

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060619\
 Data File : VW010705.D
 Acq On : 06 Jun 2019 13:04
 Operator : SY/VA
 Sample : K3222-02
 Misc : 4.87G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TT-007-IDW/ISO-20190605

Quant Time: Jun 07 07:38:39 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	209947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	361062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	308247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	132262	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	144213	58.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.56%	
35) Dibromofluoromethane	7.88	113	106169	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	
50) Toluene-d8	10.32	98	470081	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
62) 4-Bromofluorobenzene	12.62	95	160040	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	

Target Compounds

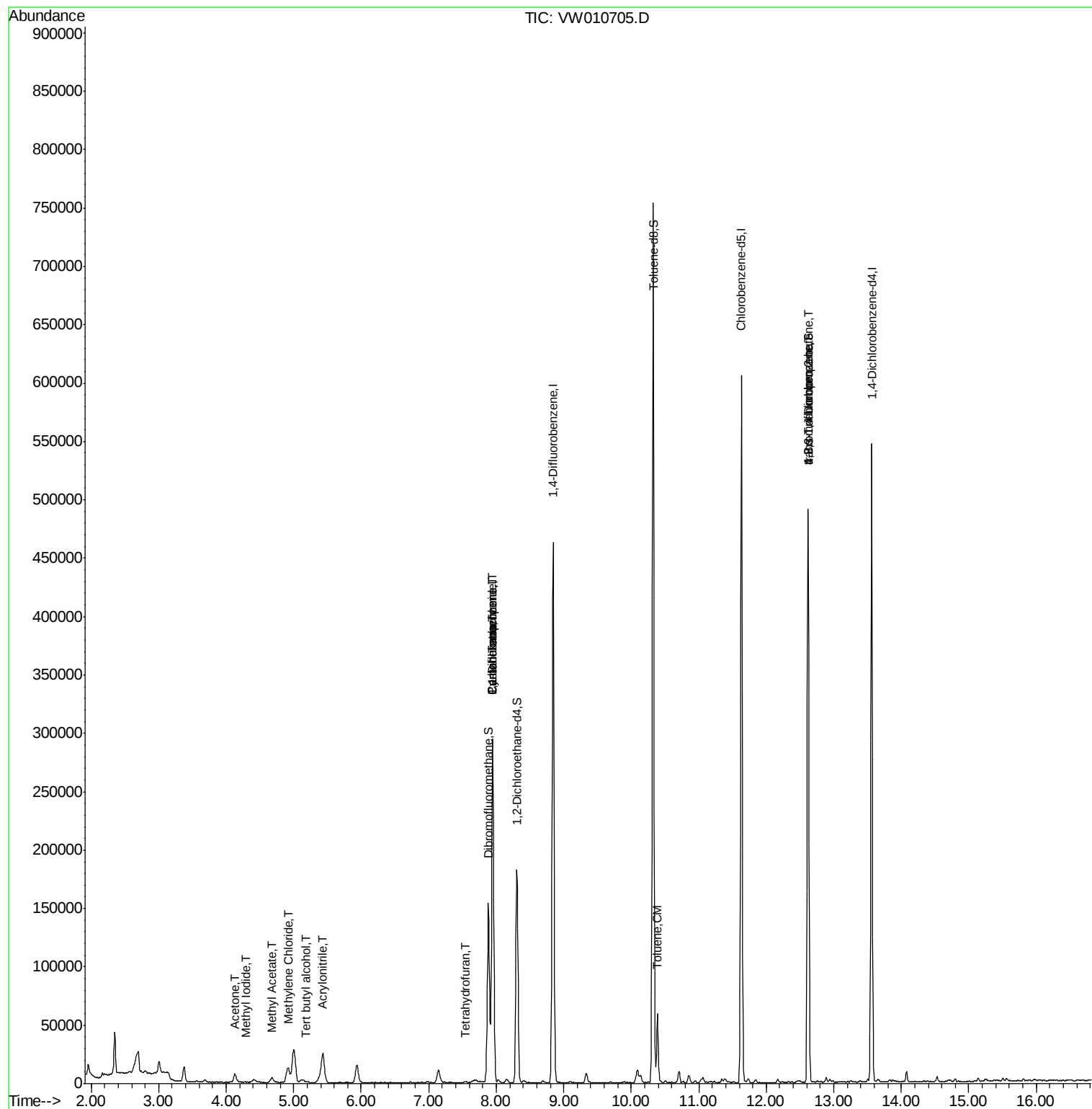
						Qvalue
10) Methyl Iodide	4.28	142	734	5.105	ug/l #	62
11) Tert butyl alcohol	5.18	59	767	3.805	ug/l #	72
15) Acrylonitrile	5.42	53	1249	2.101	ug/l #	27
16) Acetone	4.13	43	13581	20.482	ug/l	99
18) Methyl Acetate	4.68	43	9004	6.308	ug/l	97
20) Methylene Chloride	4.91	84	8501	3.655	ug/l #	87
29) Tetrahydrofuran	7.54	42	751	1.299	ug/l #	78
31) Cyclohexane	7.95	56	7054	1.413	ug/l #	12
36) 1,1-Dichloropropene	7.95	75	17903	4.844	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21332	6.686	ug/l #	18
52) Toluene	10.39	92	23729	3.825	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	86840	62.523	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86840	143.698	ug/l #	5

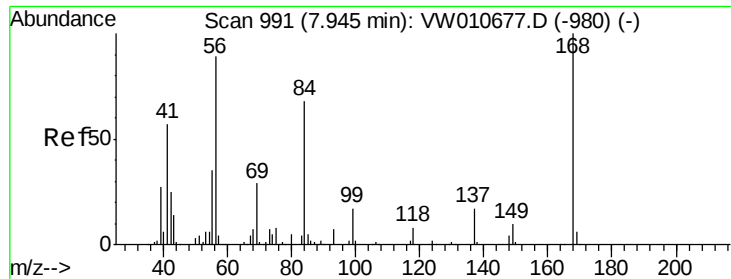
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW060619\
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Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010705.D

Acq: 06 Jun 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

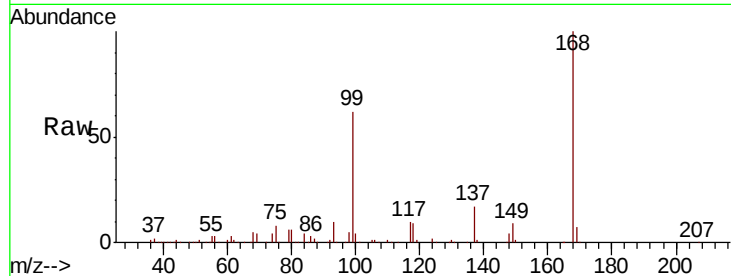
TT-007-IDW/ISO-20190605

Tot Ion:168 Resp: 209947

Ion Ratio Lower Upper

168 100

99 61.7 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

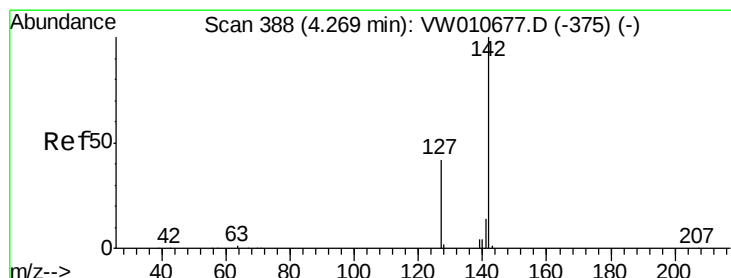
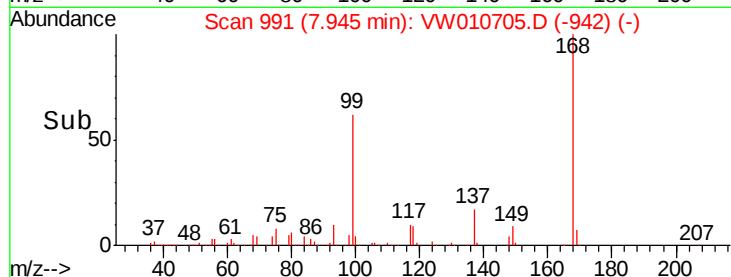
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 5.105 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW010705.D

