

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010469.D
 Acq On : 21 May 2019 01:27
 Operator : SY/VA
 Sample : K2943-14
 Misc : 3.97G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BUS-2-4FT

Quant Time: May 21 06:51:00 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

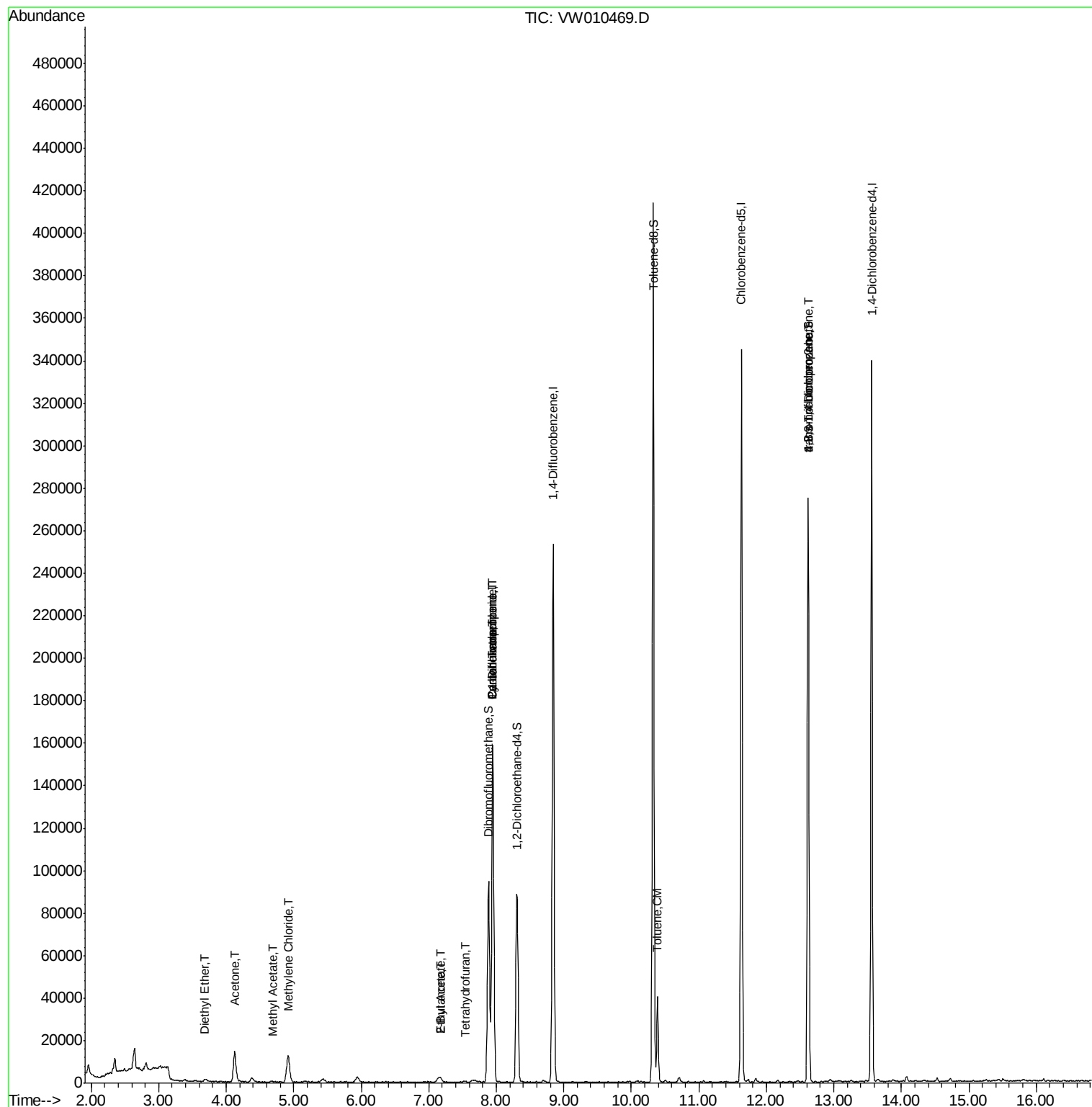
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	118006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	226871	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	199387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	86112	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	71133	58.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.80%	
35) Dibromofluoromethane	7.88	113	70018	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	10.32	98	280955	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
62) 4-Bromofluorobenzene	12.62	95	102164	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	719	1.070	ug/l	89
13) Acrolein	3.86	56	20	Below Cal	#	1
16) Acetone	4.12	43	24847	99.937	ug/l	100
18) Methyl Acetate	4.69	43	1326	2.181	ug/l #	54
20) Methylene Chloride	4.92	84	10600	2.443	ug/l	92
25) 2-Butanone	7.18	43	3588	10.084	ug/l	94
29) Tetrahydrofuran	7.54	42	338	1.404	ug/l #	61
31) Cyclohexane	7.95	56	2701	1.168	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	8945	4.232	ug/l #	48
37) Ethyl Acetate	7.18	43	3588	3.992	ug/l #	67
38) Carbon Tetrachloride	7.95	117	12847	5.635	ug/l #	15
52) Toluene	10.39	92	17793	4.510	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	48336	55.299	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	48336	115.410	ug/l #	14

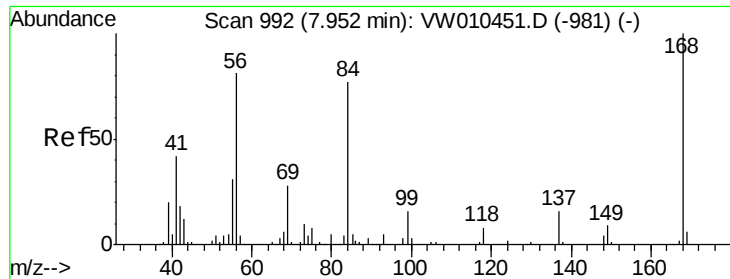
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052019\
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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: VW010469.D

Acq: 21 May 2019 01:27

Instrument :

MSVOA_W

ClientSampleId :

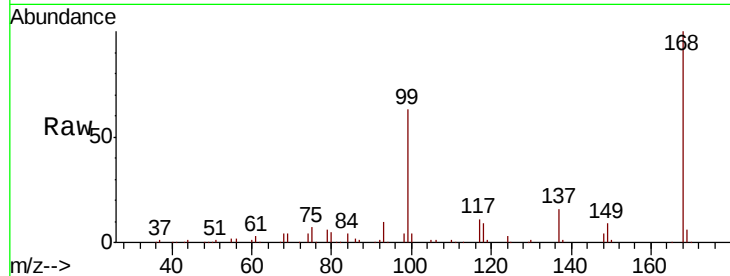
BUS-2-4FT

Tot Ion:168 Resp: 118006

Ion Ratio Lower Upper

168 100

99 62.6 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

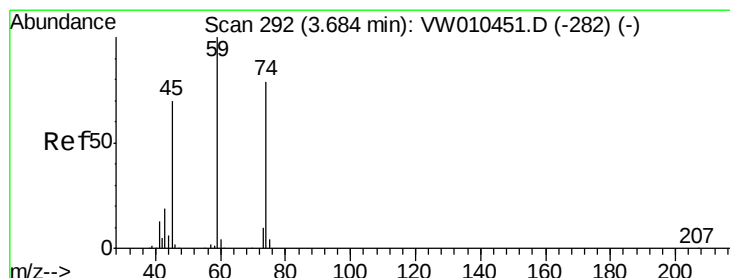
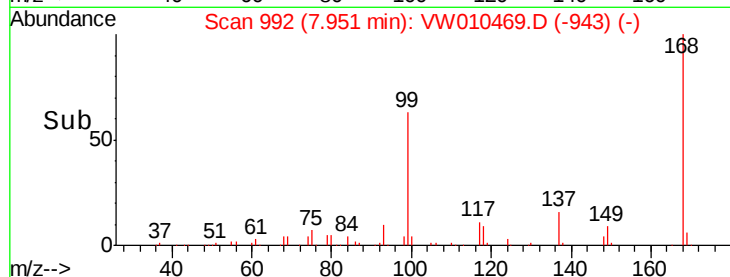
30000

