

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
 Data File : VW012878.D
 Acq On : 10 Sep 2019 18:33
 Operator : SY/VA
 Sample : K4692-13
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-26-7.5-8.0

Quant Time: Sep 11 08:19:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	43586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	62893	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	47221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	12678	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	23279	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
35) Dibromofluoromethane	7.88	113	19241	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
50) Toluene-d8	10.32	98	70178	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
62) 4-Bromofluorobenzene	12.62	95	17435	32.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.56%	

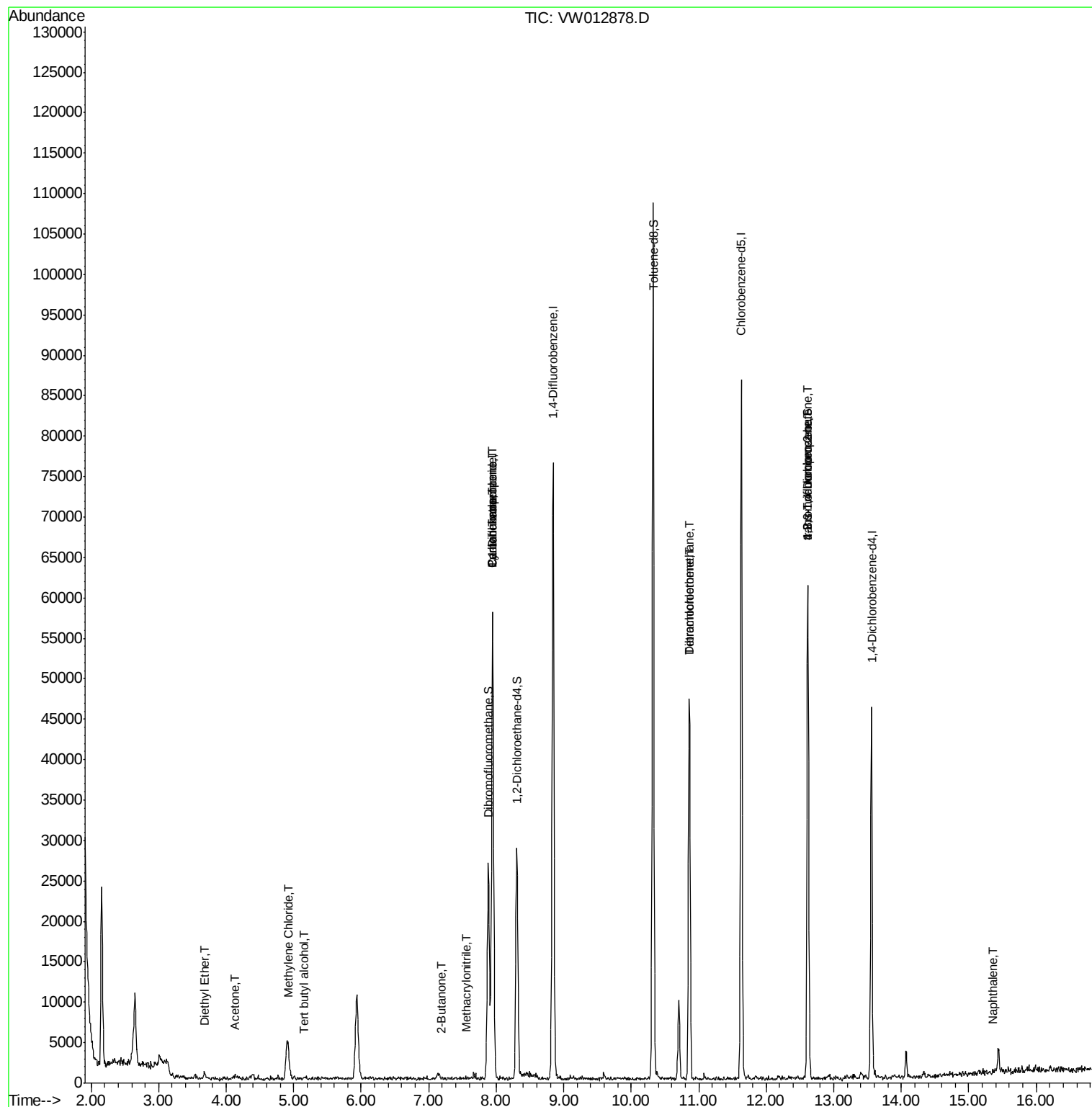
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	271	1.327	ug/l	48
11) Tert butyl alcohol	5.15	59	45	1.208	ug/l #	72
16) Acetone	4.14	43	1007	7.585	ug/l #	83
20) Methylene Chloride	4.92	84	3418	8.229	ug/l	94
25) 2-Butanone	7.18	43	34	19.840	ug/l #	53
31) Cyclohexane	7.95	56	1105	1.544	ug/l #	15
36) 1,1-Dichloropropene	7.94	75	3362	6.016	ug/l #	53
38) Carbon Tetrachloride	7.94	117	4330	7.860	ug/l #	17
41) Methacrylonitrile	7.56	41	27	3.942	ug/l #	52
60) Dibromochloromethane	10.87	129	9481	26.443	ug/l #	11
64) Tetrachloroethene	10.86	164	11272	39.340	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	9054	69.841	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	9054	147.718	ug/l #	6
95) Naphthalene	15.36	128	71	4.561	ug/l #	69

