

Data File : VW008179.D
Acq On : 11 Jan 2019 06:27
Operator : SY/AP
Sample : K1099-13
Misc : 6.15G/5ML/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-18

Quant Time: Jan 11 07:26:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	78317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	147665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	132710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	54589	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	51916	58.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.96%	
35) Dibromofluoromethane	7.88	113	45195	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
50) Toluene-d8	10.32	98	193480	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
62) 4-Bromofluorobenzene	12.62	95	61338	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	

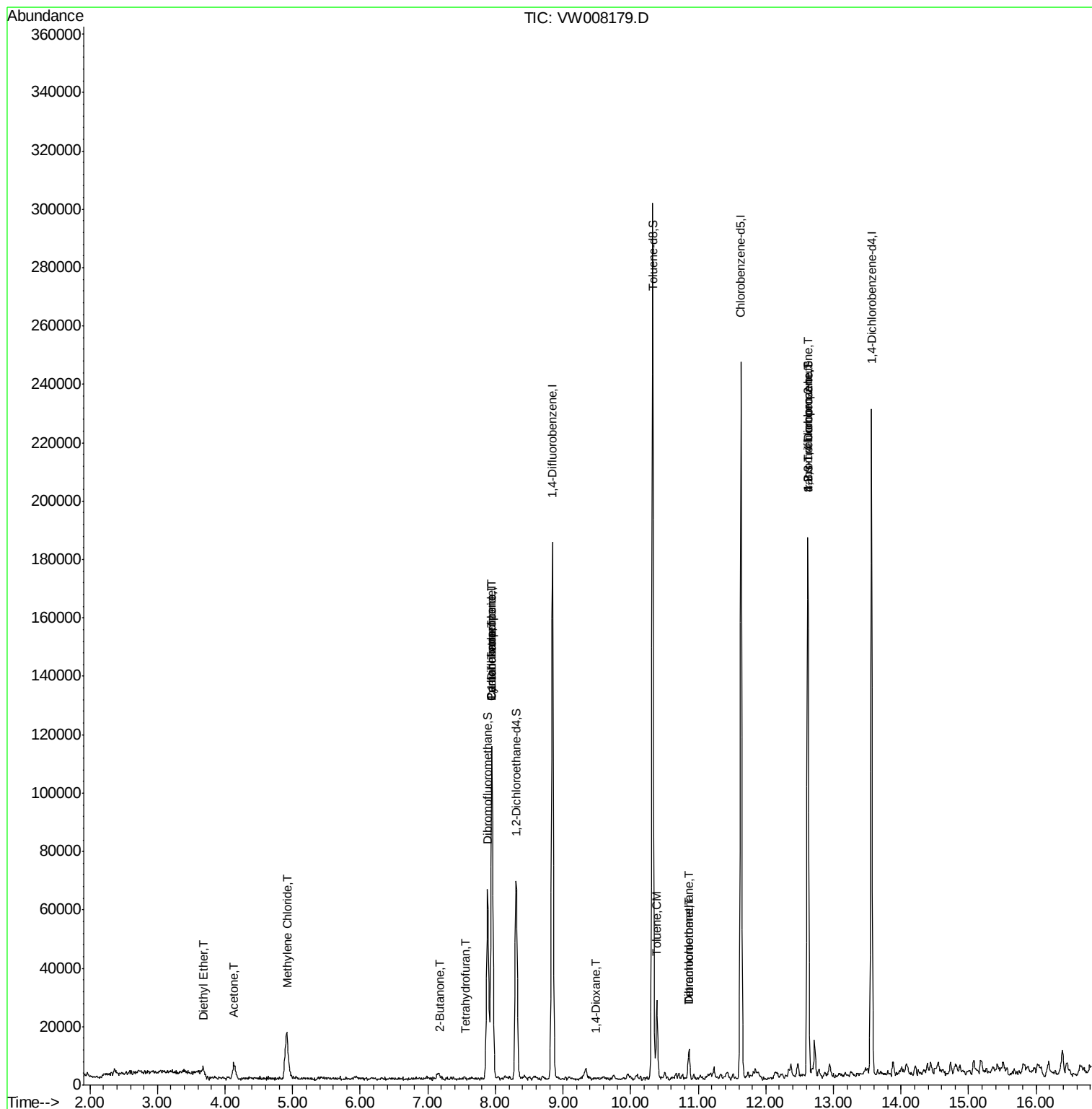
Target Compounds					Qvalue	
8) Diethyl Ether	3.68	74	1027	2.065	ug/l	57
11) Tert butyl alcohol	5.26	59	134	Below Cal	#	100
16) Acetone	4.13	43	10383	48.585	ug/l #	82
20) Methylene Chloride	4.91	84	12301	10.385	ug/l	96
25) 2-Butanone	7.18	43	571	2.332	ug/l #	79
29) Tetrahydrofuran	7.56	42	316	1.932	ug/l #	58
31) Cyclohexane	7.95	56	2473	1.335	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	7338	4.824	ug/l #	54
38) Carbon Tetrachloride	7.95	117	8502	6.107	ug/l #	18
49) 1,4-Dioxane	9.49	88	41	5.075	ug/l #	11
52) Toluene	10.39	92	11251	4.270	ug/l	97
60) Dibromochloromethane	10.87	129	1732	2.236	ug/l #	11
64) Tetrachloroethene	10.87	164	1869	2.164	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	32081	64.467	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	32081	150.123	ug/l #	11

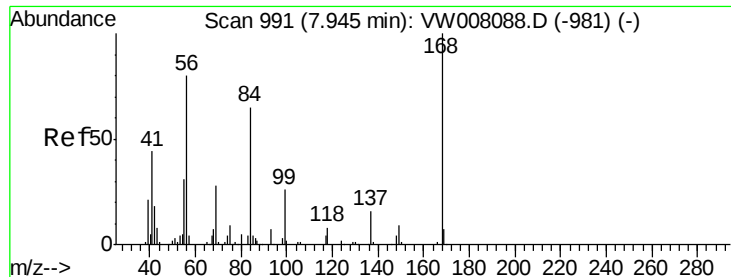
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW008179.D
Acq On : 11 Jan 2019 06:27
Operator : SY/AP
Sample : K1099-13
Misc : 6.15G/5ML/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-18

Quant Time: Jan 11 07:26:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008179.D

Acq: 11 Jan 2019 06:27

Instrument :

MSVOA_W

ClientSampled :

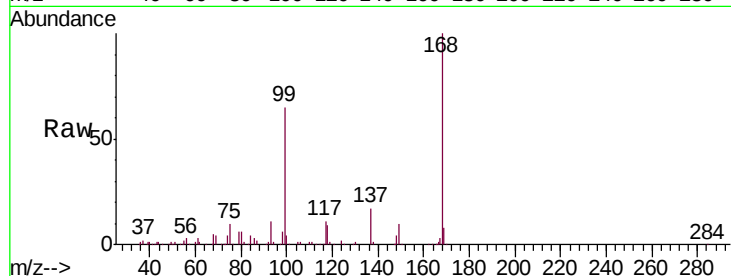
TP-18

Tgt Ion:168 Resp: 78317

Ion Ratio Lower Upper

168 100

99 64.8 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

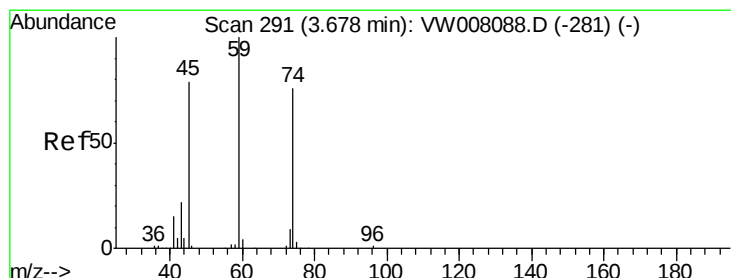
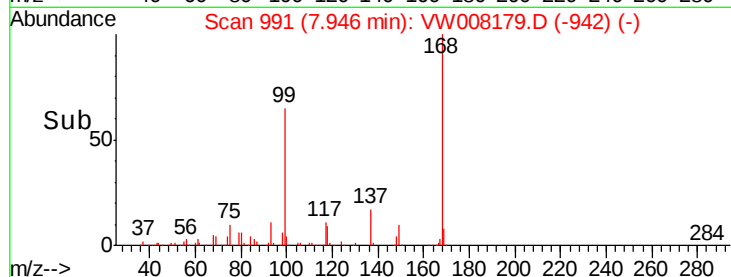
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#8