20000

10000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.070 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW010469.D

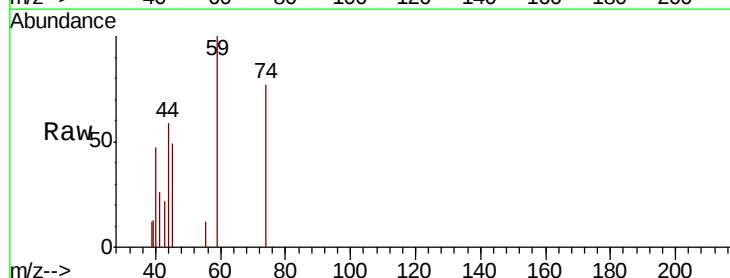
Acq: 21 May 2019 01:27

Tgt Ion: 74 Resp: 719

Ion Ratio Lower Upper

74 100

45 95.4 42.9 128.5



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

400

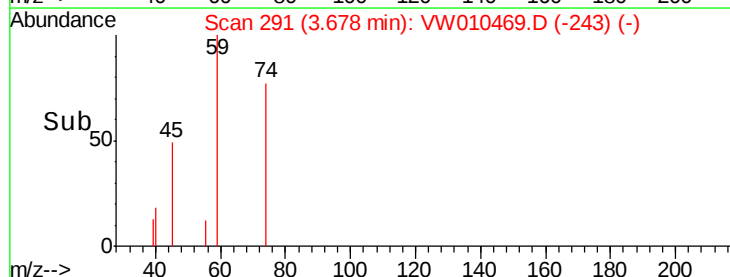
300

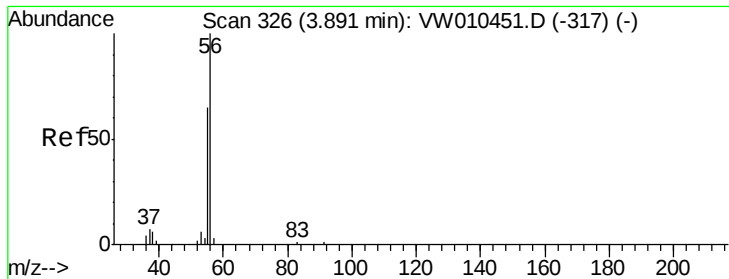
200

100

0

Time--> 3.65 3.70 3.75





#13

Acrolein

Concen: Below Cal

RT: 3.86 min Scan# 321

Delta R.T. -0.03 min

Lab File: VW010469.D

Acq: 21 May 2019 01:27

Instrument :

MSVOA_W

ClientSampleId :

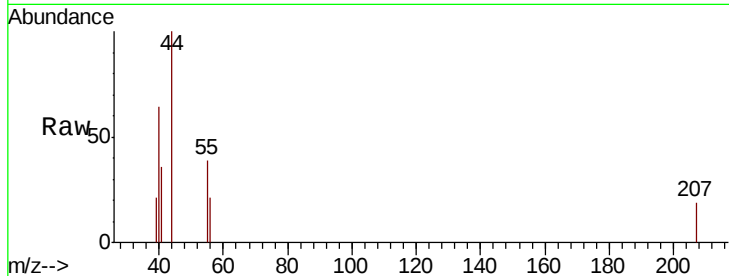
BUS-2-4FT

Tot Ion: 56 Resp: 20

Ion Ratio Lower Upper

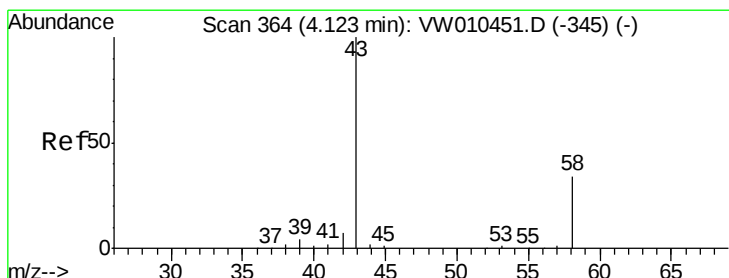
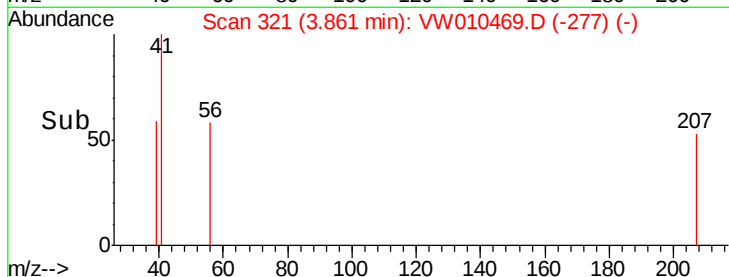
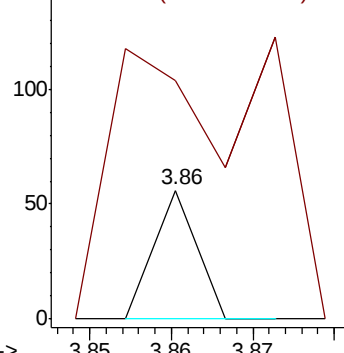
56 100

55 1010.0 57.9 86.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 99.937 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010469.D

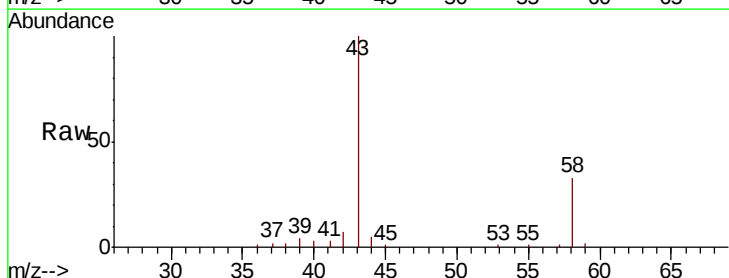
Acq: 21 May 2019 01:27

Tgt Ion: 43 Resp: 24847

Ion Ratio Lower Upper

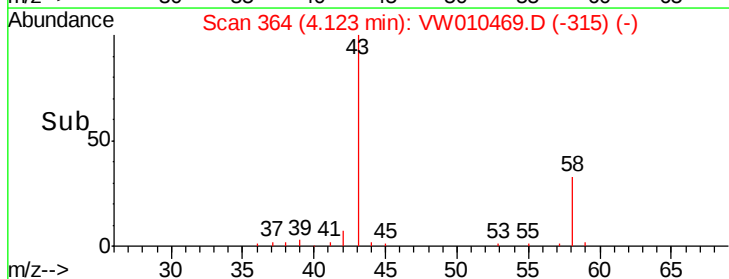
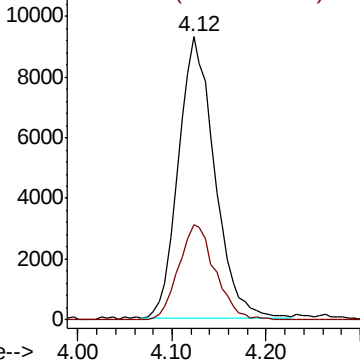
43 100

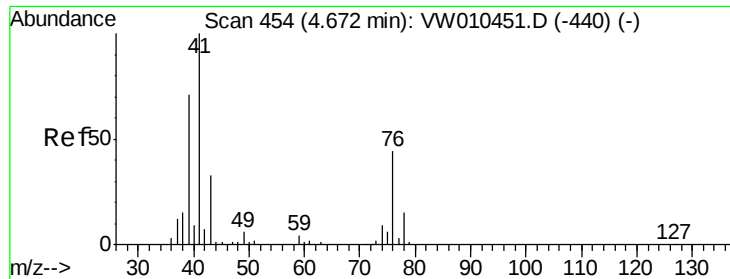
58 33.6 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

