

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
 Data File : VW010870.D
 Acq On : 20 Jun 2019 02:41
 Operator : SY/VA
 Sample : K3439-02
 Misc : 4.84G/5ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-0D015-03-006

Quant Time: Jun 20 05:51:47 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	235479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	431715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	372989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	157075	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	163488	58.90	ug/l	0.00
Spiked Amount			Recovery	=	117.80%	
35) Dibromofluoromethane	7.95	113	440	0.19	ug/l	0.06
Spiked Amount			Recovery	=	0.38%	
50) Toluene-d8	10.32	98	484802	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
62) 4-Bromofluorobenzene	12.62	95	173505	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	

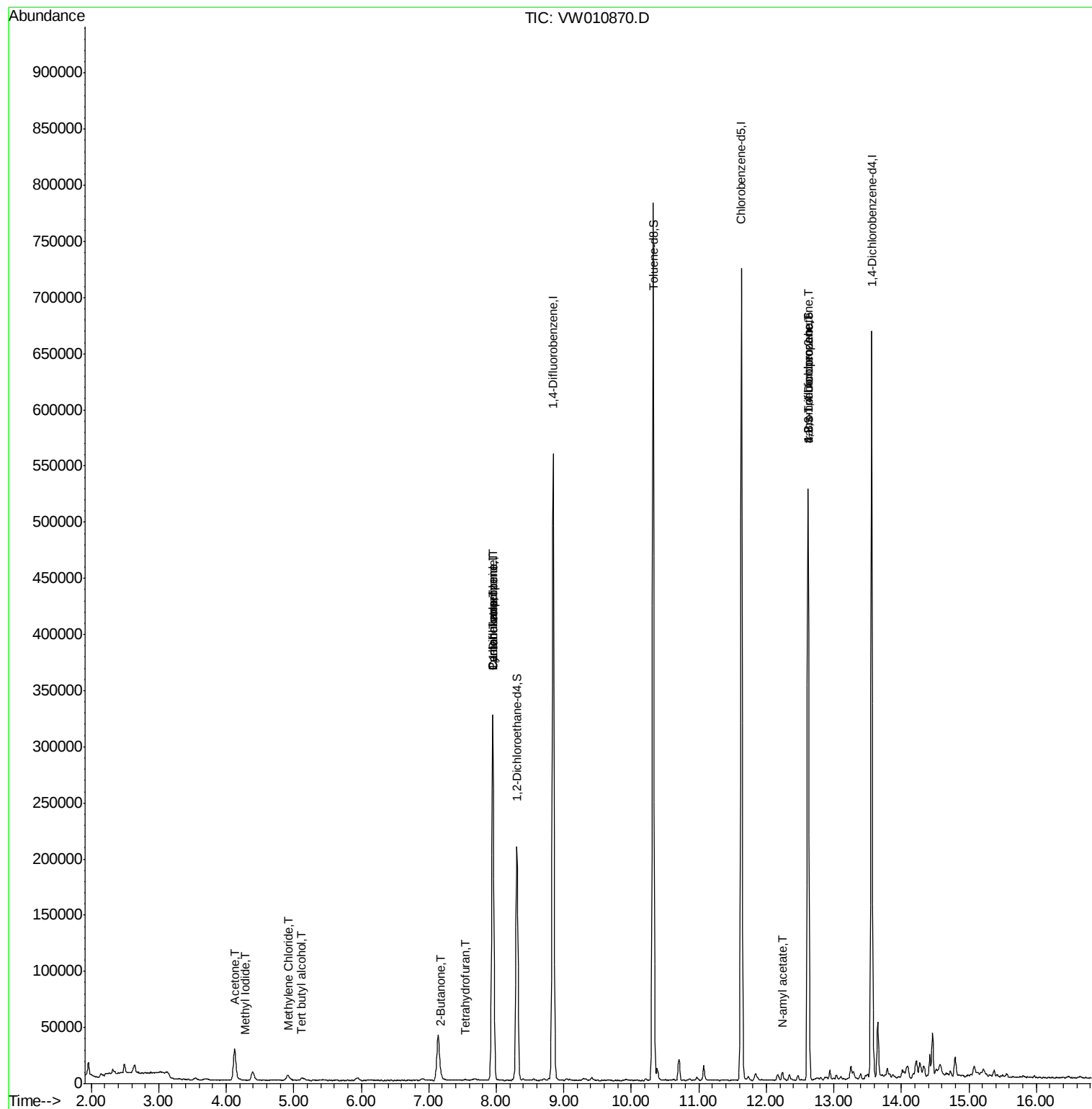
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.28	142	312	4.914	ug/l #	70
11) Tert butyl alcohol	5.12	59	1485	6.567	ug/l #	81
16) Acetone	4.12	43	52192	70.179	ug/l	96
20) Methylene Chloride	4.92	84	2988	1.145	ug/l	94
25) 2-Butanone	7.18	43	3778	3.664	ug/l	93
29) Tetrahydrofuran	7.54	42	786	1.212	ug/l #	75
31) Cyclohexane	7.95	56	6514	1.163	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21468	4.858	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23787	6.235	ug/l #	17
74) N-amyl acetate	12.24	43	5698	1.494	ug/l #	53
76) 1,2,3-Trichloropropane	12.62	75	96088	58.253	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	96088	133.884	ug/l #	5

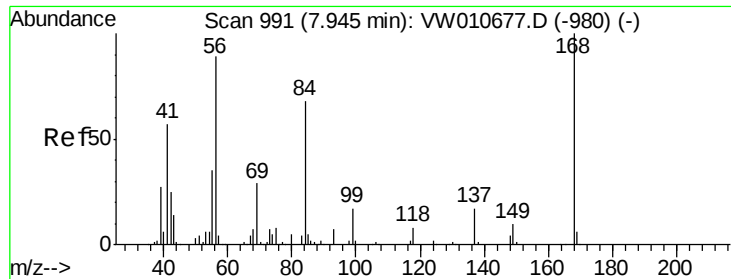
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061919\
Data File : VW010870.D
Acq On : 20 Jun 2019 02:41
Operator : SY/VA
Sample : K3439-02
Misc : 4.84G/5ML/MSVOA W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FK-0D015-03-006

Quant Time: Jun 20 05:51:47 2019
Quant Method : Z:\V0ASRV\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: VW010870.D

Acq: 20 Jun 2019 02:41

Instrument :

MSVOA_W

ClientSampleId :