Acq: 06 Jun 2019 13:04

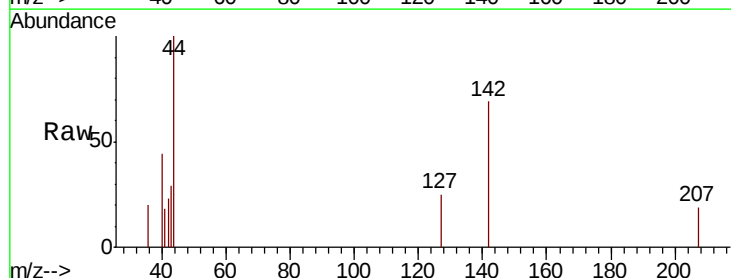
Tgt Ion:142 Resp: 734

Ion Ratio Lower Upper

142 100

127 18.3 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

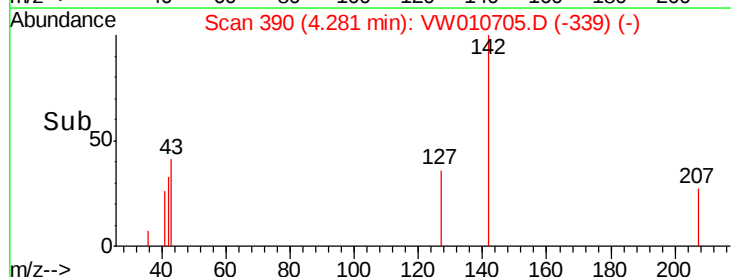
300

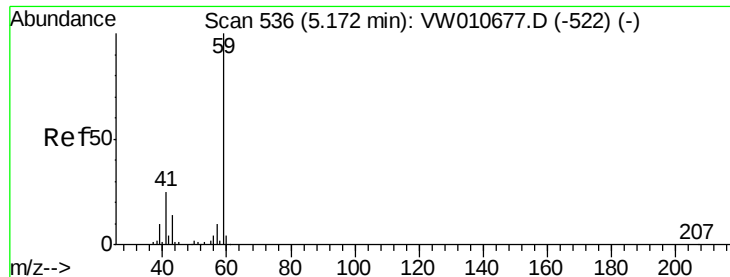
200

100

0

Time-->



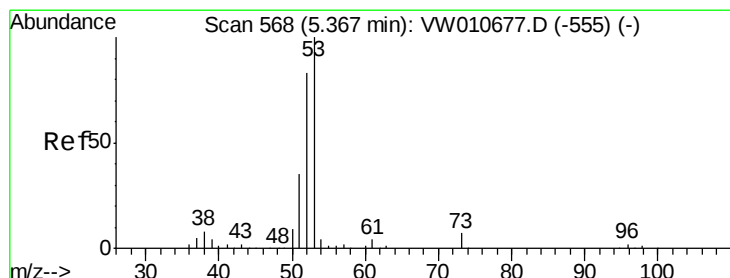
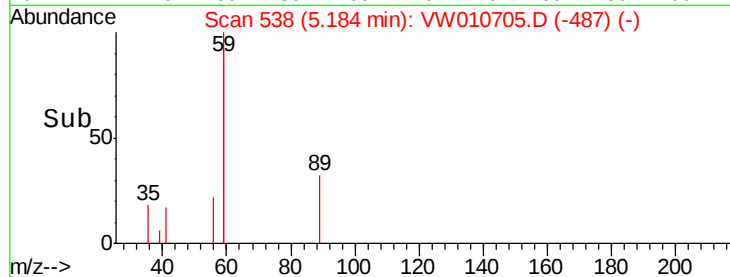
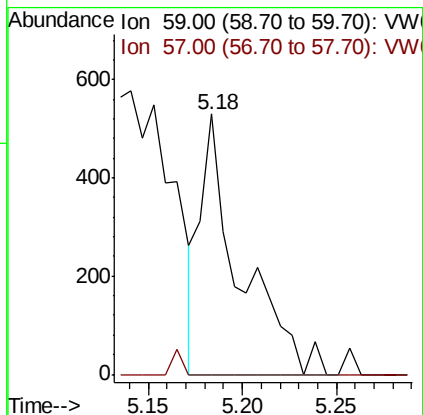
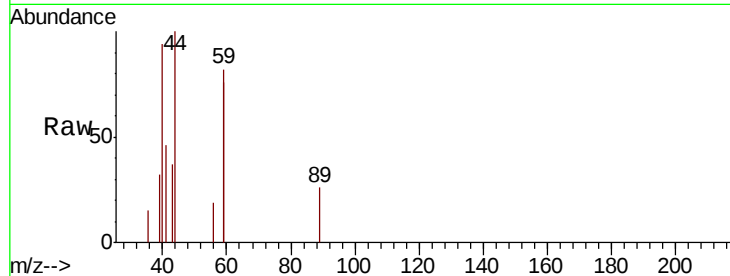


#11

Tert butyl alcohol
 Concen: 3.805 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW010705.D
 Acq: 06 Jun 2019 13:04

Instrument :
 MSVOA_W
 ClientSampleId :
 TT-007-IDW/ISO-20190605

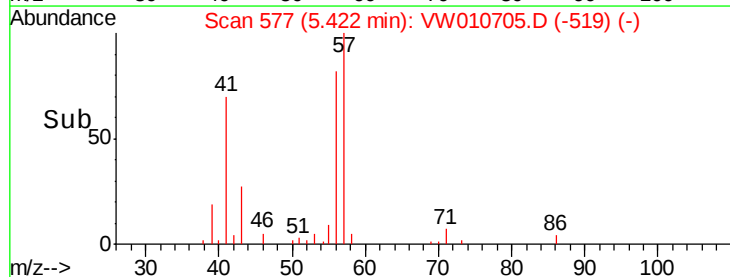
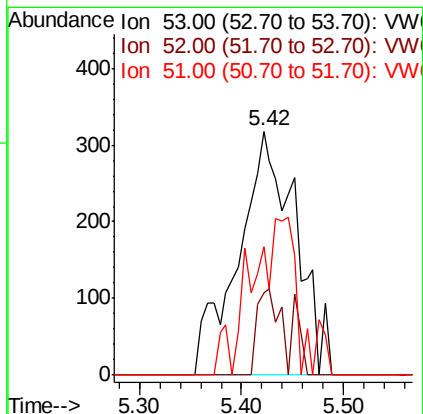
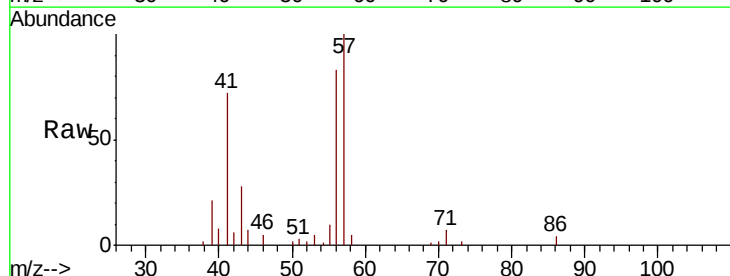
Tot Ion: 59 Resp: 767
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

