

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011361.D
 Acq On : 19 Jul 2019 04:46
 Operator : SY/VA
 Sample : K3835-10
 Misc : 6.18G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 06:50:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	163100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	294845	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	261562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	118820	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	101465	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
35) Dibromofluoromethane	7.88	113	75339	42.87	ug/l	0.00
Spiked Amount			Recovery	=	85.74%	
50) Toluene-d8	10.32	98	295637	41.62	ug/l	0.00
Spiked Amount			Recovery	=	83.24%	
62) 4-Bromofluorobenzene	12.62	95	102741	39.46	ug/l	0.00
Spiked Amount			Recovery	=	78.92%	

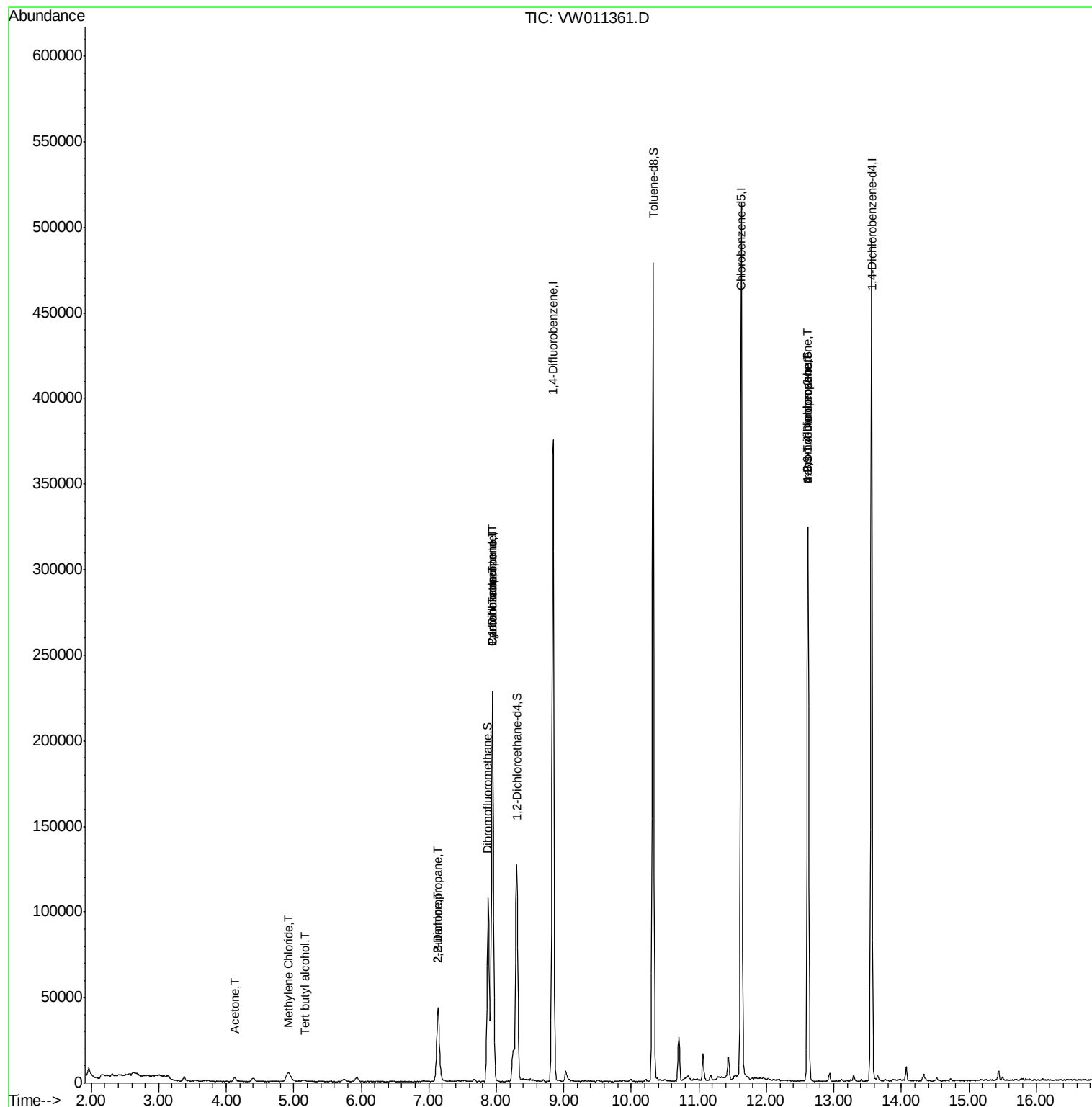
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	917	6.044	ug/l	99
16) Acetone	4.12	43	4569	9.266	ug/l #	88
18) Methyl Acetate	4.68	43	60	Below Cal	#	57
20) Methylene Chloride	4.91	84	4263	2.191	ug/l #	86
25) 2-Butanone	7.14	43	3306	4.271	ug/l	95
26) 2,2-Dichloropropane	7.13	77	2935	1.513	ug/l #	53
31) Cyclohexane	7.94	56	4193	1.056	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14763	4.702	ug/l #	50
38) Carbon Tetrachloride	7.95	117	16663	6.260	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	55021	40.070	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	55021	90.631	ug/l #	6

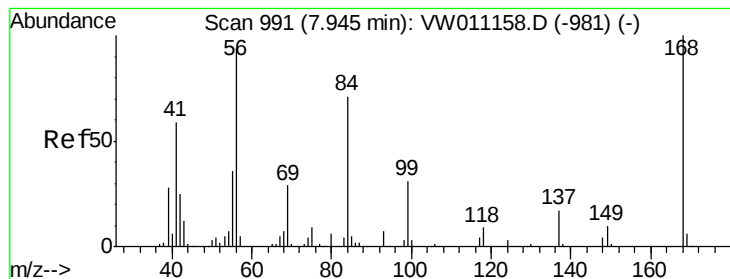
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071819\
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Quant Time: Jul 19 06:50:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 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: VW011361.D

Acq: 19 Jul 2019 04:46

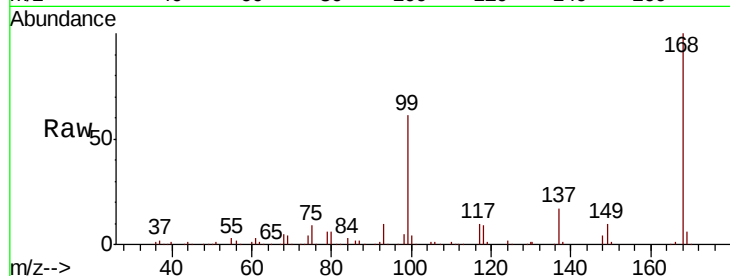
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 163100

