

5.13

100

80

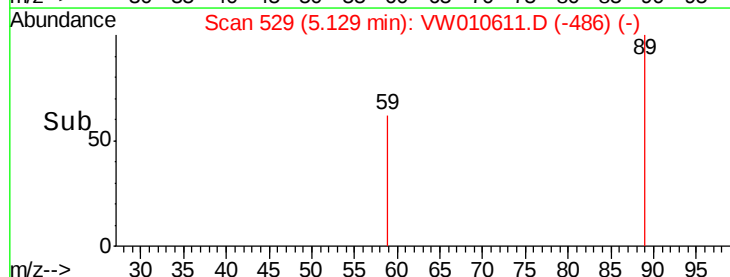
60

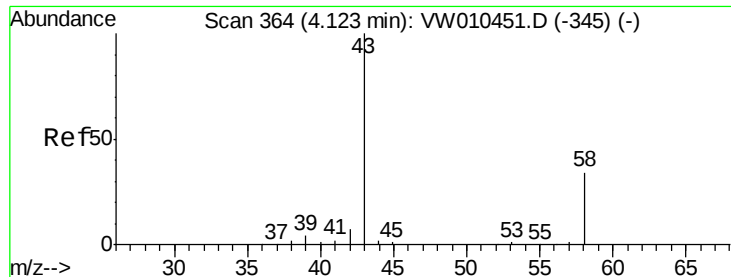
40

20

0

Time-->





#16

Acetone

Concen: 1.632 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010611.D

Acq: 30 May 2019 13:18

Instrument :

MSVOA_W

ClientSampleId :

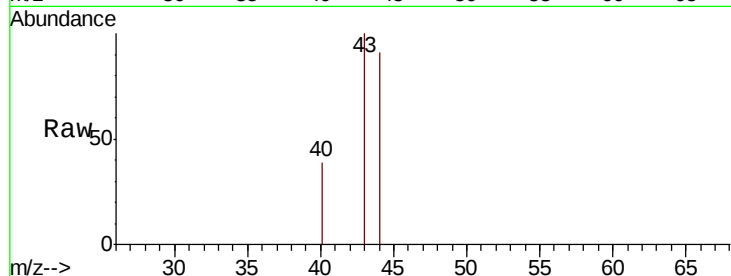
SUP-2A-G-8-052019

Tot Ion: 43 Resp: 399

Ion Ratio Lower Upper

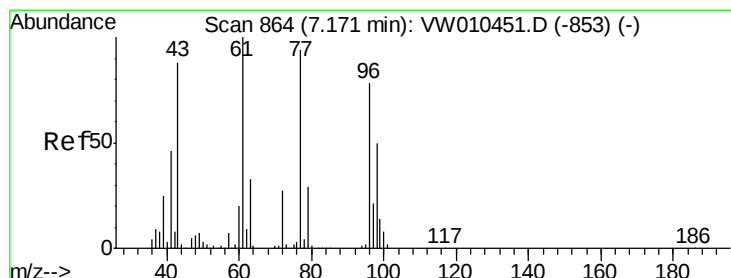
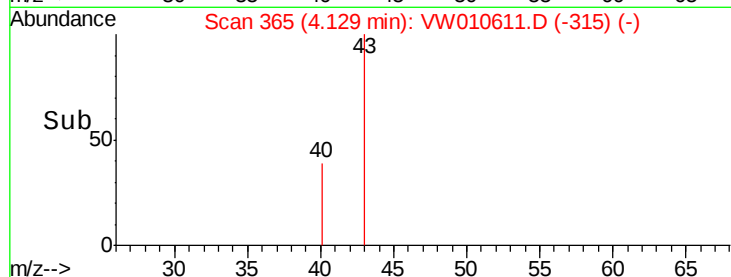
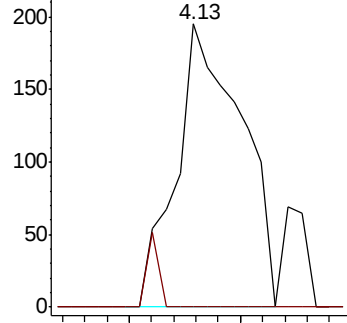
43 100

58 0.0 27.0 40.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#25

2-Butanone

Concen: 1.644 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW010611.D

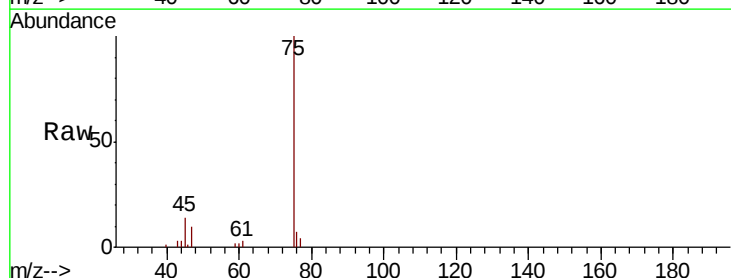
Acq: 30 May 2019 13:18

Tgt Ion: 43 Resp: 575

Ion Ratio Lower Upper

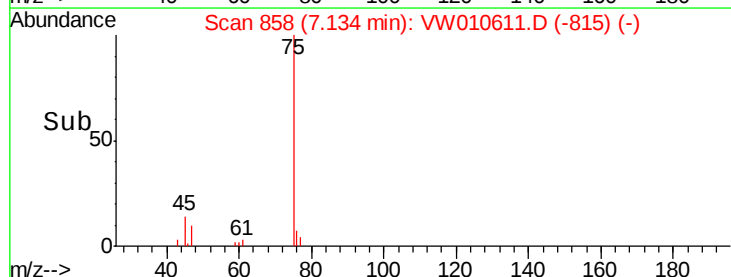
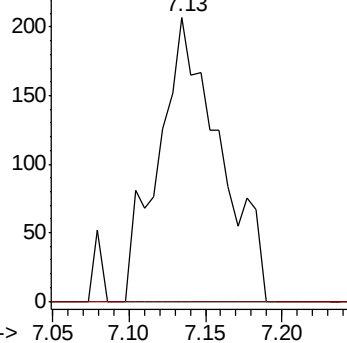
43 100