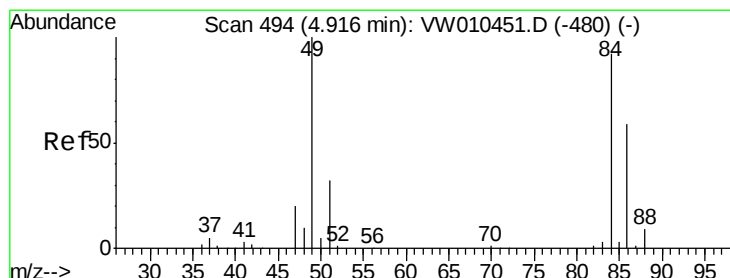
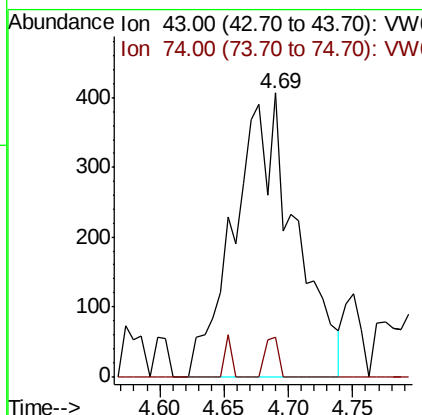
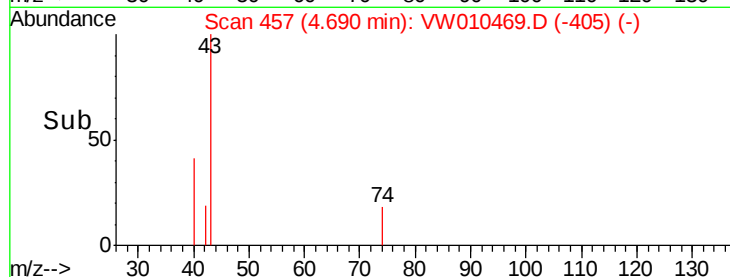
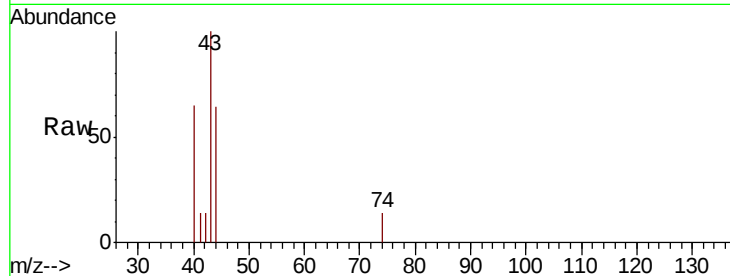




#18
Methyl Acetate
Concen: 2.181 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.02 min
Lab File: VW010469.D
Acq: 21 May 2019 01:27

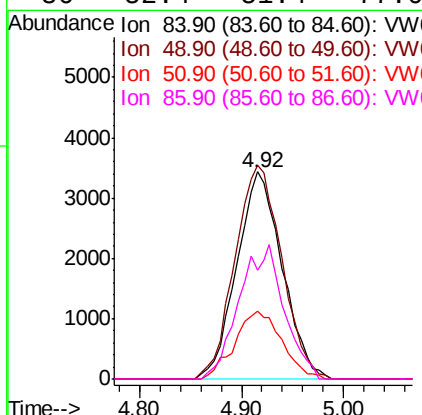
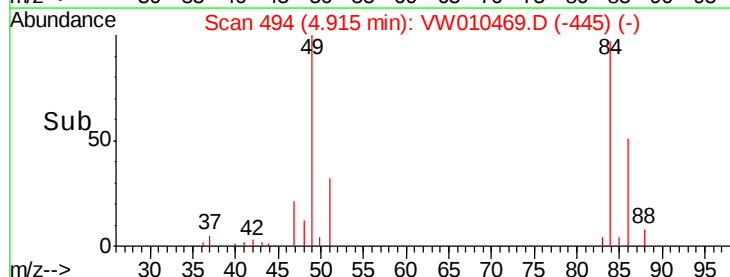
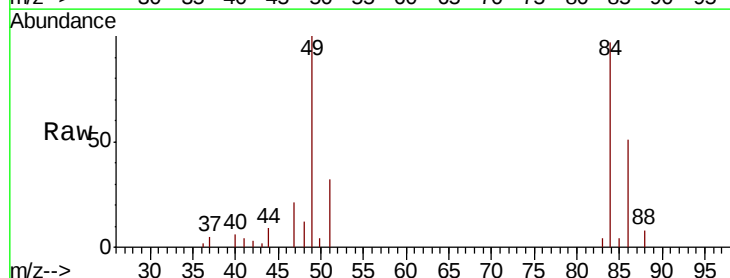
Instrument :
MSVOA_W
ClientSampleId :
BUS-2-4FT

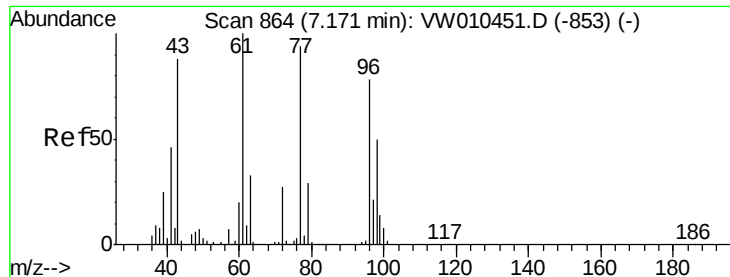
Tot Ion: 43 Resp: 1326
Ion Ratio Lower Upper
43 100
74 3.0 21.6 32.4#



#20
Methylene Chloride
Concen: 2.443 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010469.D
Acq: 21 May 2019 01:27

Tgt Ion: 84 Resp: 10600
Ion Ratio Lower Upper
84 100
49 103.3 87.2 130.8
51 33.0 27.7 41.5
86 52.4 51.4 77.0





#25

2-Butanone

Concen: 10.084 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010469.D

Acq: 21 May 2019 01:27

Instrument :

MSVOA_W

ClientSampled :

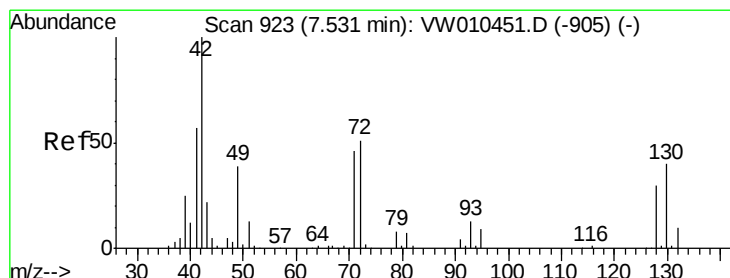
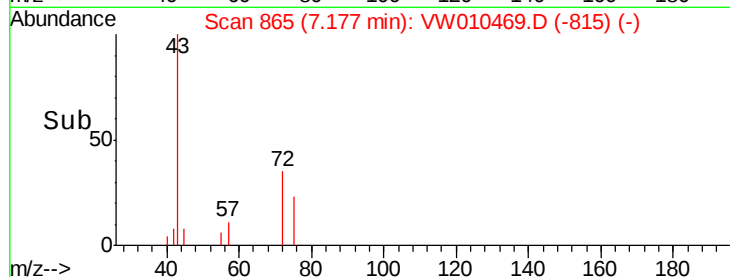
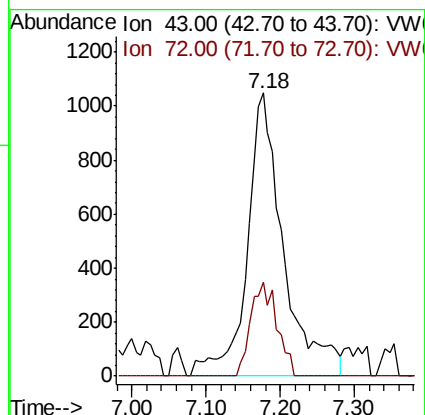
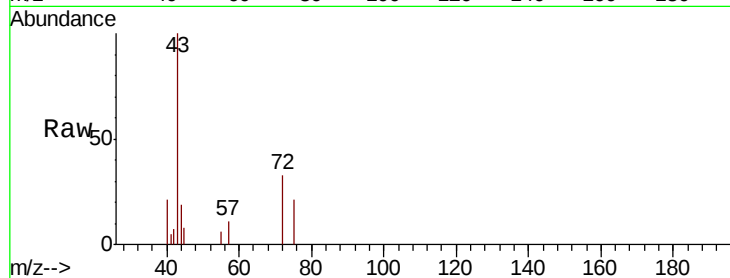
BUS-2-4FT