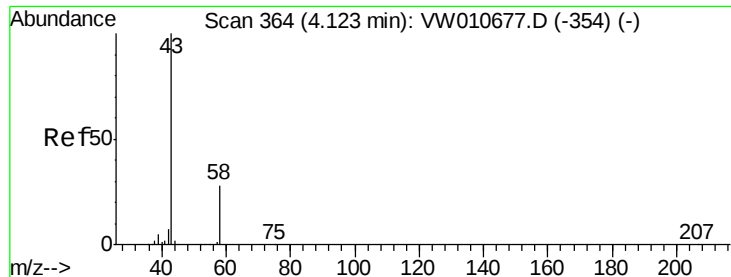


#15

Acrylonitrile
 Concen: 2.101 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.05 min
 Lab File: VW010705.D
 Acq: 06 Jun 2019 13:04

Tgt Ion: 53 Resp: 1249
 Ion Ratio Lower Upper
 53 100
 52 13.7 66.6 100.0#
 51 0.0 29.8 44.8#





#16

Acetone

Concen: 20.482 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010705.D

Acq: 06 Jun 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

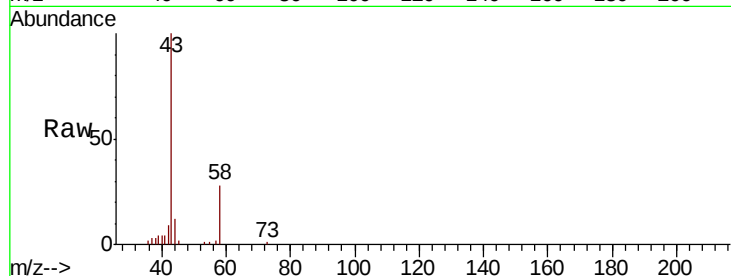
TT-007-IDWSO-20190605

Tot Ion: 43 Resp: 13581

Ion Ratio Lower Upper

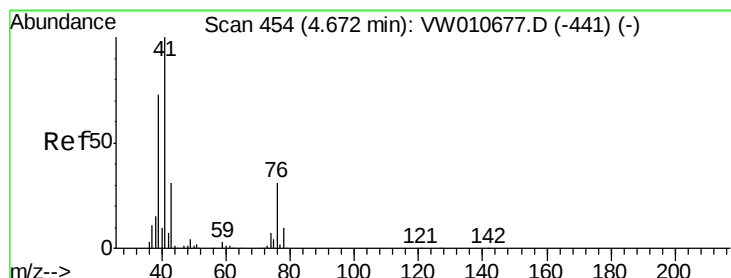
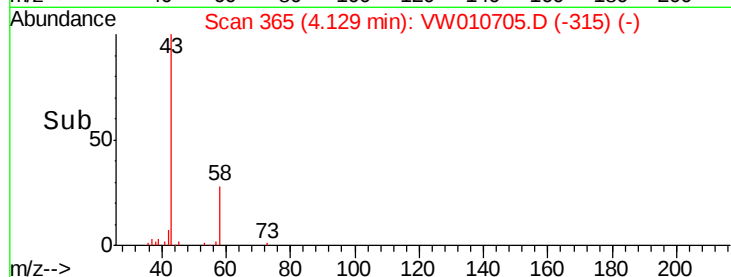
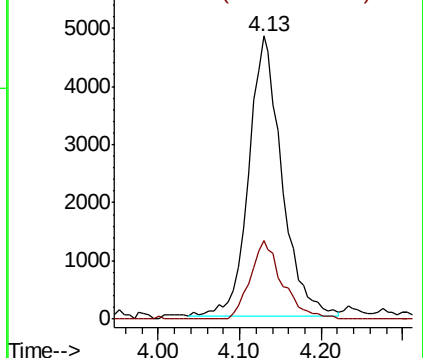
43 100

58 27.9 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 6.308 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW010705.D

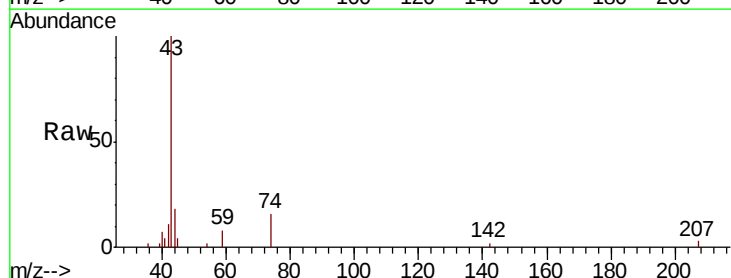
Acq: 06 Jun 2019 13:04

Tgt Ion: 43 Resp: 9004

Ion Ratio Lower Upper

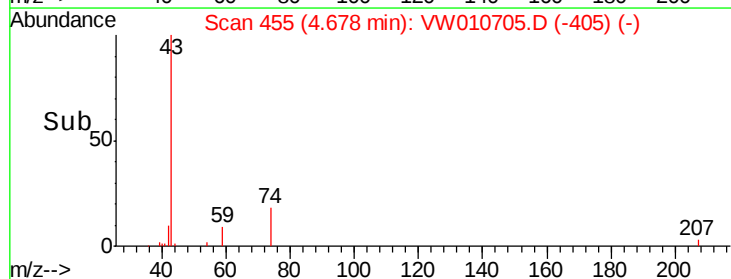
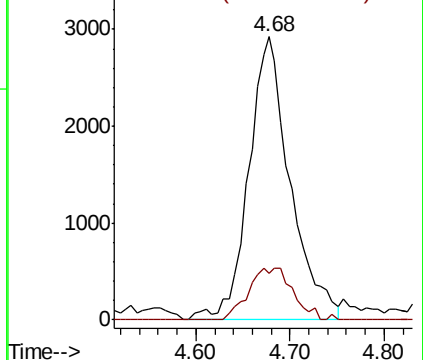
43 100

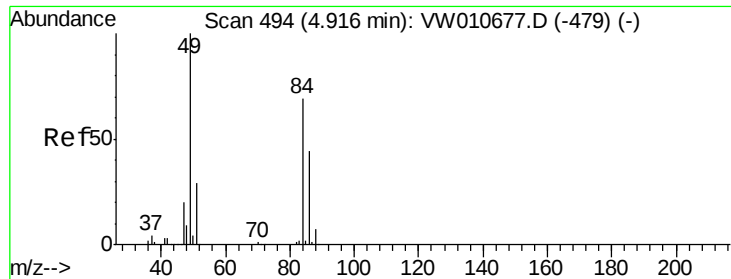
74 19.6 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#20

Methylene Chloride

Concen: 3.655 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW010705.D

Acq: 06 Jun 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

TT-007-IDW/ISO-20190605

Tot Ion: 84 Resp: 8501

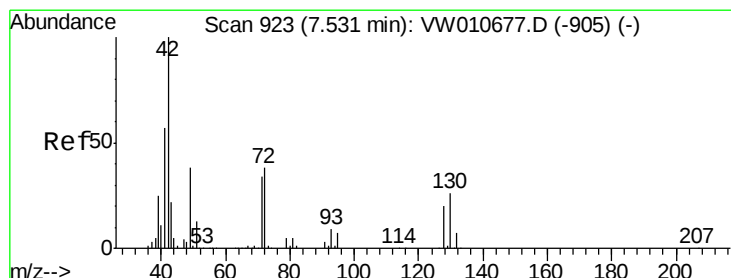
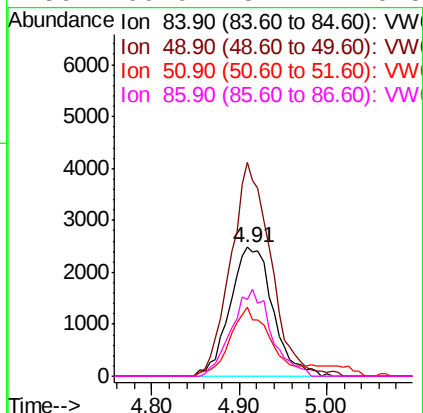
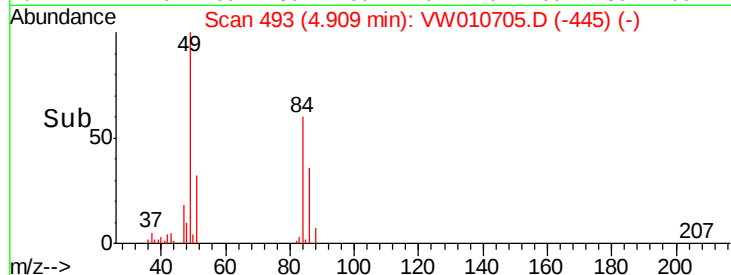
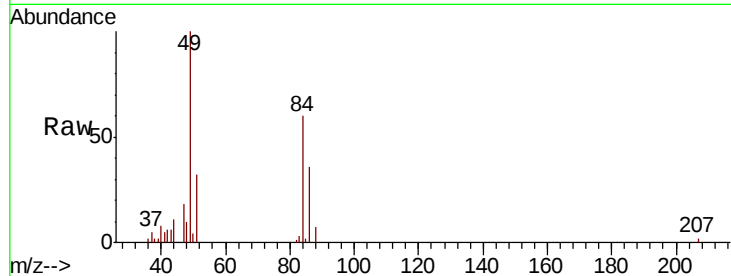
Ion Ratio Lower Upper

