

Data File : VW010693.D
Acq On : 05 Jun 2019 15:38
Operator : SY/VA
Sample : K3163-03
Misc : 7.53G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SU-02-060419-B

Quant Time: Jun 06 07:29:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	213289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	367260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	304934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	116484	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	144693	57.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.12%	
35) Dibromofluoromethane	7.88	113	108146	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	
50) Toluene-d8	10.32	98	466903	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
62) 4-Bromofluorobenzene	12.62	95	152184	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	

Target Compounds

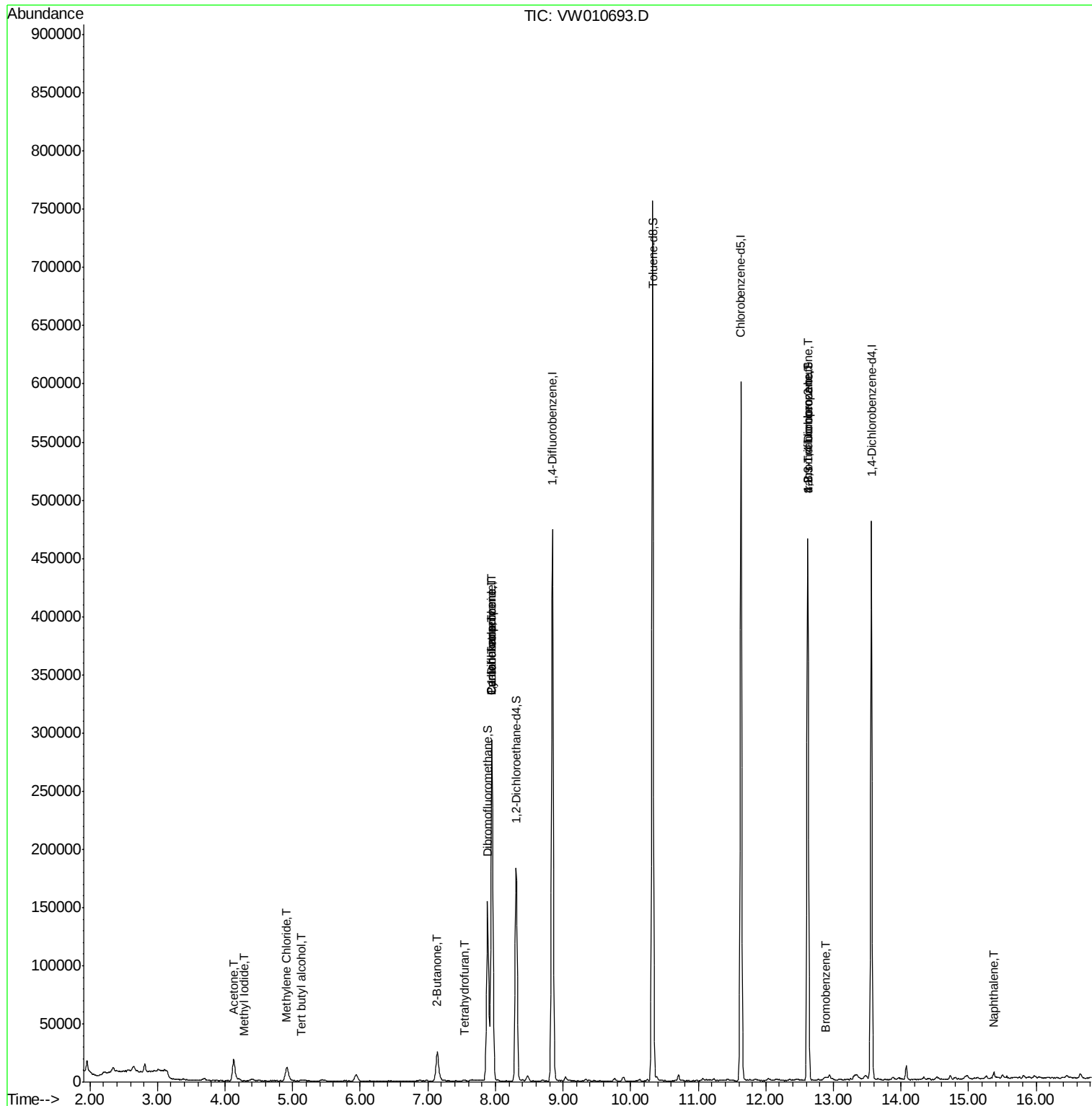
						Qvalue
10) Methyl Iodide	4.29	142	22	4.807	ug/l #	41
11) Tert butyl alcohol	5.13	59	356	1.738	ug/l #	72
16) Acetone	4.13	43	32953	48.920	ug/l	97
20) Methylene Chloride	4.92	84	8088	3.423	ug/l	94
25) 2-Butanone	7.14	43	1701	1.821	ug/l #	80
29) Tetrahydrofuran	7.54	42	768	1.307	ug/l #	57
31) Cyclohexane	7.95	56	5676	1.119	ug/l #	17
36) 1,1-Dichloropropene	7.95	75	18667	4.966	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21589	6.652	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	82700	67.607	ug/l #	100
77) Bromobenzene	12.88	156	2319	1.214	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	82700	155.384	ug/l #	5
95) Naphthalene	15.38	128	4594	1.087	ug/l	97

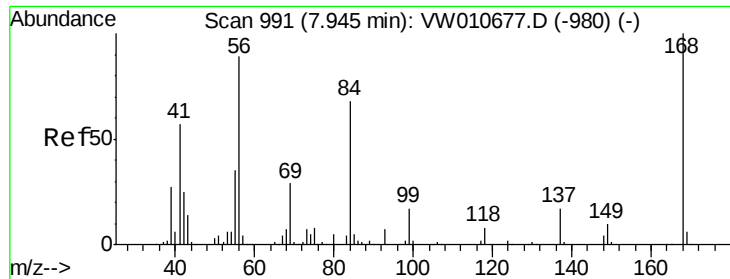
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW010693.D
Acq On : 05 Jun 2019 15:38
Operator : SY/VA
Sample : K3163-03
Misc : 7.53G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SU-02-060419-B

Quant Time: Jun 06 07:29:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010693.D

Acq: 05 Jun 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

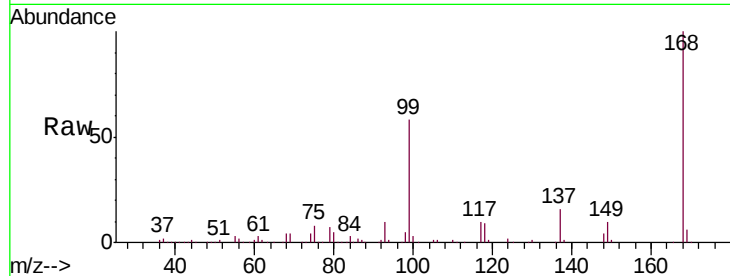
SU-02-060419-B

Tgt Ion:168 Resp: 213289

Ion Ratio Lower Upper

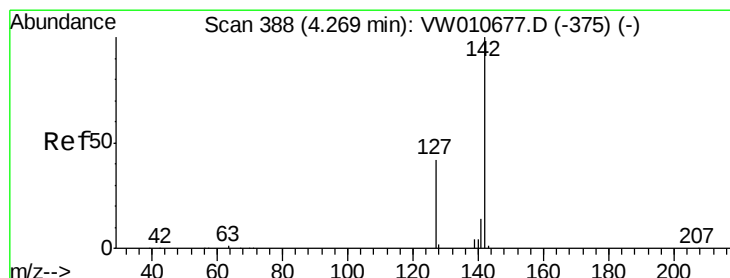
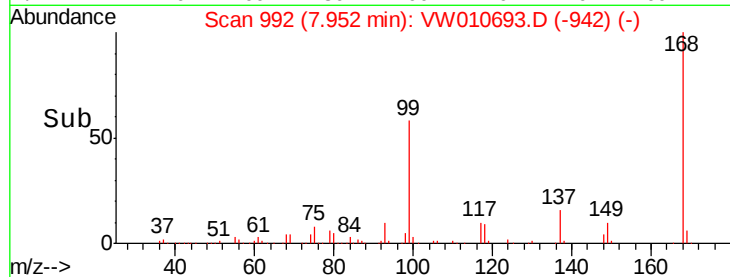
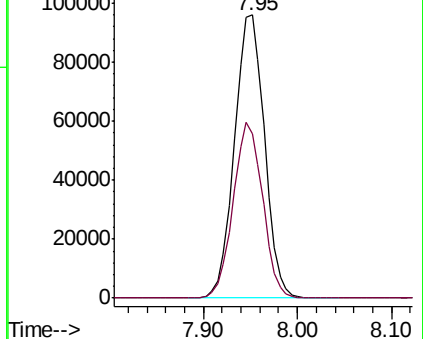
168 100