Tot Ion: 43 Resp: 3588

Ion Ratio Lower Upper

43 100

72 33.2 24.1 36.1



#29

Tetrahydrofuran

Concen: 1.404 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW010469.D

Acq: 21 May 2019 01:27

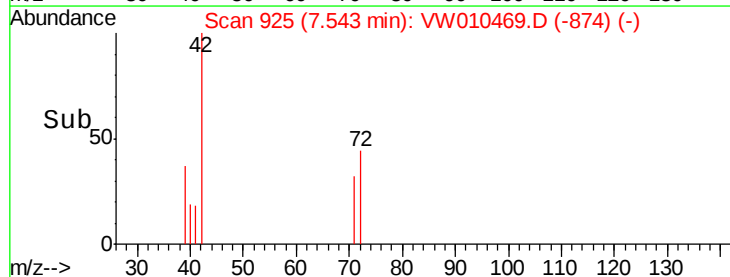
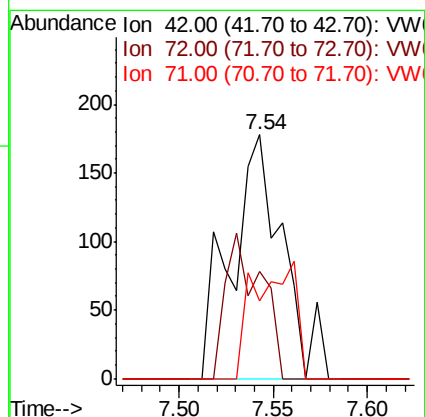
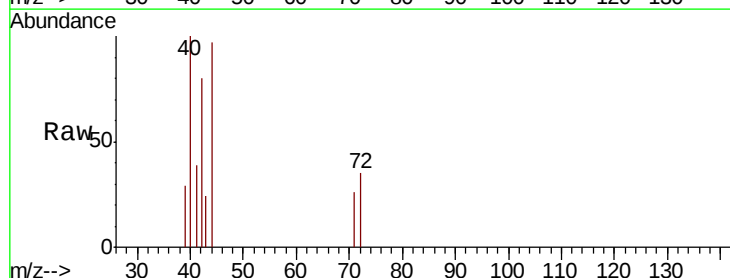
Tgt Ion: 42 Resp: 338

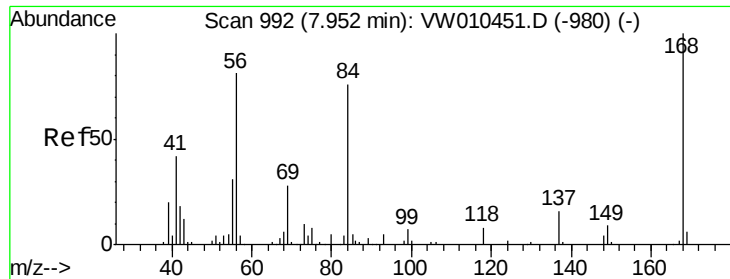
Ion Ratio Lower Upper

42 100

72 41.1 38.5 57.7

71 0.0 36.5 54.7#

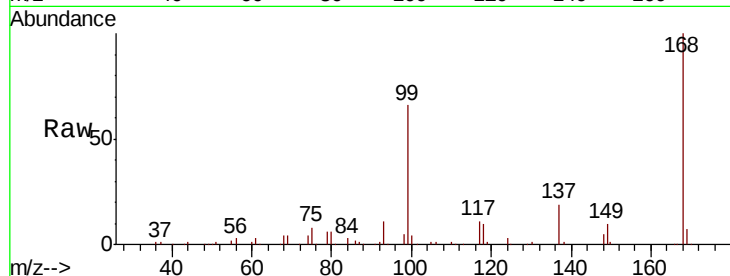




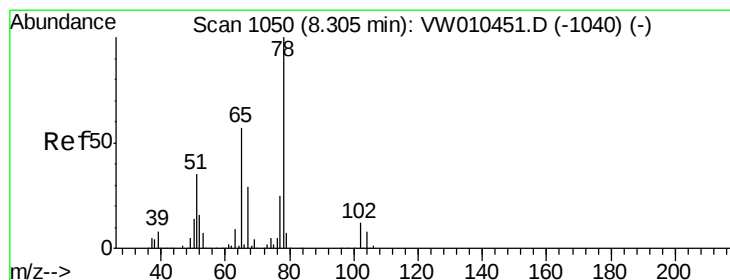
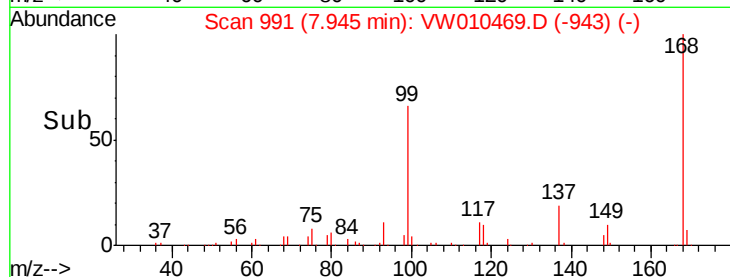
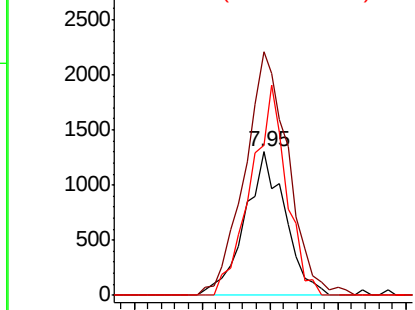
#31
Cyclohexane
Concen: 1.168 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010469.D
Acq: 21 May 2019 01:27

Instrument :
MSVOA_W
ClientSampleId :
BUS-2-4FT

Tot Ion: 56 Resp: 2701
Ion Ratio Lower Upper
56 100
69 170.0 28.2 42.2#
84 105.0 75.8 113.8

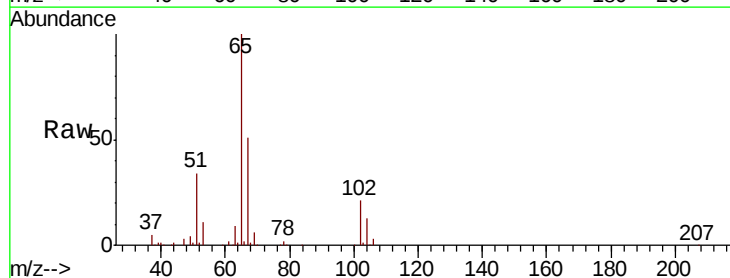


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

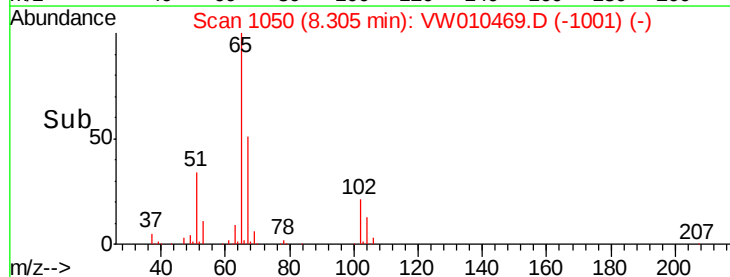
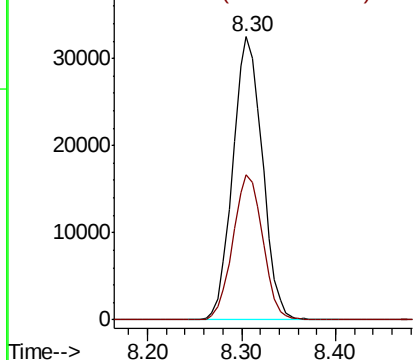