Ion Ratio Lower Upper

168 100

99 60.9 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

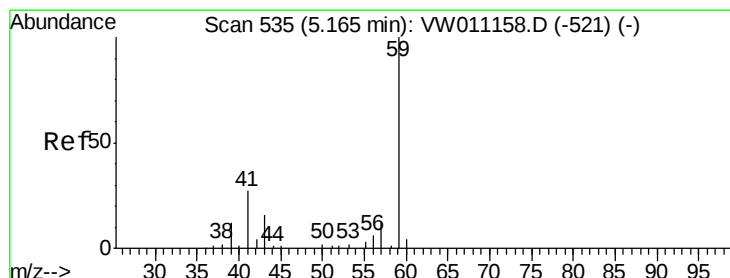
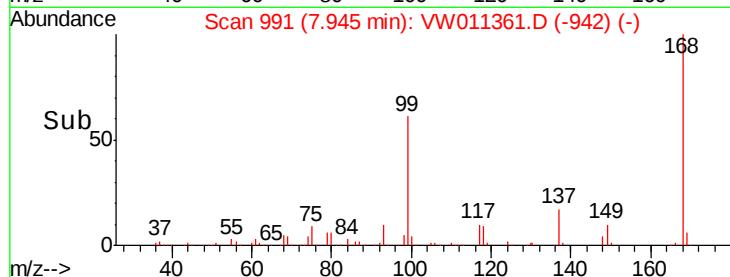
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 6.044 ug/l

RT: 5.17 min Scan# 535

Delta R.T. 0.00 min

Lab File: VW011361.D

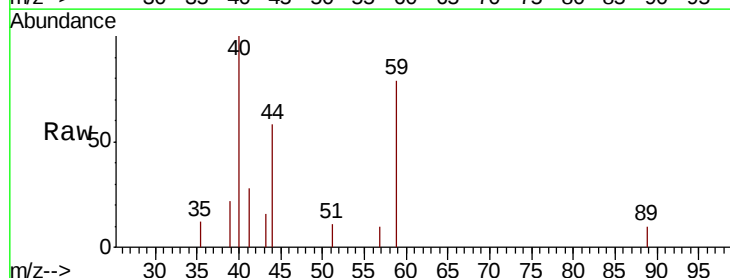
Acq: 19 Jul 2019 04:46

Tgt Ion: 59 Resp: 917

Ion Ratio Lower Upper

59 100

57 11.7 9.0 13.6



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

500

400

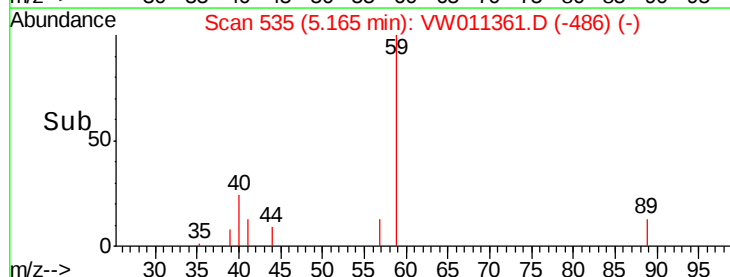
300

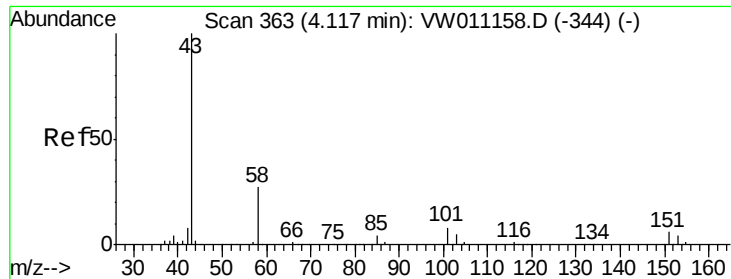
200

100

0

Time--> 5.10 5.15 5.20 5.25

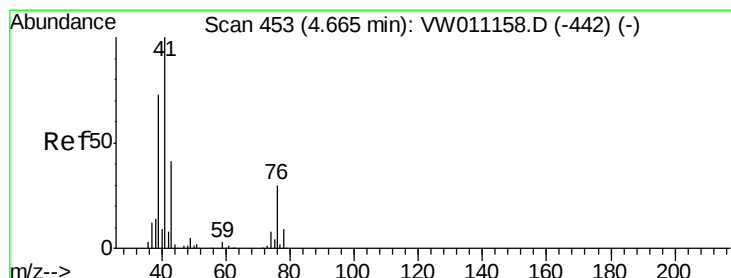
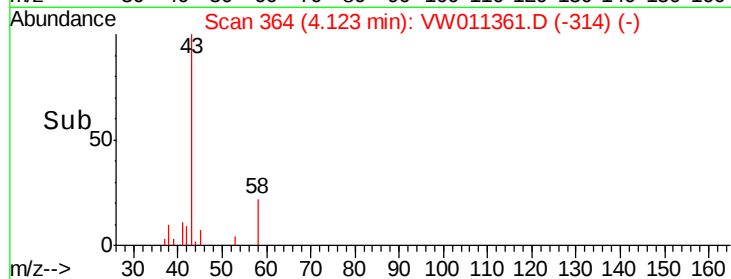
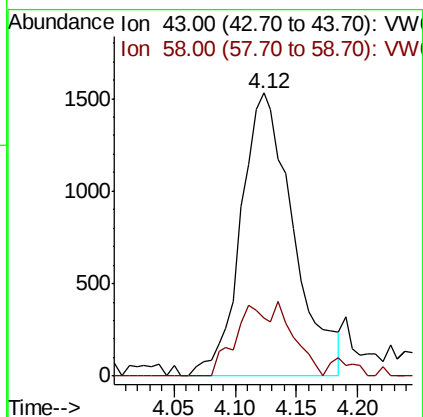
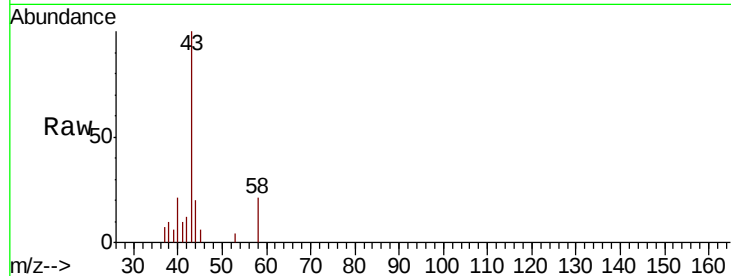




#16
Acetone
Concen: 9.266 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW011361.D
Acq: 19 Jul 2019 04:46