99 58.0 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#10

Methyl Iodide

Concen: 4.807 ug/l

RT: 4.29 min Scan# 391

Delta R.T. 0.02 min

Lab File: VW010693.D

Acq: 05 Jun 2019 15:38

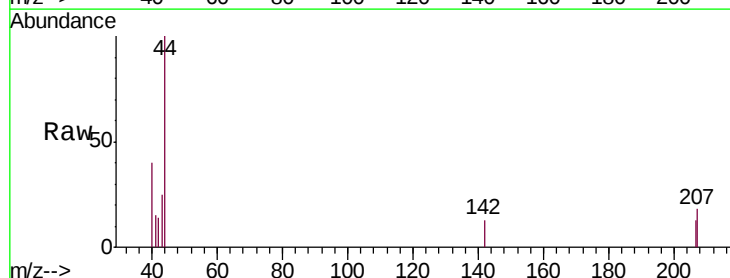
Tgt Ion:142 Resp: 22

Ion Ratio Lower Upper

142 100

127 0.0 34.6 51.8#

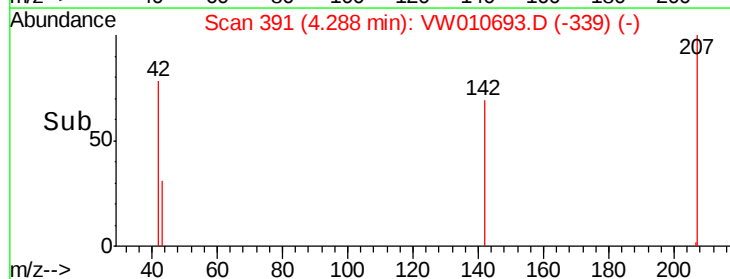
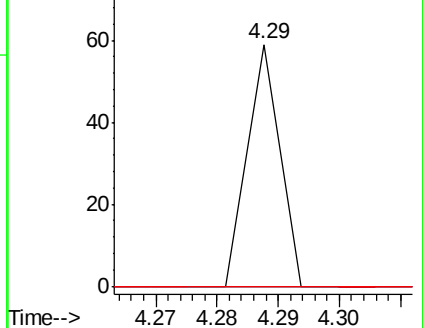
141 0.0 11.6 17.4#

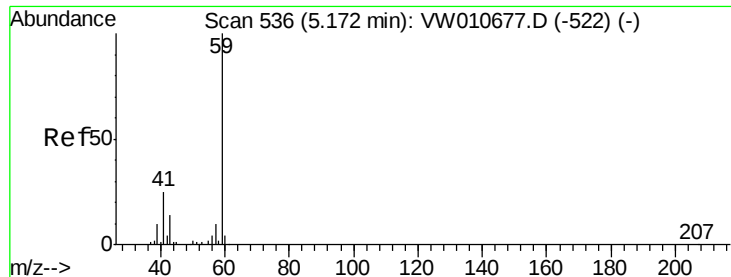


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

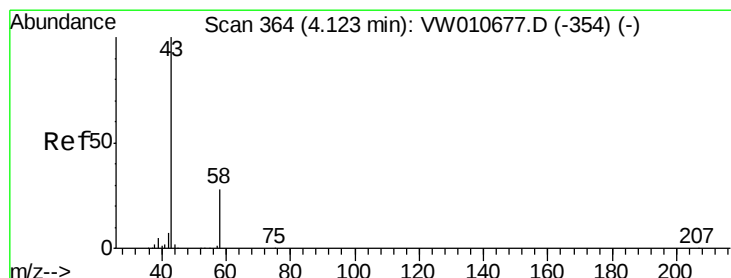
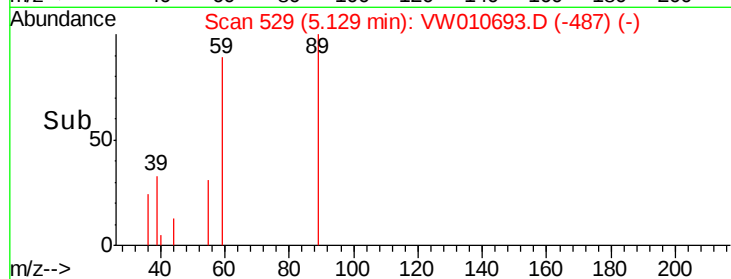
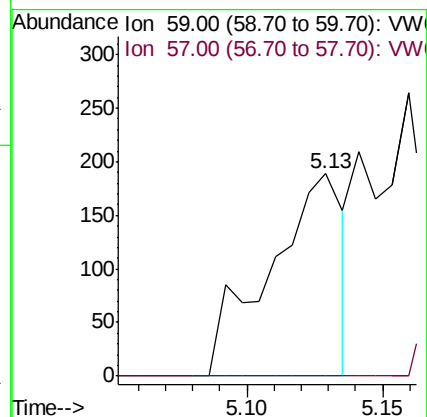
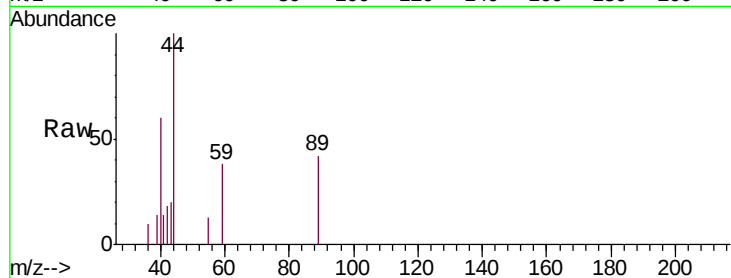




#11
Tert butyl alcohol
Concen: 1.738 ug/l
RT: 5.13 min Scan# 529
Delta R.T. -0.04 min
Lab File: VW010693.D
Acq: 05 Jun 2019 15:38

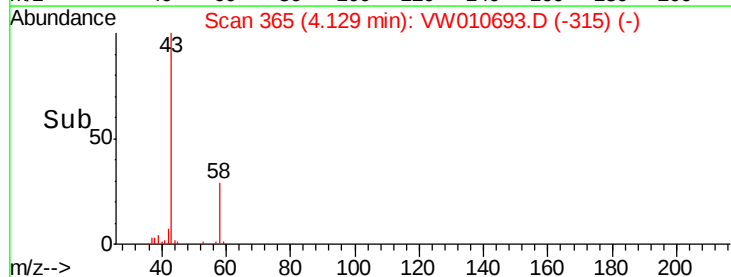
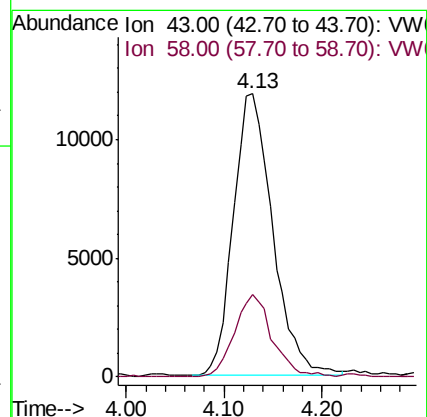
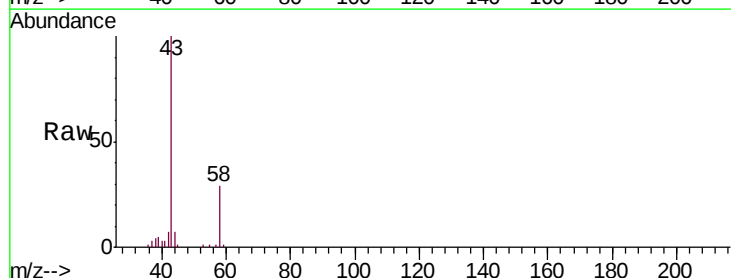
Instrument :
MSVOA_W
ClientSampleId :
SU-02-060419-B