Diethyl Ether

Concen: 2.065 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW008179.D

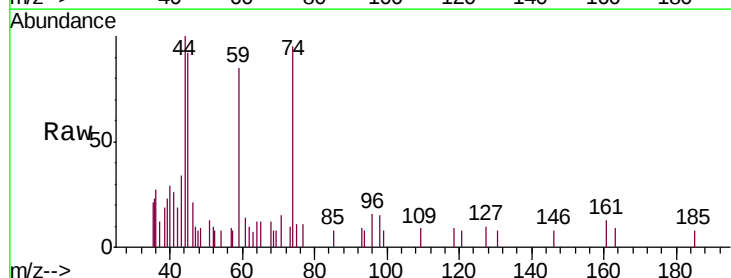
Acq: 11 Jan 2019 06:27

Tgt Ion: 74 Resp: 1027

Ion Ratio Lower Upper

74 100

45 149.2 52.4 157.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

600

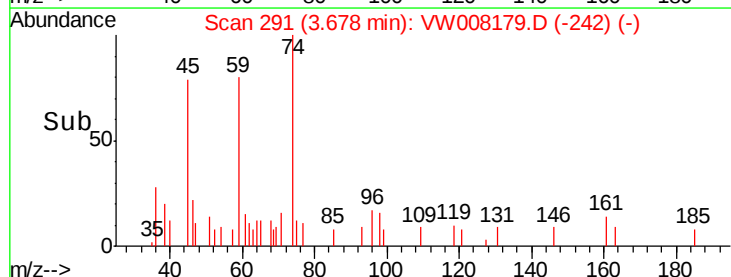
400

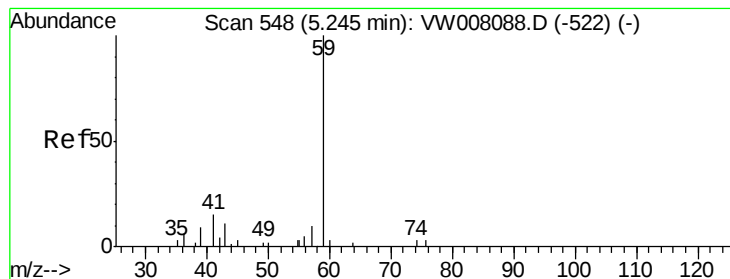
200

0

3.65 3.70 3.75

Time-->



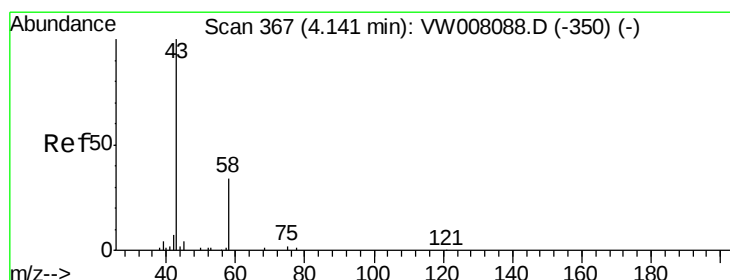
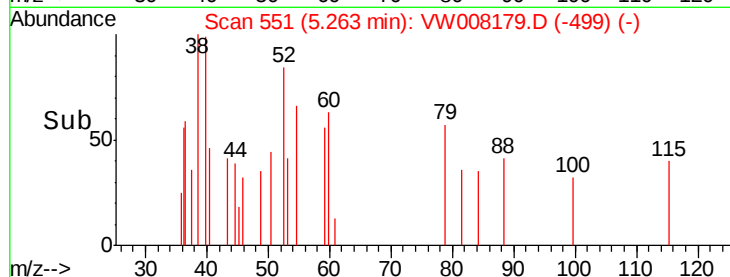
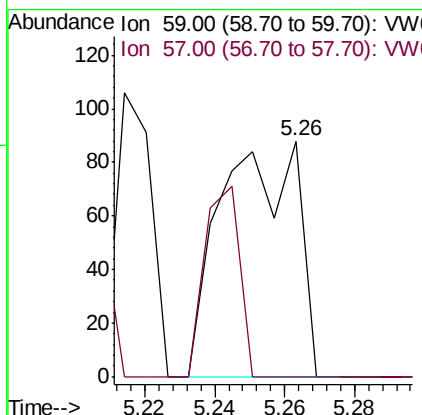
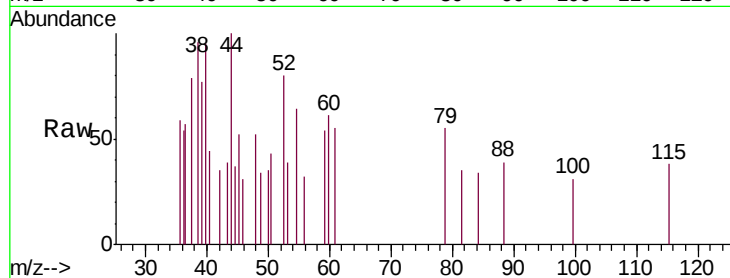


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.26 min Scan# 551
 Delta R.T. 0.02 min
 Lab File: VW008179.D
 Acq: 11 Jan 2019 06:27

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-18

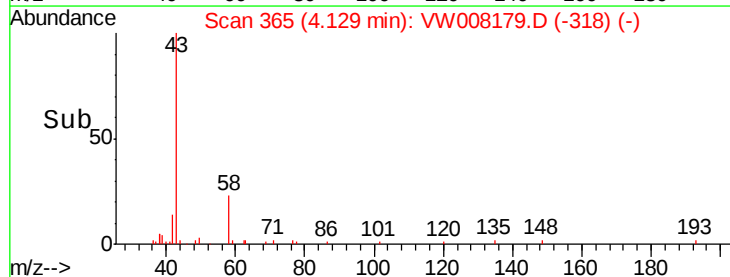
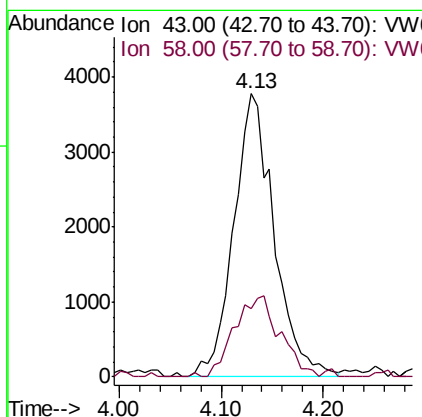
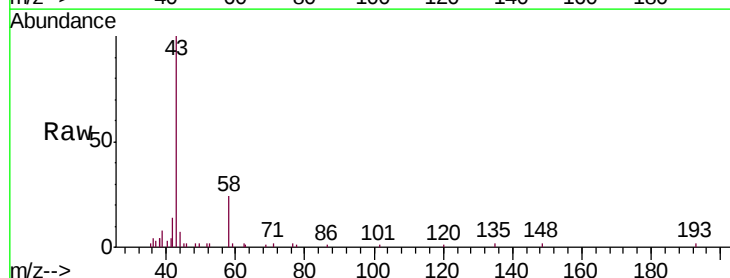
Tgt Ion: 59 Resp: 134
 Ion Ratio Lower Upper
 59 100
 57 36.6 0.0 0.0#

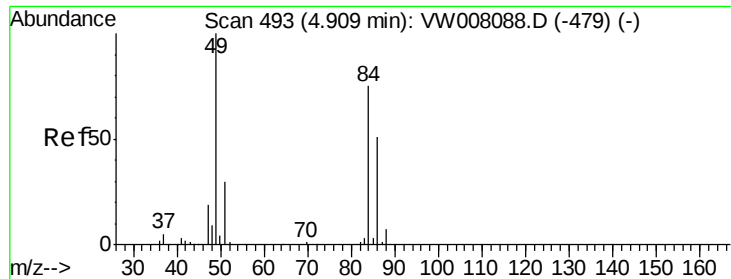


#16

Acetone
 Concen: 48.585 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VW008179.D
 Acq: 11 Jan 2019 06:27