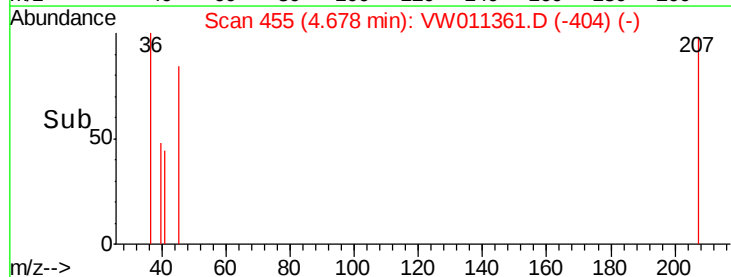
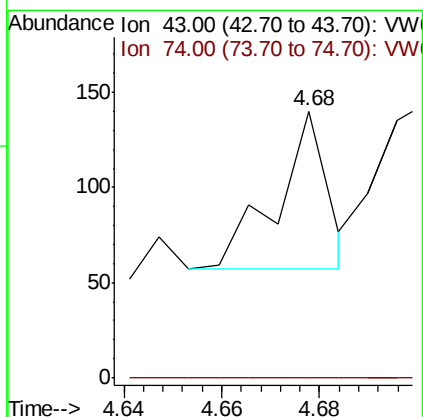
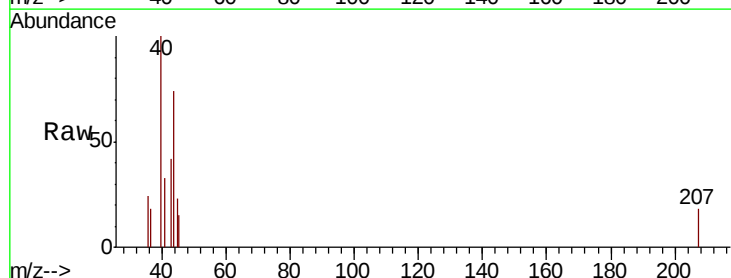
Instrument :
MSVOA_W
ClientSampleId :

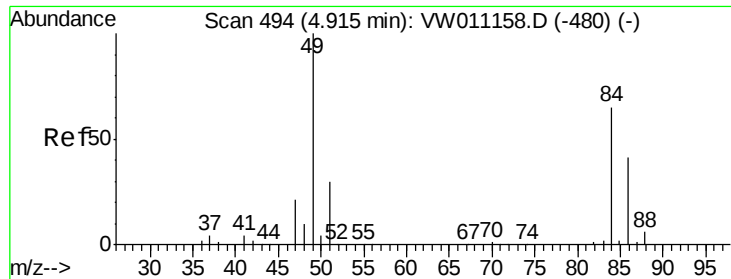
Tot Ion: 43 Resp: 4569
Ion Ratio Lower Upper
43 100
58 20.7 21.8 32.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW011361.D
Acq: 19 Jul 2019 04:46

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
74 0.0 15.7 23.5#

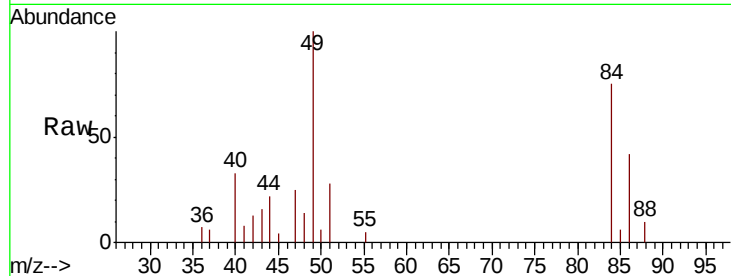




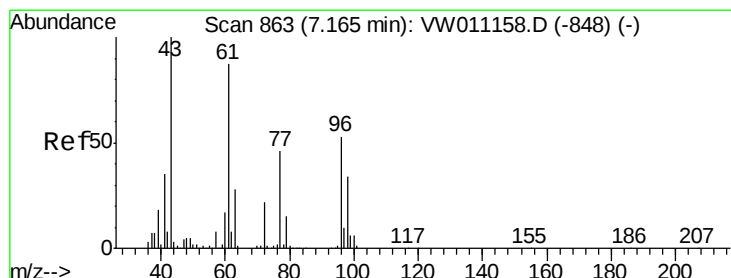
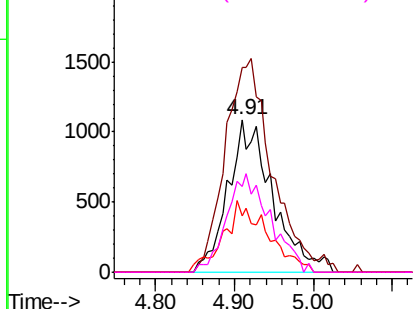
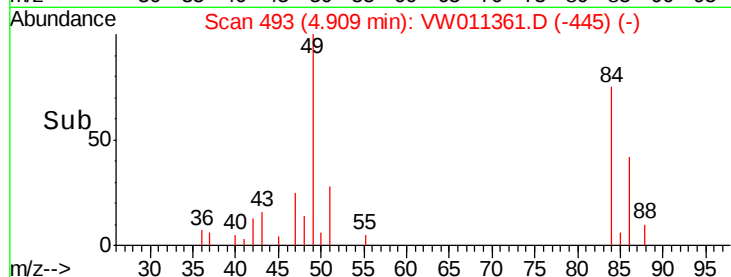
#20
Methvlene Chloride
Concen: 2.191 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011361.D
Acq: 19 Jul 2019 04:46

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 4263
Ion Ratio Lower Upper
84 100
49 134.2 123.8 185.6
51 37.2 37.4 56.2#
86 56.1 51.1 76.7

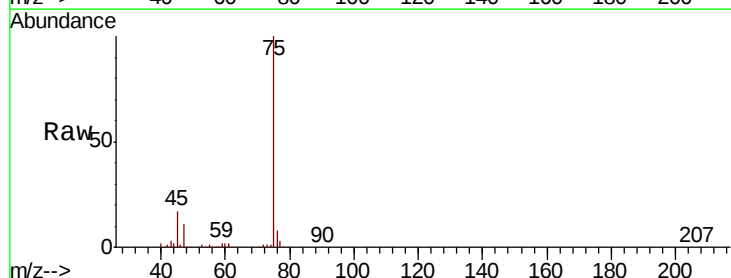


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

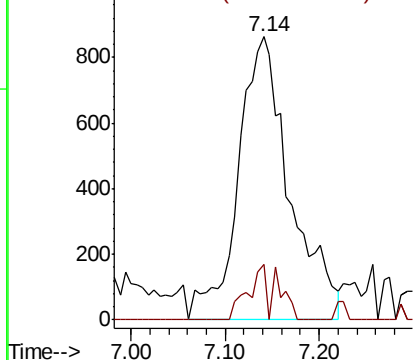
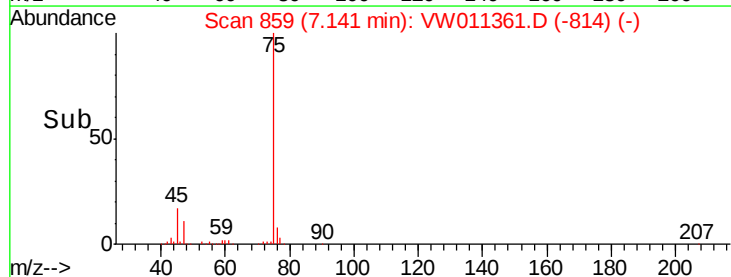


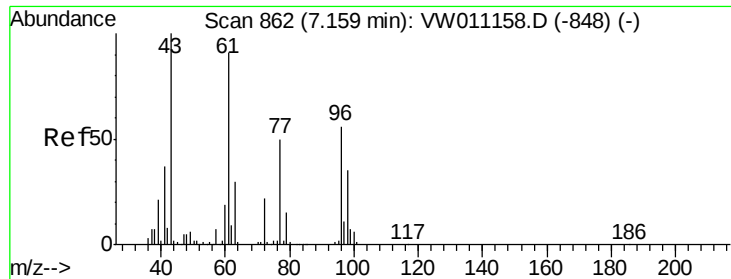
#25
2-Butanone
Concen: 4.271 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW011361.D
Acq: 19 Jul 2019 04:46