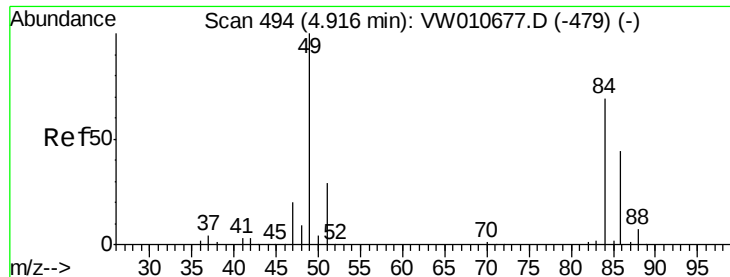
Tgt Ion: 59 Resp: 356
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 48.920 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW010693.D
Acq: 05 Jun 2019 15:38

Tgt Ion: 43 Resp: 32953
Ion Ratio Lower Upper
43 100
58 29.2 22.1 33.1

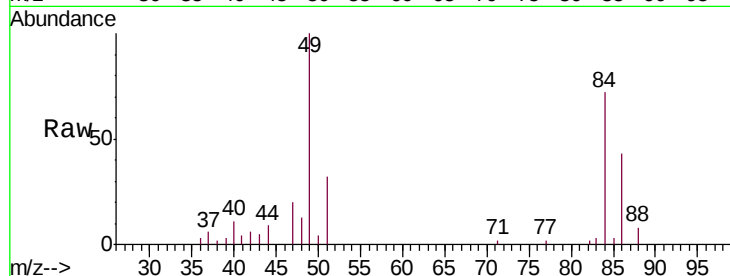




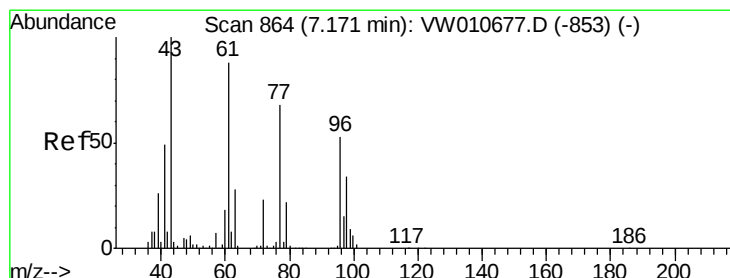
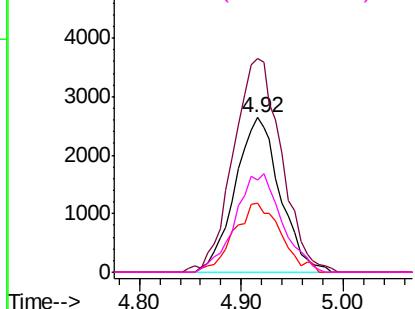
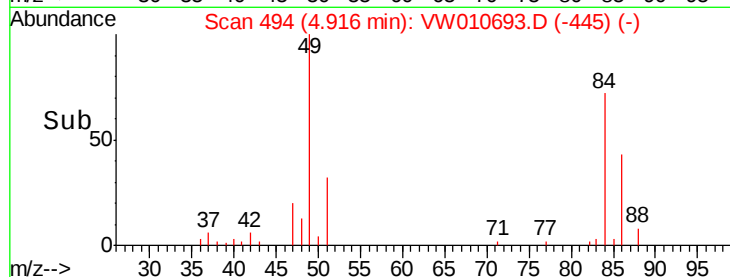
#20
Methylene Chloride
Concen: 3.423 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010693.D
Acq: 05 Jun 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
SU-02-060419-B

Tgt Ion: 84 Resp: 8088
Ion Ratio Lower Upper
84 100
49 137.9 116.7 175.1
51 44.7 34.2 51.2
86 59.8 51.2 76.8

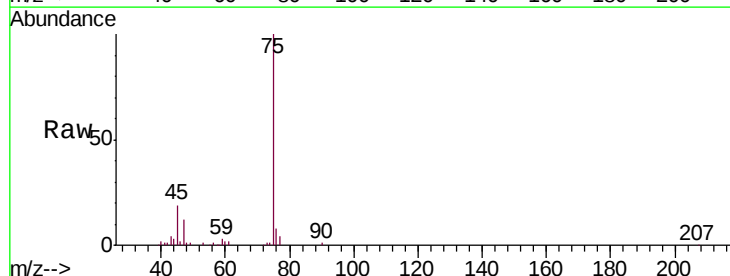


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

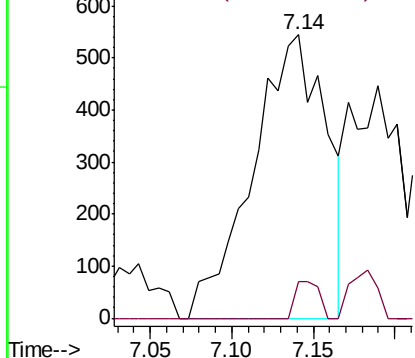
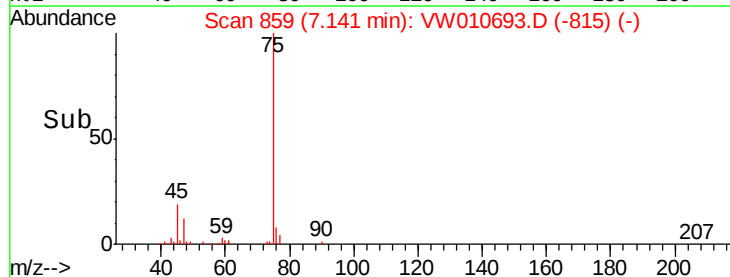


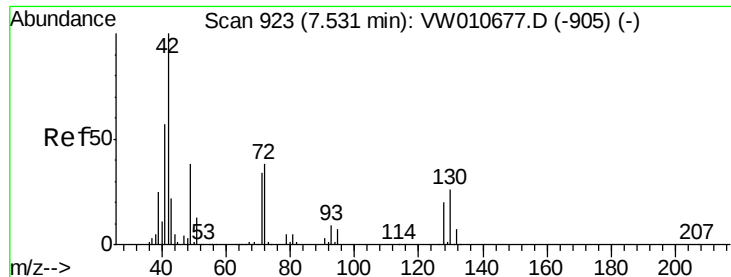
#25
2-Butanone
Concen: 1.821 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW010693.D
Acq: 05 Jun 2019 15:38

Tgt Ion: 43 Resp: 1701
Ion Ratio Lower Upper
43 100
72 13.1 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 1.307 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW010693.D