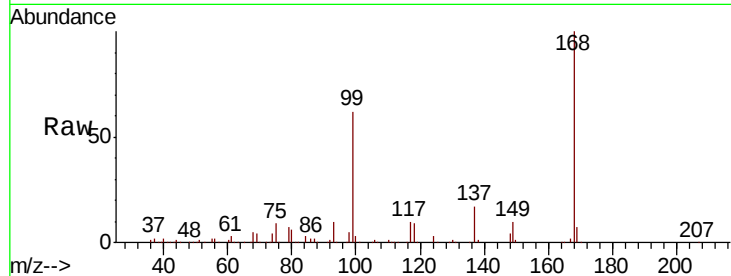
FK-0D015-03-006

Tot Ion:168 Resp: 235479

Ion Ratio Lower Upper

168 100

99 61.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

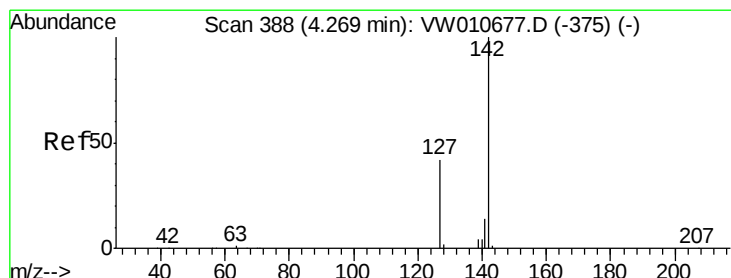
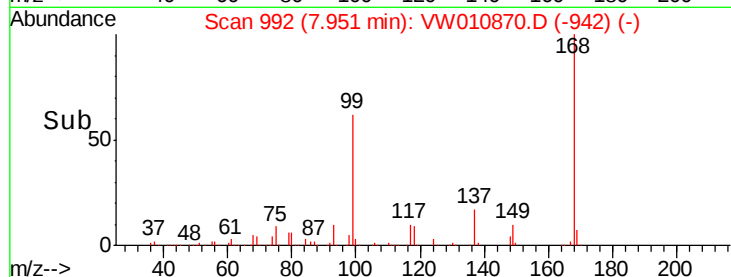
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 4.914 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW010870.D

Acq: 20 Jun 2019 02:41

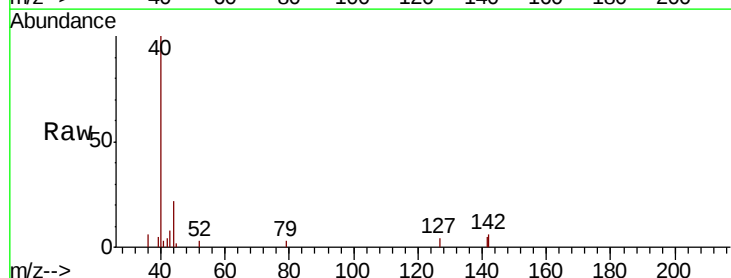
Tgt Ion:142 Resp: 312

Ion Ratio Lower Upper

142 100

127 25.0 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

4.28

300

250

200

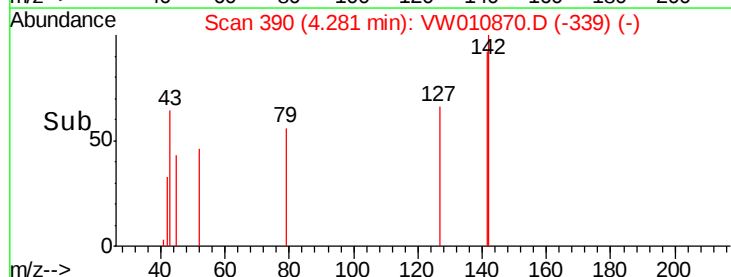
150

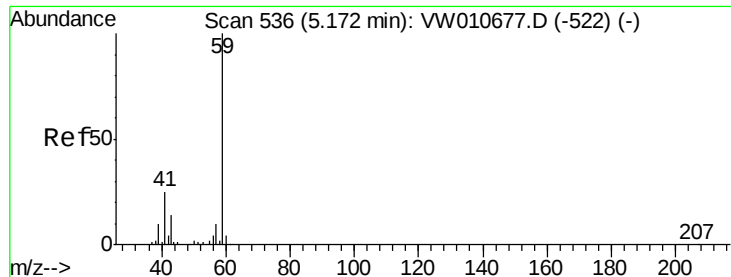
100

50

0

Time-->



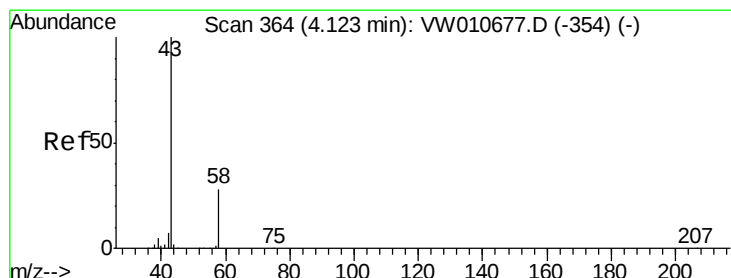
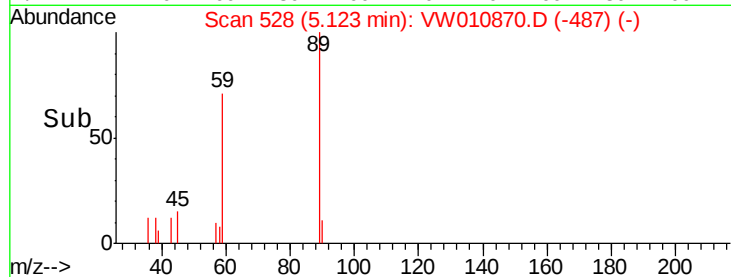
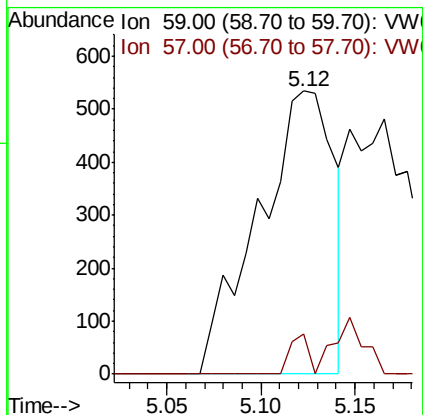
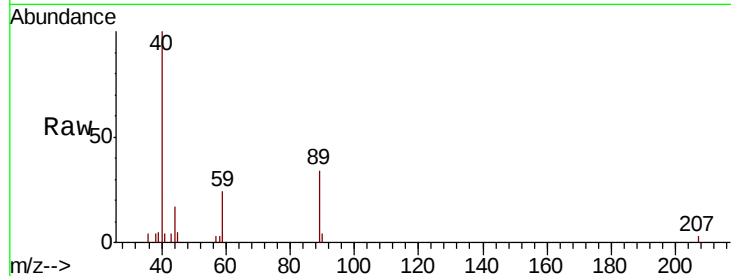


#11

Tert butyl alcohol
 Concen: 6.567 ug/l
 RT: 5.12 min Scan# 528
 Delta R.T. -0.05 min
 Lab File: VW010870.D
 Acq: 20 Jun 2019 02:41

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-0D015-03-006

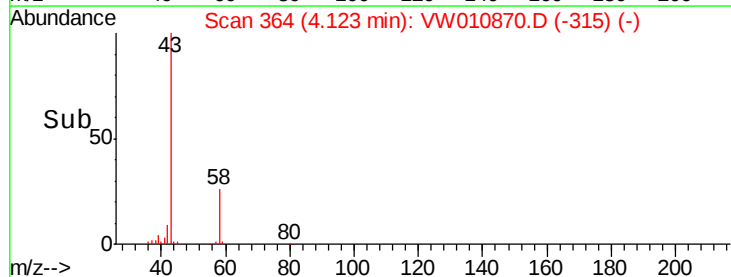
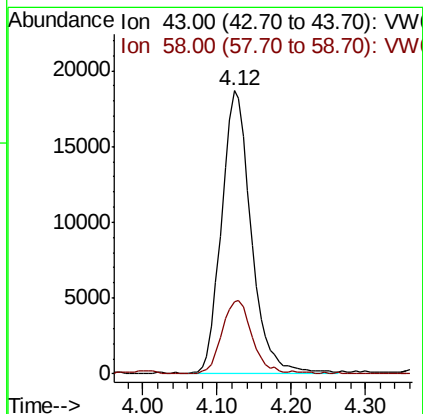
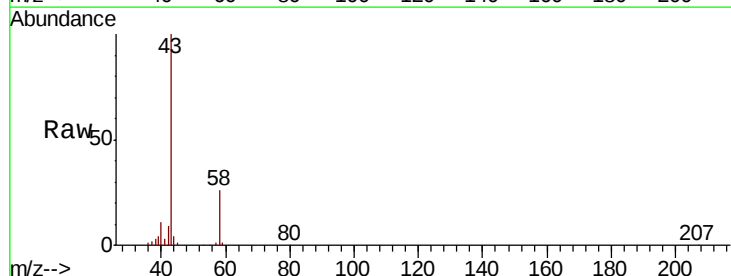
Tot Ion: 59 Resp: 1485
 Ion Ratio Lower Upper
 59 100
 57 3.4 8.6 12.8#