Tgt Ion: 43 Resp: 3306
Ion Ratio Lower Upper
43 100
72 19.8 17.6 26.4



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





#26

2,2-Dichloropropane

Concen: 1.513 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.02 min

Lab File: VW011361.D

Acq: 19 Jul 2019 04:46

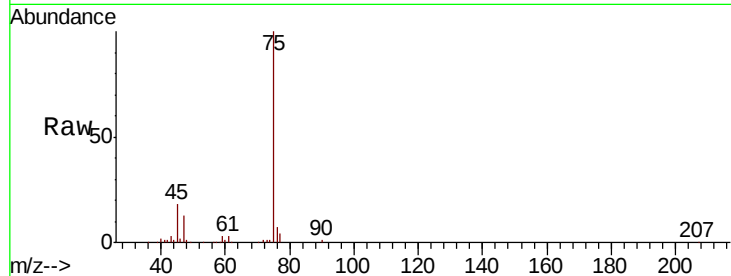
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 77 Resp: 2935

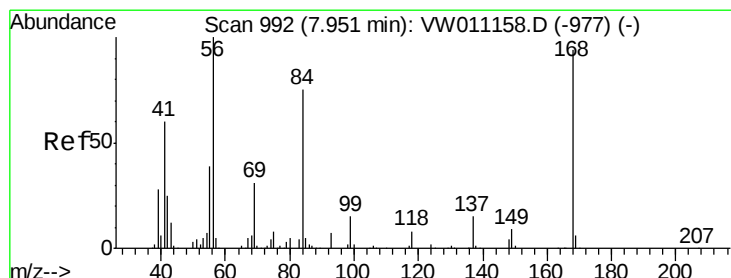
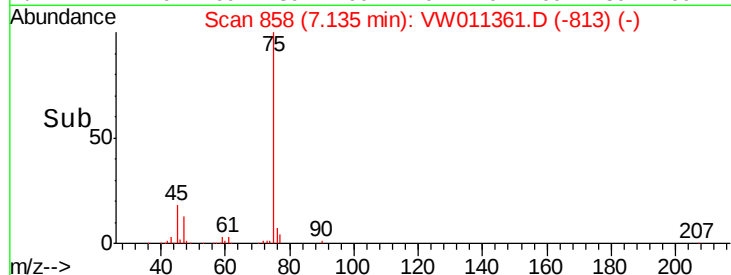
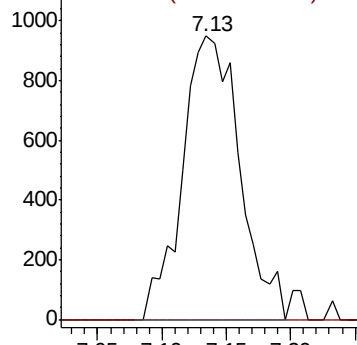
Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#



Abundance Ion 76.90 (76.60 to 77.60): VW
Ion 96.90 (96.60 to 97.60): VW



#31

Cyclohexane

Concen: 1.056 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011361.D

Acq: 19 Jul 2019 04:46

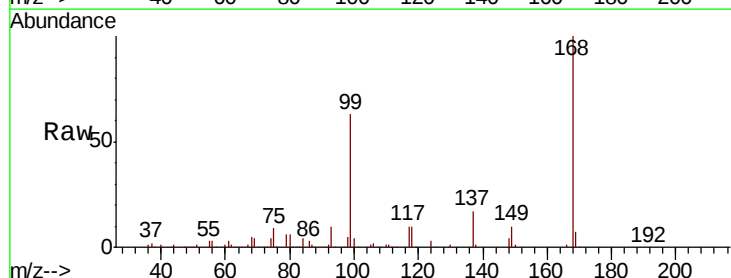
Tgt Ion: 56 Resp: 4193

Ion Ratio Lower Upper

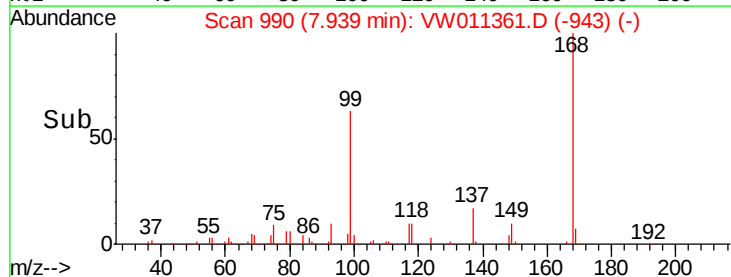
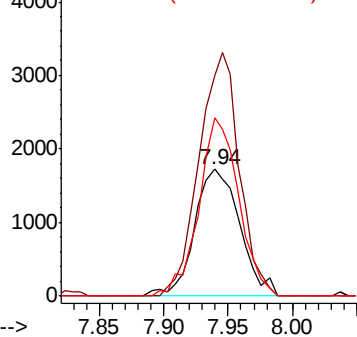
56 100