Acq: 05 Jun 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

SU-02-060419-B

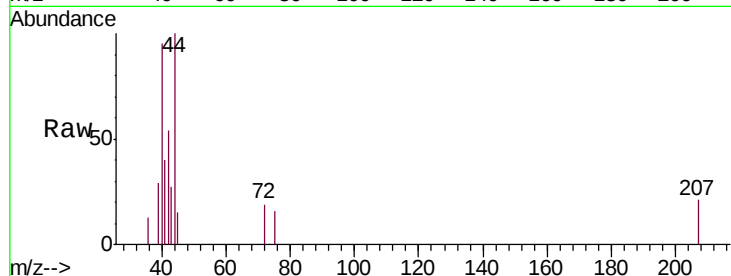
Tgt Ion: 42 Resp: 768

Ion Ratio Lower Upper

42 100

72 16.7 28.7 43.1#

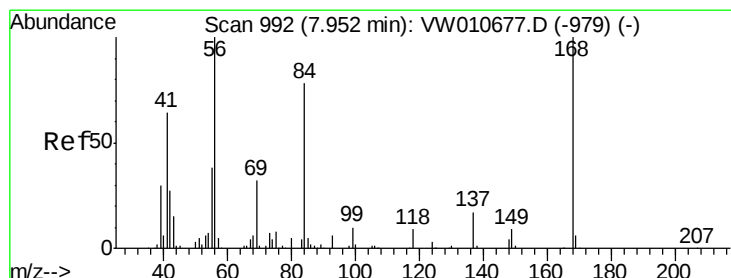
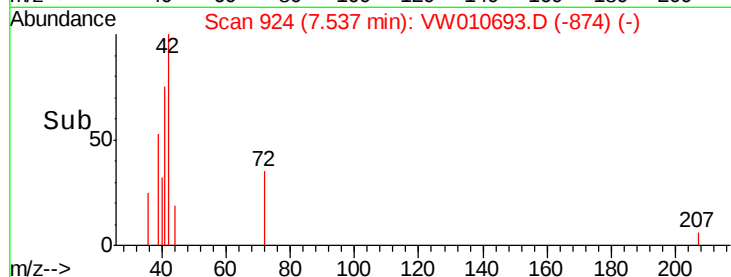
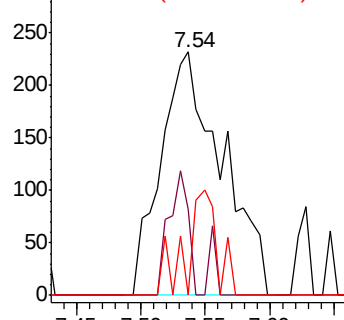
71 2.6 26.6 39.8#



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



#31

Cyclohexane

Concen: 1.119 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010693.D

Acq: 05 Jun 2019 15:38

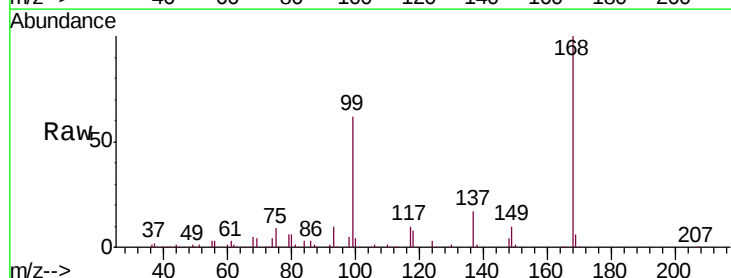
Tgt Ion: 56 Resp: 5676

Ion Ratio Lower Upper

56 100

69 147.6 25.2 37.8#

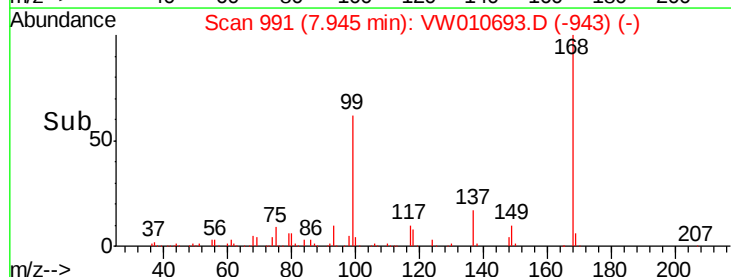
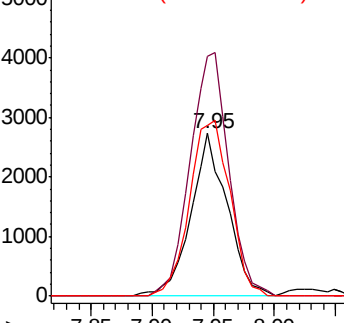
84 105.1 62.2 93.2#

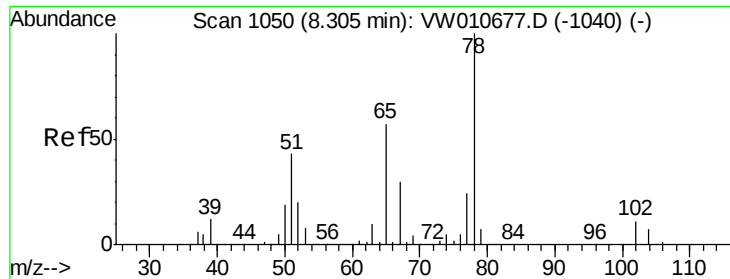


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

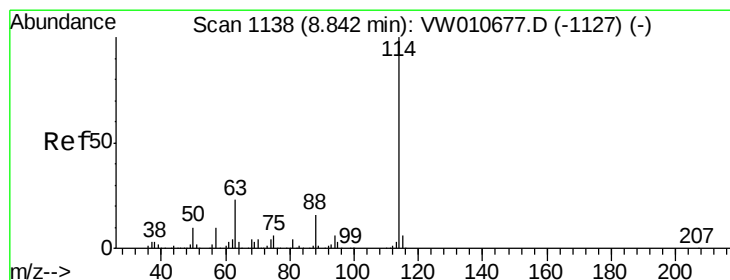
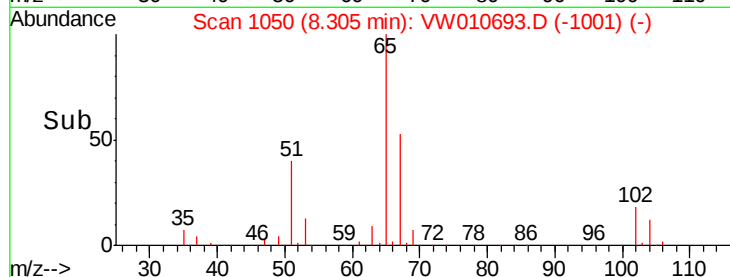
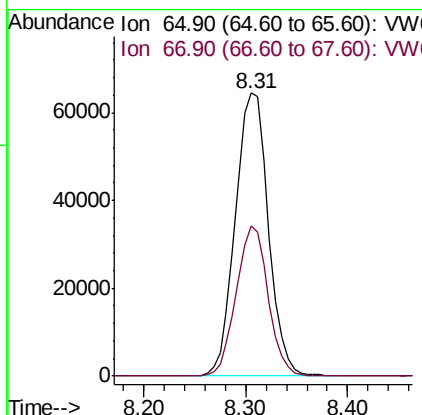
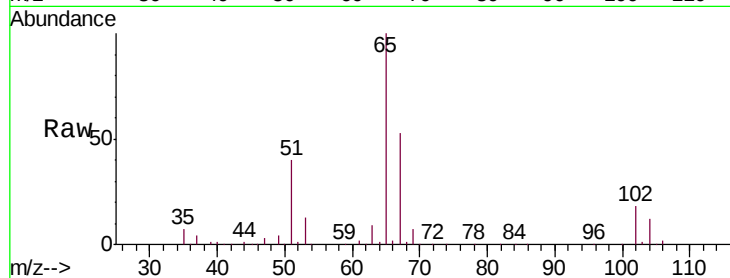




#33
 1,2-Dichloroethane-d4
 Concen: 57.556 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010693.D
 Acq: 05 Jun 2019 15:38