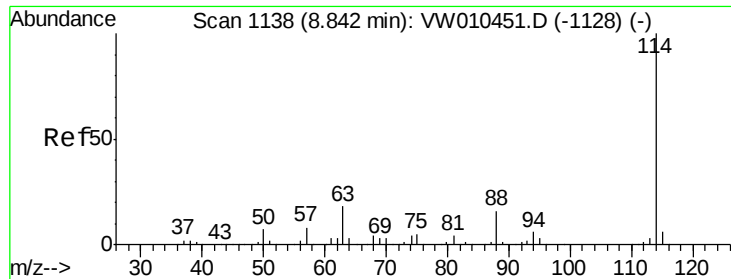
#33
1,2-Dichloroethane-d4
Concen: 58.400 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010469.D
Acq: 21 May 2019 01:27

Tgt Ion: 65 Resp: 71133
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

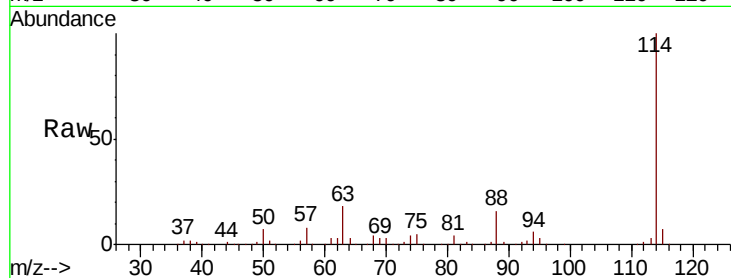




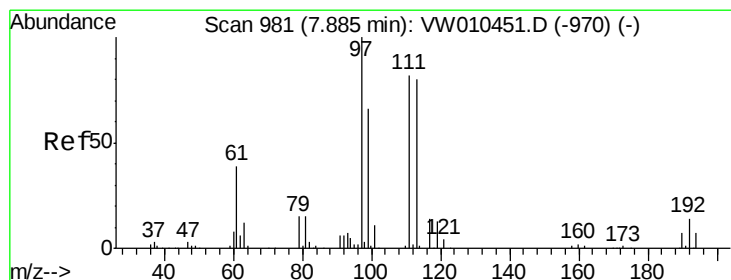
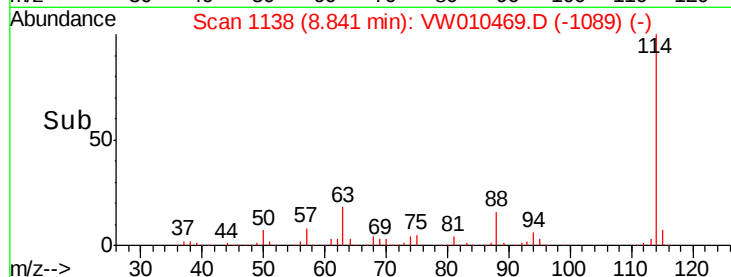
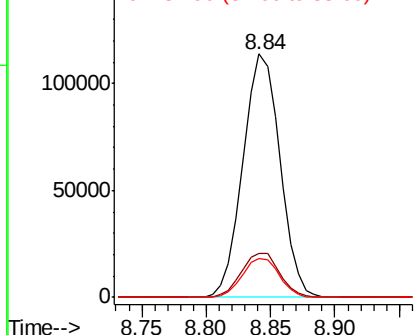
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010469.D
 Acq: 21 May 2019 01:27

Instrument :
 MSVOA_W
 ClientSampleId :
 BUS-2-4FT

Tot Ion:114 Resp: 226871
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 36.0
 88 16.0 0.0 32.0

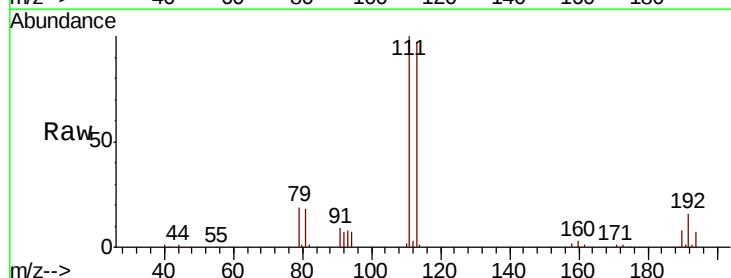


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

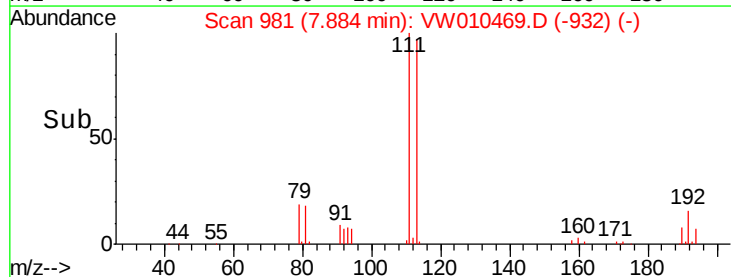
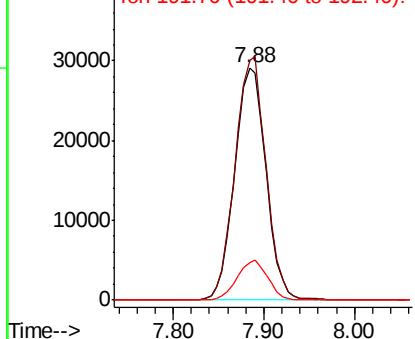


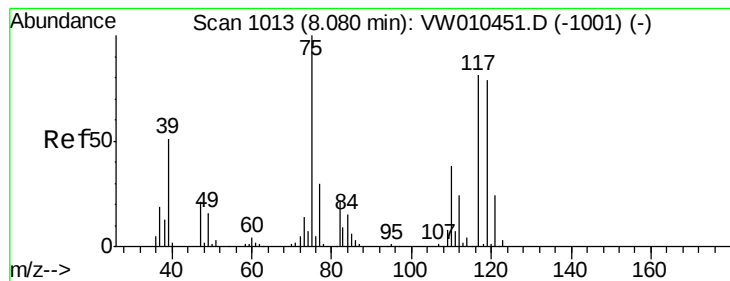
#35
 Dibromofluoromethane
 Concen: 50.863 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010469.D
 Acq: 21 May 2019 01:27

Tgt Ion:113 Resp: 70018
 Ion Ratio Lower Upper
 113 100
 111 103.3 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

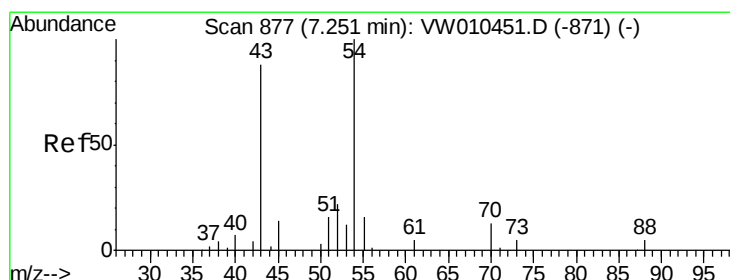
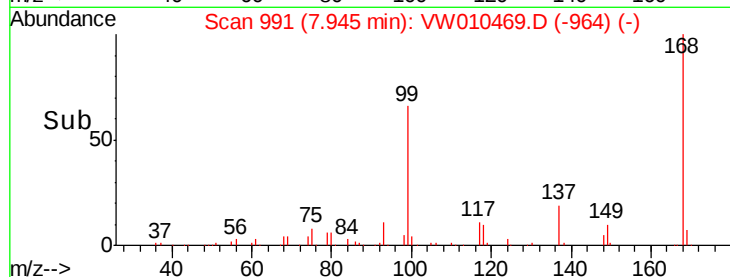
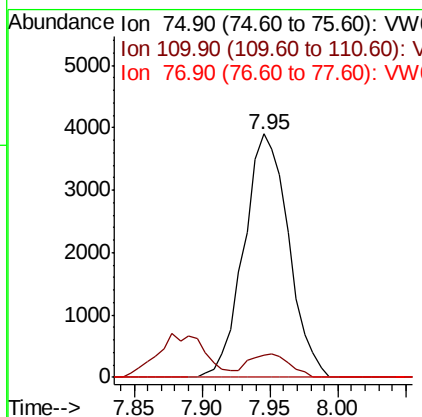
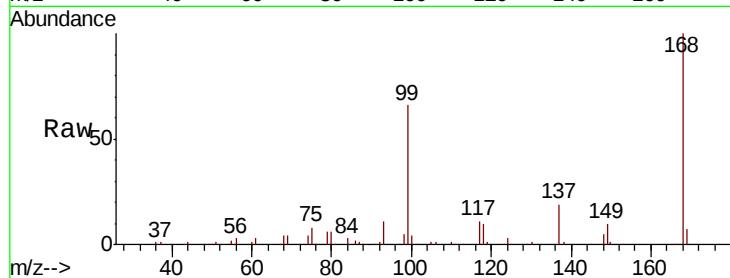