84 100

49 165.7 116.7 175.1

51 53.3 34.2 51.2#

86 60.0 51.2 76.8



#29

Tetrahydrofuran

Concen: 1.299 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW010705.D

Acq: 06 Jun 2019 13:04

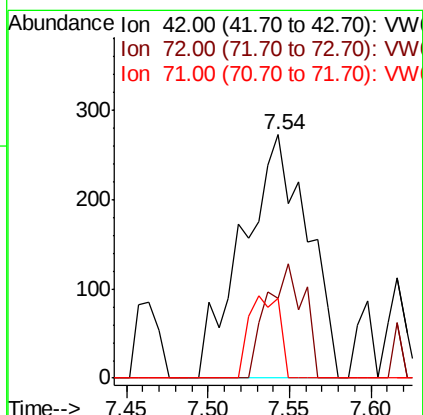
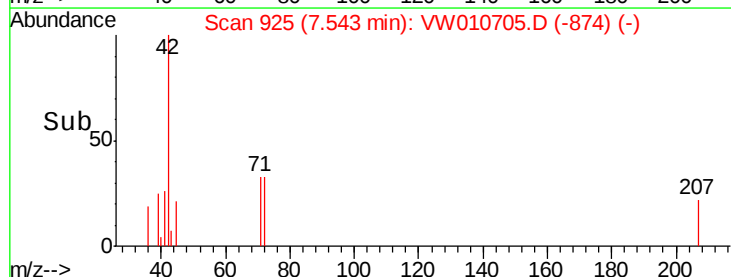
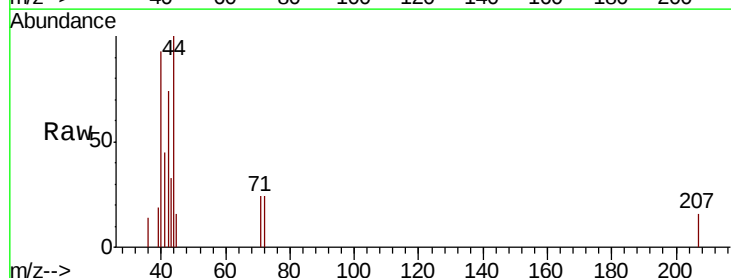
Tgt Ion: 42 Resp: 751

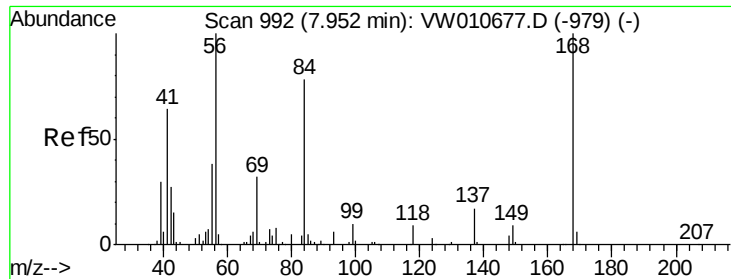
Ion Ratio Lower Upper

42 100

72 27.0 28.7 43.1#

71 16.1 26.6 39.8#

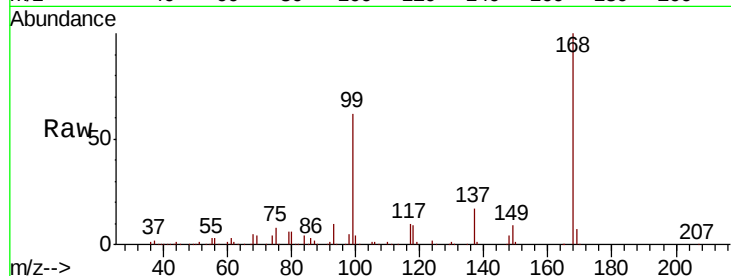




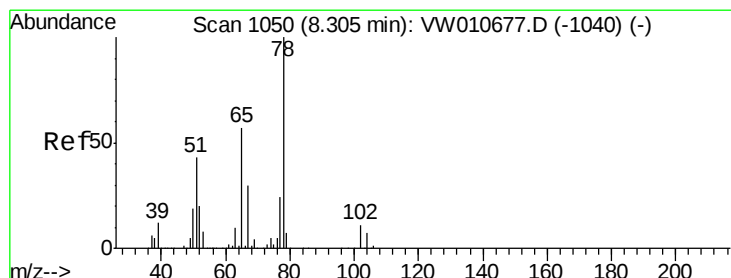
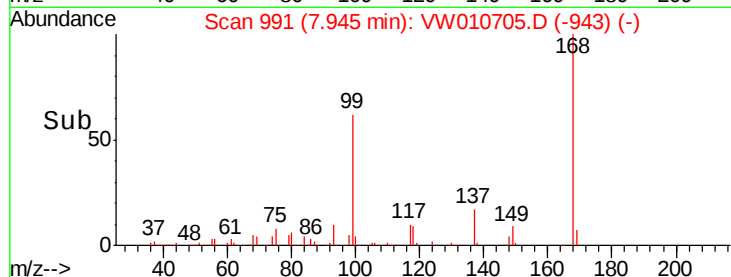
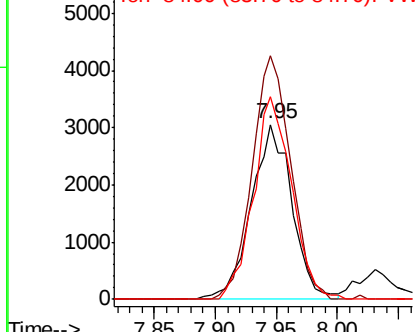
#31
Cyclohexane
Concen: 1.413 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010705.D
Acq: 06 Jun 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
TT-007-IDWSO-20190605

Tot Ion: 56 Resp: 7054
Ion Ratio Lower Upper
56 100
69 139.6 25.2 37.8#
84 116.1 62.2 93.2#