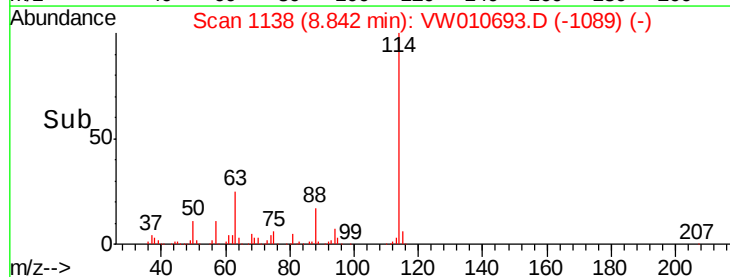
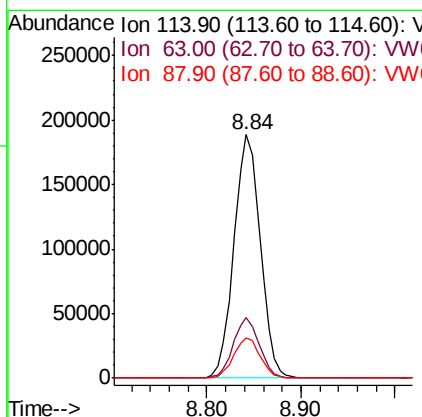
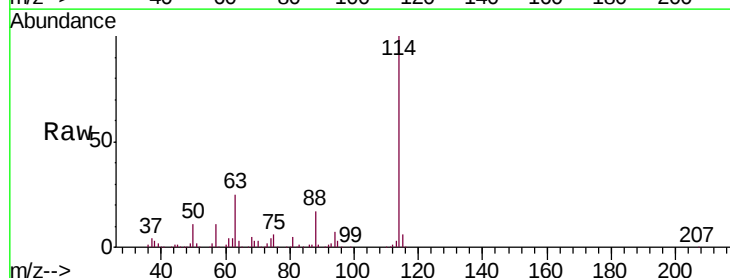
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-02-060419-B

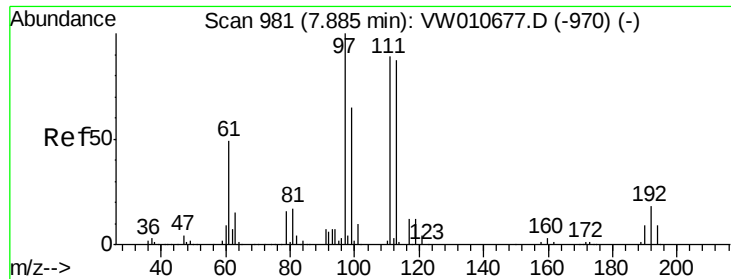
Tgt Ion: 65 Resp: 144693
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010693.D
 Acq: 05 Jun 2019 15:38

Tgt Ion: 114 Resp: 367260
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 46.4
 88 16.7 0.0 32.2

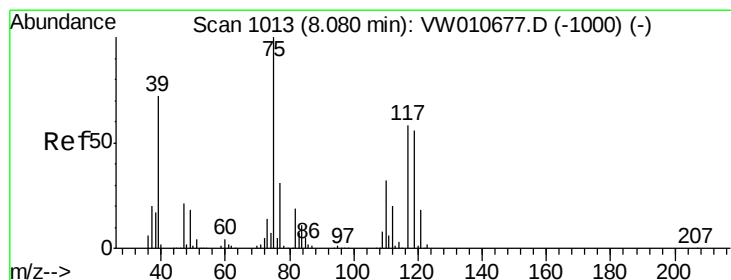
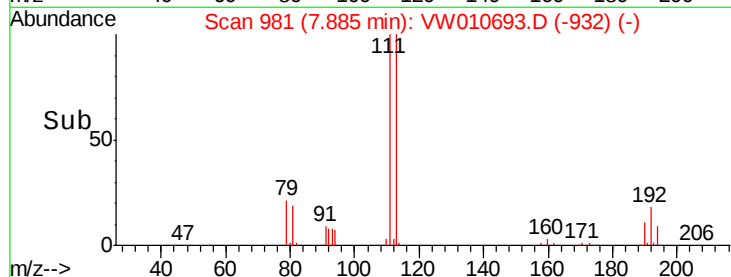
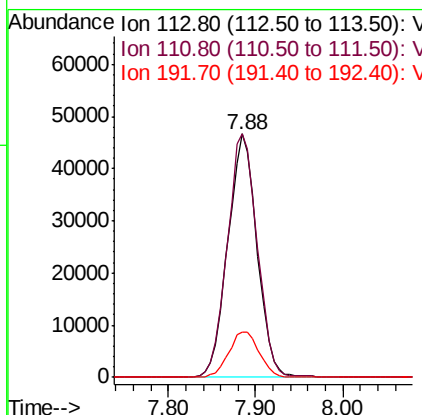
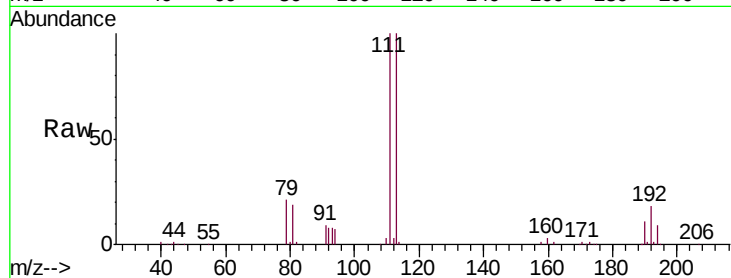




#35
 Dibromofluoromethane
 Concen: 54.252 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010693.D
 Acq: 05 Jun 2019 15:38

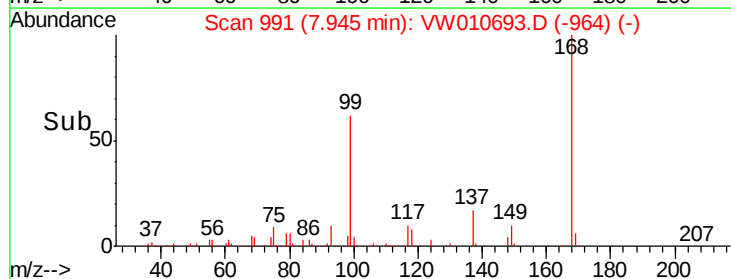
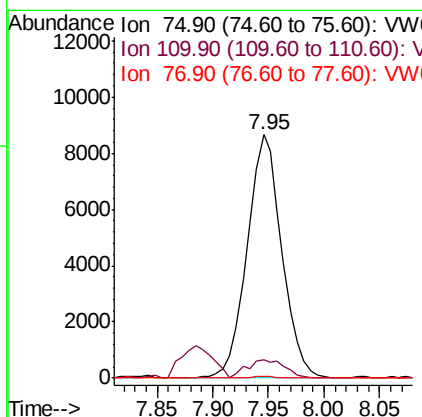
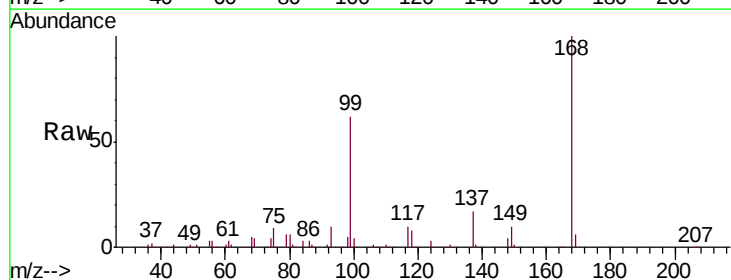
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-02-060419-B

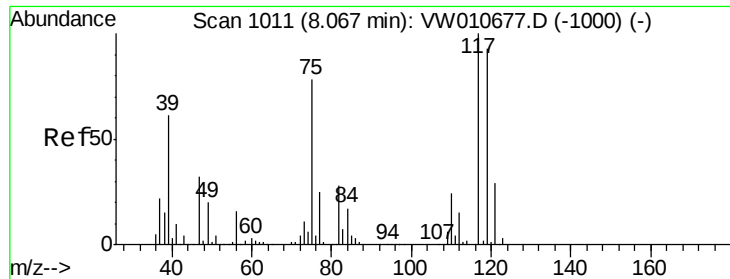
Tgt Ion:113 Resp: 108146
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.6 123.8
 192 19.4 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 4.966 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010693.D
 Acq: 05 Jun 2019 15:38