#36
 1,1-Dichloropropene
 Concen: 4.232 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010469.D
 Acq: 21 May 2019 01:27

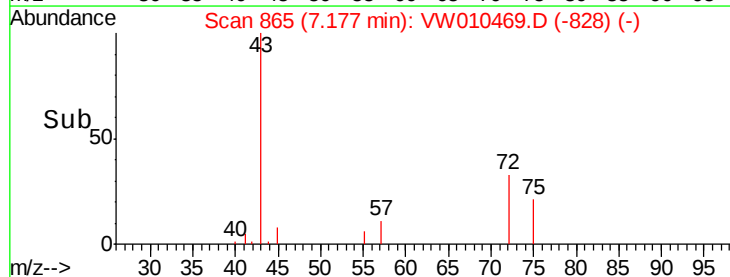
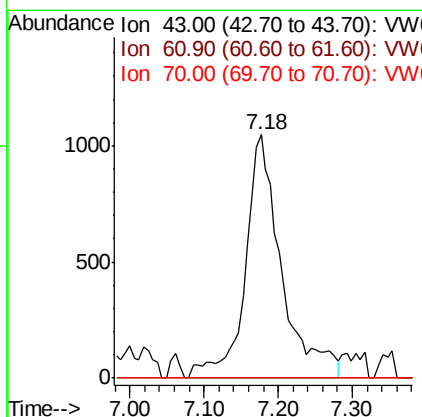
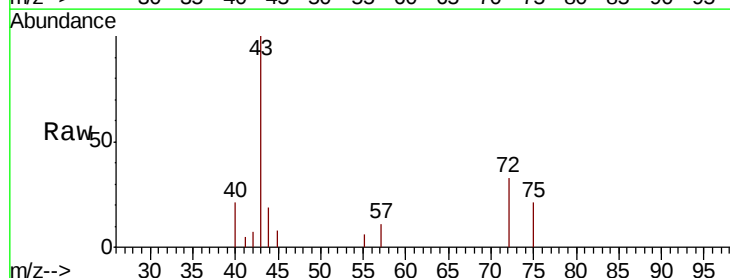
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 BUS-2-4FT

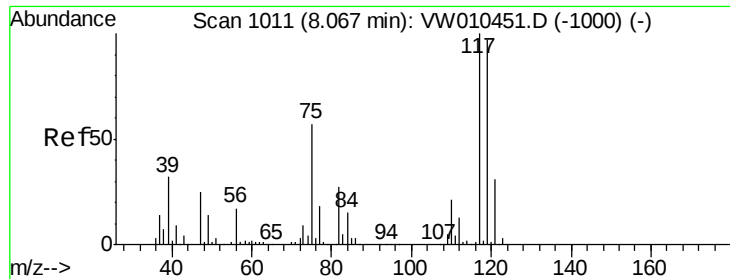
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	19.2	57.6#
77	0.0	25.2	37.8#



#37
 Ethyl Acetate
 Concen: 3.992 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW010469.D
 Acq: 21 May 2019 01:27

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	9.9	14.9#

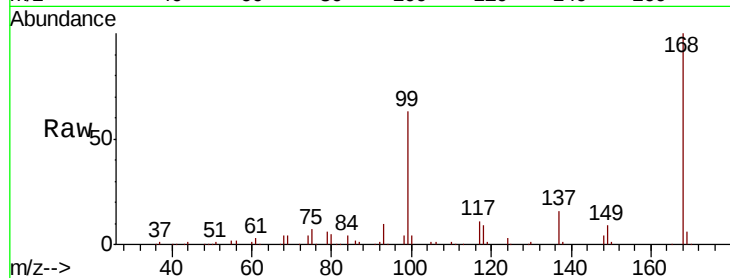




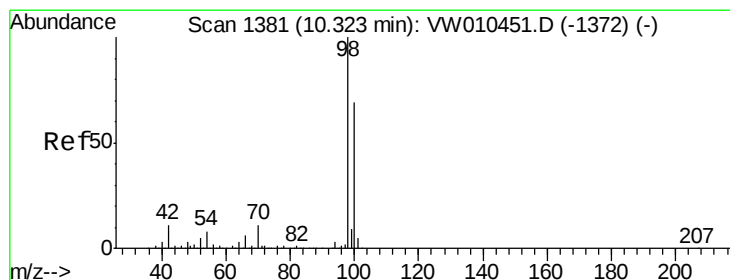
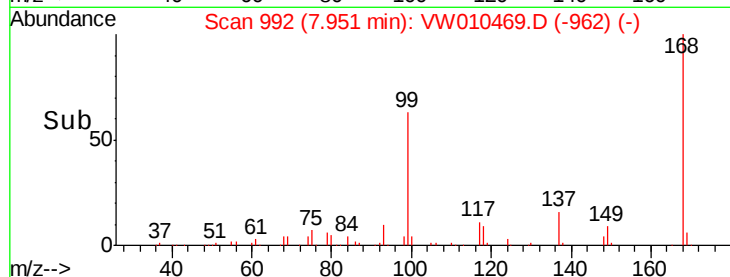
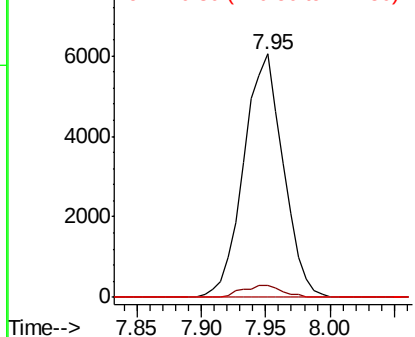
#38
Carbon Tetrachloride
Concen: 5.635 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW010469.D
Acq: 21 May 2019 01:27

Instrument :
MSVOA_W
ClientSampleId :
BUS-2-4FT

Tot Ion:117 Resp: 12847
Ion Ratio Lower Upper
117 100
119 4.7 77.4 116.0#
121 0.0 25.0 37.6#

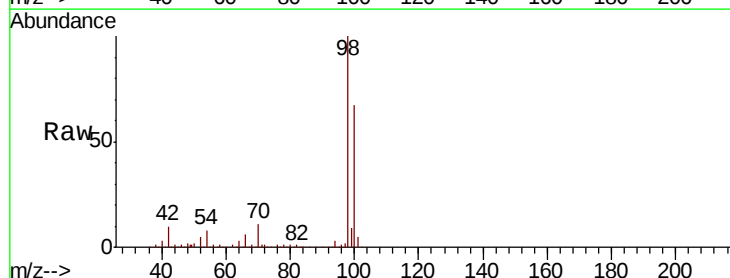


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

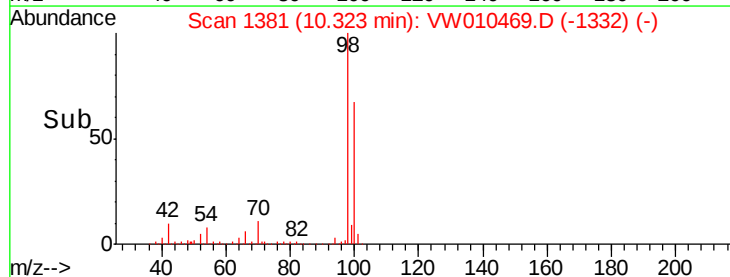
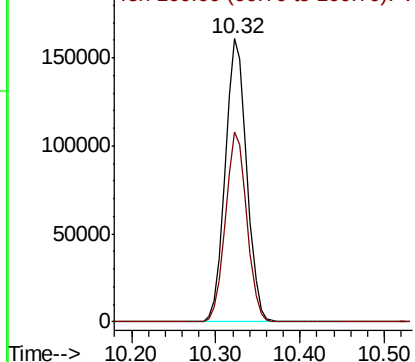