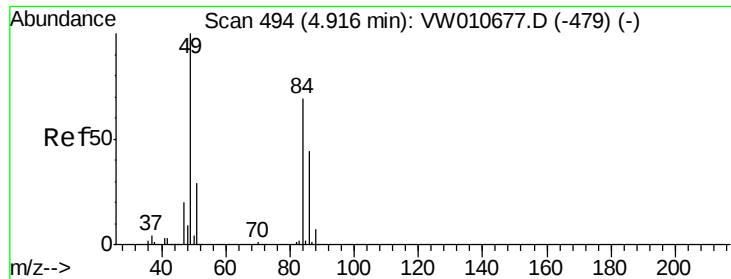


#16

Acetone
 Concen: 70.179 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VW010870.D
 Acq: 20 Jun 2019 02:41

Tgt Ion: 43 Resp: 52192
 Ion Ratio Lower Upper
 43 100
 58 25.7 22.1 33.1



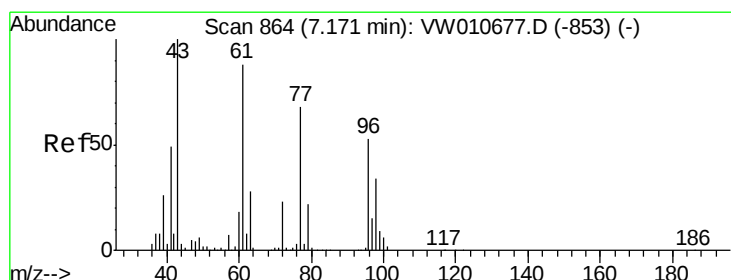
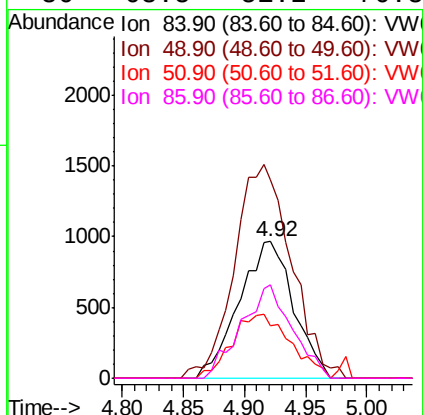
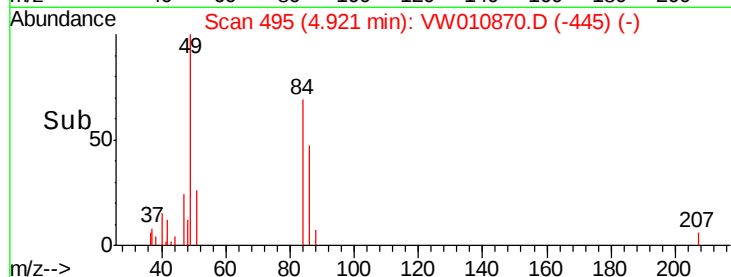
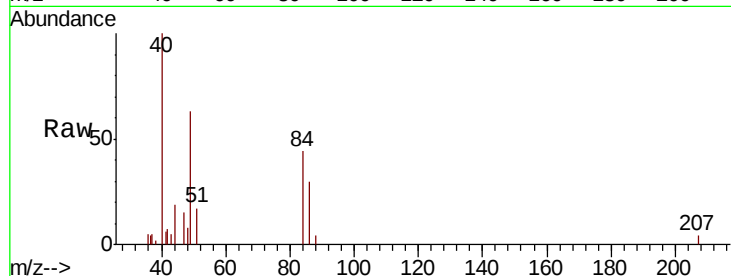


#20
Methvlene Chloride
Concen: 1.145 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010870.D
Acq: 20 Jun 2019 02:41

Instrument :
MSVOA_W
ClientSampleId :
FK-0D015-03-006

Tot Ion: 84 Resp: 2988

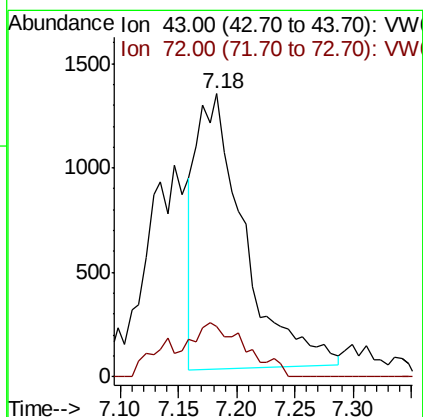
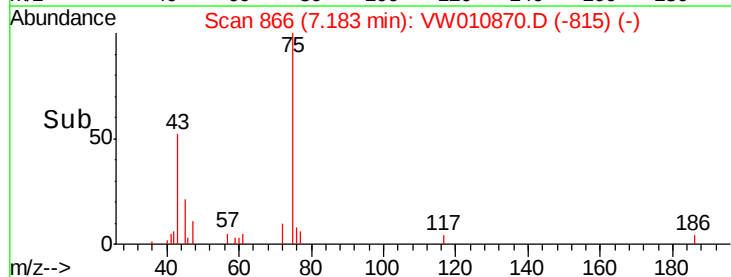
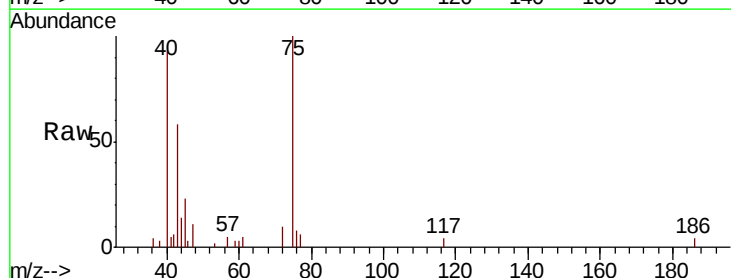
Ion	Ratio	Lower	Upper
84	100		
49	137.9	116.7	175.1
51	38.3	34.2	51.2
86	68.5	51.2	76.8

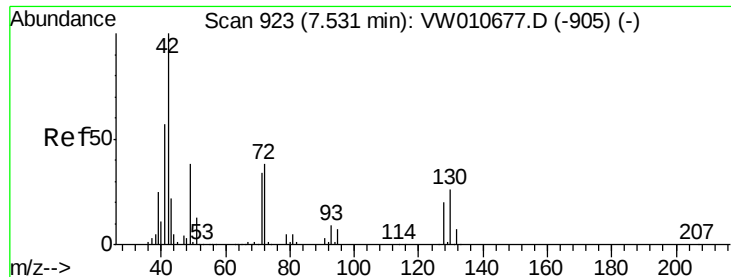


#25
2-Butanone
Concen: 3.664 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW010870.D
Acq: 20 Jun 2019 02:41