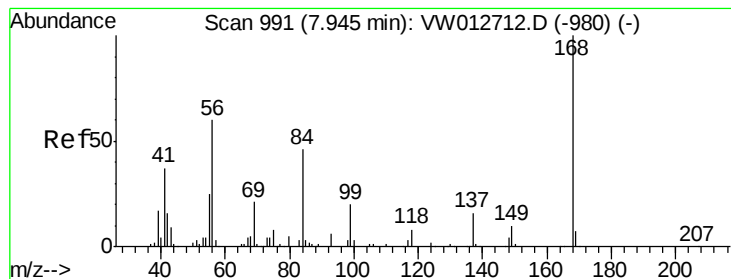
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
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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: VW012878.D

Acq: 10 Sep 2019 18:33

Instrument :

MSVOA_W

ClientSampleId :

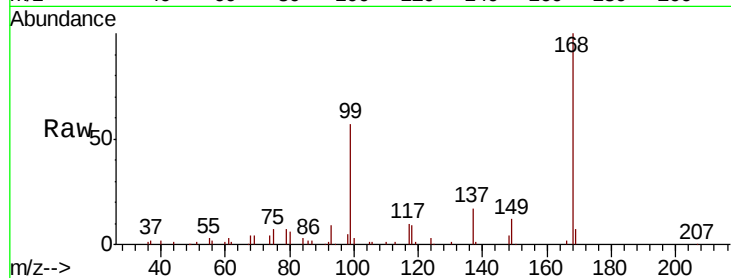
SB-26-7.5-8.0

Tgt Ion:168 Resp: 43586

Ion Ratio Lower Upper

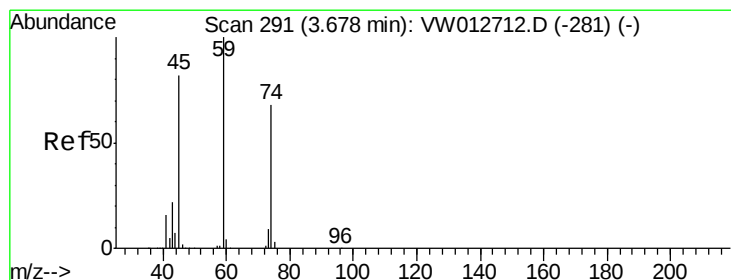
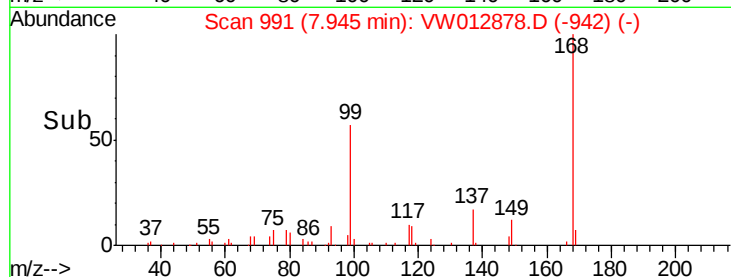
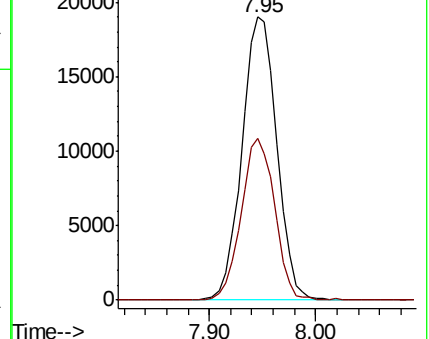
168 100