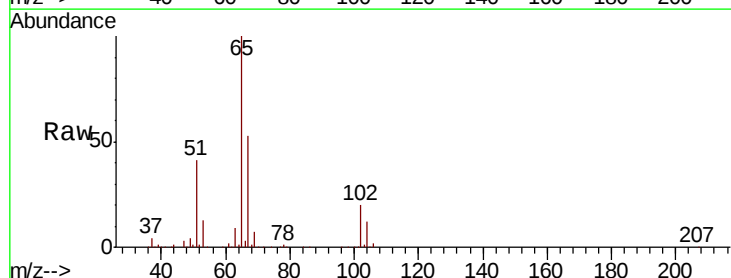


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

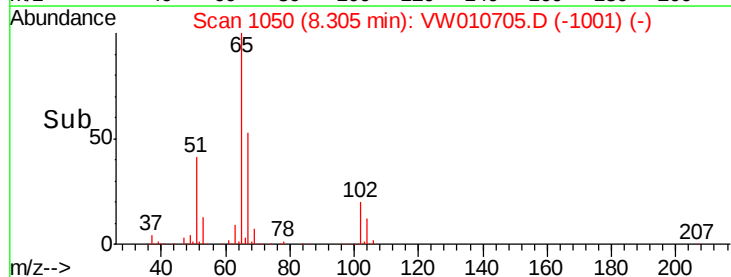
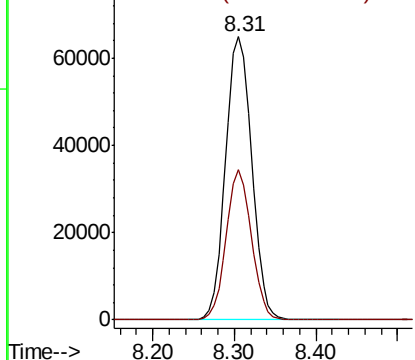


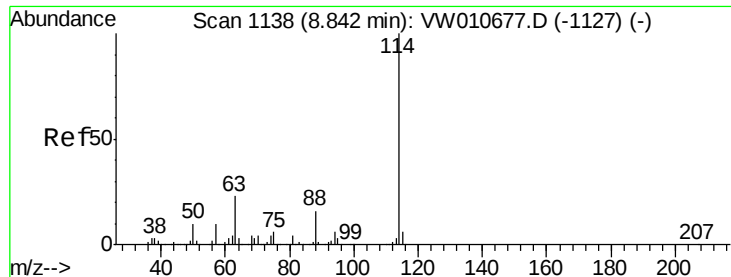
#33
1,2-Dichloroethane-d4
Concen: 58.278 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010705.D
Acq: 06 Jun 2019 13:04

Tgt Ion: 65 Resp: 144213
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.6



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

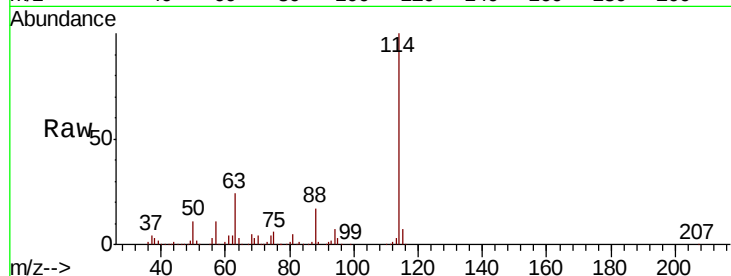




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW010705.D
Acq: 06 Jun 2019 13:04

Instrument :
MSVOA_W
ClientSampleId :
TT-007-IDW/ISO-20190605

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	46.4
88	17.1	0.0	32.2

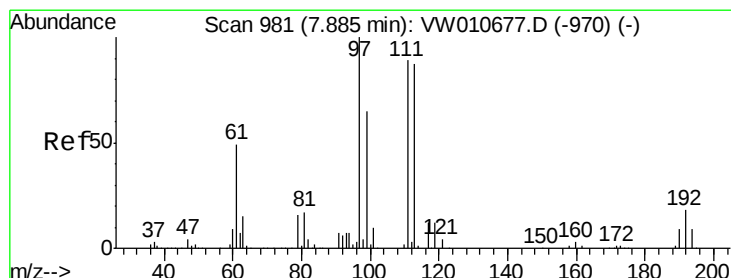
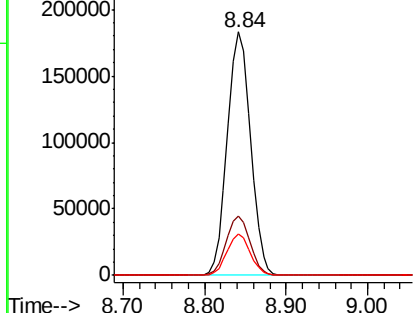
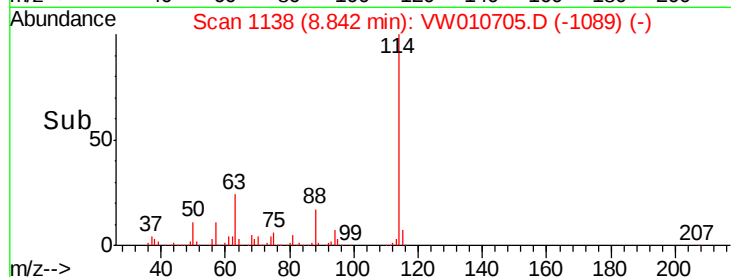


Abundance

Ion 113.90 (113.60 to 114.60): V

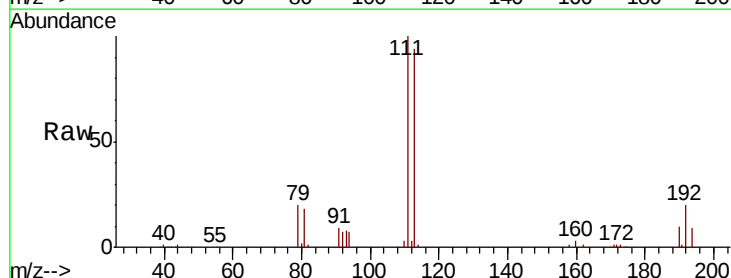
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
Dibromofluoromethane
Concen: 54.174 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW010705.D
Acq: 06 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.6	123.8
192	19.8	16.4	24.6

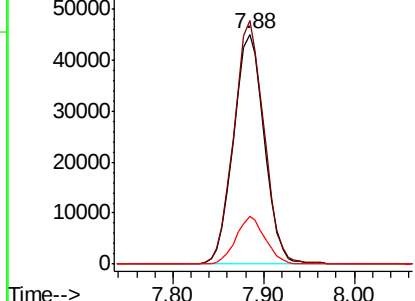
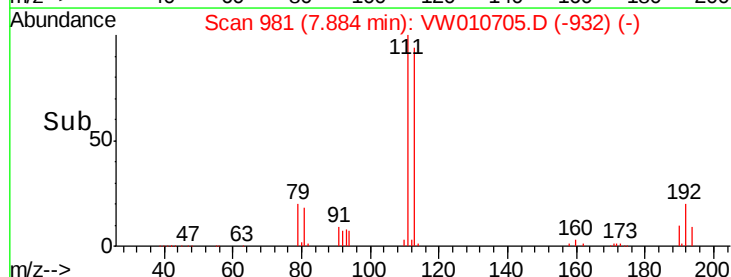