Tgt Ion: 43 Resp: 3778

Ion	Ratio	Lower	Upper
43	100		
72	19.2	18.1	27.1

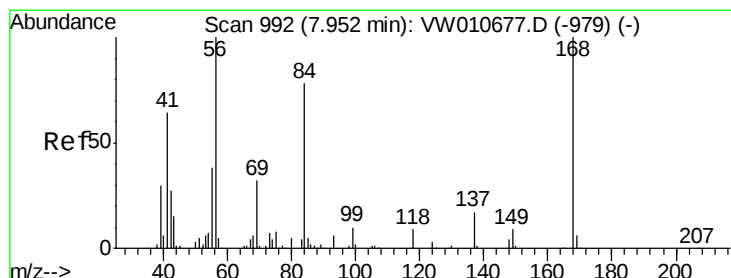
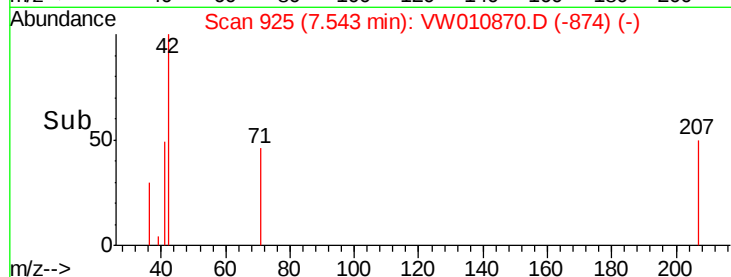
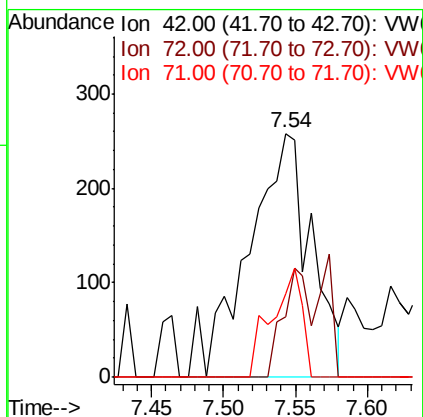
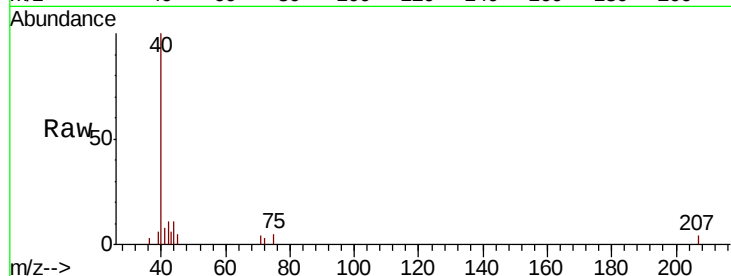




#29
Tetrahydrofuran
Concen: 1.212 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW010870.D
Acq: 20 Jun 2019 02:41

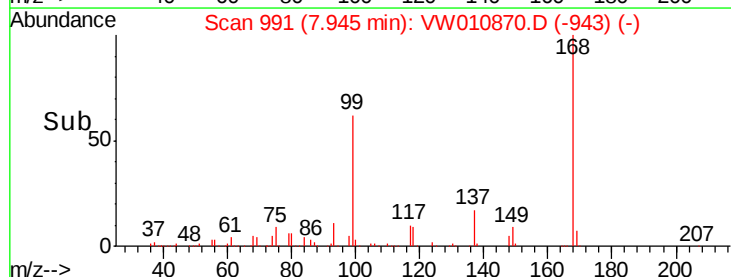
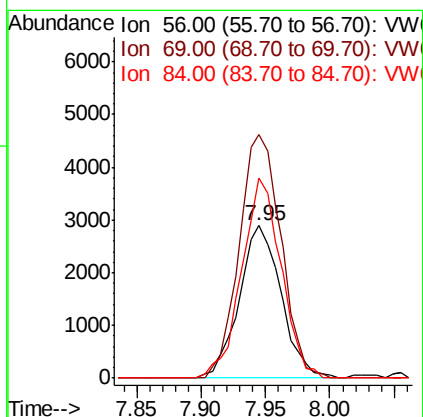
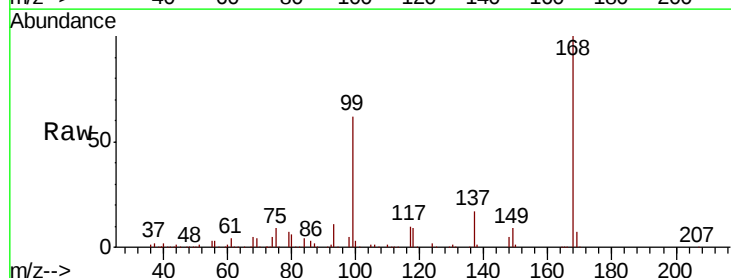
Instrument :
MSVOA_W
ClientSampled :
FK-0D015-03-006

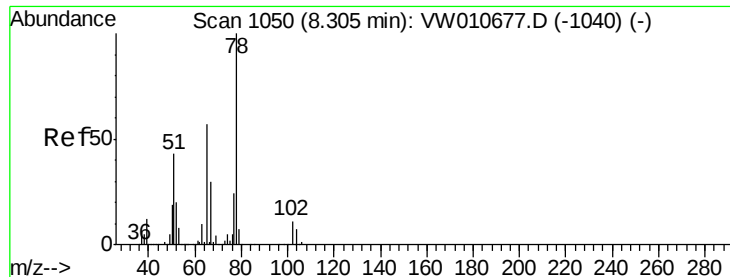
Tot Ion: 42 Resp: 786
Ion Ratio Lower Upper
42 100
72 18.6 28.7 43.1#
71 21.6 26.6 39.8#



#31
Cyclohexane
Concen: 1.163 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010870.D
Acq: 20 Jun 2019 02:41

Tgt Ion: 56 Resp: 6514
Ion Ratio Lower Upper
56 100
69 160.1 25.2 37.8#
84 131.6 62.2 93.2#





#33

1,2-Dichloroethane-d4

Concen: 58.904 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010870.D

Acq: 20 Jun 2019 02:41

Instrument :

MSVOA_W

ClientSampleId :