Tgt Ion: 75 Resp: 18667
 Ion Ratio Lower Upper
 75 100
 110 8.3 15.8 47.3#
 77 0.3 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.652 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW010693.D

Acq: 05 Jun 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

SU-02-060419-B

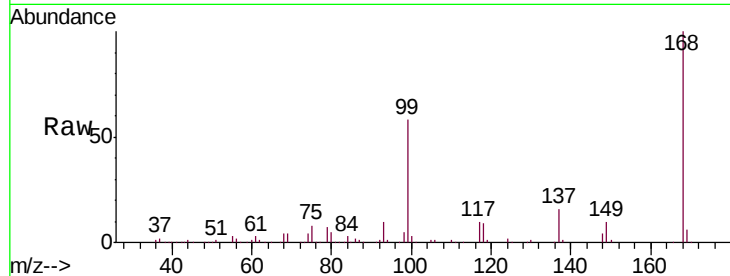
Tgt Ion: 117 Resp: 21589

Ion Ratio Lower Upper

117 100

119 5.1 74.2 111.4#

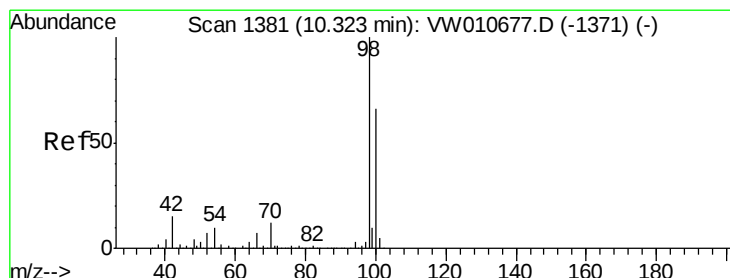
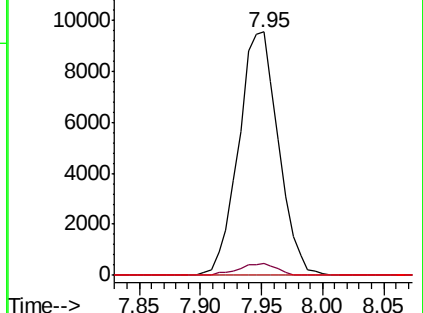
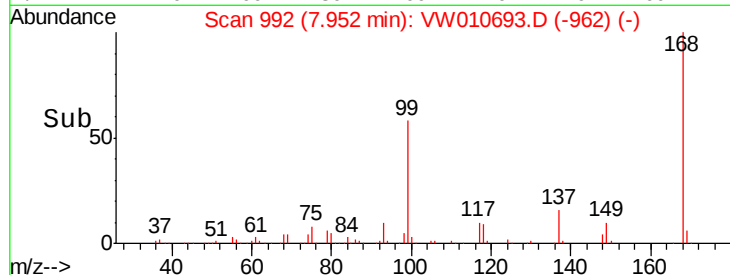
121 0.0 22.9 34.3#



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: 53.413 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010693.D

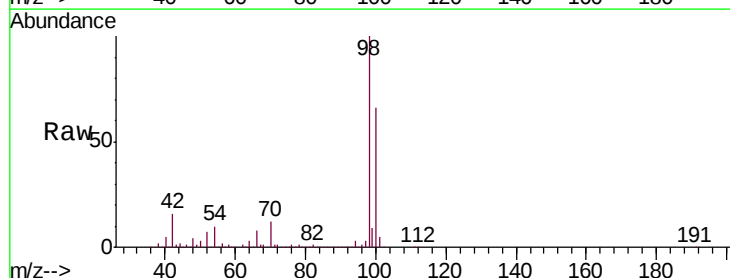
Acq: 05 Jun 2019 15:38

Tgt Ion: 98 Resp: 466903

Ion Ratio Lower Upper

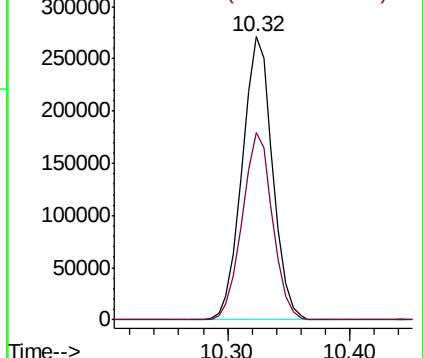
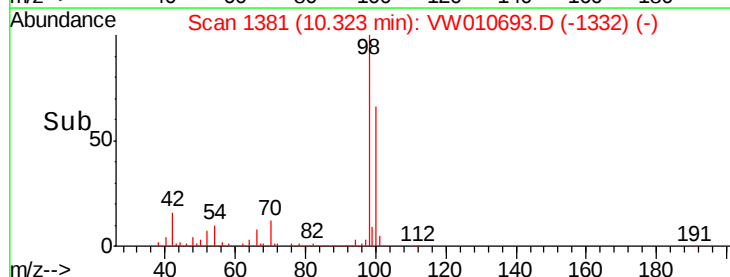
98 100

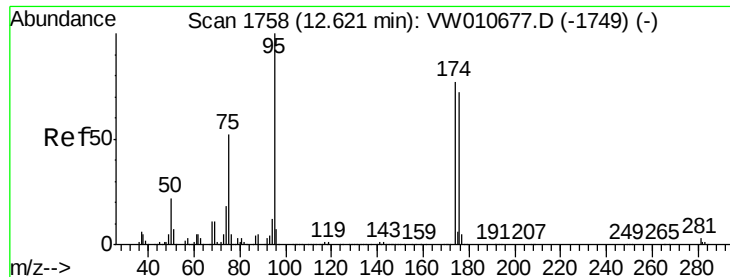
100 65.9 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

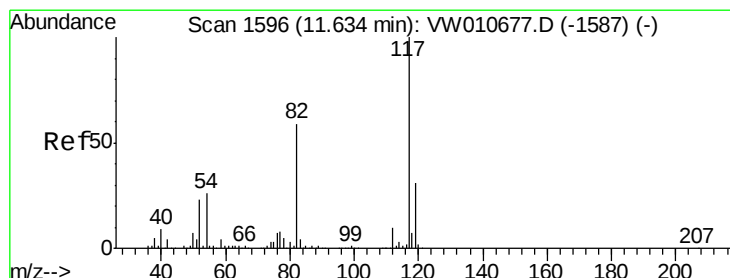
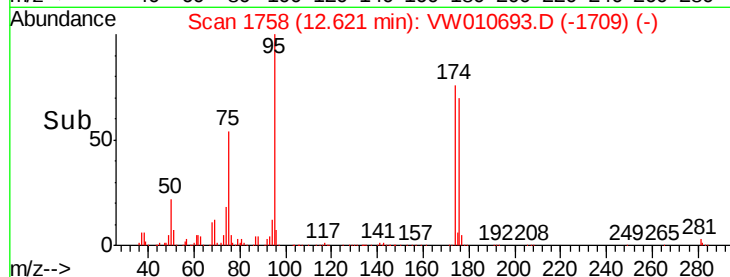
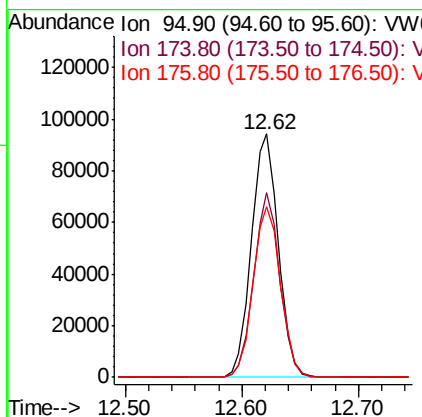
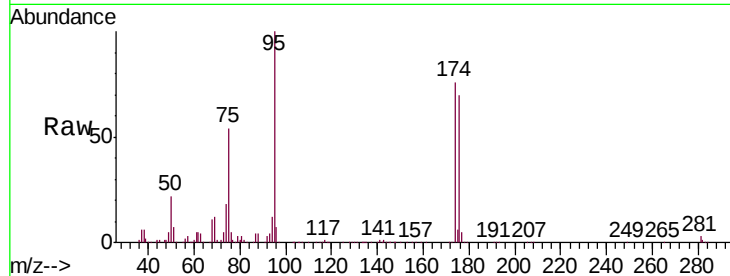