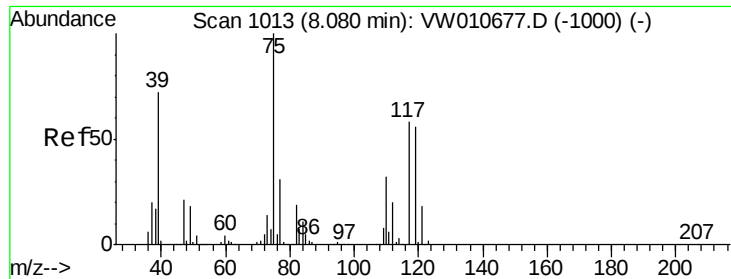
Abundance

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

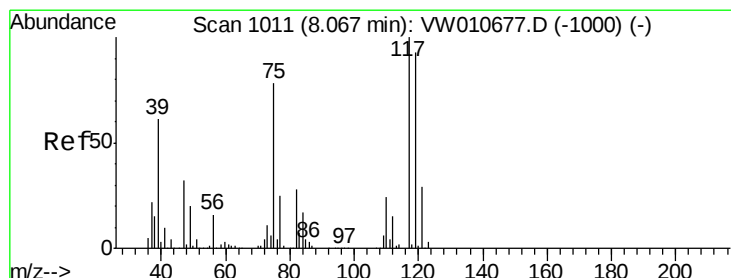
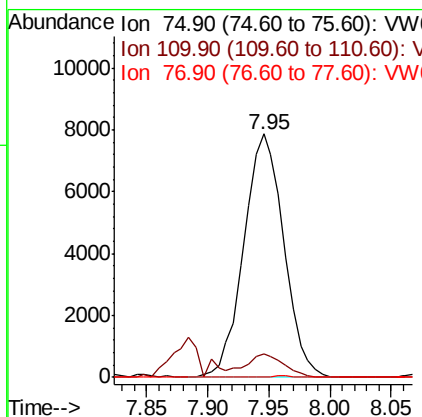
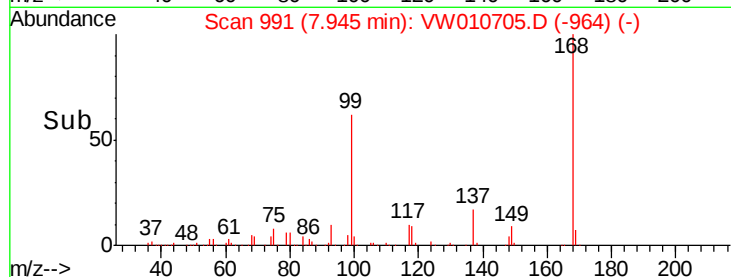
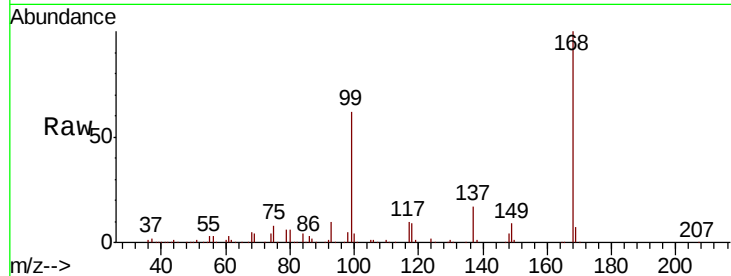




#36
 1,1-Dichloropropene
 Concen: 4.844 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010705.D
 Acq: 06 Jun 2019 13:04

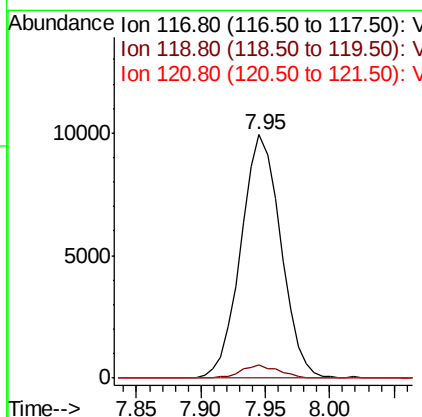
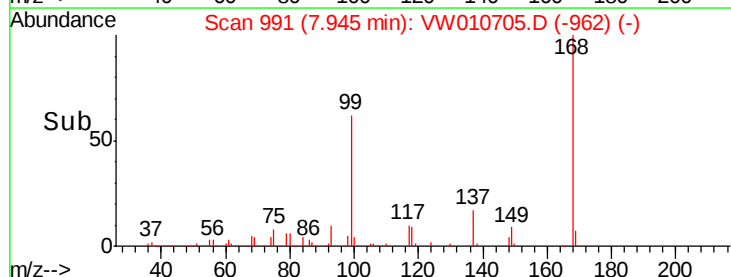
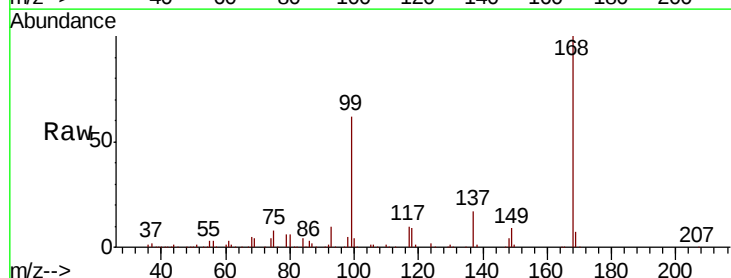
Instrument :
 MSVOA_W
 ClientSampleId :
 TT-007-IDWSO-20190605

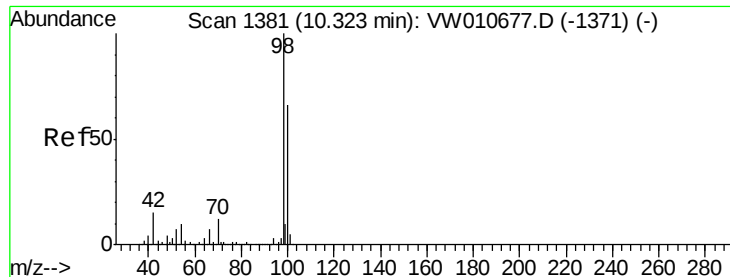
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	15.8	47.3#
77	0.2	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.686 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010705.D
 Acq: 06 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	74.2	111.4#
121	0.0	22.9	34.3#





#50

Toluene-d8

Concen: 54.700 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010705.D

Acq: 06 Jun 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

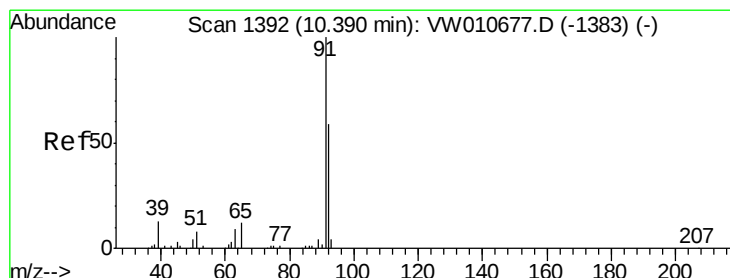
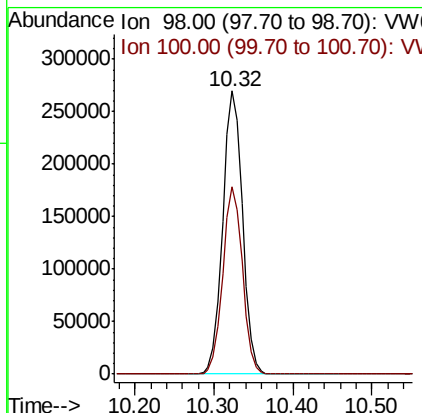
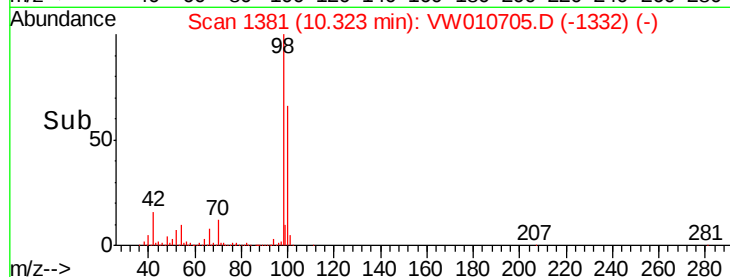
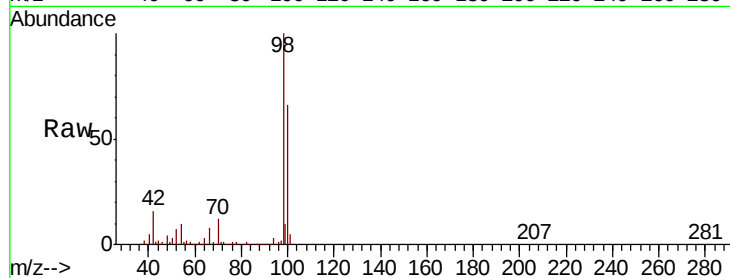
TT-007-IDWSO-20190605