99 57.3 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.327 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012878.D

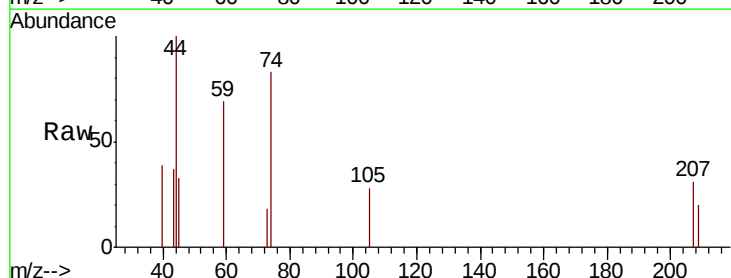
Acq: 10 Sep 2019 18:33

Tgt Ion: 74 Resp: 271

Ion Ratio Lower Upper

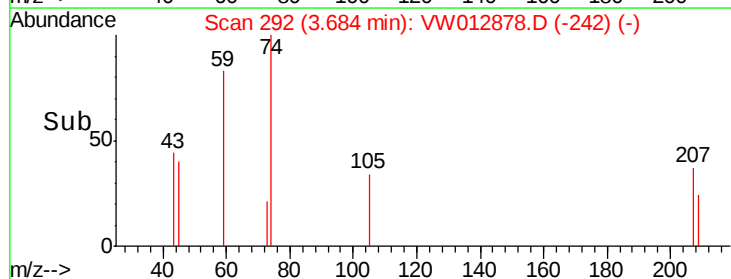
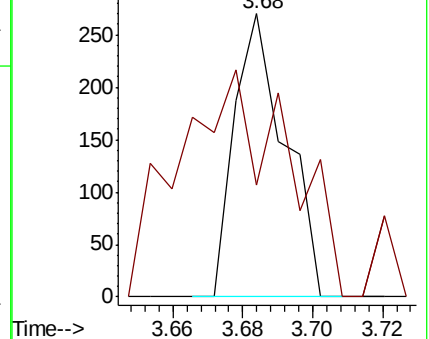
74 100

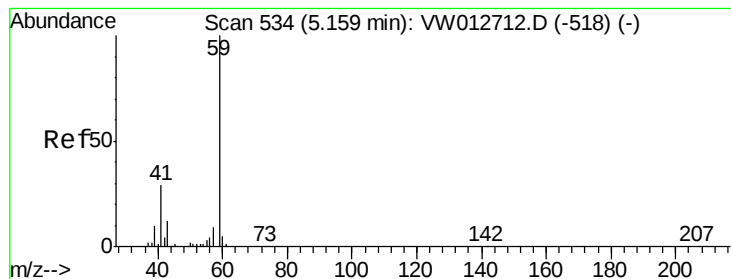
45 174.2 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 1.208 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW012878.D

Acq: 10 Sep 2019 18:33

Instrument :

MSVOA_W

ClientSampleId :