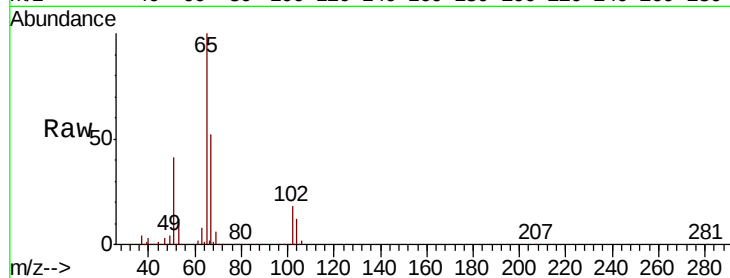
FK-0D015-03-006

Tot Ion: 65 Resp: 163488

Ion Ratio Lower Upper

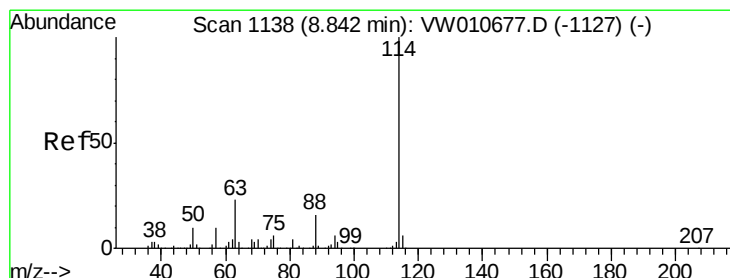
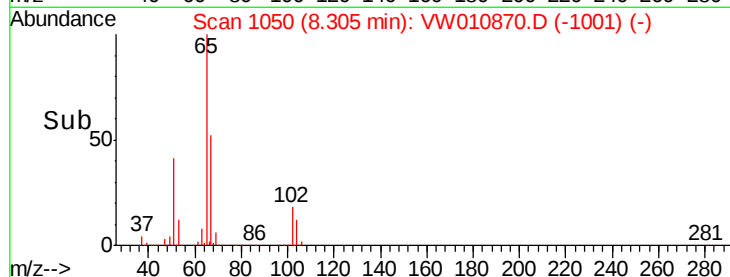
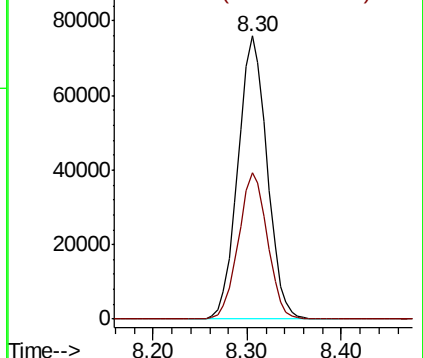
65 100

67 51.2 0.0 102.6



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: VW010870.D

Acq: 20 Jun 2019 02:41

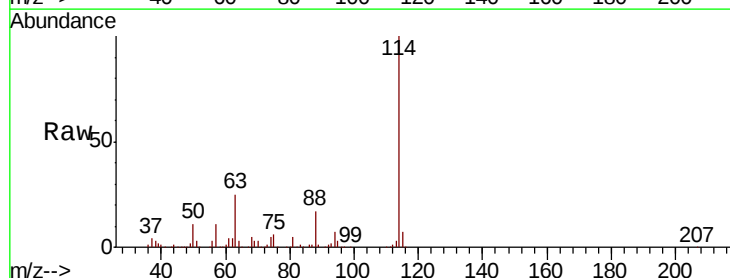
Tgt Ion: 114 Resp: 431715

Ion Ratio Lower Upper

114 100

63 25.1 0.0 46.4

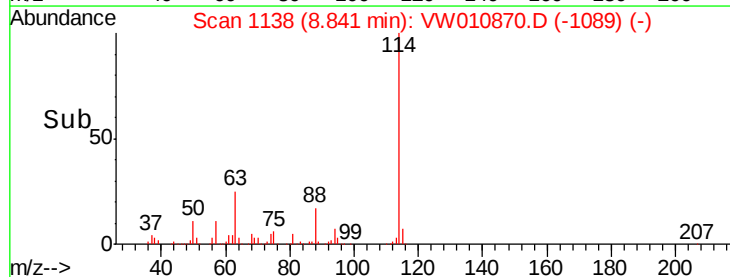
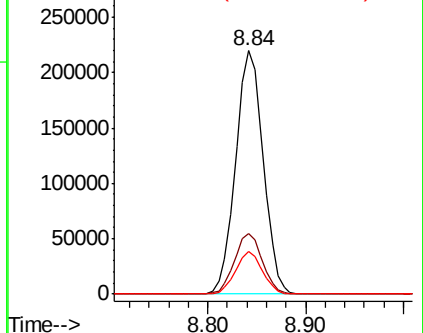
88 17.3 0.0 32.2

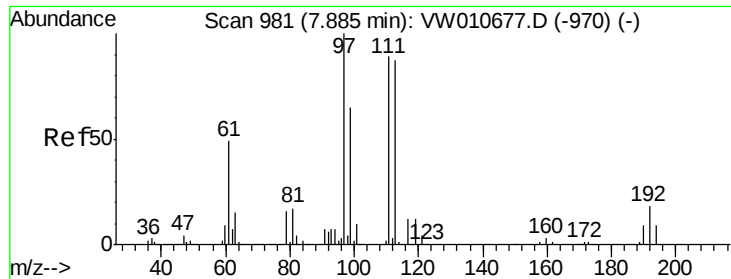


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 0.188 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.06 min

Lab File: VW010870.D

Acq: 20 Jun 2019 02:41

Instrument :

MSVOA_W

ClientSampleId :

FK-0D015-03-006

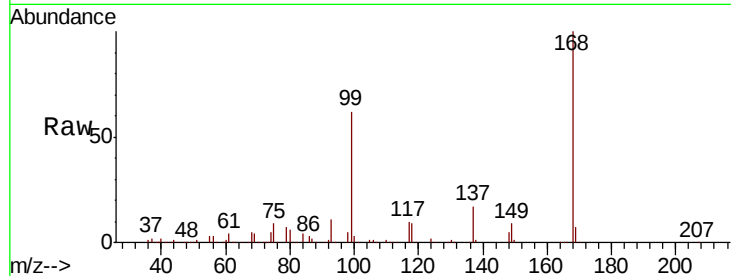
Tot Ion:113 Resp: 440

Ion Ratio Lower Upper

113 100

111 170.9 82.6 123.8#

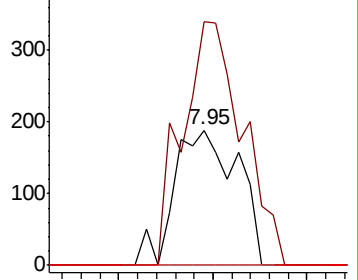
192 0.0 16.4 24.6#



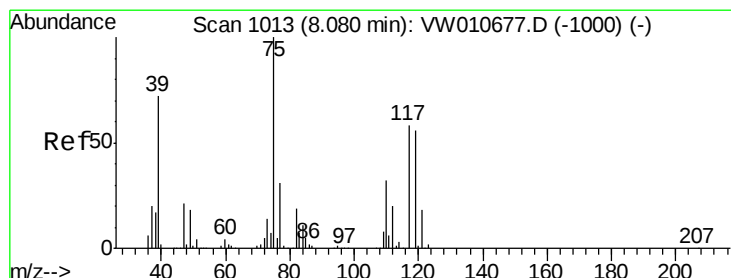
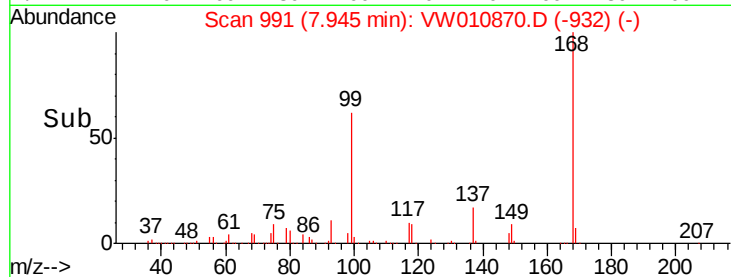
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->