Tot Ion: 98 Resp: 470081

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.6



#52

Toluene

Concen: 3.825 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010705.D

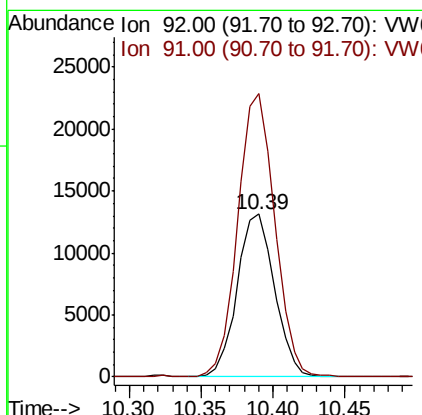
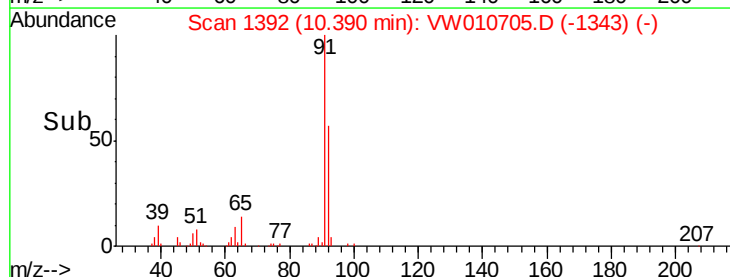
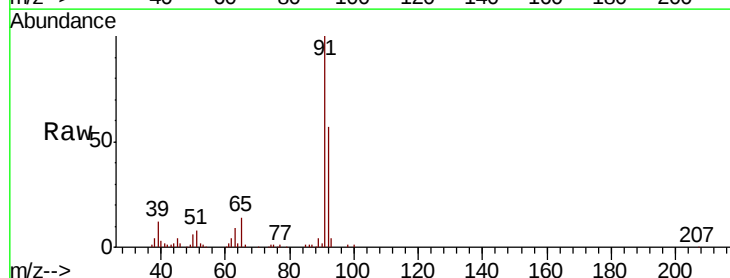
Acq: 06 Jun 2019 13:04

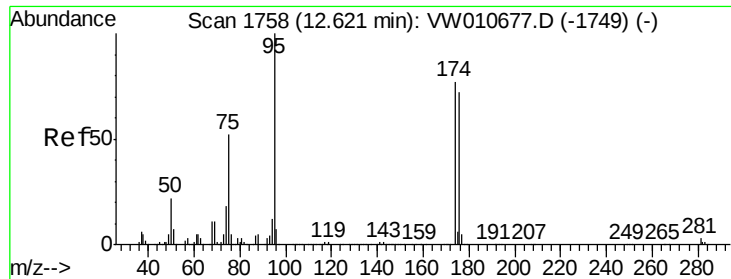
Tgt Ion: 92 Resp: 23729

Ion Ratio Lower Upper

92 100

91 171.9 134.9 202.3

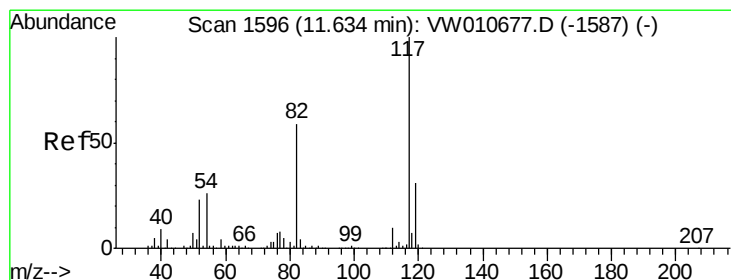
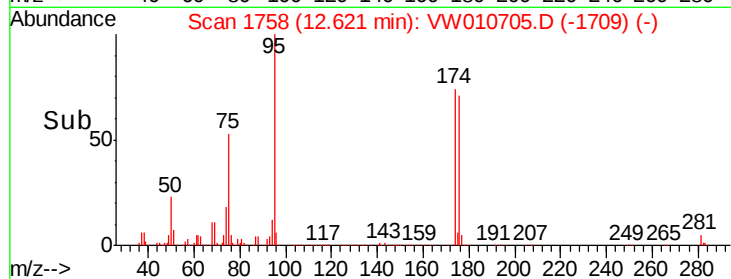
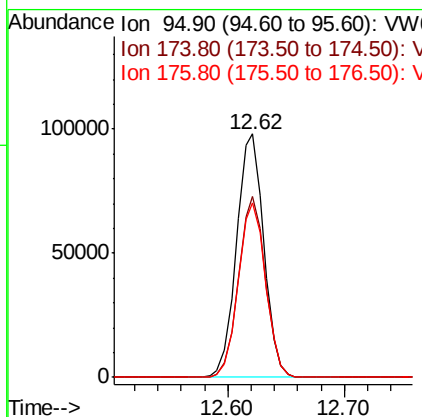
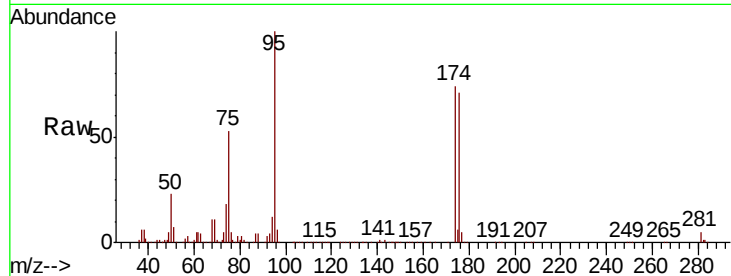




#62
4-Bromofluorobenzene
Concen: 51.177 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010705.D
Acq: 06 Jun 2019 13:04

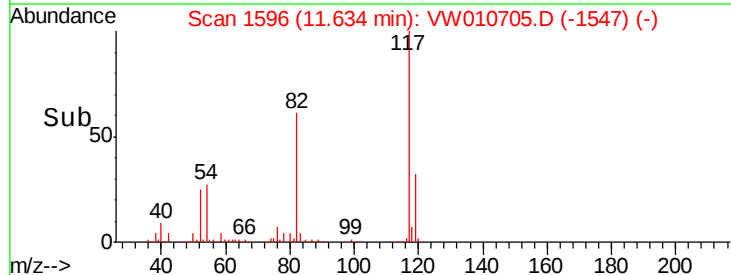
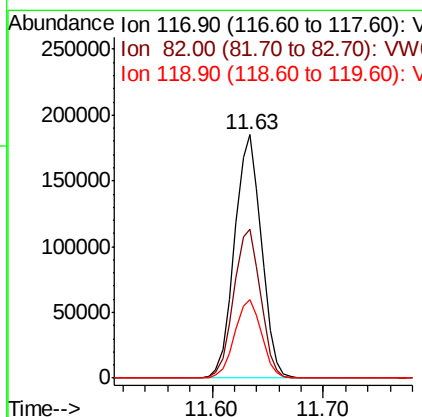
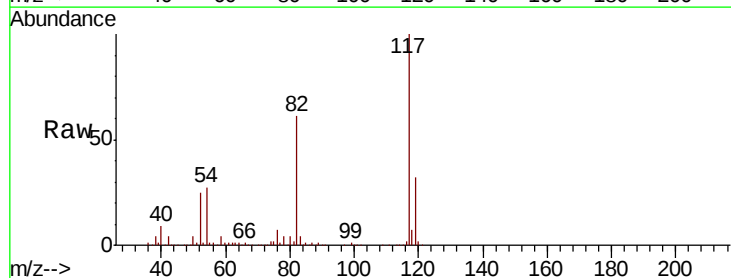
Instrument :
MSVOA_W
ClientSampleId :
TT-007-IDWSO-20190605