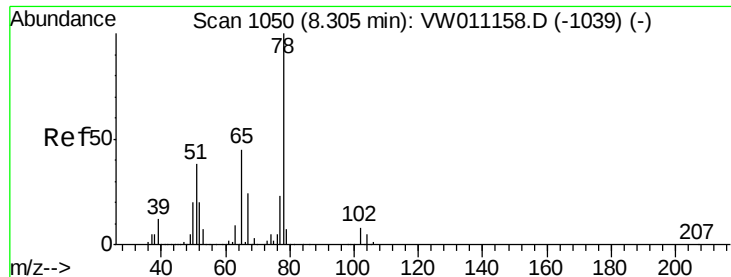
69 173.4 24.6 36.8#

84 140.8 60.1 90.1#



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

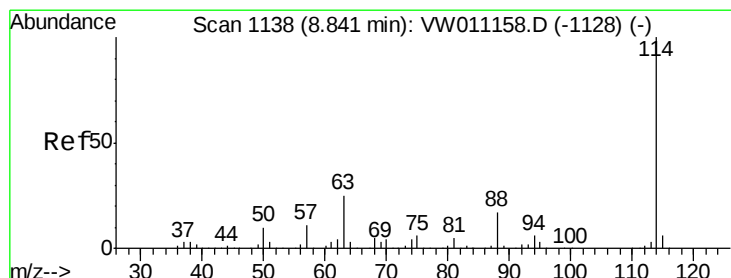
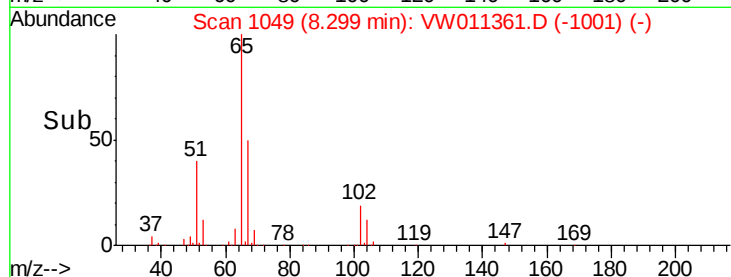
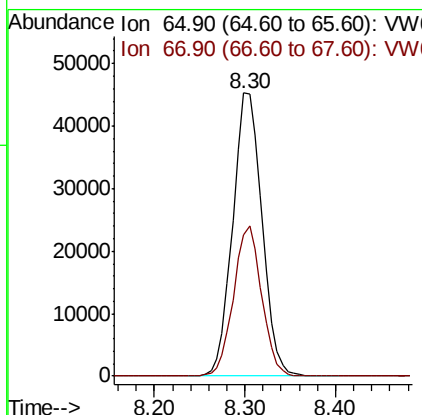
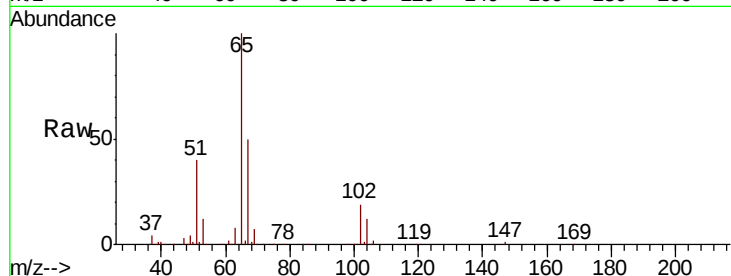




#33
 1,2-Dichloroethane-d4
 Concen: 49.509 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011361.D
 Acq: 19 Jul 2019 04:46

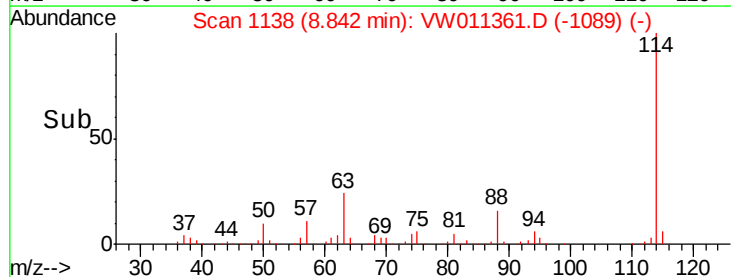
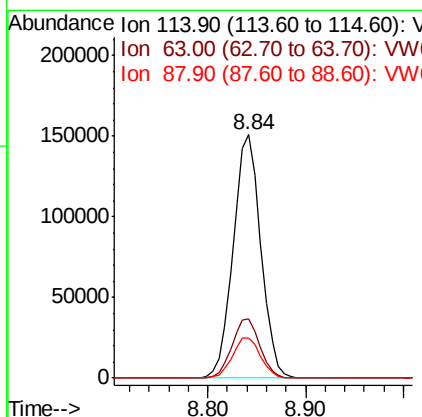
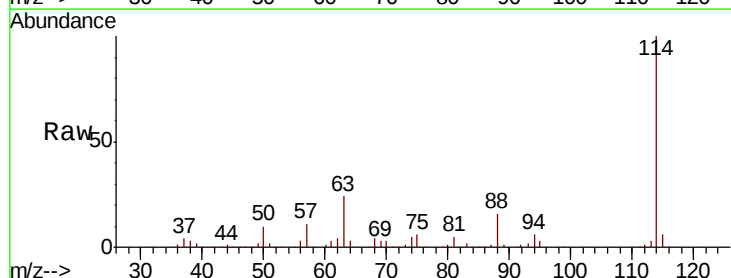
Instrument :
 MSVOA_W
 ClientSampled :

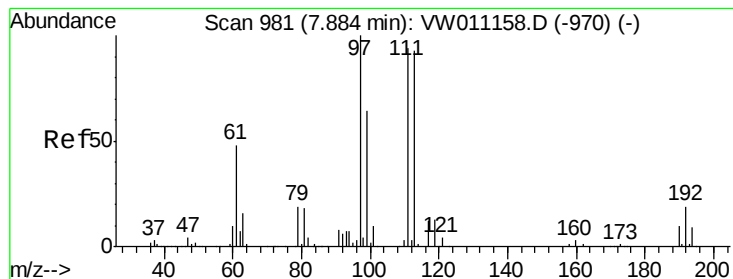
Tot Ion: 65 Resp: 101465
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011361.D
 Acq: 19 Jul 2019 04:46

Tgt Ion: 114 Resp: 294845
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 50.8
 88 16.2 0.0 34.2





#35

Dibromofluoromethane

Concen: 42.869 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011361.D

Acq: 19 Jul 2019 04:46

Instrument :

MSVOA_W

ClientSampleId :

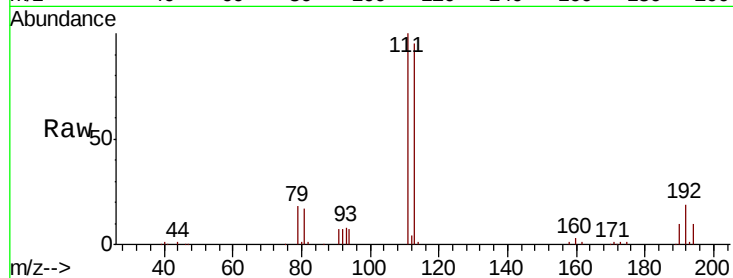
Tot Ion:113 Resp: 75339

Ion Ratio Lower Upper

113 100

111 105.3 82.4 123.6

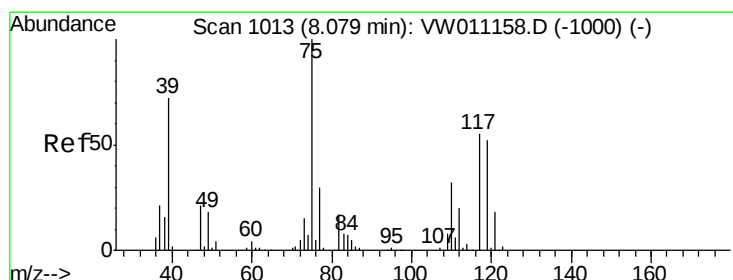
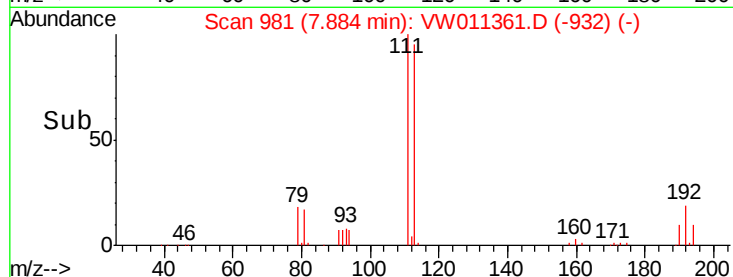
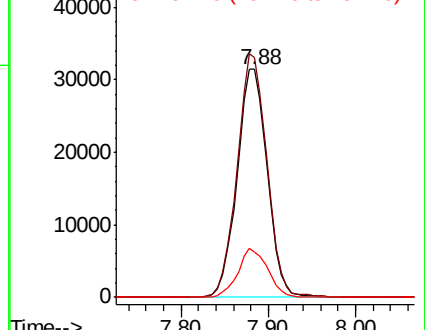
192 21.0 15.8 23.8