Tgt Ion: 43 Resp: 10383
 Ion Ratio Lower Upper
 43 100
 58 24.1 27.5 41.3#

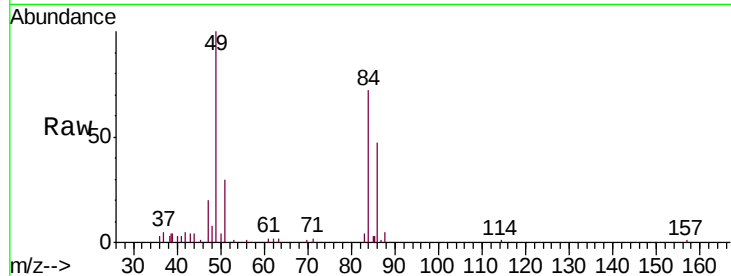




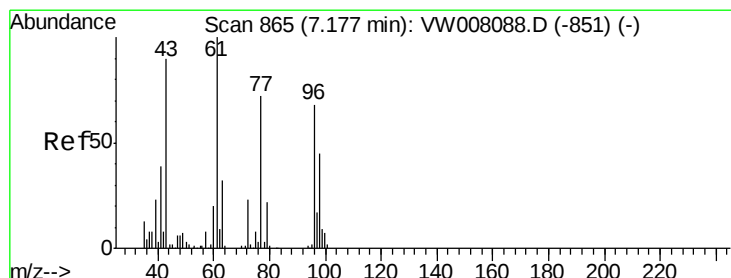
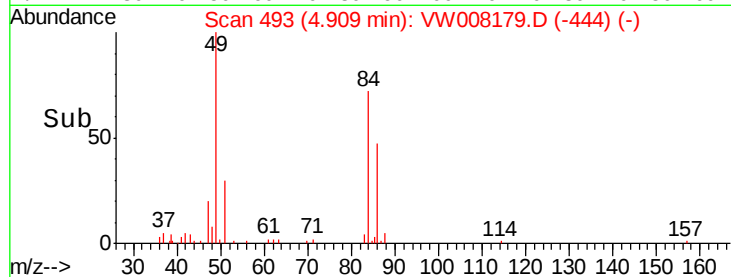
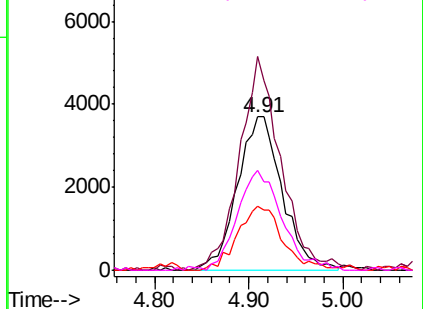
#20
Methylene Chloride
Concen: 10.385 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008179.D
Acq: 11 Jan 2019 06:27

Instrument :
MSVOA_W
ClientSampleId :
TP-18

Tgt Ion:	84	Resp:	12301
Ion	Ratio	Lower	Upper
84	100		
49	139.1	107.1	160.7
51	41.4	32.4	48.6
86	62.7	54.2	81.4

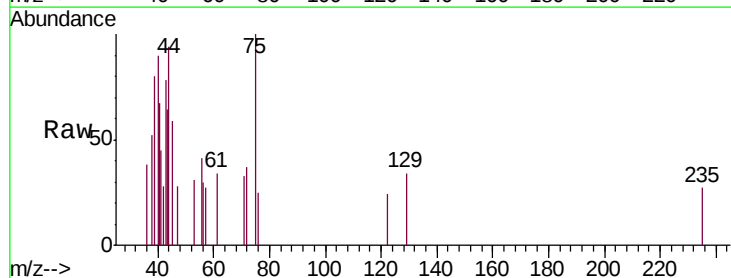


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

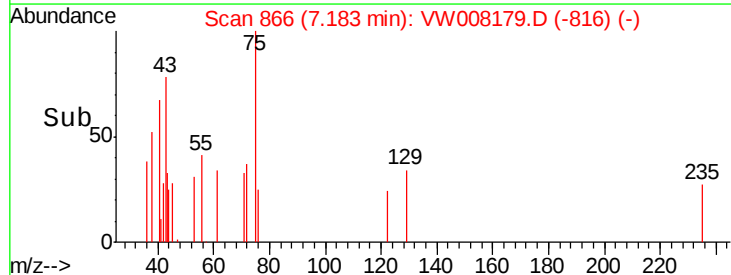
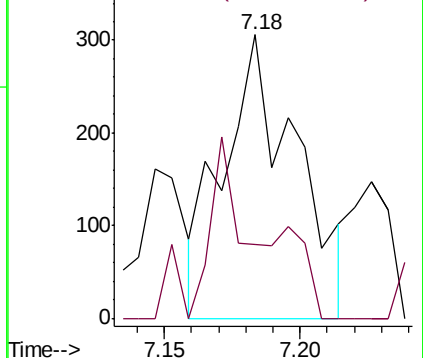


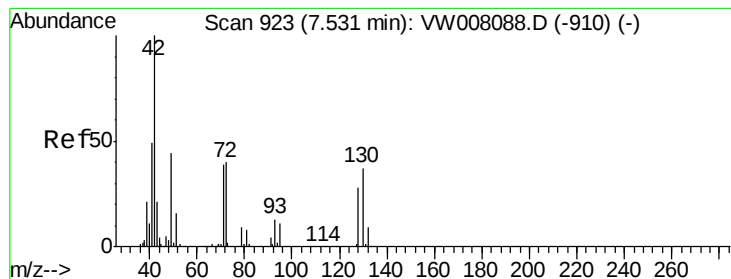
#25
2-Butanone
Concen: 2.332 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW008179.D
Acq: 11 Jan 2019 06:27

Tgt Ion:	43	Resp:	571
Ion	Ratio	Lower	Upper
43	100		
72	36.2	20.5	30.7#



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





#29

Tetrahydrofuran

Concen: 1.932 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW008179.D

Acq: 11 Jan 2019 06:27

Instrument :

MSVOA_W

ClientSampled :

TP-18

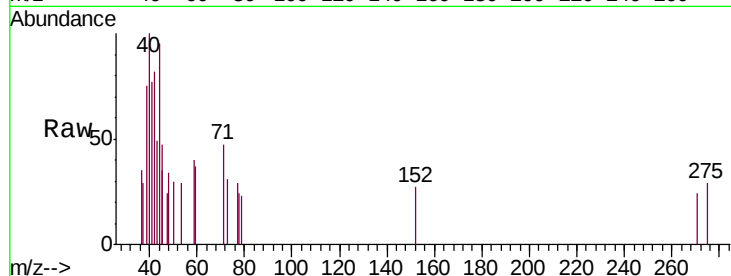
Tgt Ion: 42 Resp: 316

Ion Ratio Lower Upper

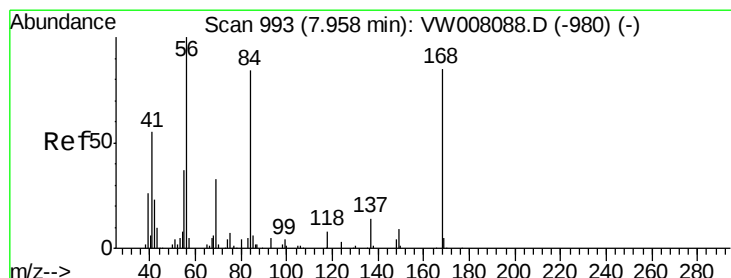
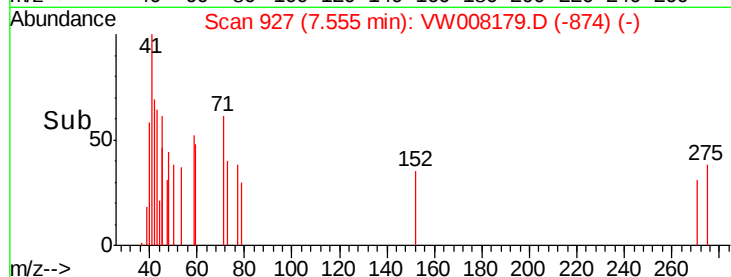
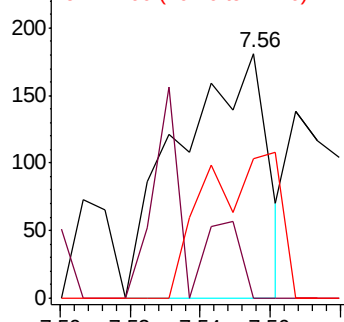
42 100

72 0.0 32.4 48.6#

71 50.0 31.3 46.9#



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: 1.335 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008179.D