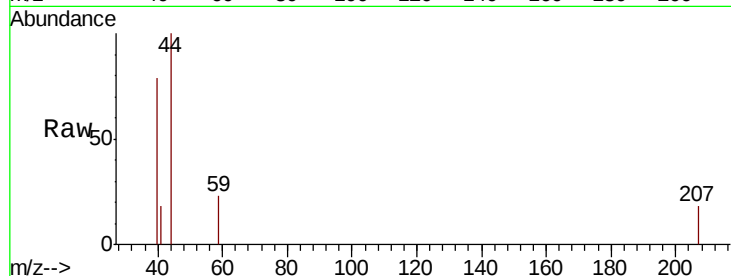
SB-26-7.5-8.0

Tgt Ion: 59 Resp: 45

Ion Ratio Lower Upper

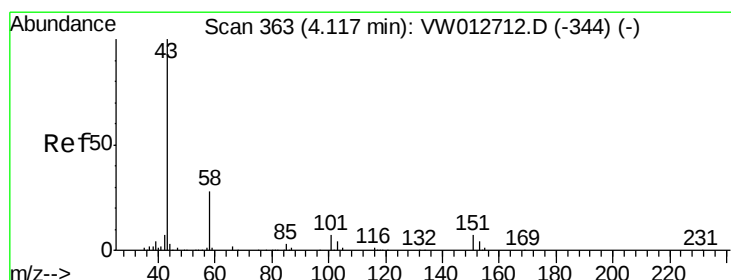
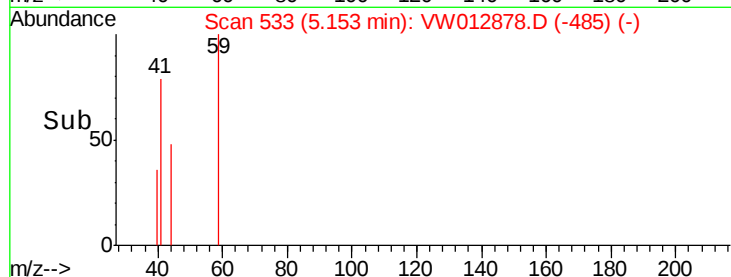
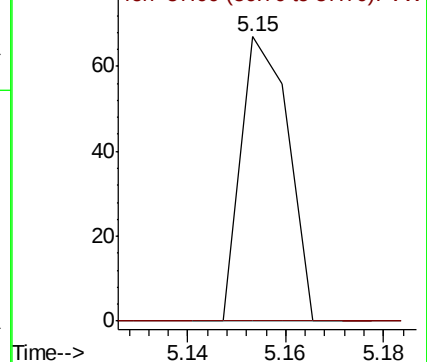
59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#16

Acetone

Concen: 7.585 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012878.D

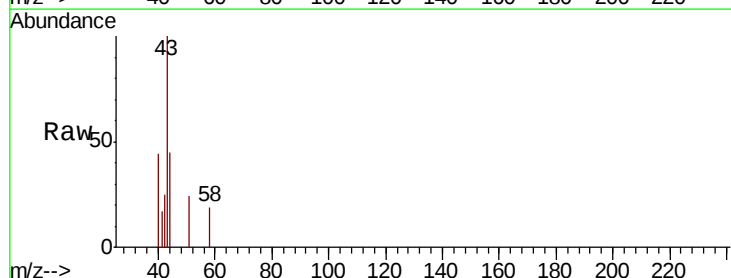
Acq: 10 Sep 2019 18:33

Tgt Ion: 43 Resp: 1007

Ion Ratio Lower Upper

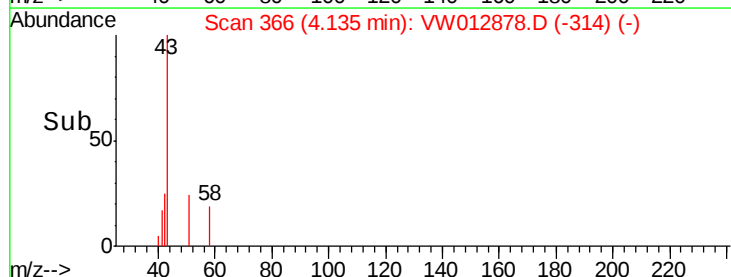
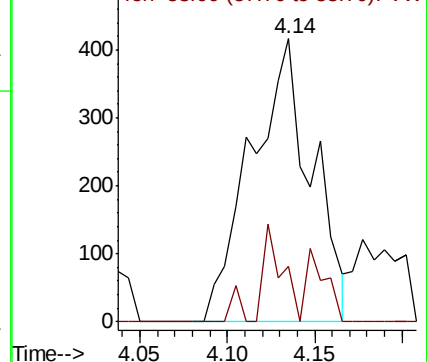
43 100