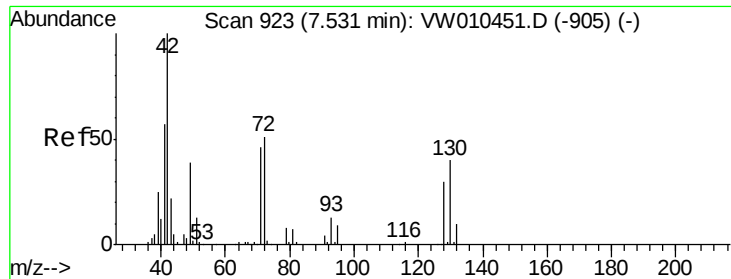
72 0.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

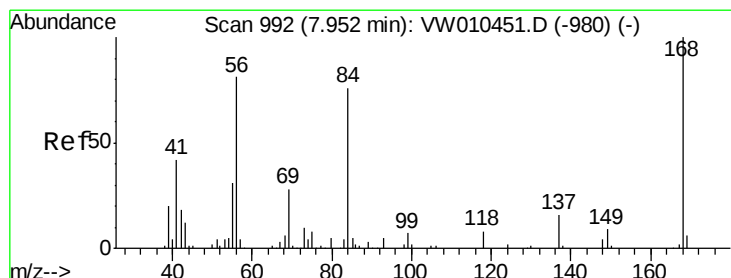
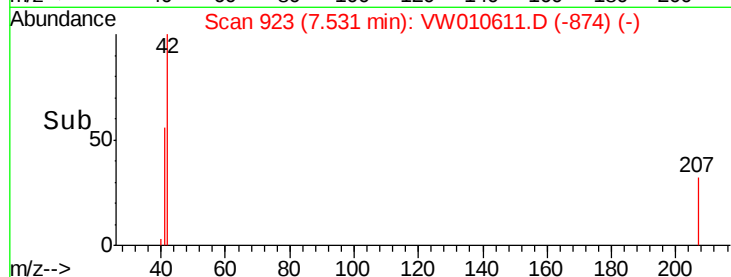
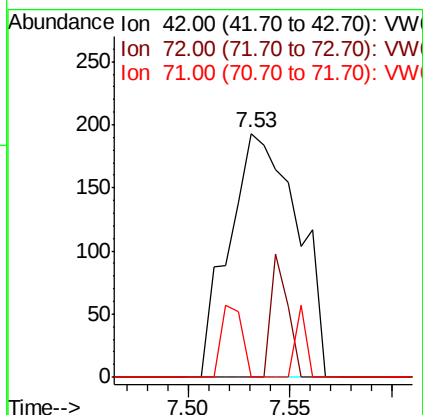
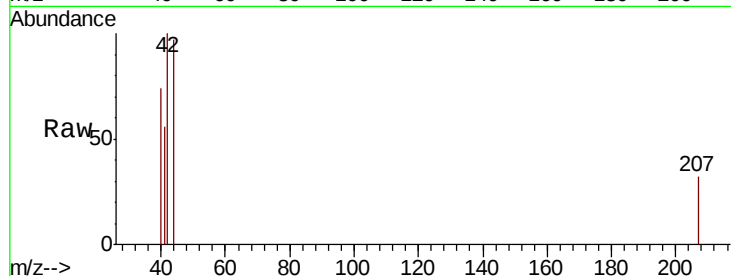




#29
Tetrahydrofuran
Concen: 1.901 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010611.D
Acq: 30 May 2019 13:18

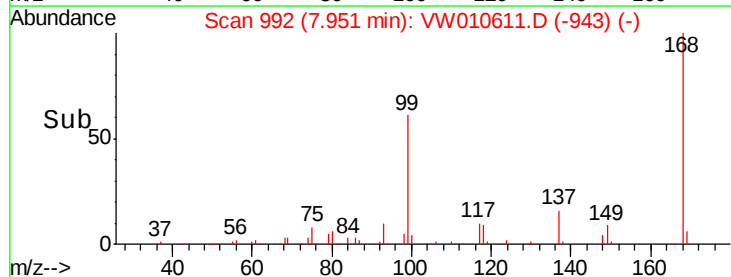
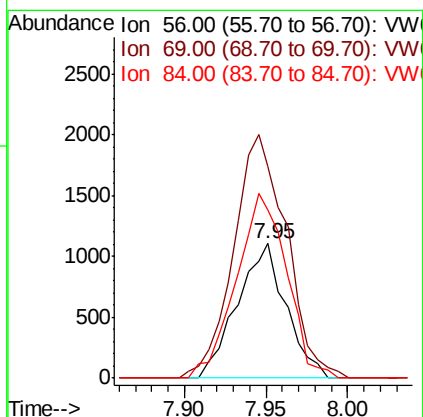
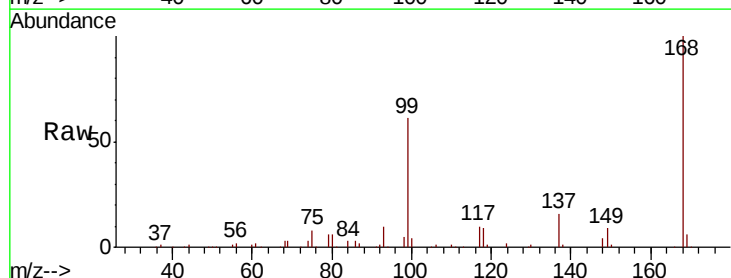
Instrument :
MSVOA_W
ClientSampleId :
SUP-2A-G-8-052019