Acq: 11 Jan 2019 06:27

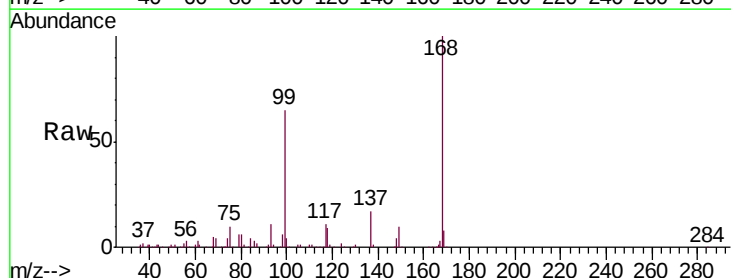
Tgt Ion: 56 Resp: 2473

Ion Ratio Lower Upper

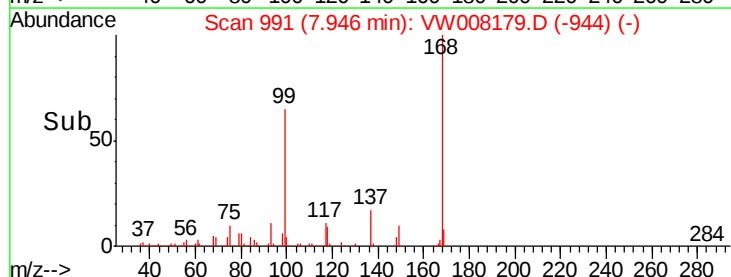
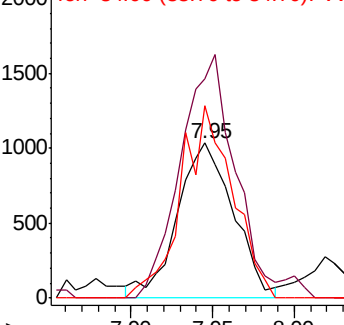
56 100

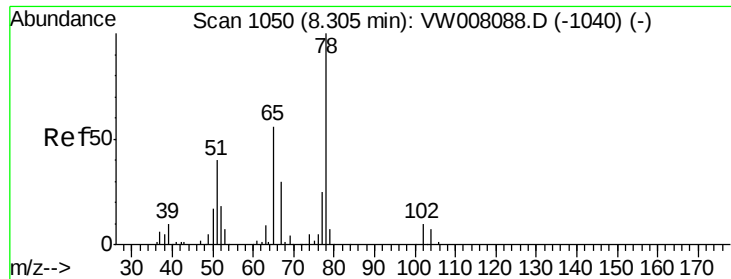
69 151.7 26.2 39.4#

84 133.4 67.4 101.2#



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

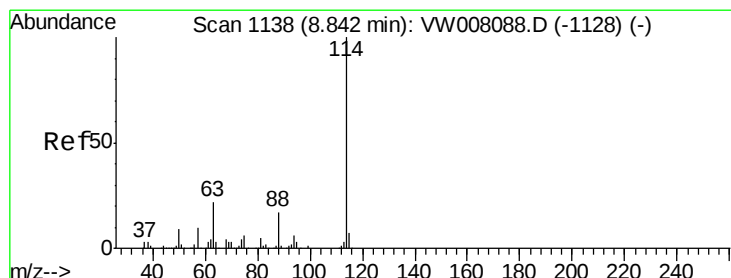
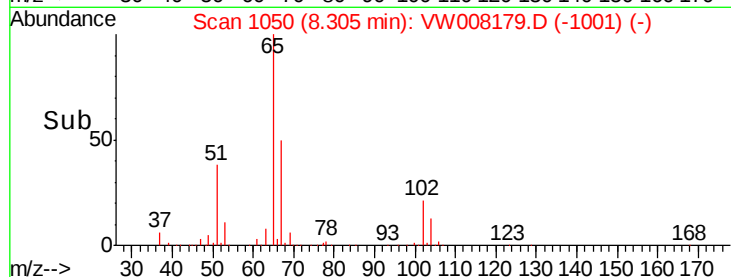
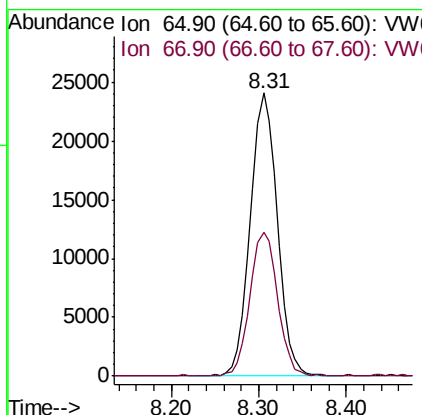
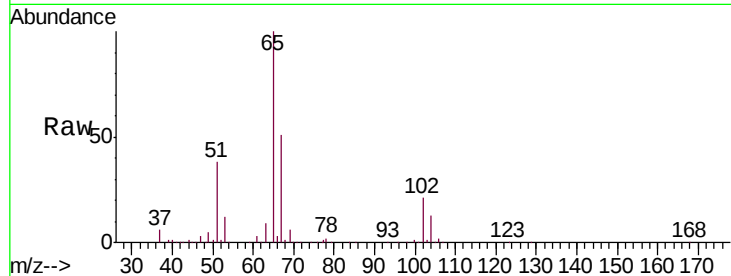




#33
 1,2-Dichloroethane-d4
 Concen: 58.981 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008179.D
 Acq: 11 Jan 2019 06:27

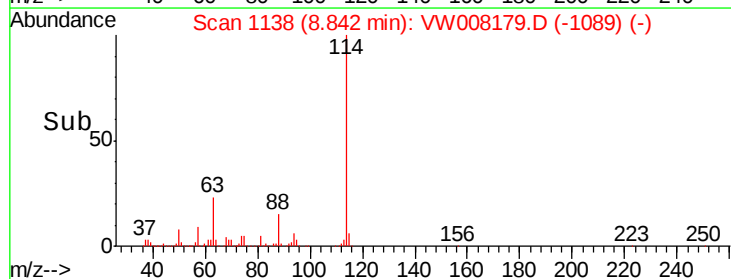
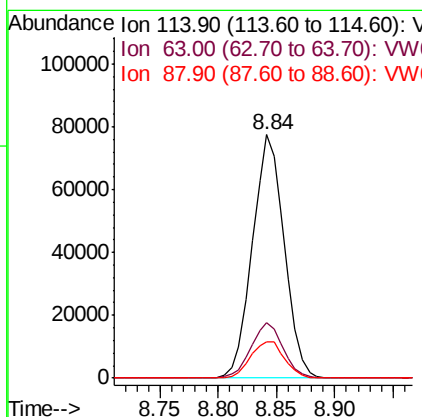
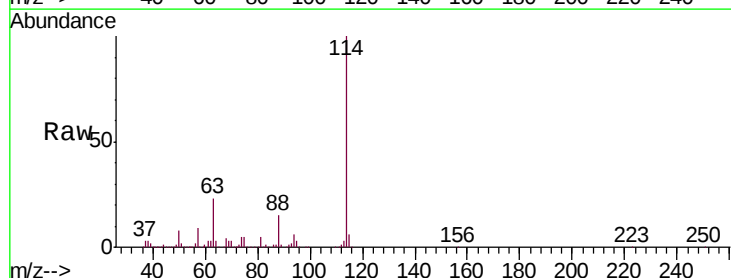
Instrument :
 MSVOA_W
 ClientSampled :
 TP-18

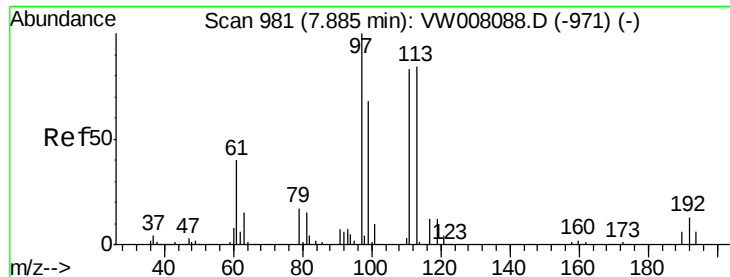
Tgt Ion: 65 Resp: 51916
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008179.D
 Acq: 11 Jan 2019 06:27

Tgt Ion: 114 Resp: 147665
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.4
 88 14.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 52.477 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008179.D

Acq: 11 Jan 2019 06:27

Instrument :

MSVOA_W

ClientSampled :