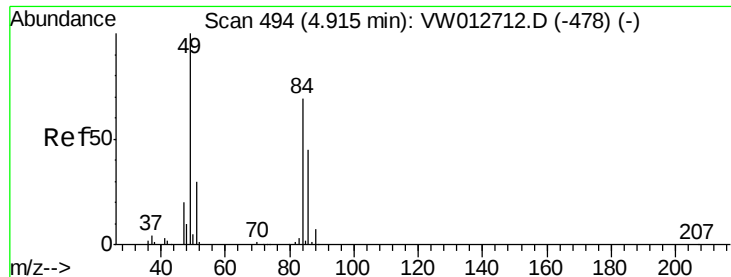
58 19.4 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

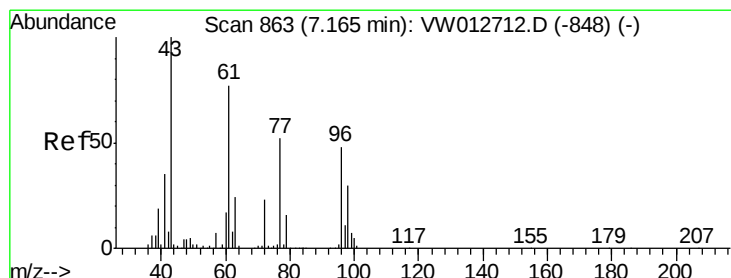
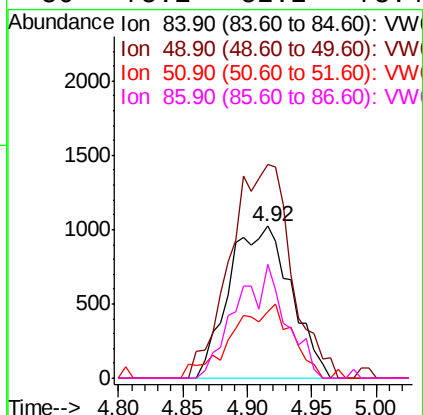
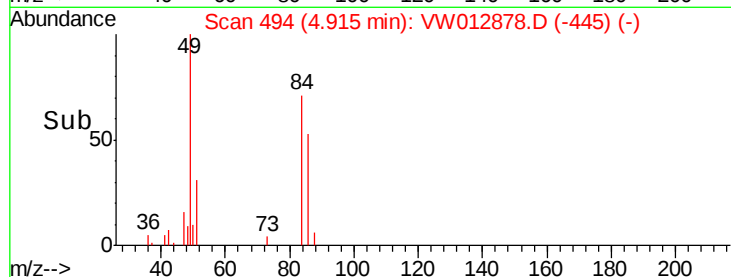
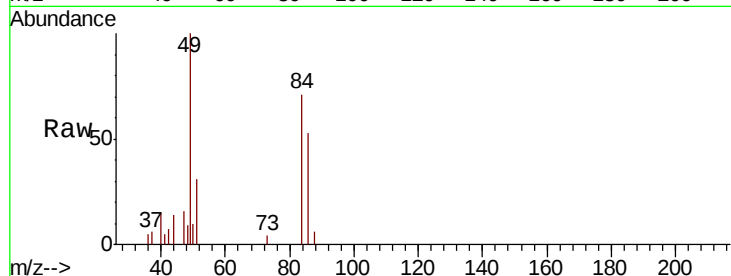




#20
Methylene Chloride
Concen: 8.229 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW012878.D
Acq: 10 Sep 2019 18:33