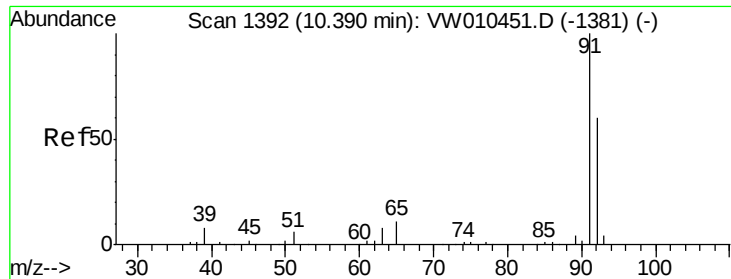
#50
Toluene-d8
Concen: 53.424 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010469.D
Acq: 21 May 2019 01:27

Tgt Ion: 98 Resp: 280955
Ion Ratio Lower Upper
98 100
100 66.9 53.7 80.5



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





#52

Toluene

Concen: 4.510 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010469.D

Acq: 21 May 2019 01:27

Instrument :

MSVOA_W

ClientSampleId :

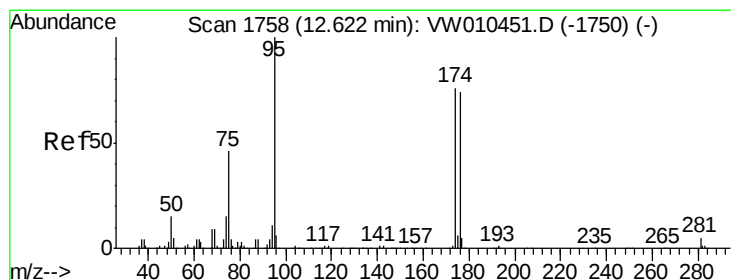
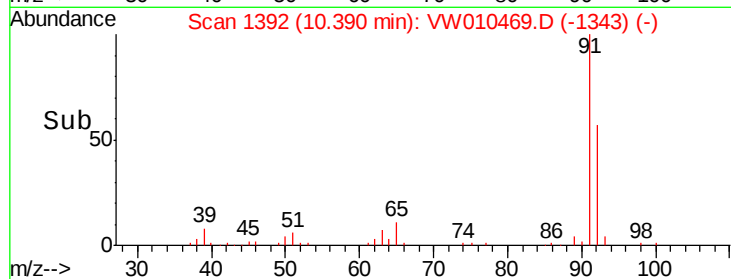
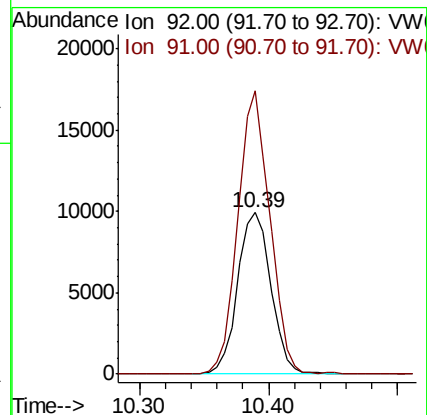
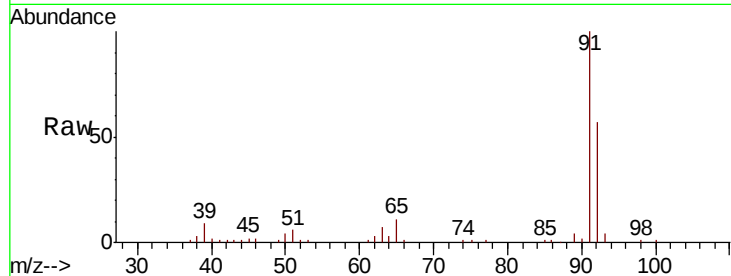
BUS-2-4FT

Tot Ion: 92 Resp: 17793

Ion Ratio Lower Upper

92 100

91 168.5 135.4 203.0



#62

4-Bromofluorobenzene

Concen: 48.772 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010469.D

Acq: 21 May 2019 01:27

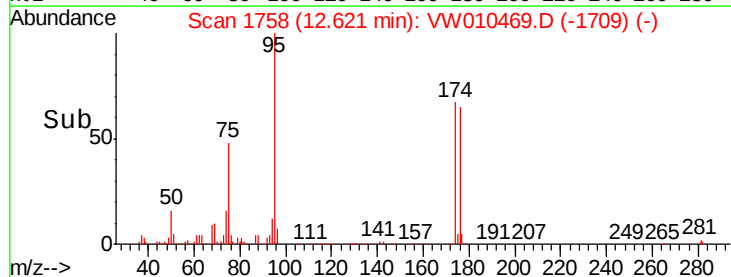
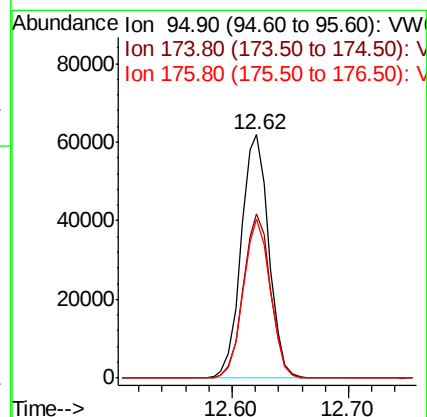
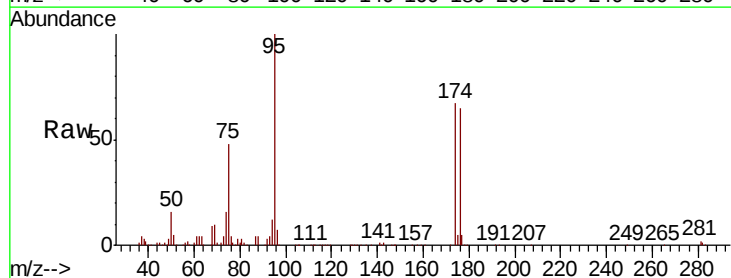
Tgt Ion: 95 Resp: 102164