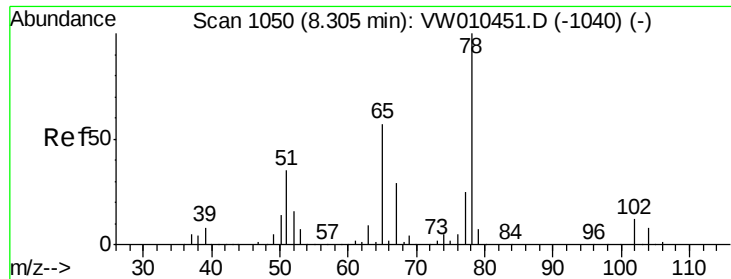
Tot Ion: 42 Resp: 450
Ion Ratio Lower Upper
42 100
72 12.4 38.5 57.7#
71 0.0 36.5 54.7#



#31
Cyclohexane
Concen: 1.013 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010611.D
Acq: 30 May 2019 13:18

Tgt Ion: 56 Resp: 2304
Ion Ratio Lower Upper
56 100
69 151.9 28.2 42.2#
84 125.2 75.8 113.8#

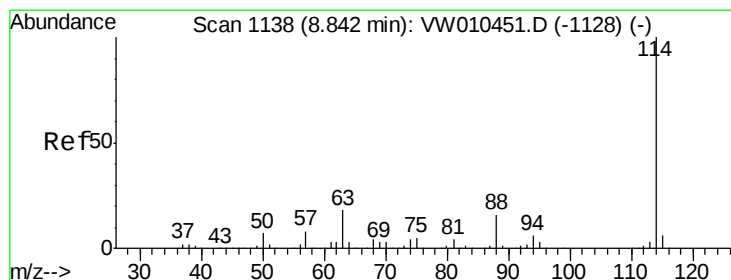
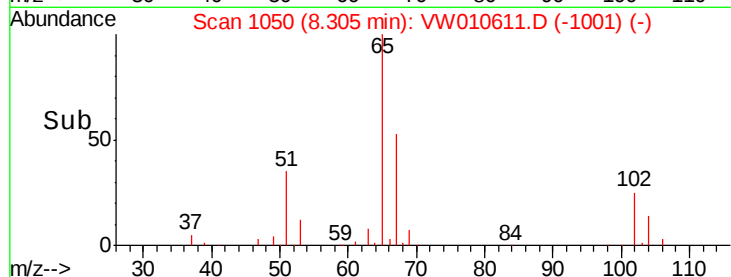
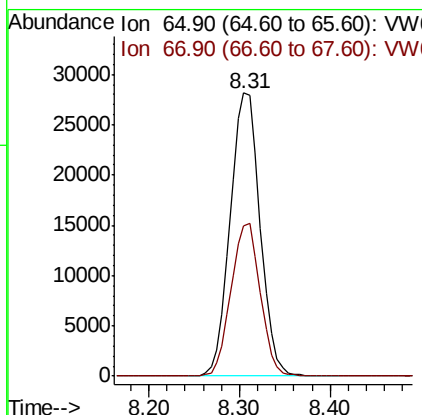
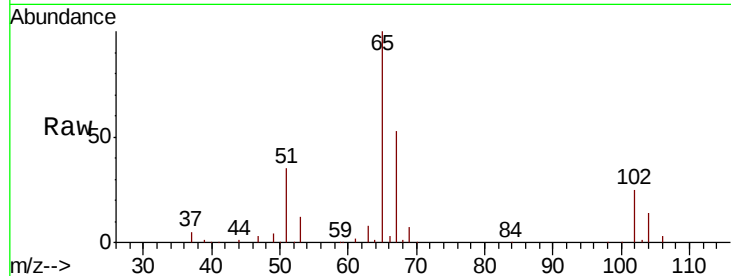




#33
 1,2-Dichloroethane-d4
 Concen: 53.806 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010611.D
 Acq: 30 May 2019 13:18