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: 4.702 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011361.D

Acq: 19 Jul 2019 04:46

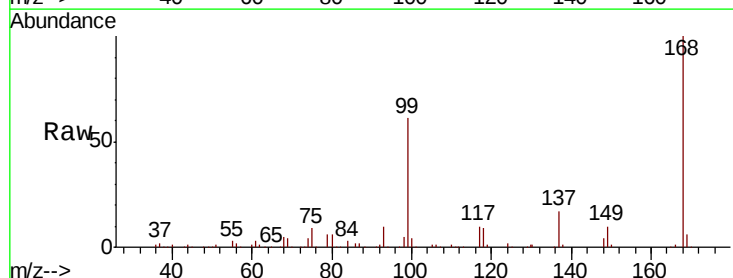
Tgt Ion: 75 Resp: 14763

Ion Ratio Lower Upper

75 100

110 7.6 15.9 47.6#

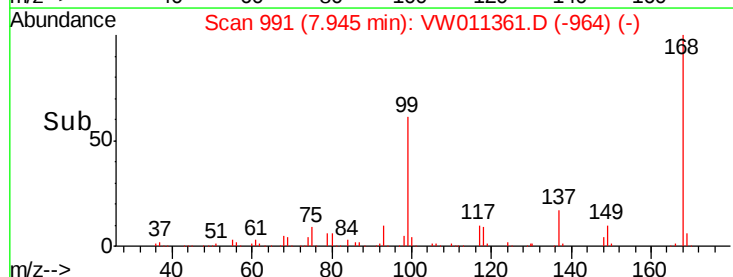
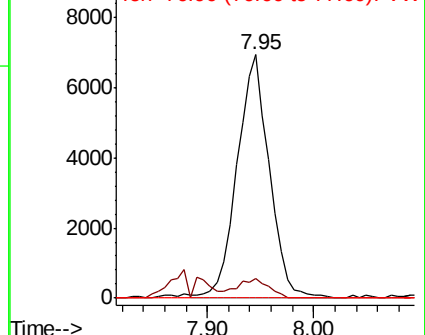
77 0.0 24.6 36.8#

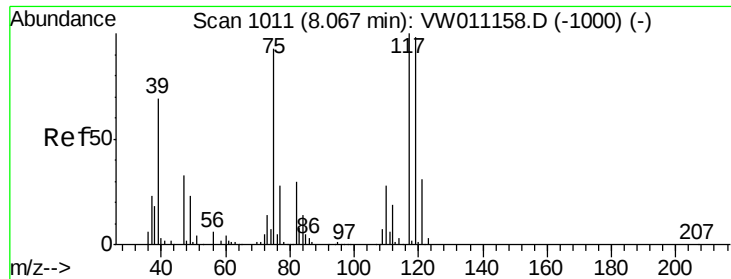


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.260 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011361.D

Acq: 19 Jul 2019 04:46

Instrument :

MSVOA_W

ClientSampleId :

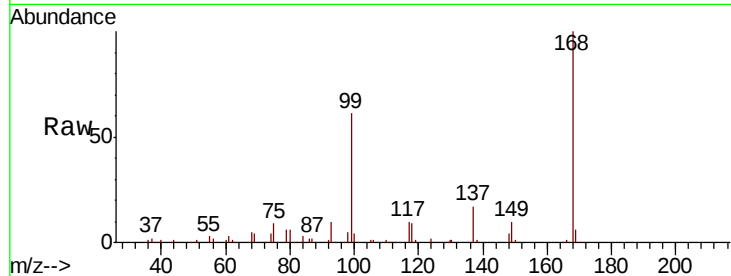
Tot Ion:117 Resp: 16663

Ion Ratio Lower Upper

117 100

119 5.1 78.1 117.1#

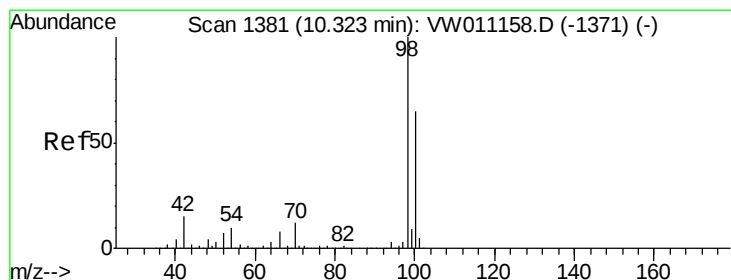
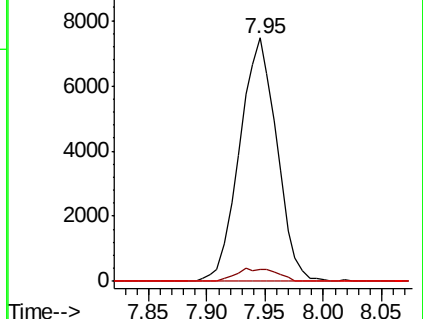
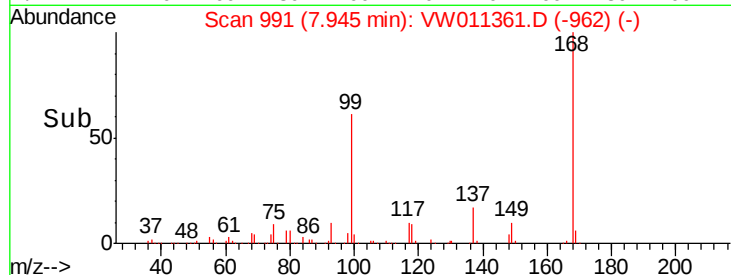
121 0.0 25.1 37.7#



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: 41.617 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011361.D

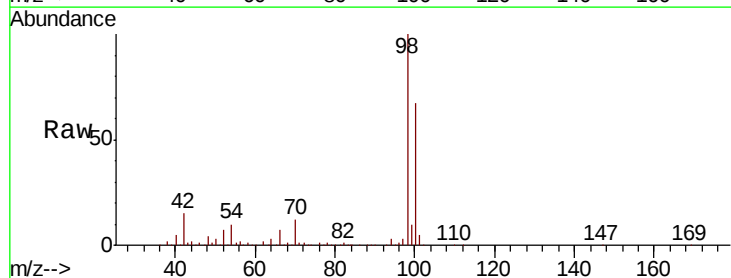
Acq: 19 Jul 2019 04:46

Tgt Ion: 98 Resp: 295637

Ion Ratio Lower Upper

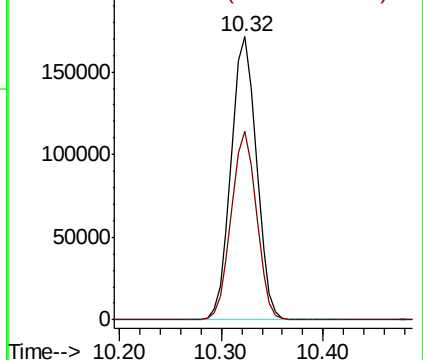
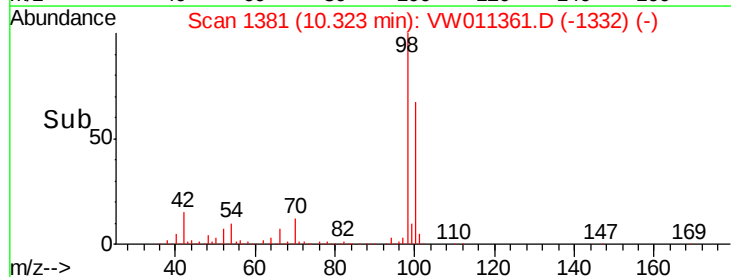
98 100