TP-18

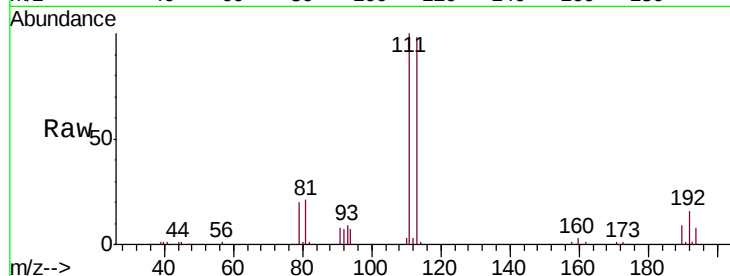
Tgt Ion:113 Resp: 45195

Ion Ratio Lower Upper

113 100

111 104.9 81.8 122.8

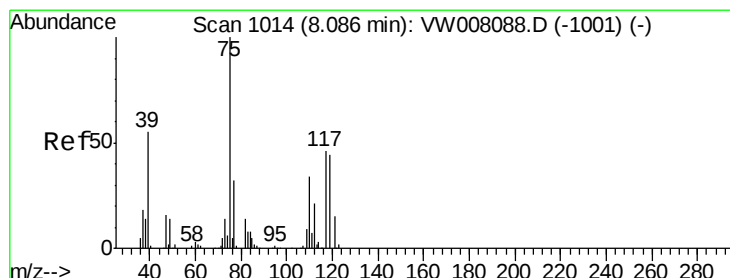
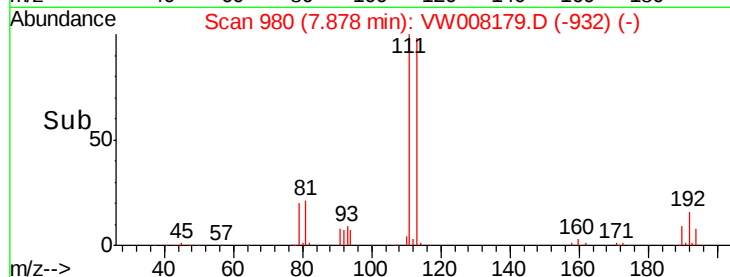
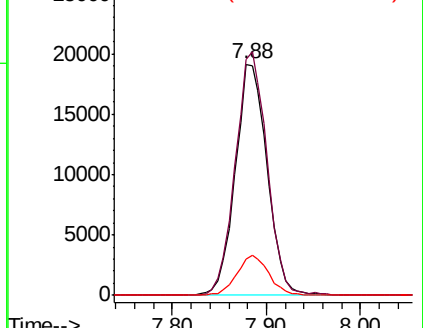
192 17.5 12.8 19.2



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: 4.824 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW008179.D

Acq: 11 Jan 2019 06:27

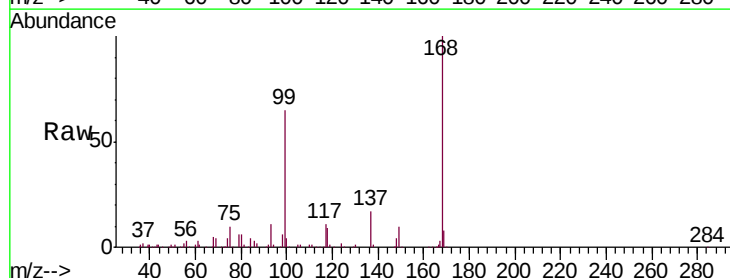
Tgt Ion: 75 Resp: 7338

Ion Ratio Lower Upper

75 100

110 12.8 17.1 51.3#

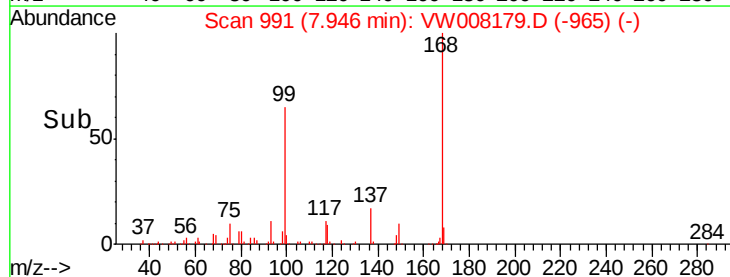
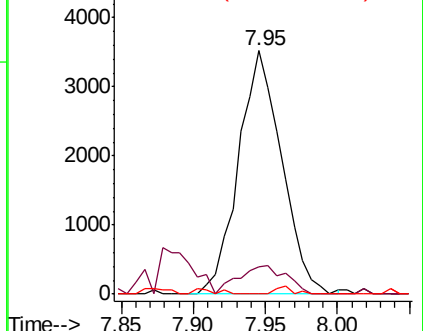
77 1.2 25.5 38.3#

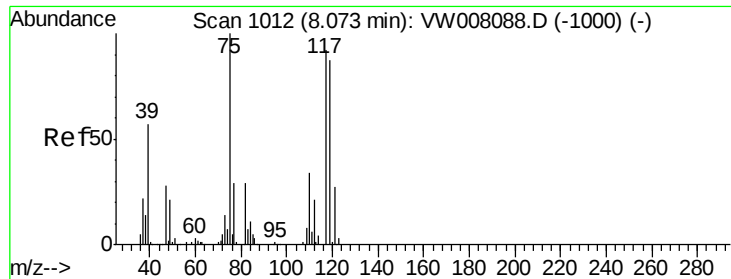


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.107 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008179.D

Acq: 11 Jan 2019 06:27

Instrument :

MSVOA_W

ClientSampled :

TP-18

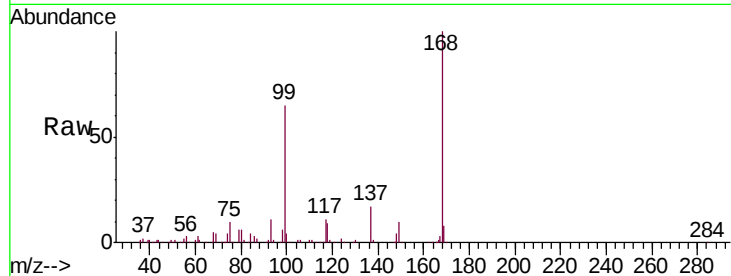
Tgt Ion: 117 Resp: 8502

Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.8#

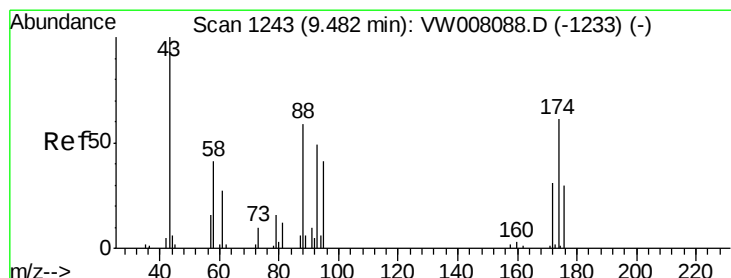
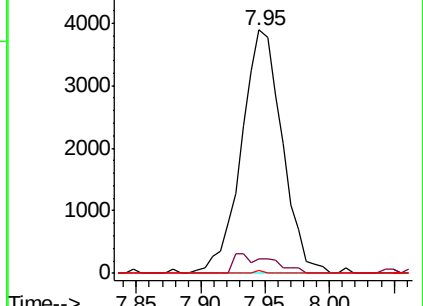
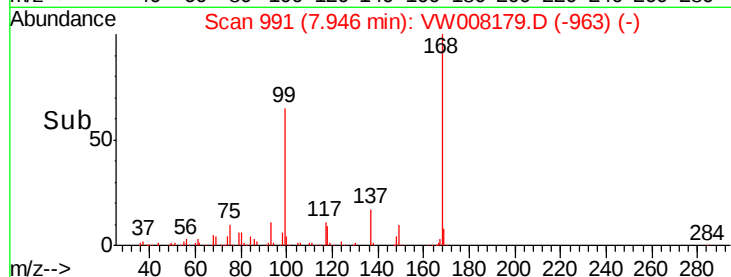
121 1.4 23.7 35.5#



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



#49

1,4-Dioxane

Concen: 5.075 ug/l

RT: 9.49 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VW008179.D

Acq: 11 Jan 2019 06:27

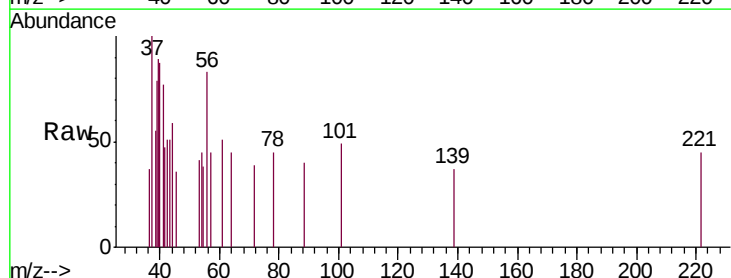
Tgt Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