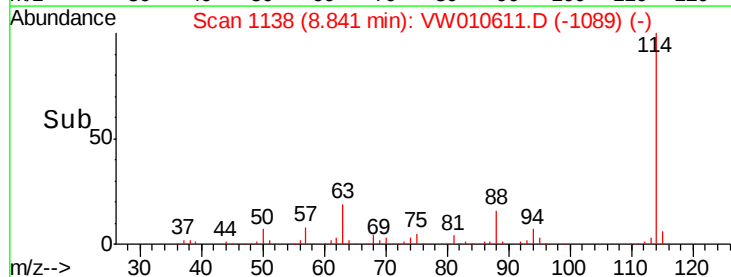
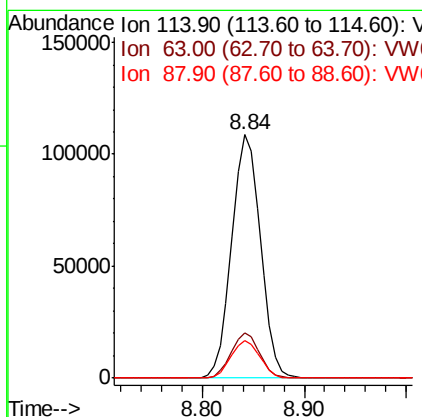
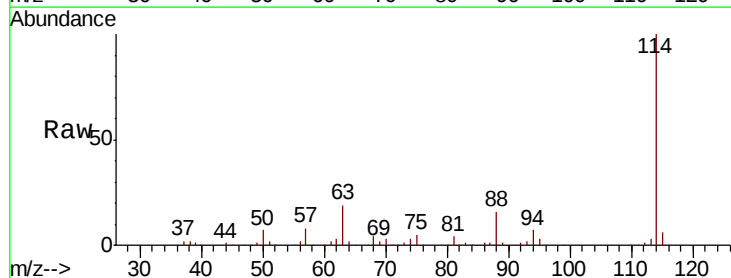
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-2A-G-8-052019

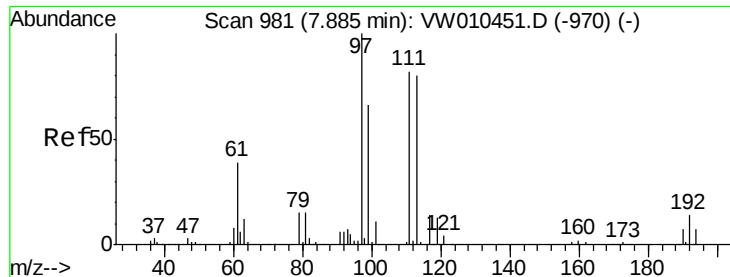
Tot Ion: 65 Resp: 64427
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010611.D
 Acq: 30 May 2019 13:18

Tgt Ion: 114 Resp: 212554
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.0
 88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 47.542 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010611.D

Acq: 30 May 2019 13:18

Instrument :

MSVOA_W

ClientSampleId :

SUP-2A-G-8-052019

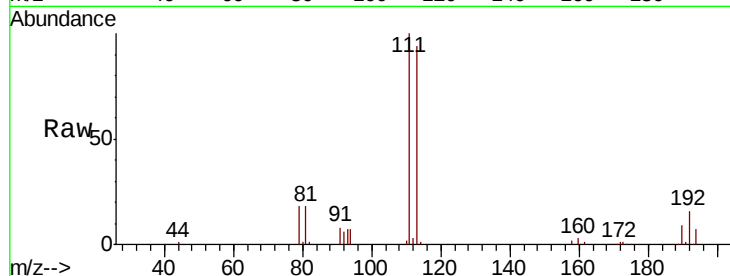
Tot Ion:113 Resp: 61316

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

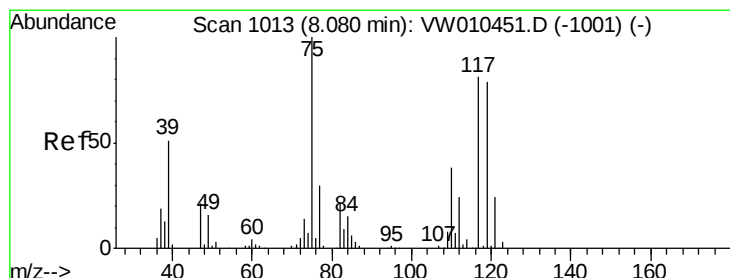
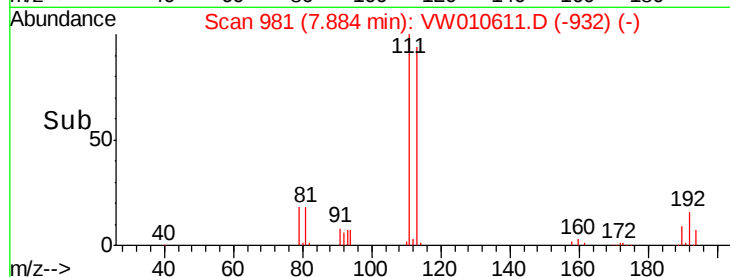
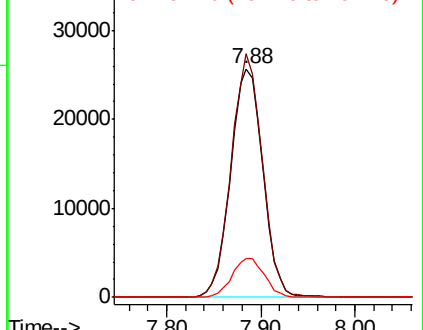
192 17.2 14.3 21.5



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: 4.489 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW010611.D