#36

1,1-Dichloropropene

Concen: 4.858 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010870.D

Acq: 20 Jun 2019 02:41

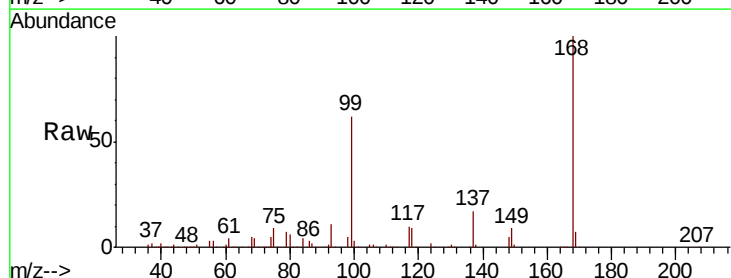
Tgt Ion: 75 Resp: 21468

Ion Ratio Lower Upper

75 100

110 8.3 15.8 47.3#

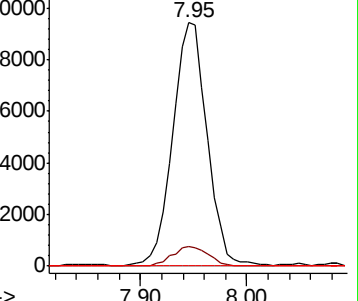
77 0.0 24.7 37.1#



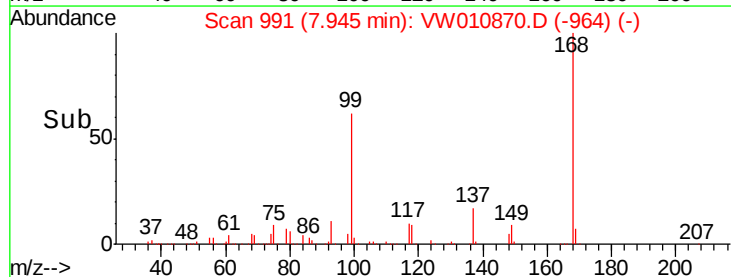
Abundance Ion 74.90 (74.60 to 75.60): VW

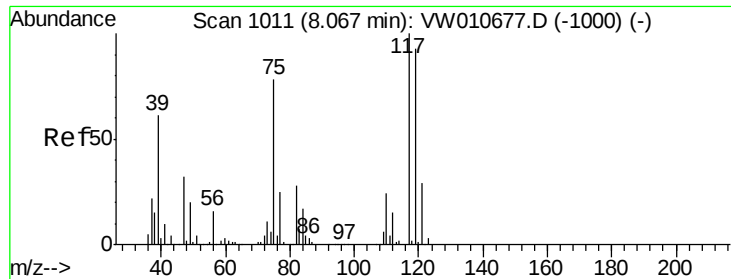
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



Time-->





#38

Carbon Tetrachloride

Concen: 6.235 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW010870.D

Acq: 20 Jun 2019 02:41

Instrument :

MSVOA_W

ClientSampleId :

FK-0D015-03-006

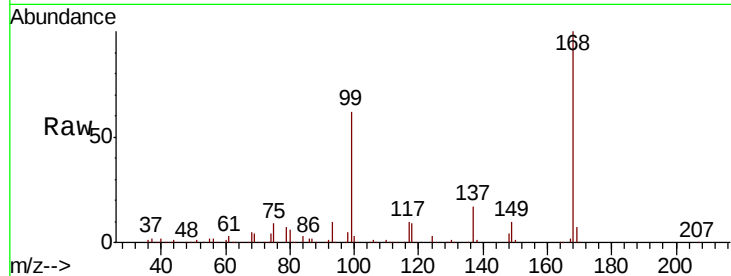
Tot Ion:117 Resp: 23787

Ion Ratio Lower Upper

117 100

119 4.4 74.2 111.4#

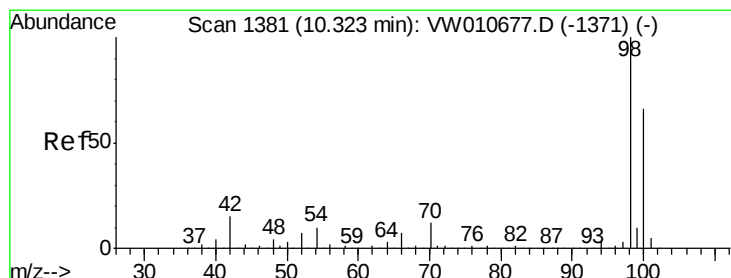
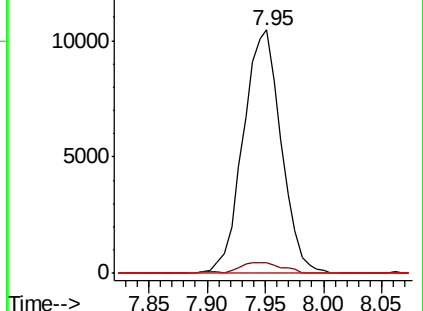
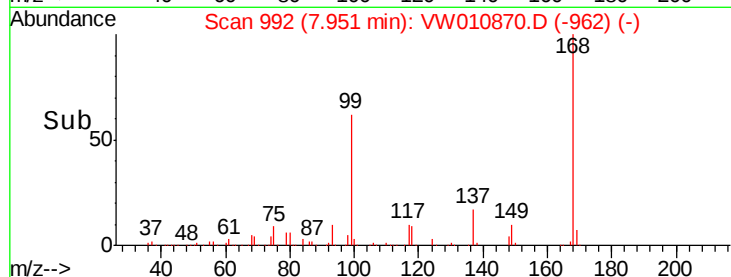
121 0.0 22.9 34.3#



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: 47.181 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010870.D

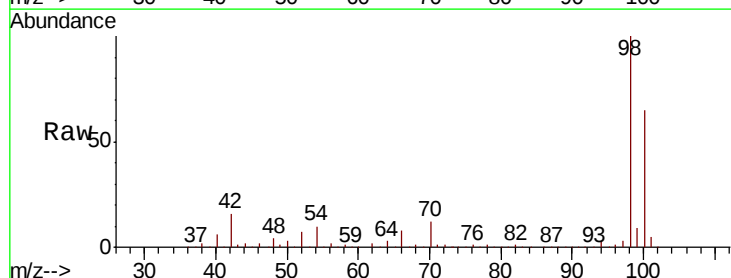
Acq: 20 Jun 2019 02:41

Tgt Ion: 98 Resp: 484802

Ion Ratio Lower Upper

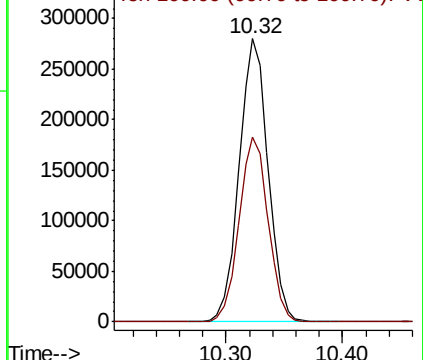
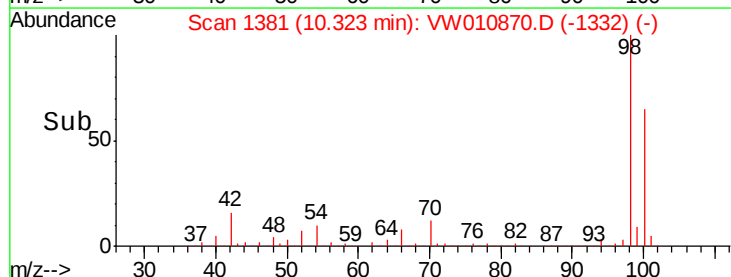
98 100