#62
4-Bromofluorobenzene
Concen: 47.844 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW010693.D
Acq: 05 Jun 2019 15:38

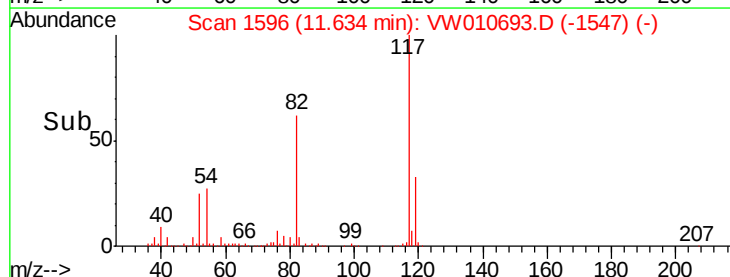
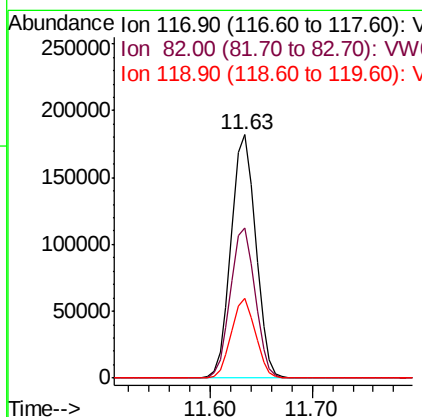
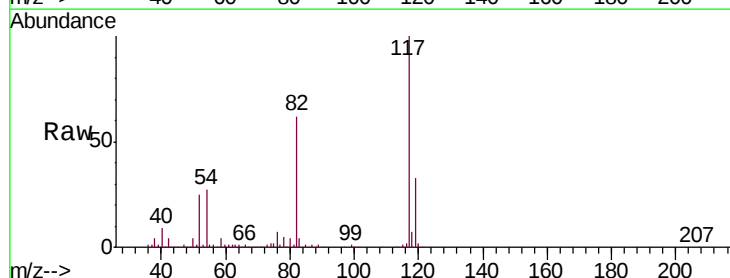
Instrument :
MSVOA_W
ClientSampleId :
SU-02-060419-B

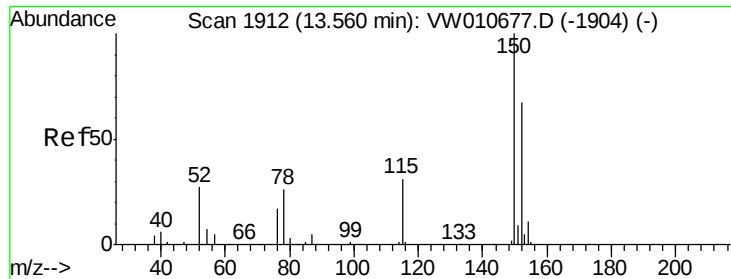
Tgt Ion: 95 Resp: 152184
Ion Ratio Lower Upper
95 100
174 73.6 0.0 150.4
176 71.2 0.0 144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010693.D
Acq: 05 Jun 2019 15:38

Tgt Ion: 117 Resp: 304934
Ion Ratio Lower Upper
117 100
82 61.8 47.0 70.4
119 32.9 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010693.D

Acq: 05 Jun 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

SU-02-060419-B

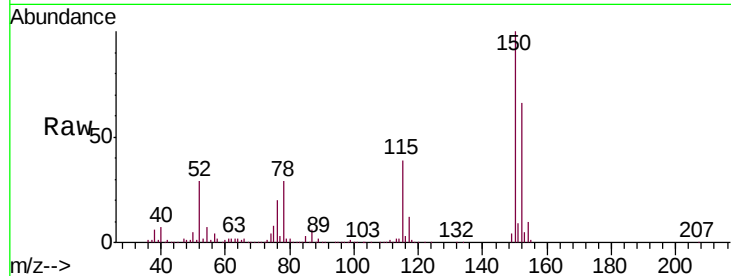
Tgt Ion:152 Resp: 116484

Ion Ratio Lower Upper

152 100

115 60.7 29.8 89.3

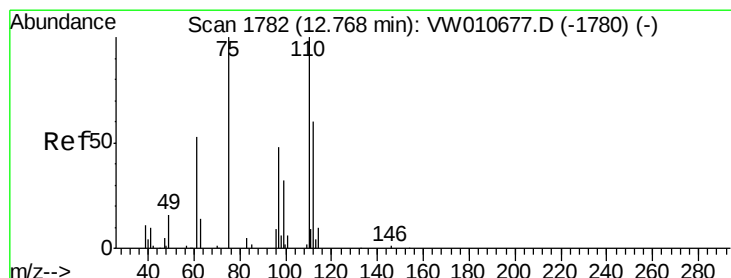
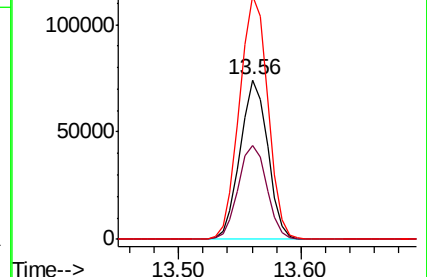
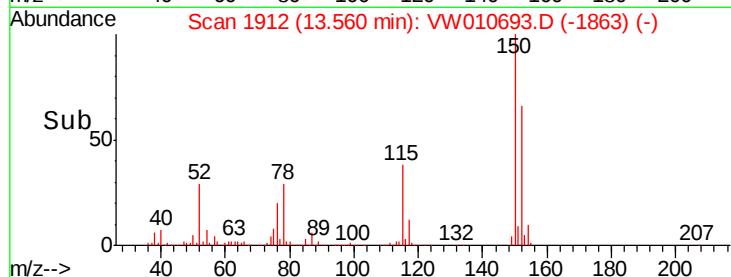
150 156.2 0.0 345.0



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: 67.607 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010693.D

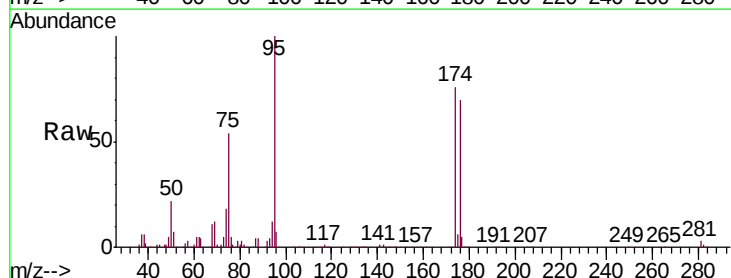
Acq: 05 Jun 2019 15:38

Tgt Ion: 75 Resp: 82700

Ion Ratio Lower Upper

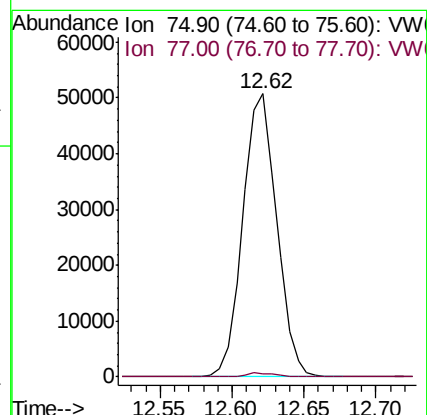
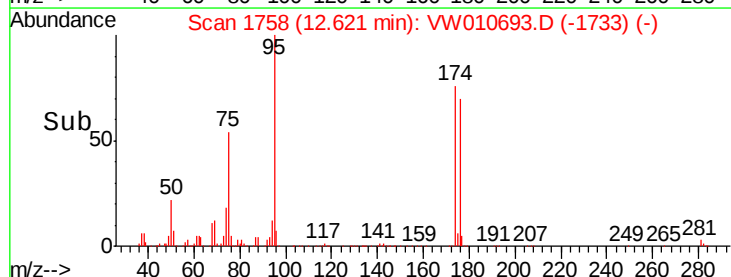
75 100