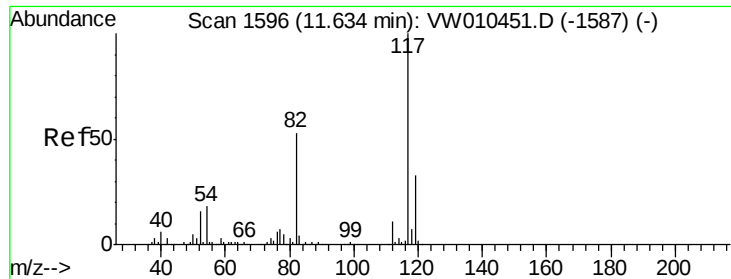
Ion Ratio Lower Upper

95 100

174 66.6 0.0 148.6

176 64.1 0.0 144.2

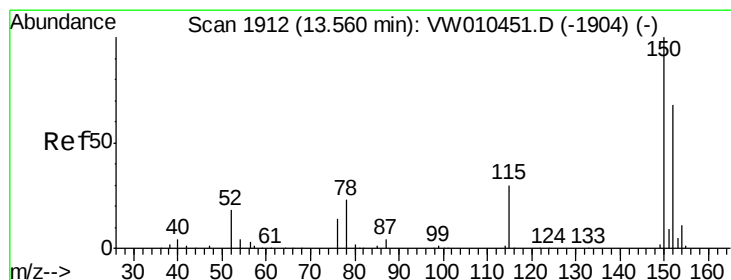
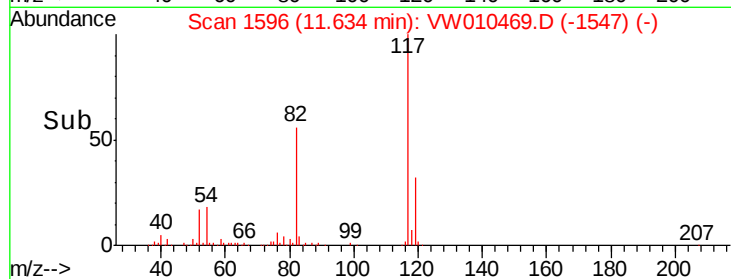
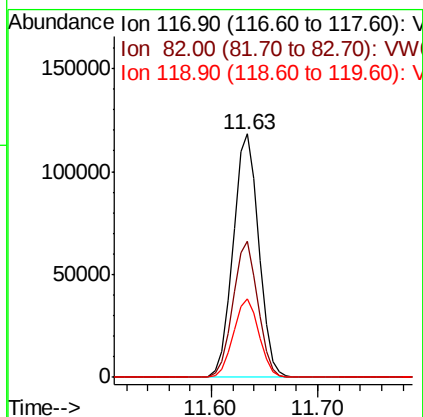
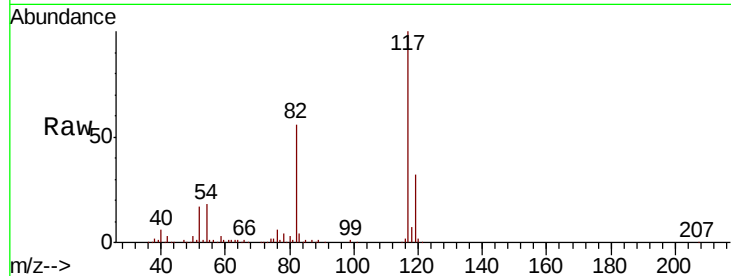




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010469.D
Acq: 21 May 2019 01:27

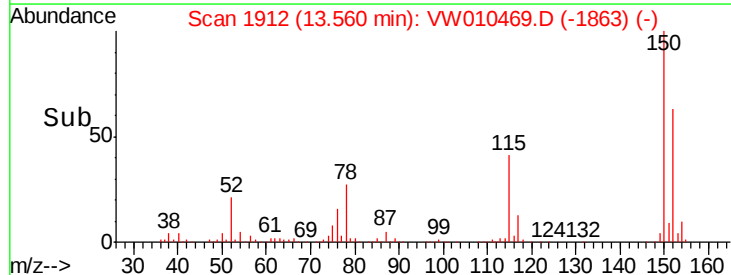
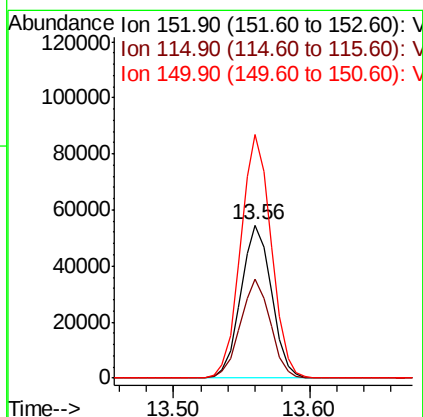
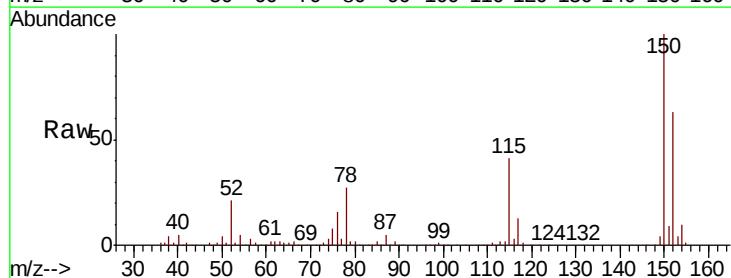
Instrument :
MSVOA_W
ClientSampleId :
BUS-2-4FT

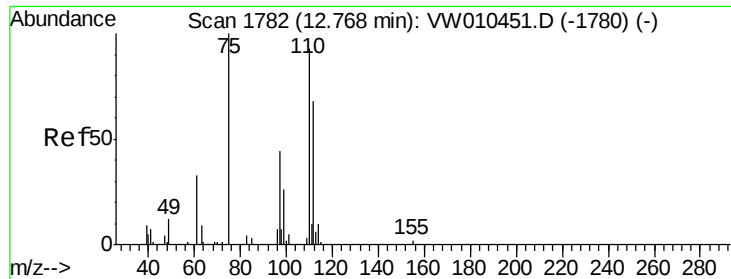
Tot Ion:117 Resp: 199387
Ion Ratio Lower Upper
117 100
82 56.1 42.8 64.2
119 32.3 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010469.D
Acq: 21 May 2019 01:27

Tgt Ion:152 Resp: 86112
Ion Ratio Lower Upper
152 100
115 63.2 30.3 91.0
150 158.1 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 55.299 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010469.D

Acq: 21 May 2019 01:27

Instrument :

MSVOA_W

ClientSampleId :

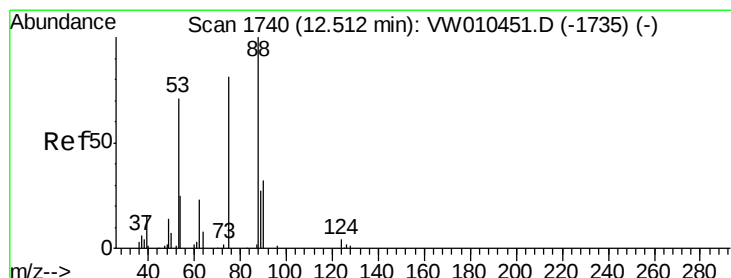
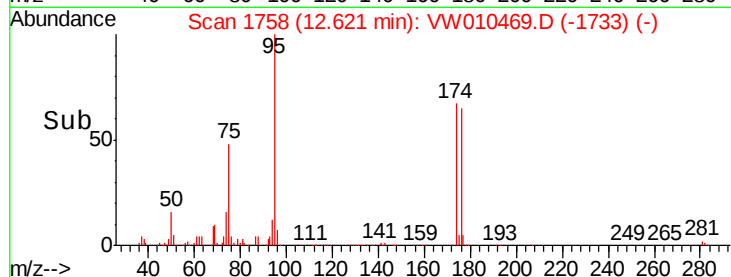
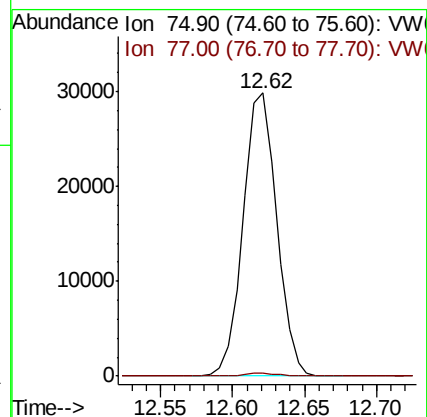
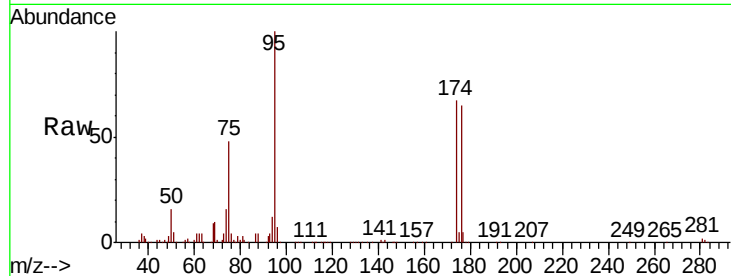
BUS-2-4FT

Tot Ion: 75 Resp: 48336

Ion Ratio Lower Upper

75 100

77 1.0 170.0 510.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 115.410 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010469.D

Acq: 21 May 2019 01:27

Tgt Ion: 75 Resp: 48336

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#