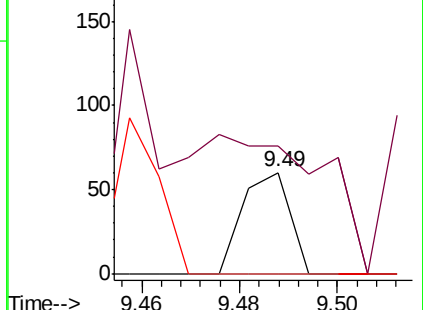
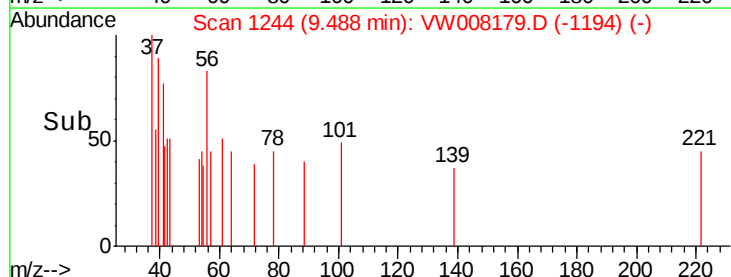
58 0.0 61.7 92.5#

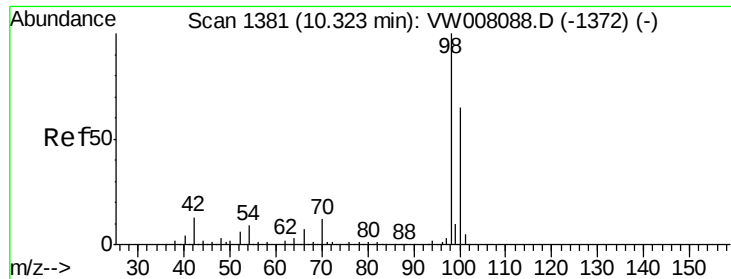


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

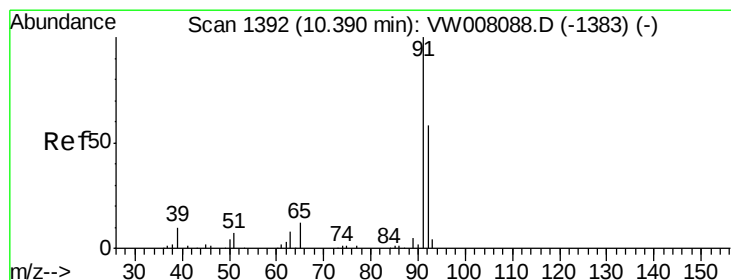
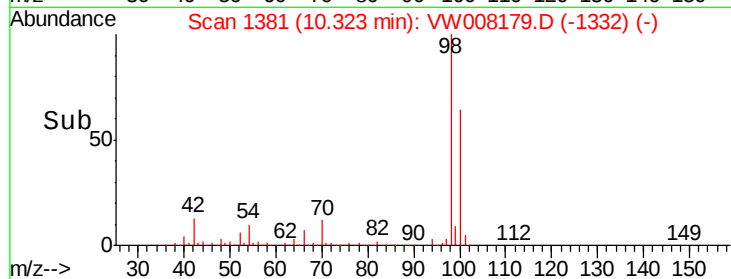
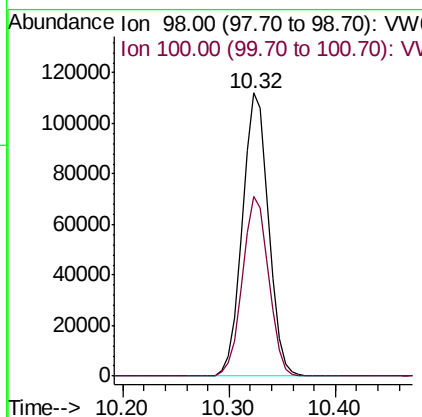
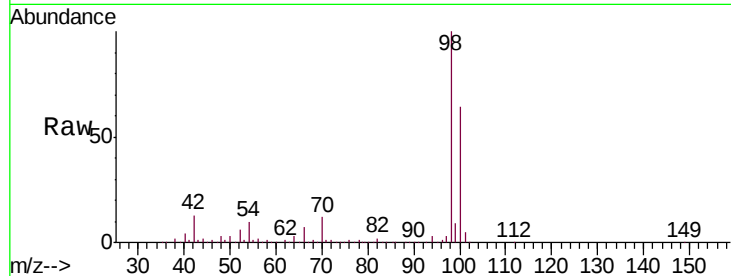




#50
Toluene-d8
Concen: 53.535 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008179.D
Acq: 11 Jan 2019 06:27

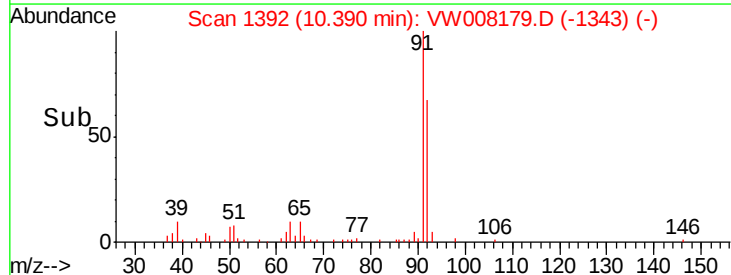
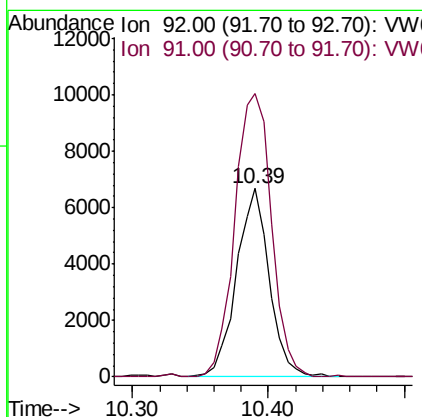
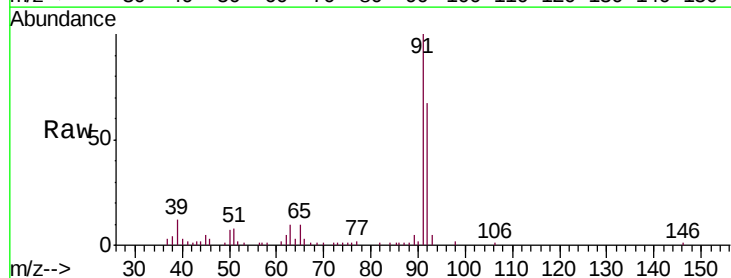
Instrument :
MSVOA_W
ClientSampled :
TP-18

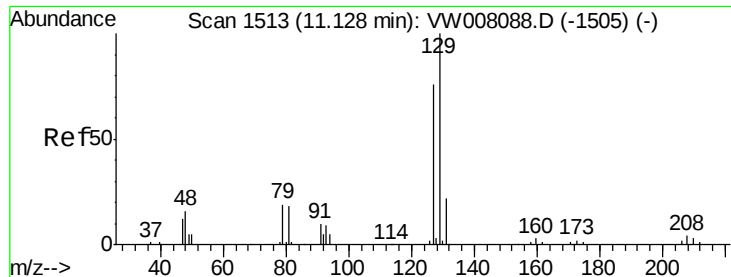
Tgt Ion: 98 Resp: 193480
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5



#52
Toluene
Concen: 4.270 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW008179.D
Acq: 11 Jan 2019 06:27