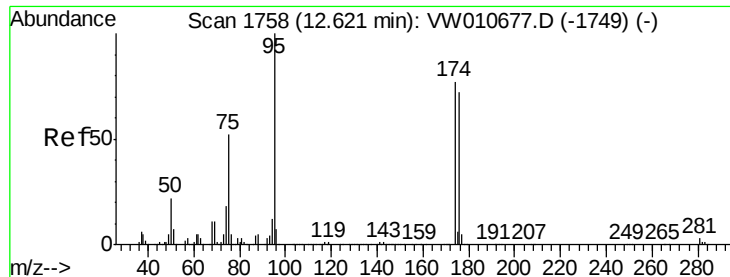
100 65.9 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 46.403 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010870.D

Acq: 20 Jun 2019 02:41

Instrument :

MSVOA_W

ClientSampleId :

FK-0D015-03-006

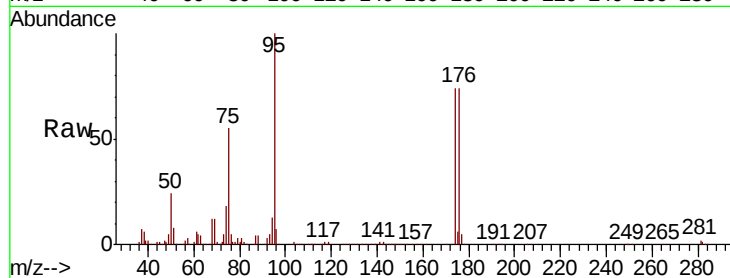
Tot Ion: 95 Resp: 173505

Ion Ratio Lower Upper

95 100

174 72.4 0.0 150.4

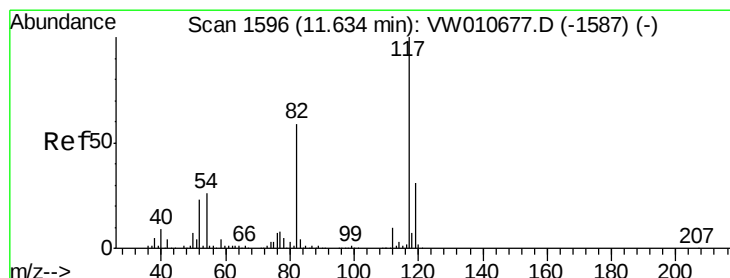
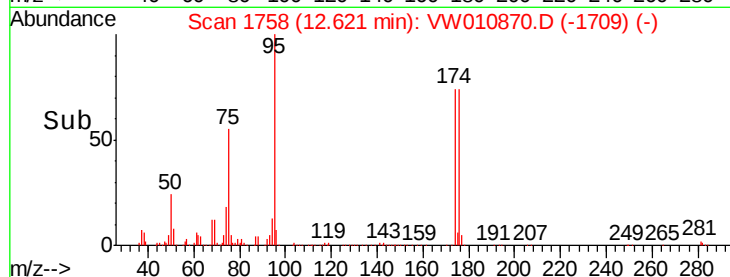
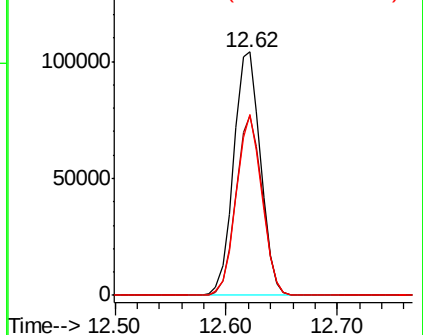
176 71.0 0.0 144.8



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: VW010870.D

Acq: 20 Jun 2019 02:41

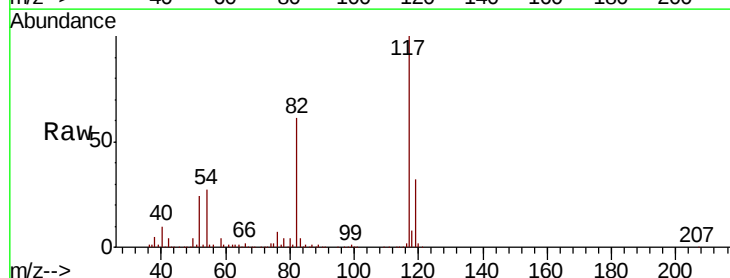
Tgt Ion: 117 Resp: 372989

Ion Ratio Lower Upper

117 100

82 61.2 47.0 70.4

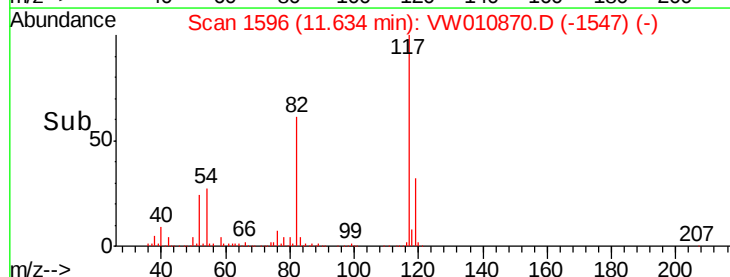
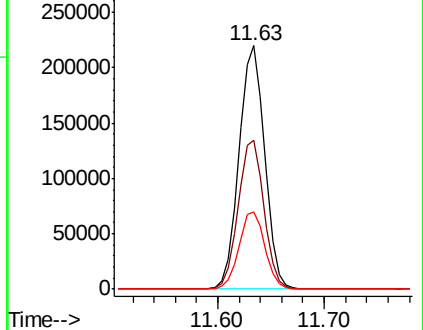
119 31.7 25.1 37.7

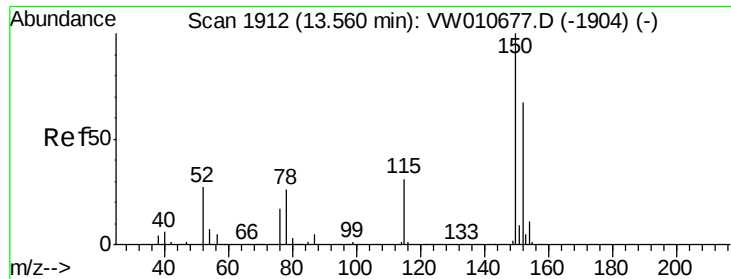


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW010870.D

Acq: 20 Jun 2019 02:41

Instrument :

MSVOA_W

ClientSampleId :