Acq: 30 May 2019 13:18

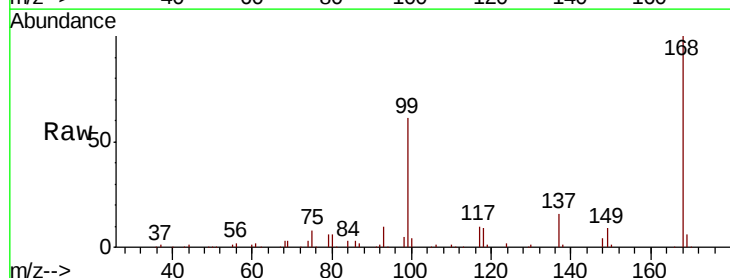
Tgt Ion: 75 Resp: 8888

Ion Ratio Lower Upper

75 100

110 9.3 19.2 57.6#

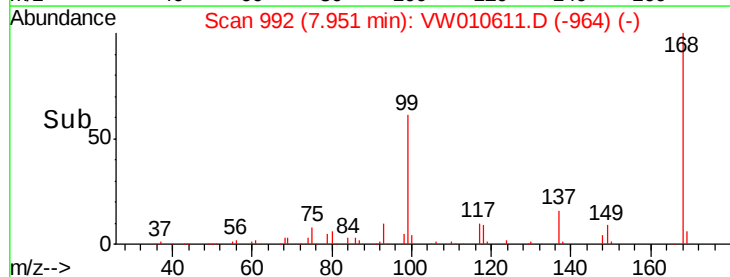
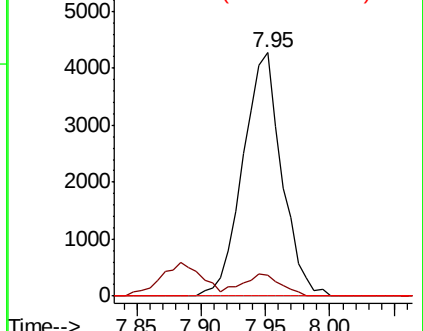
77 0.0 25.2 37.8#

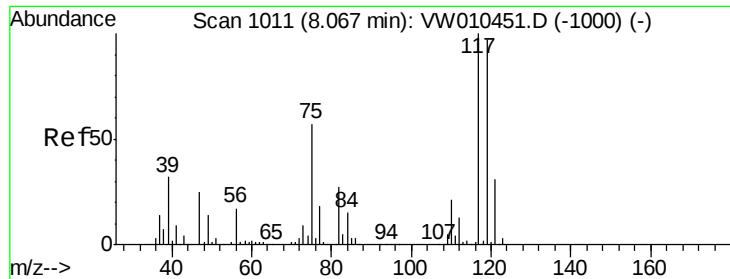


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.593 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010611.D

Acq: 30 May 2019 13:18

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SUP-2A-G-8-052019

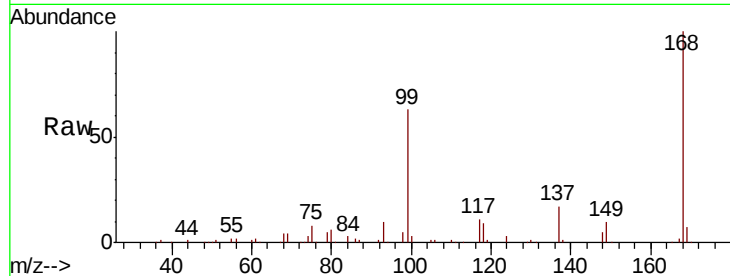
Tot Ion:117 Resp: 11946

Ion Ratio Lower Upper

117 100

119 4.7 77.4 116.0#

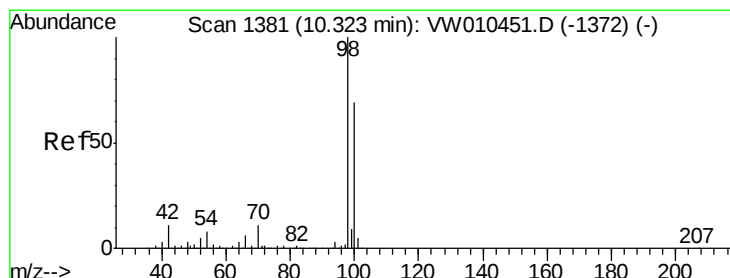
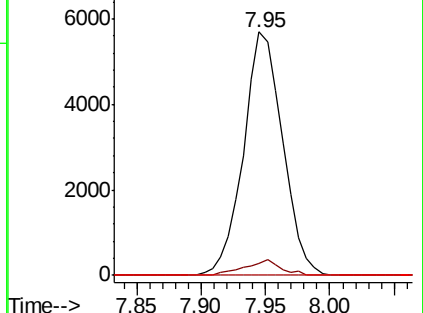
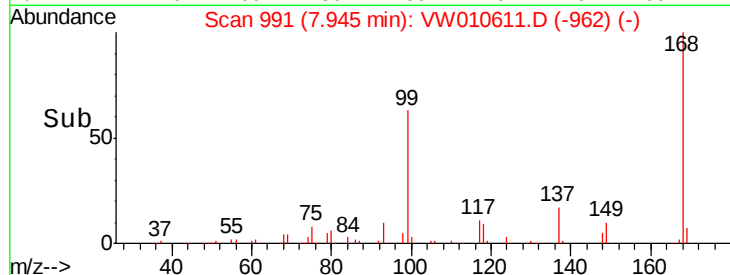
121 0.0 25.0 37.6#



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: 52.804 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010611.D