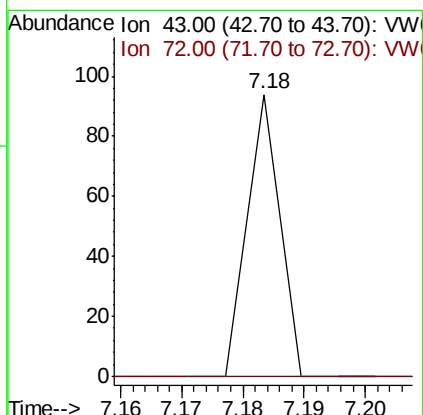
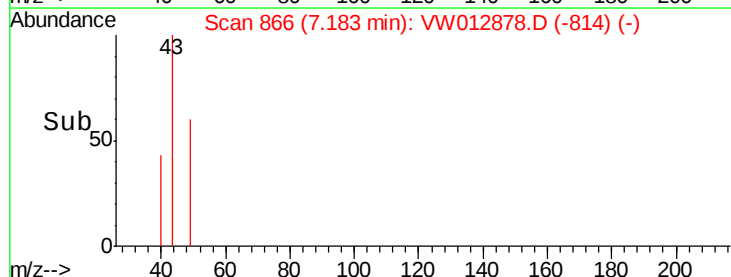
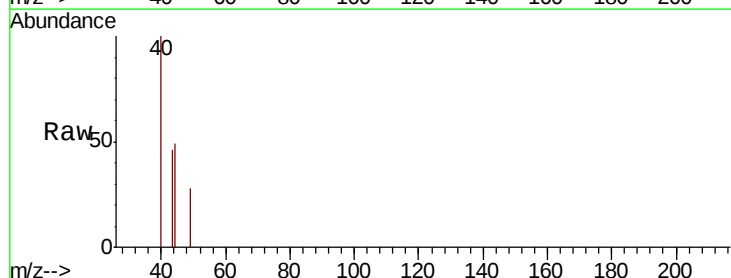
Instrument :
MSVOA_W
ClientSampleId :
SB-26-7.5-8.0

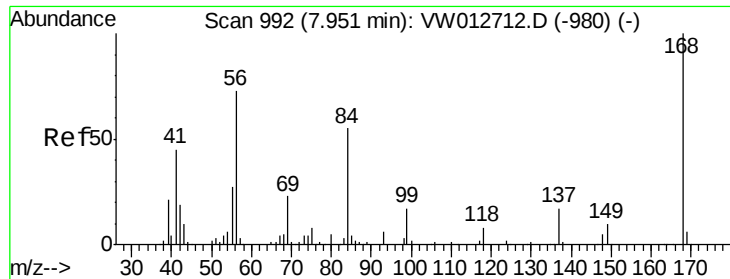
Tgt Ion: 84 Resp: 3418
Ion Ratio Lower Upper
84 100
49 140.6 115.4 173.0
51 38.3 34.9 52.3
86 75.1 52.2 78.4



#25
2-Butanone
Concen: 19.840 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.02 min
Lab File: VW012878.D
Acq: 10 Sep 2019 18:33