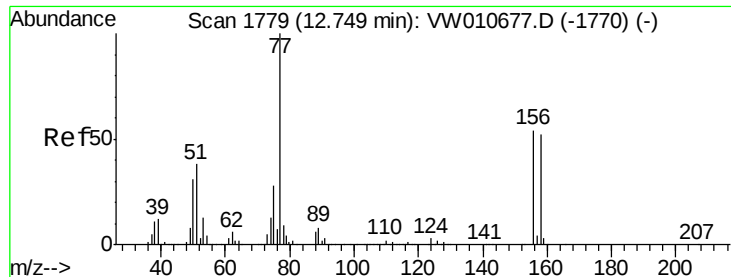
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 1.214 ug/l

RT: 12.88 min Scan# 1801

Delta R.T. 0.13 min

Lab File: VW010693.D

Acq: 05 Jun 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

SU-02-060419-B

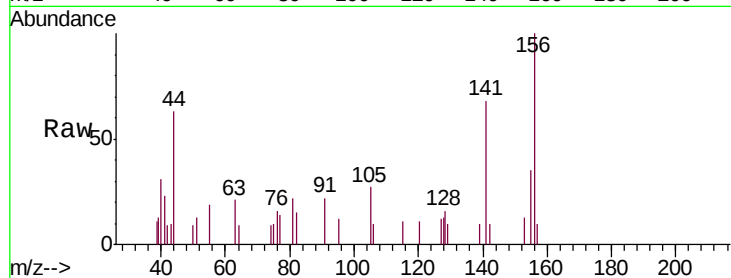
Tgt Ion:156 Resp: 2319

Ion Ratio Lower Upper

156 100

77 4.1 106.5 319.4#

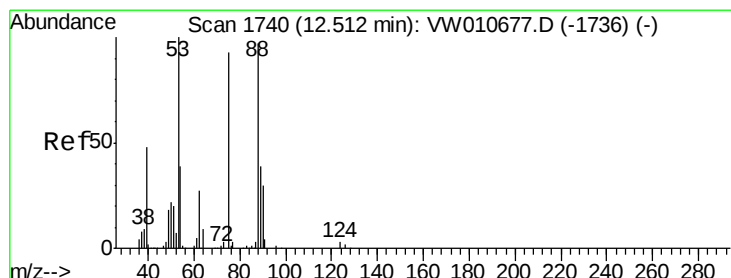
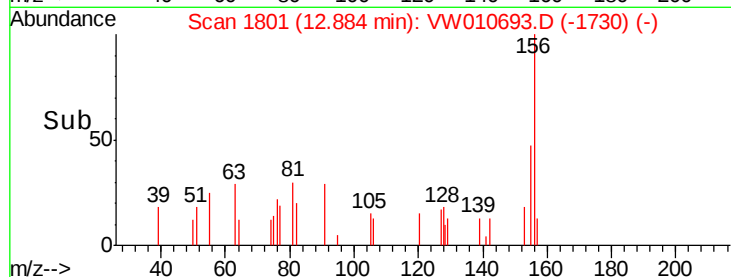
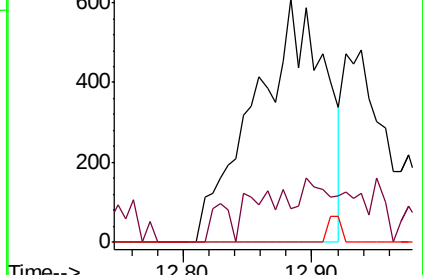
158 0.0 48.3 144.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 155.384 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010693.D

Acq: 05 Jun 2019 15:38

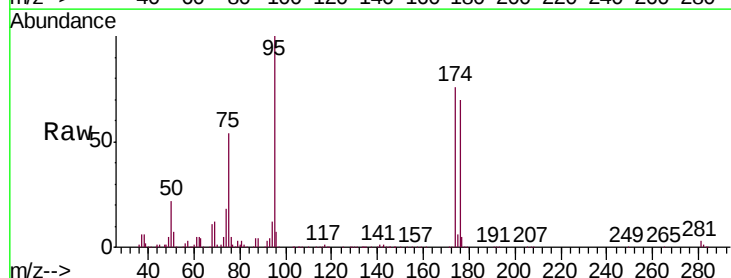
Tgt Ion: 75 Resp: 82700

Ion Ratio Lower Upper

75 100

53 0.1 90.1 135.1#

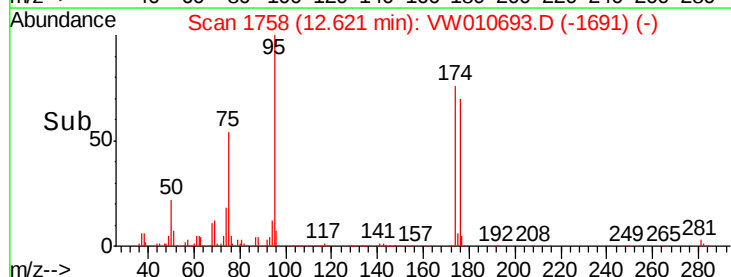
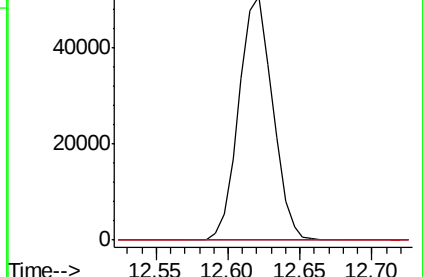
89 0.0 34.6 52.0#

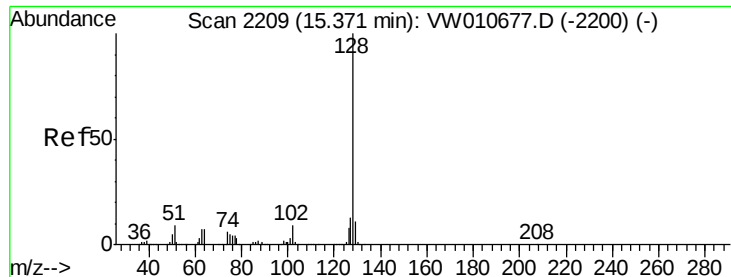


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

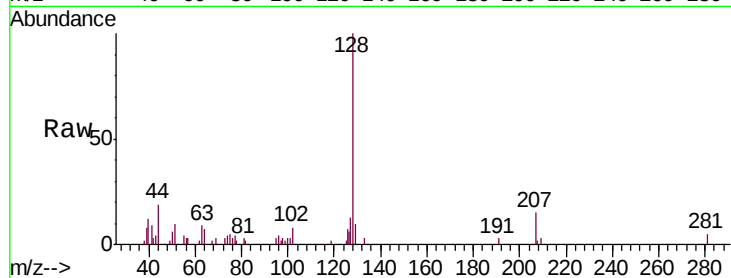




#95
Naphthalene
Concen: 1.087 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW010693.D
Acq: 05 Jun 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
SU-02-060419-B

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.6	15.8
129	10.3	8.6	13.0



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