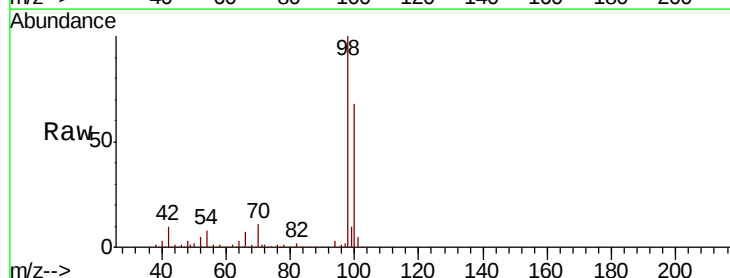
Acq: 30 May 2019 13:18

Tgt Ion: 98 Resp: 260169

Ion Ratio Lower Upper

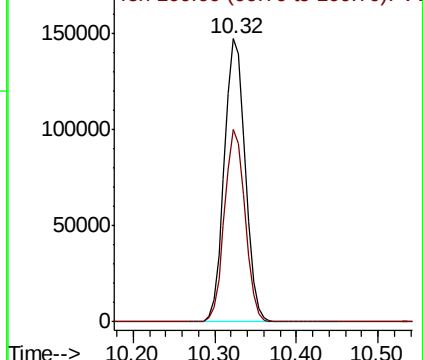
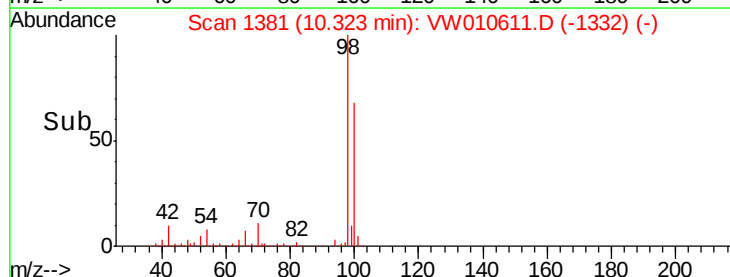
98 100

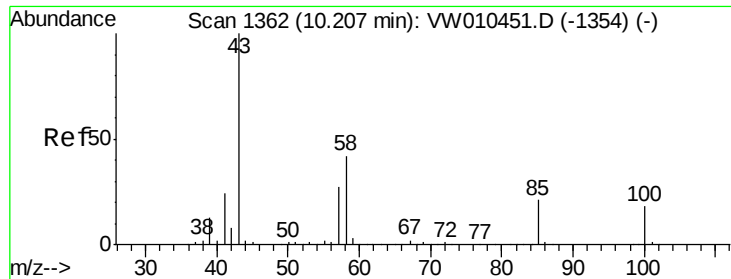
100 67.1 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.180 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW010611.D

Acq: 30 May 2019 13:18

Instrument :

MSVOA_W

ClientSampleId :

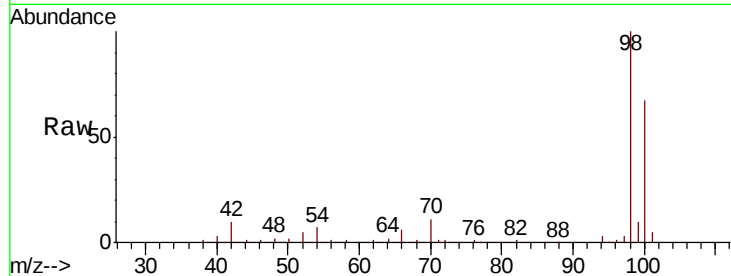
SUP-2A-G-8-052019

Tot Ion: 43 Resp: 1006

Ion Ratio Lower Upper

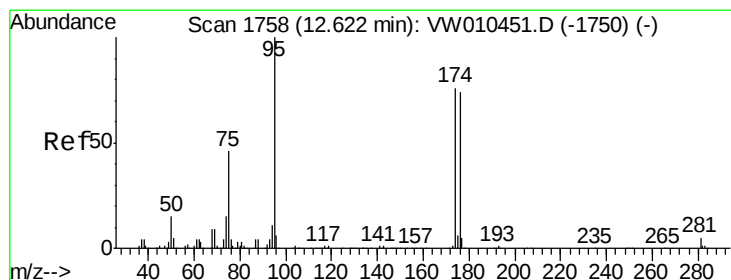
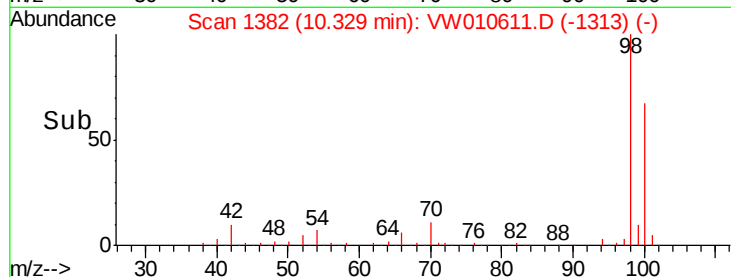
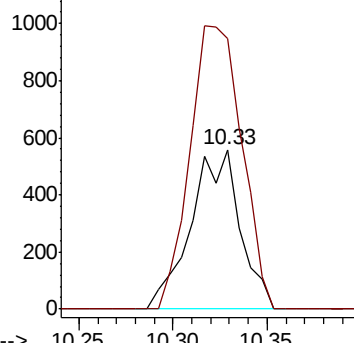
43 100

58 188.0 33.2 49.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 47.727 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010611.D