Tgt Ion: 92 Resp: 11251
Ion Ratio Lower Upper
92 100
91 167.4 137.0 205.4

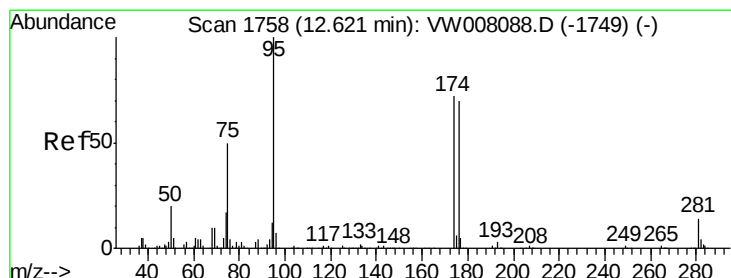
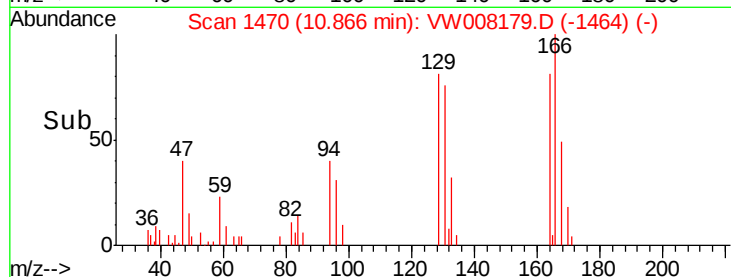
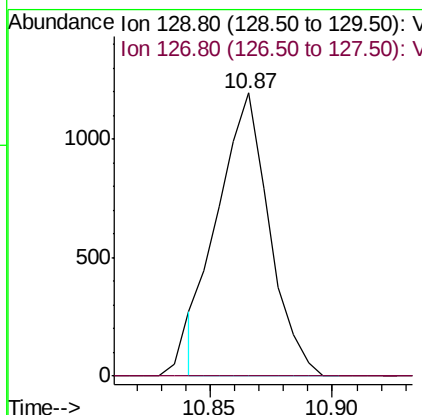
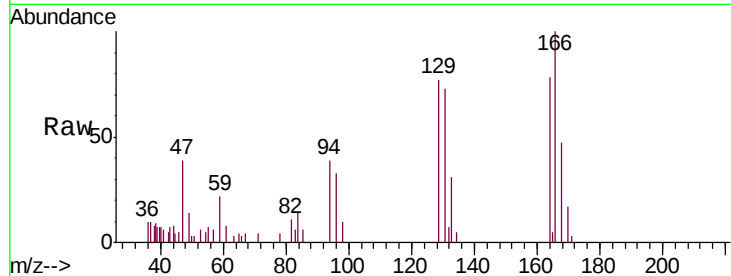




#60
 Dibromochloromethane
 Concen: 2.236 ug/l
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.26 min
 Lab File: VW008179.D
 Acq: 11 Jan 2019 06:27

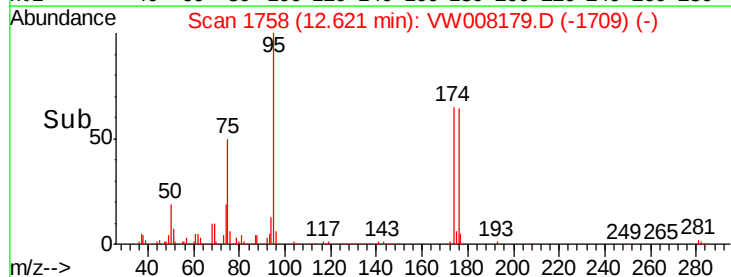
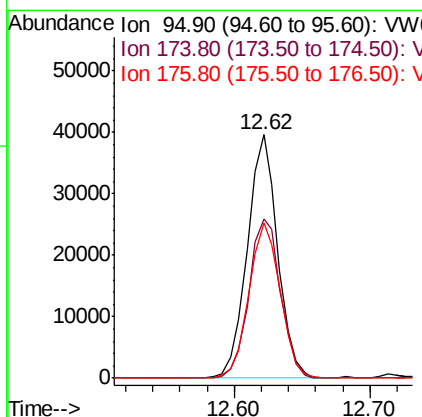
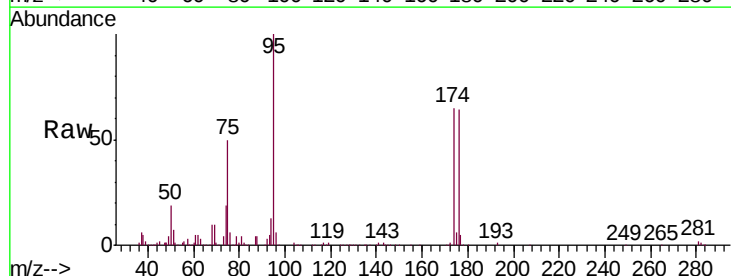
Instrument :
 MSVOA_W
 ClientSampled :
 TP-18

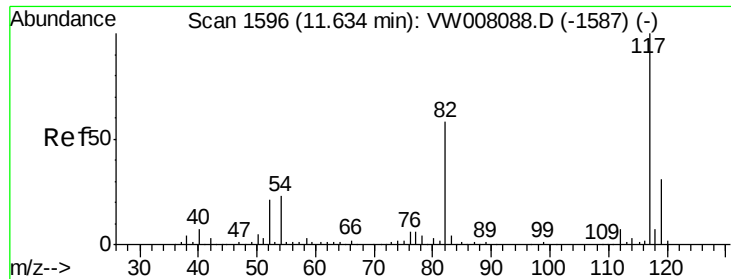
Tgt Ion: 129 Resp: 1732
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.6#



#62
 4-Bromofluorobenzene
 Concen: 47.342 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008179.D
 Acq: 11 Jan 2019 06:27

Tgt Ion: 95 Resp: 61338
 Ion Ratio Lower Upper
 95 100
 174 68.8 0.0 143.0
 176 66.4 0.0 140.2

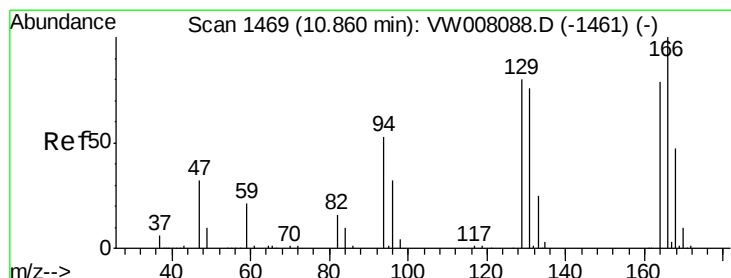
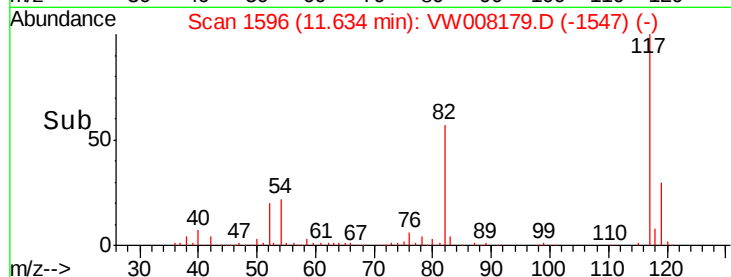
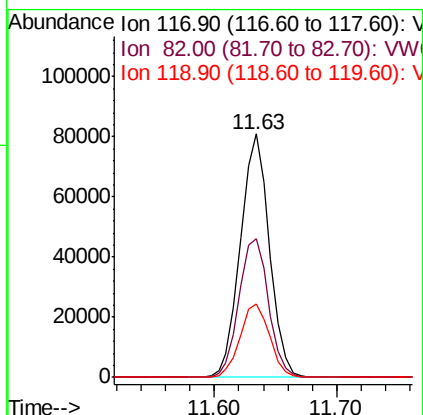
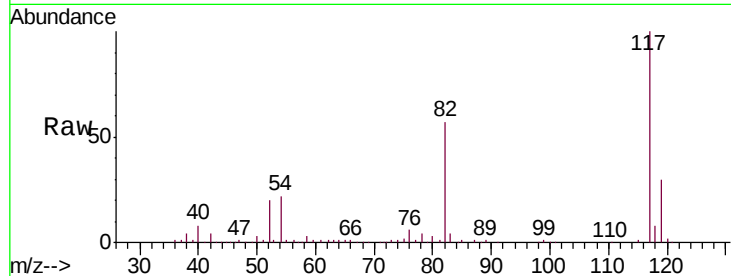




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008179.D
Acq: 11 Jan 2019 06:27