FK-0D015-03-006

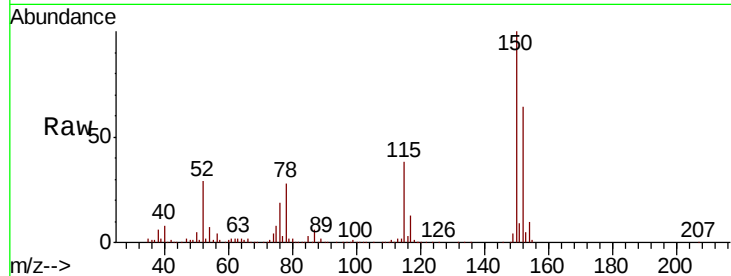
Tot Ion:152 Resp: 157075

Ion Ratio Lower Upper

152 100

115 61.2 29.8 89.3

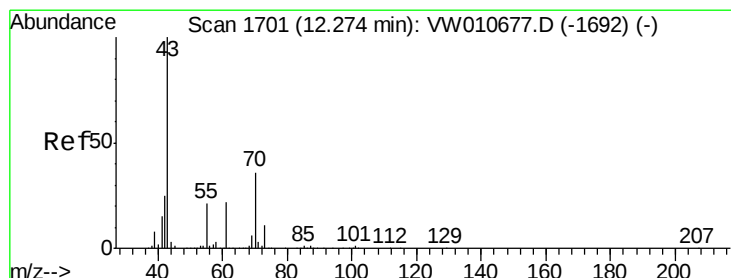
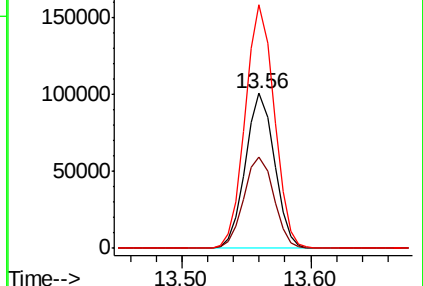
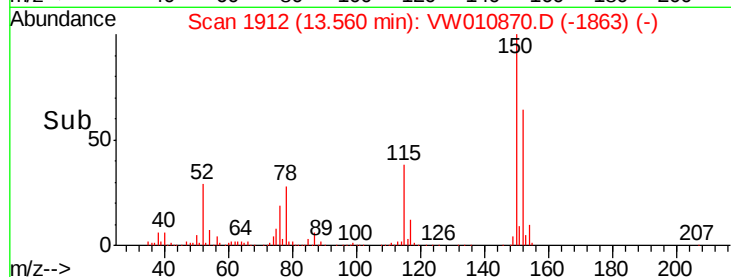
150 157.3 0.0 345.0



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



#74

N-ethyl acetate

Concen: 1.494 ug/l

RT: 12.24 min Scan# 1695

Delta R.T. -0.04 min

Lab File: VW010870.D

Acq: 20 Jun 2019 02:41

Tgt Ion: 43 Resp: 5698

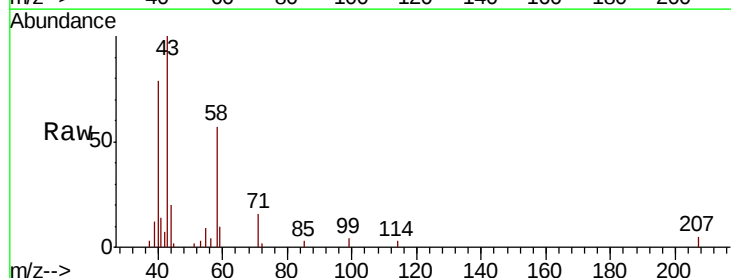
Ion Ratio Lower Upper

43 100

70 0.0 29.2 43.8#

55 10.1 17.5 26.3#

61 0.0 17.4 26.2#

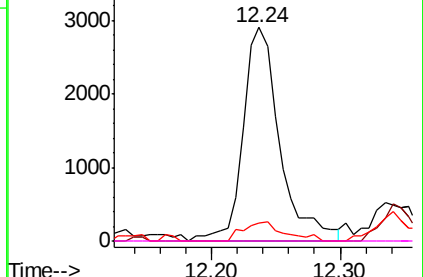
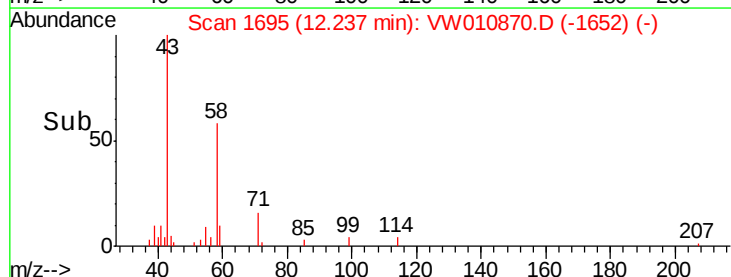


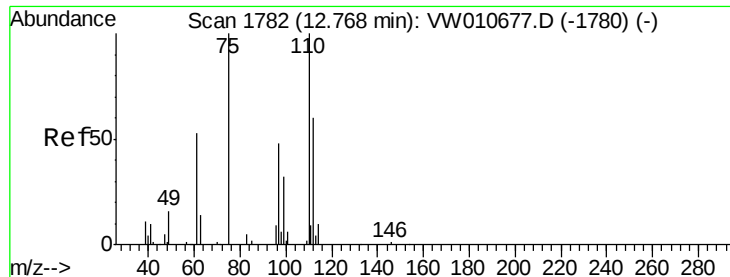
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#76

1,2,3-Trichloropropane

Concen: 58.253 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW010870.D

Acq: 20 Jun 2019 02:41

Instrument :

MSVOA_W

ClientSampleId :

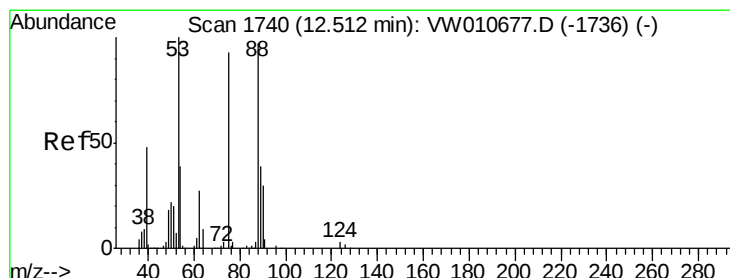
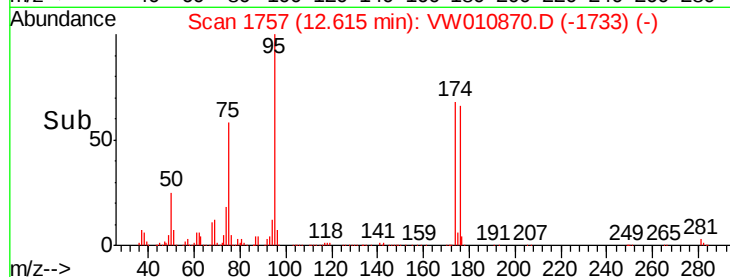
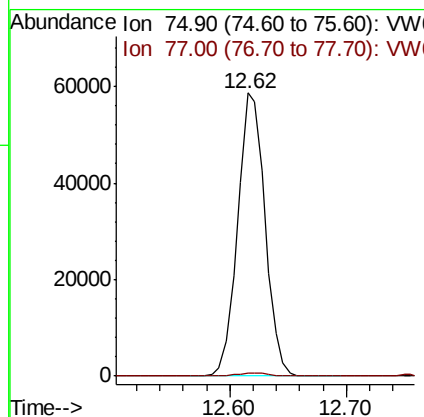
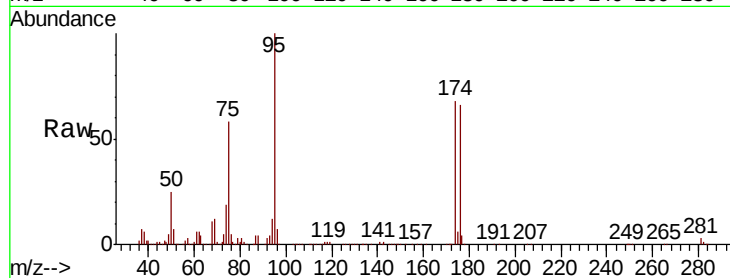
FK-0D015-03-006

Tot Ion: 75 Resp: 96088

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 133.884 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW010870.D

Acq: 20 Jun 2019 02:41

Tgt Ion: 75 Resp: 96088

Ion Ratio Lower Upper

75 100

53 0.1 90.1 135.1#

89 0.0 34.6 52.0#