Tgt Ion: 43 Resp: 34
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#

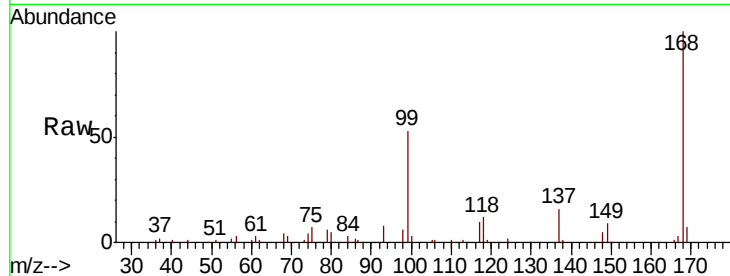




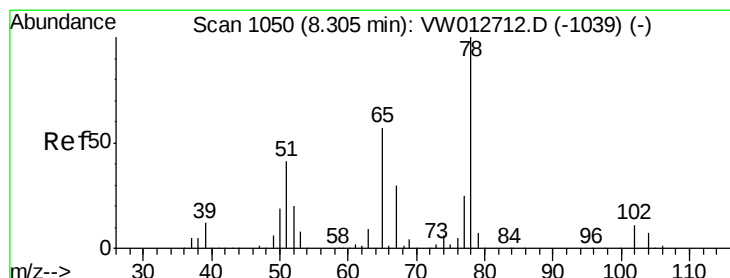
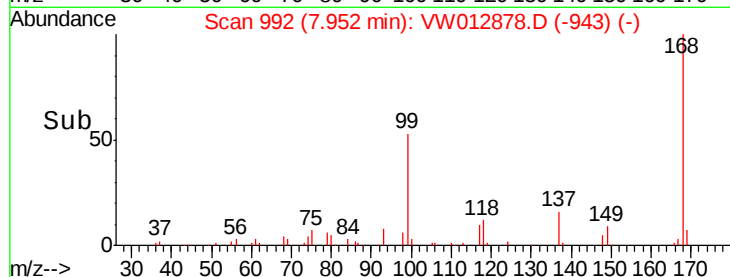
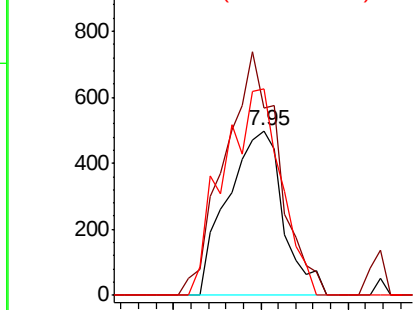
#31
Cyclohexane
Concen: 1.544 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW012878.D
Acq: 10 Sep 2019 18:33

Instrument :
MSVOA_W
ClientSampleId :
SB-26-7.5-8.0

Tgt Ion: 56 Resp: 1105
Ion Ratio Lower Upper
56 100
69 114.1 25.7 38.5#
84 125.7 60.4 90.6#

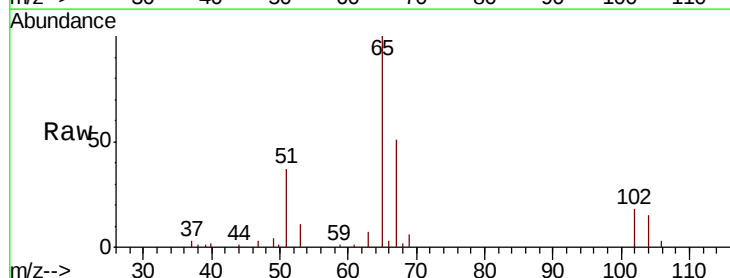


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

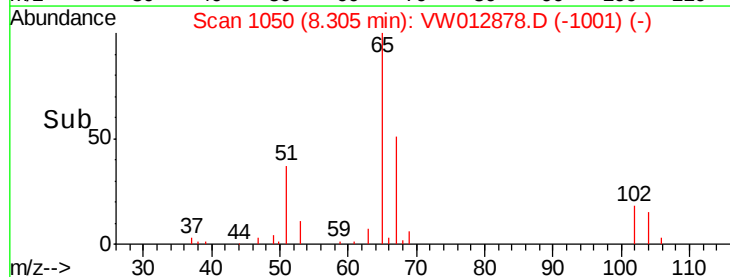
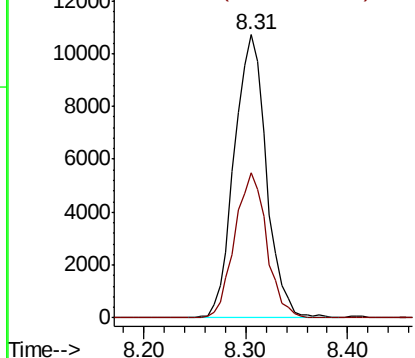