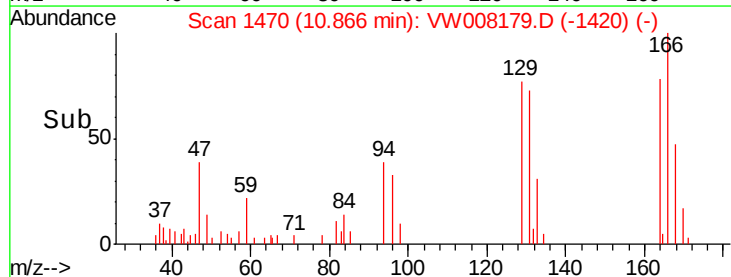
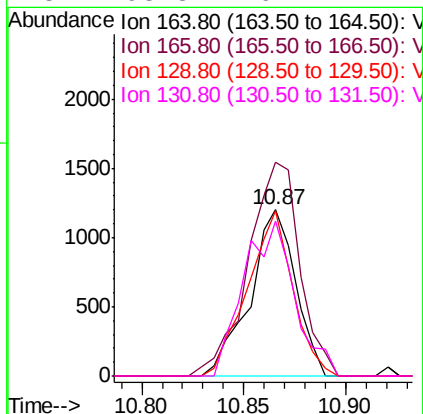
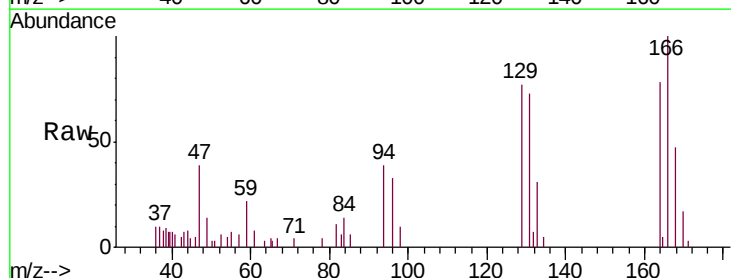
Instrument :
MSVOA_W
ClientSampled :
TP-18

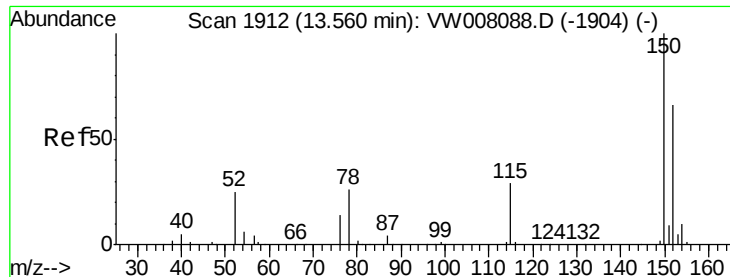
Tgt Ion:117 Resp: 132710
Ion Ratio Lower Upper
117 100
82 56.7 46.4 69.6
119 30.2 24.7 37.1



#64
Tetrachloroethene
Concen: 2.164 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW008179.D
Acq: 11 Jan 2019 06:27

Tgt Ion:164 Resp: 1869
Ion Ratio Lower Upper
164 100
166 128.7 100.7 151.1
129 99.6 81.0 121.4
131 93.3 76.1 114.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008179.D

Acq: 11 Jan 2019 06:27

Instrument :

MSVOA_W

ClientSampleId :

TP-18

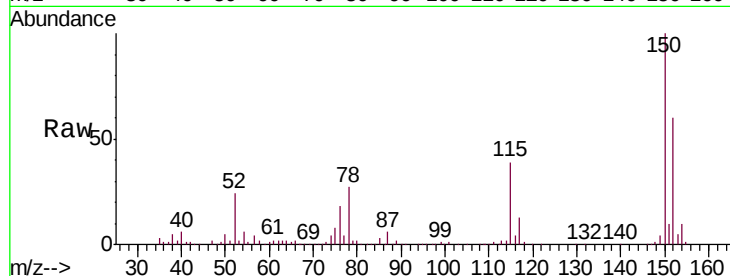
Tgt Ion:152 Resp: 54589

Ion Ratio Lower Upper

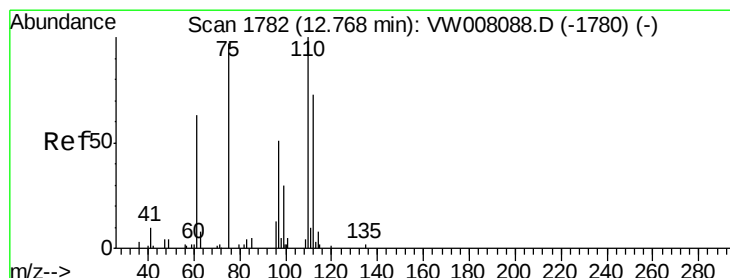
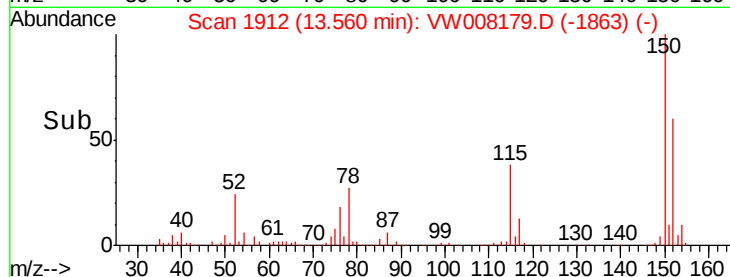
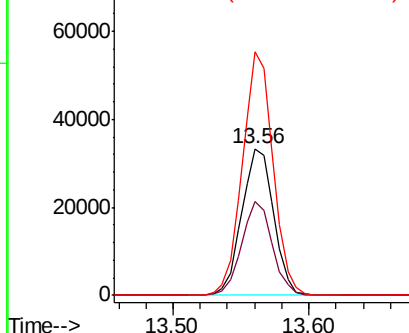
152 100

115 61.3 30.8 92.4

150 159.2 0.0 350.2



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: 64.467 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008179.D

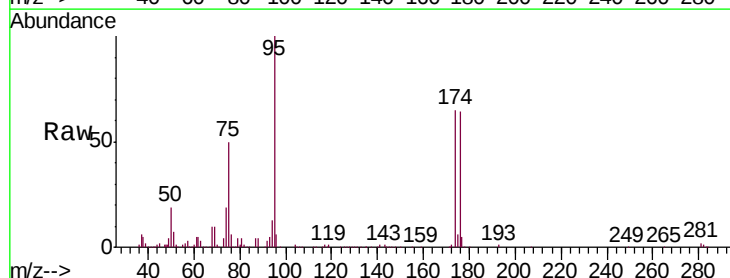
Acq: 11 Jan 2019 06:27

Tgt Ion: 75 Resp: 32081

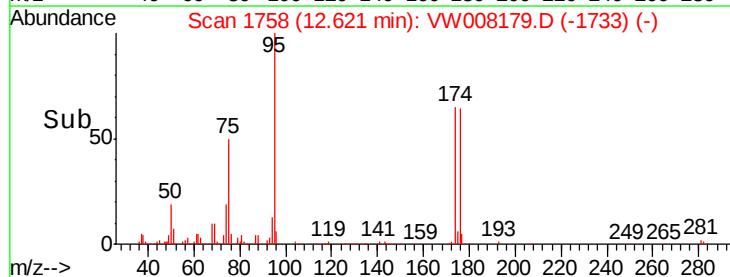
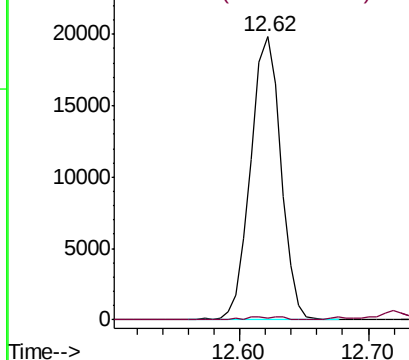
Ion Ratio Lower Upper

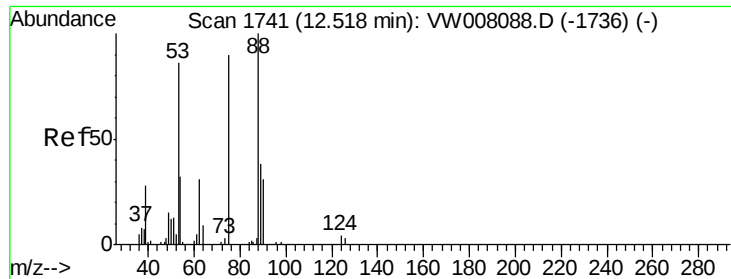
75 100

77 1.3 179.4 538.2#



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: 150.123 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008179.D

Acq: 11 Jan 2019 06:27

Instrument :

MSVOA_W

ClientSampleId :

TP-18

Tgt Ion: 75 Resp: 32081

Ion Ratio Lower Upper

75 100

53 0.5 78.8 118.2#

89 0.2 35.4 53.2#