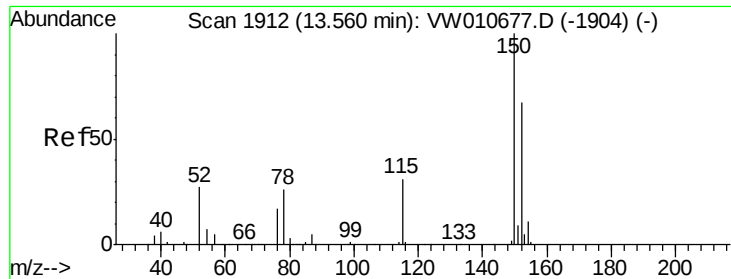
Tot Ion: 95 Resp: 160040
Ion Ratio Lower Upper
95 100
174 73.2 0.0 150.4
176 71.6 0.0 144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010705.D
Acq: 06 Jun 2019 13:04

Tgt Ion: 117 Resp: 308247
Ion Ratio Lower Upper
117 100
82 61.0 47.0 70.4
119 32.3 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: VW010705.D

Acq: 06 Jun 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

TT-007-IDWSO-20190605

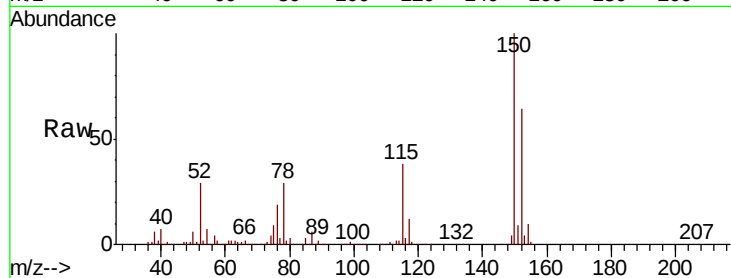
Tot Ion:152 Resp: 132262

Ion Ratio Lower Upper

152 100

115 60.1 29.8 89.3

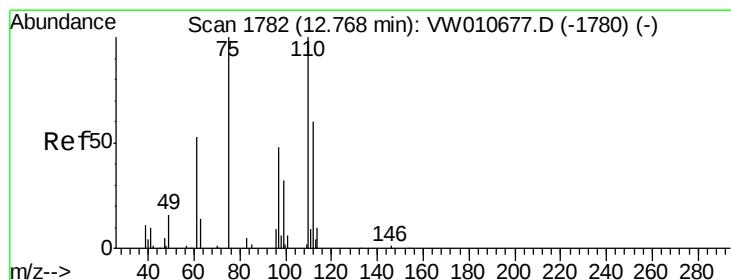
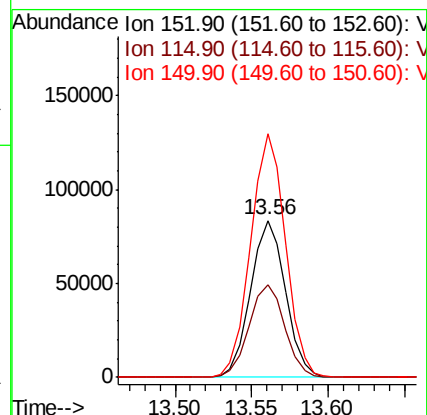
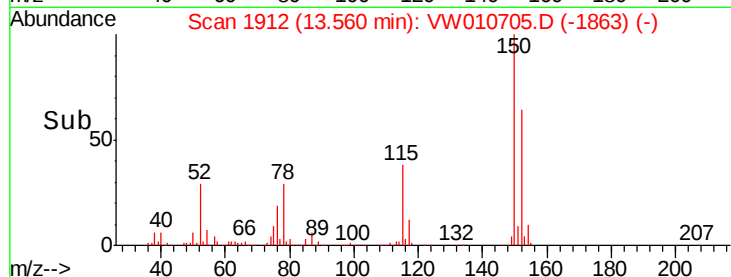
150 155.4 0.0 345.0



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: 62.523 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010705.D

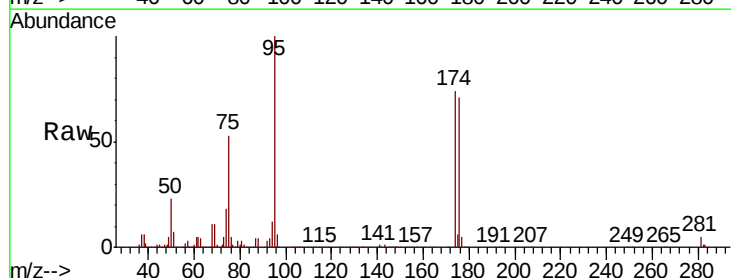
Acq: 06 Jun 2019 13:04

Tgt Ion: 75 Resp: 86840

Ion Ratio Lower Upper

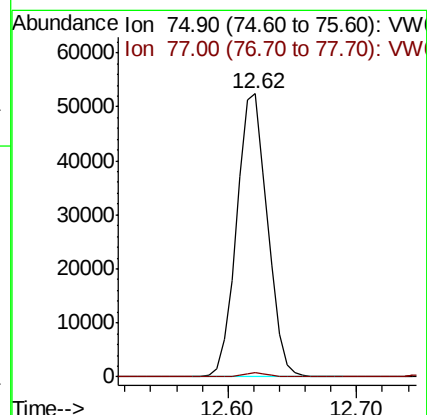
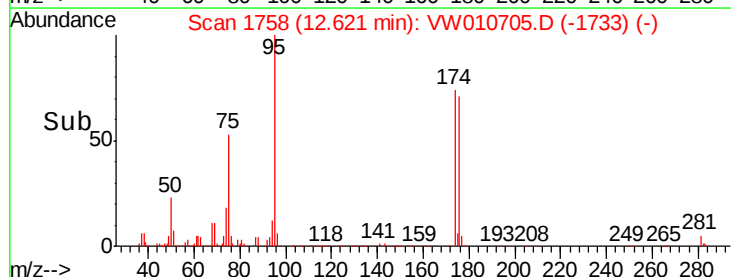
75 100

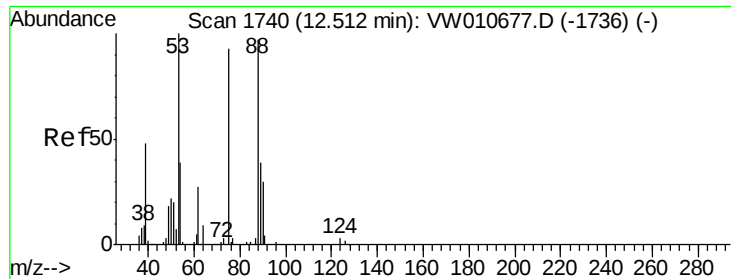
77 1.3 0.0 0.0#



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: 143.698 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010705.D

Acq: 06 Jun 2019 13:04

Instrument :

MSVOA_W

ClientSampleId :

TT-007-IDW/ISO-20190605

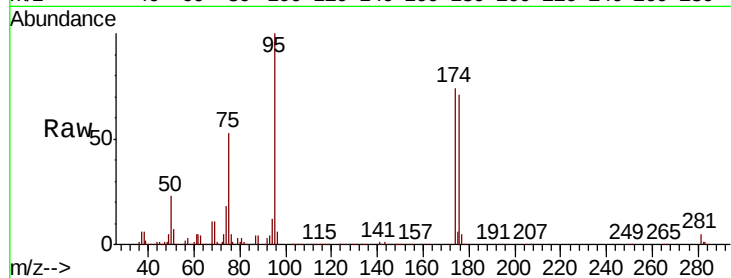
Tot Ion: 75 Resp: 86840

Ion Ratio Lower Upper

75 100

53 0.0 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