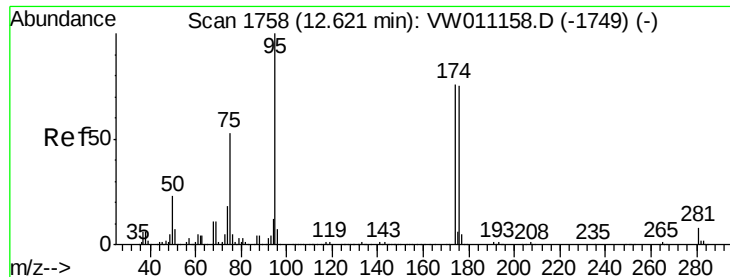
100 66.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

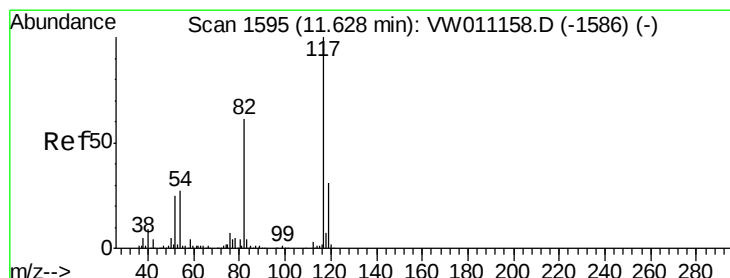
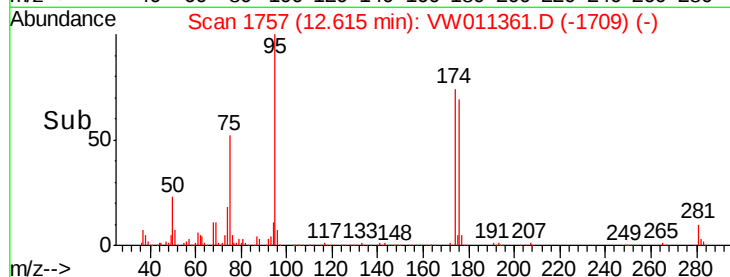
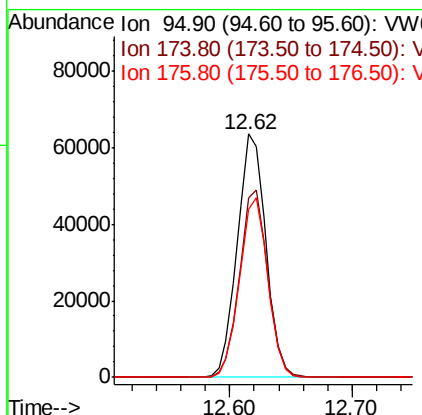
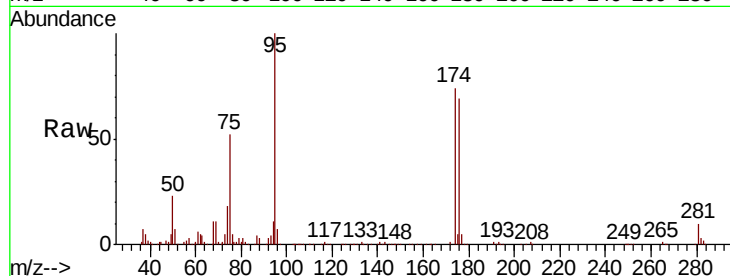




#62
4-Bromofluorobenzene
Concen: 39.459 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011361.D
Acq: 19 Jul 2019 04:46

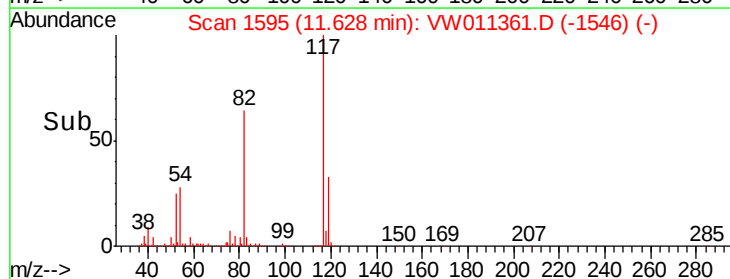
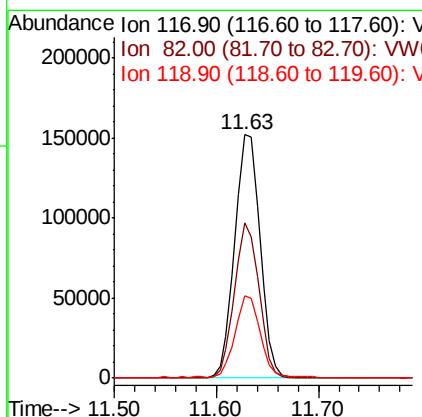
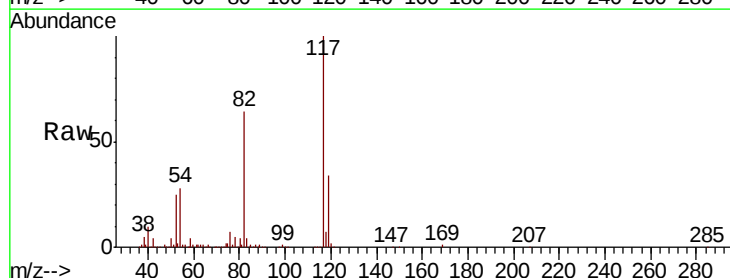
Instrument :
MSVOA_W
ClientSampleId :

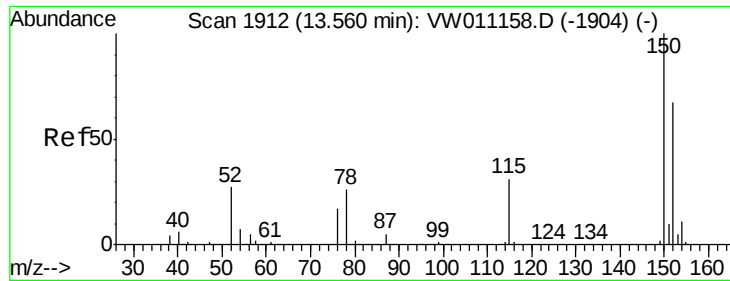
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	147.6
176	73.1	0.0	144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011361.D
Acq: 19 Jul 2019 04:46