Acq: 30 May 2019 13:18

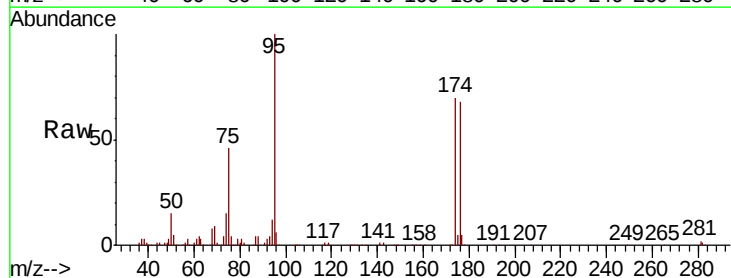
Tgt Ion: 95 Resp: 93665

Ion Ratio Lower Upper

95 100

174 69.8 0.0 148.6

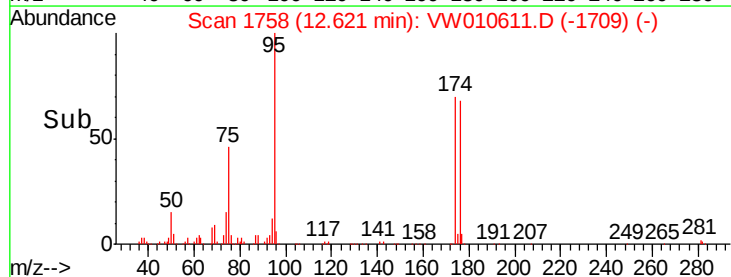
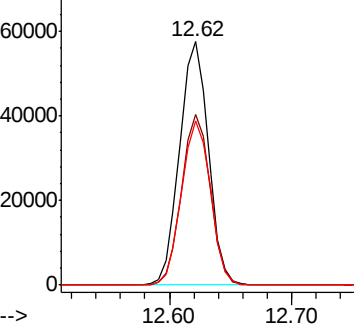
176 68.3 0.0 144.2

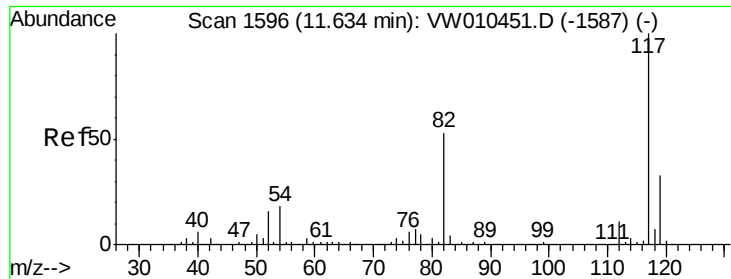


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

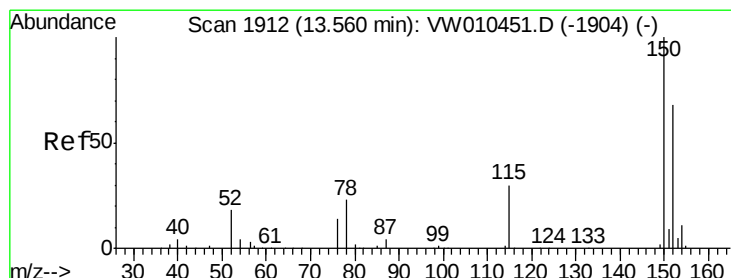
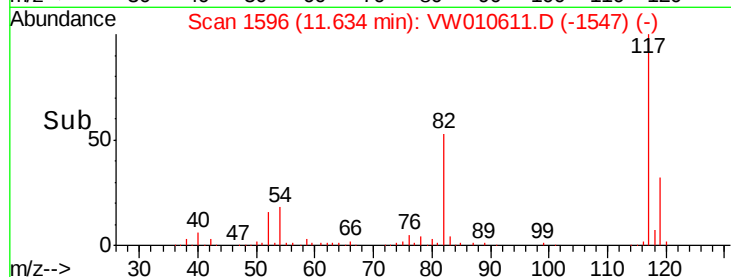
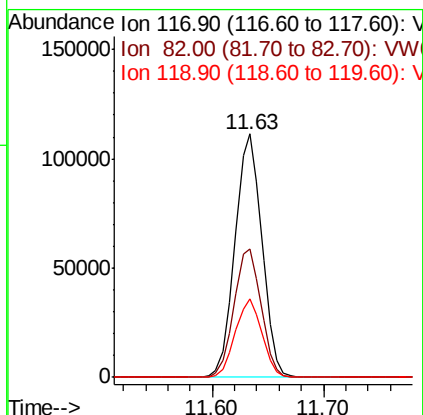
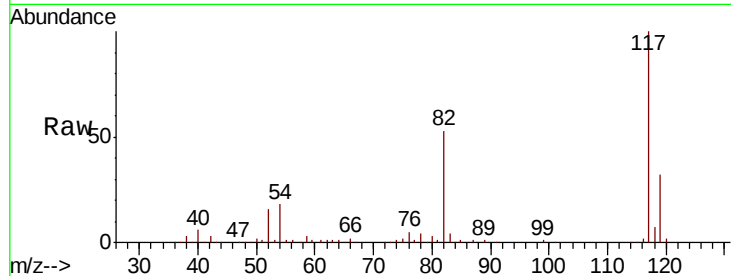




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010611.D
Acq: 30 May 2019 13:18