Tgt Ion	Ratio	Lower	Upper
117	100		
82	63.9	48.9	73.3
119	33.4	25.0	37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011361.D

Acq: 19 Jul 2019 04:46

Instrument :

MSVOA_W

ClientSampleId :

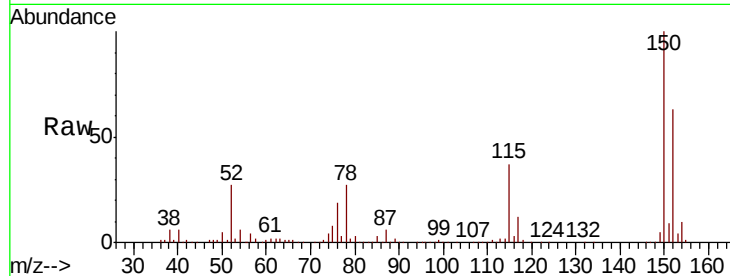
Tot Ion:152 Resp: 118820

Ion Ratio Lower Upper

152 100

115 60.0 30.1 90.3

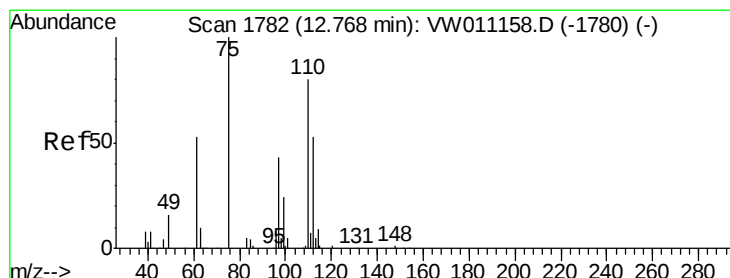
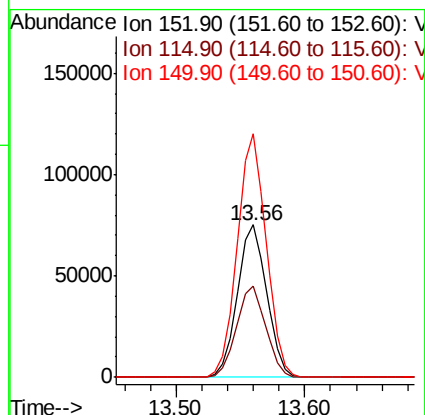
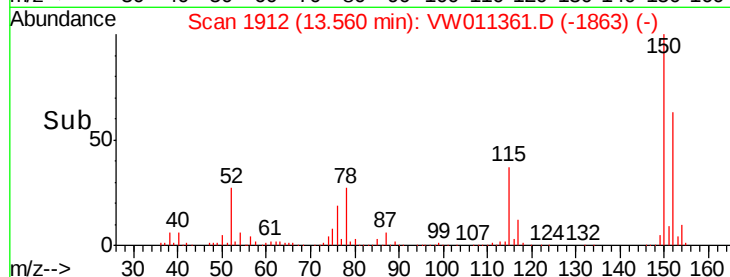
150 157.0 0.0 346.0



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: 40.070 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011361.D

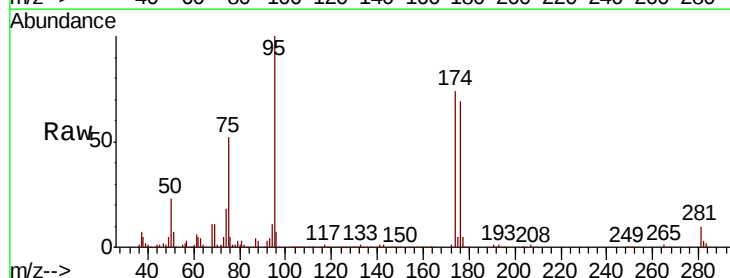
Acq: 19 Jul 2019 04:46

Tgt Ion: 75 Resp: 55021

Ion Ratio Lower Upper

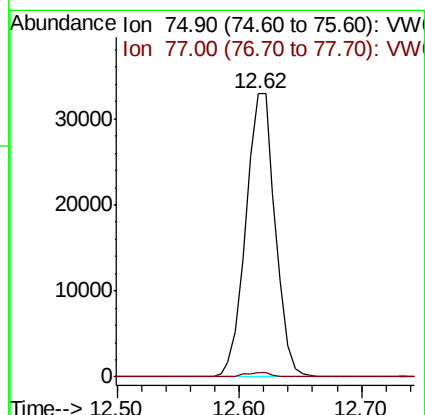
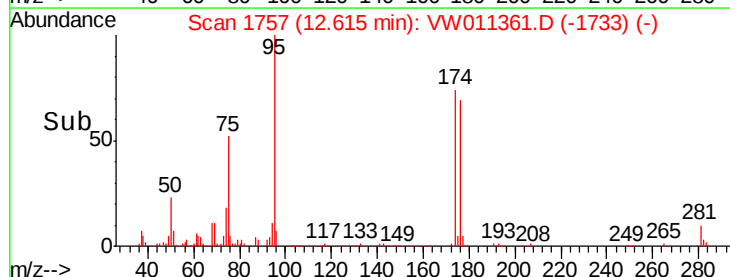
75 100

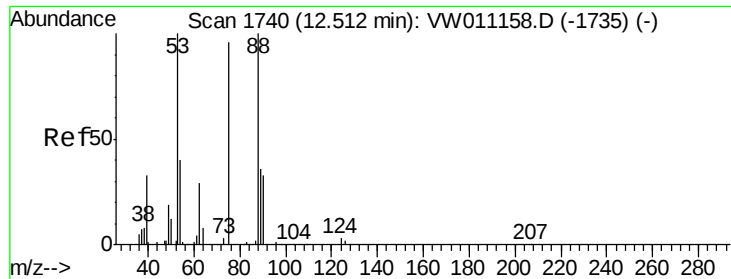
77 1.4 0.0 0.0#



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: 90.631 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011361.D

Acq: 19 Jul 2019 04:46

Instrument :

MSVOA_W

ClientSampleId :

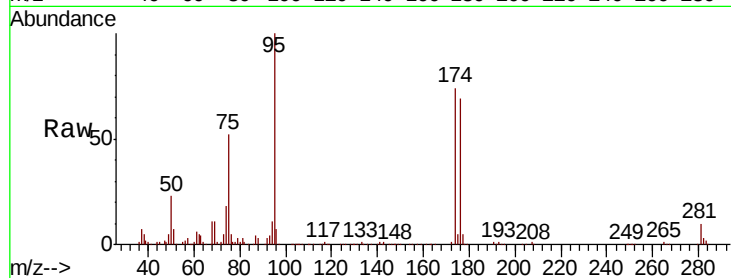
Tot Ion: 75 Resp: 55021

Ion Ratio Lower Upper

75 100

53 0.1 89.8 134.6#

89 0.1 34.3 51.5#



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