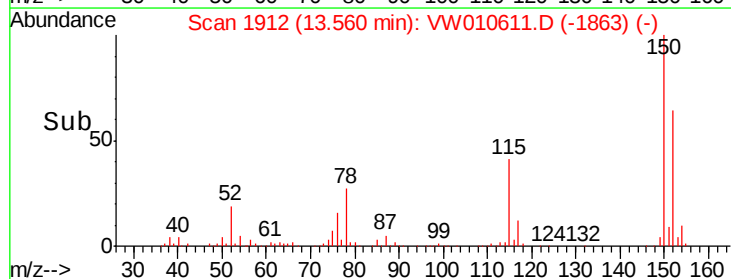
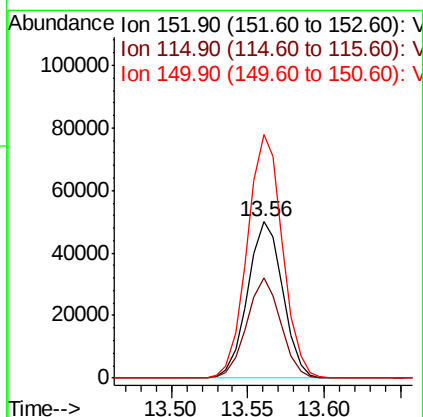
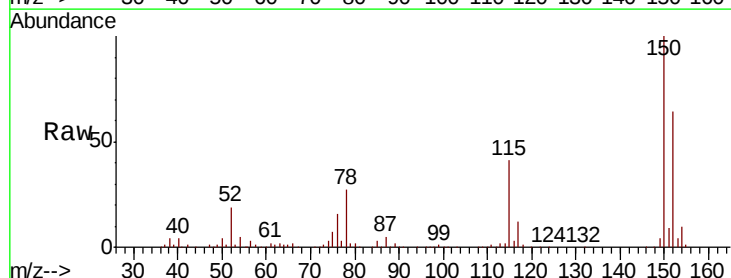
Instrument :
MSVOA_W
ClientSampleId :
SUP-2A-G-8-052019

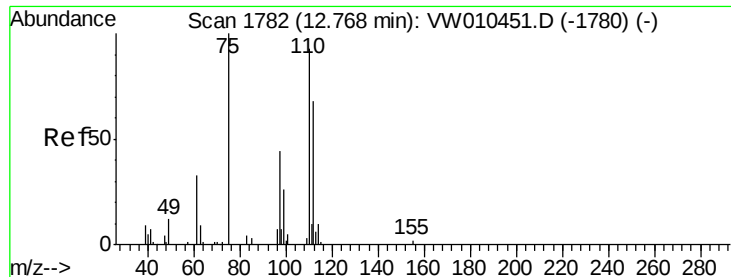
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.8	64.2
119	32.3	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010611.D
Acq: 30 May 2019 13:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.2	30.3	91.0
150	155.8	0.0	349.8





#76

1,2,3-Trichloropropane

Concen: 53.710 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010611.D

Acq: 30 May 2019 13:18

Instrument :

MSVOA_W

ClientSampleId :

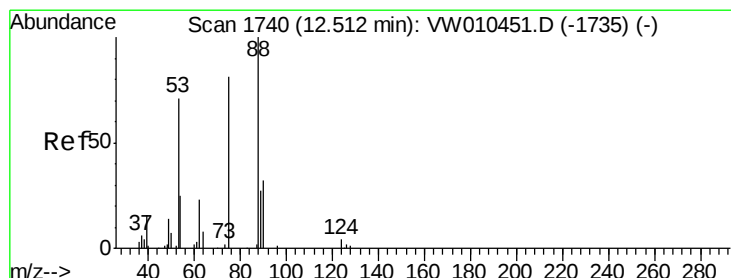
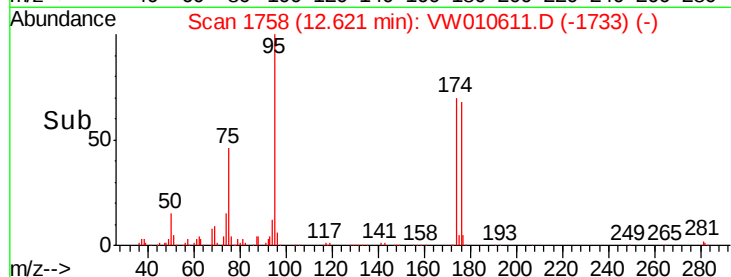
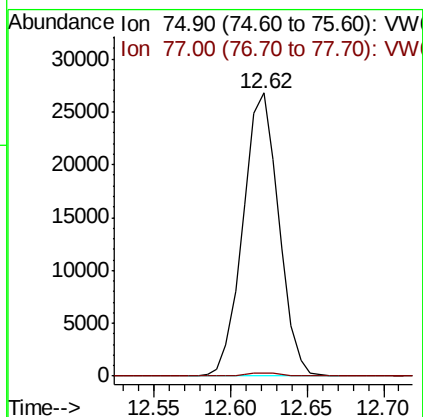
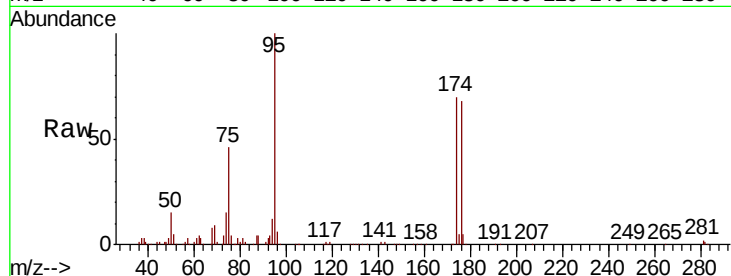
SUP-2A-G-8-052019

Tot Ion: 75 Resp: 43568

Ion Ratio Lower Upper

75 100

77 1.0 170.0 510.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 112.095 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010611.D

Acq: 30 May 2019 13:18

Tgt Ion: 75 Resp: 43568

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#