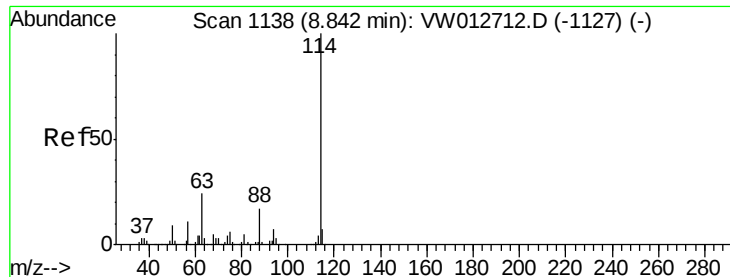
#33
1,2-Dichloroethane-d4
Concen: 47.801 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW012878.D
Acq: 10 Sep 2019 18:33

Tgt Ion: 65 Resp: 23279
Ion Ratio Lower Upper
65 100
67 51.1 0.0 101.8



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

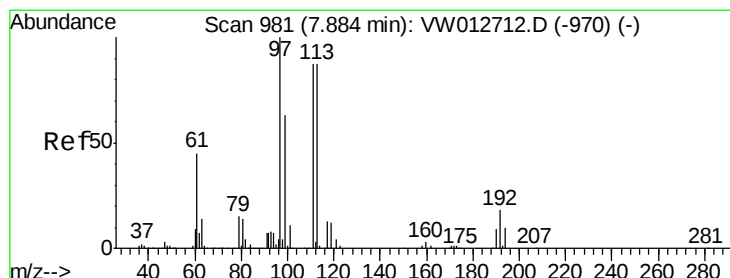
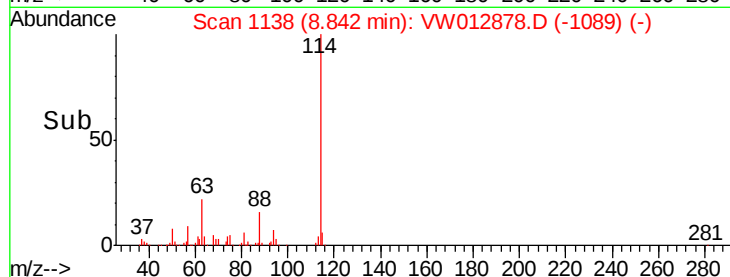
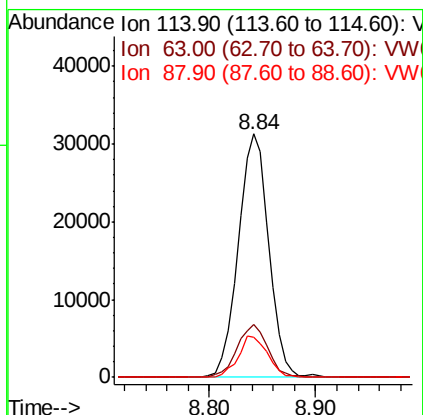
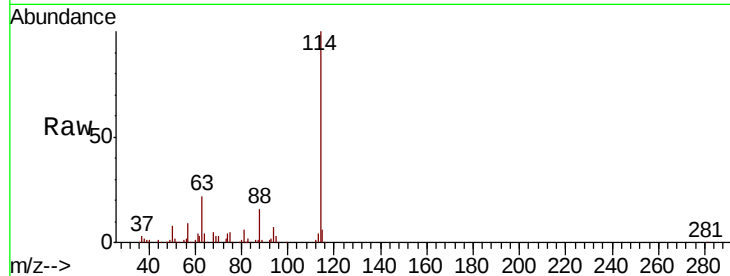




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012878.D
 Acq: 10 Sep 2019 18:33

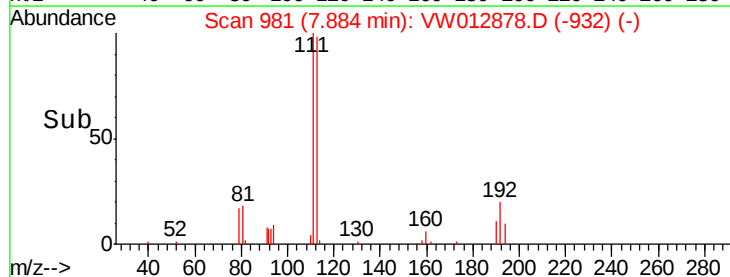
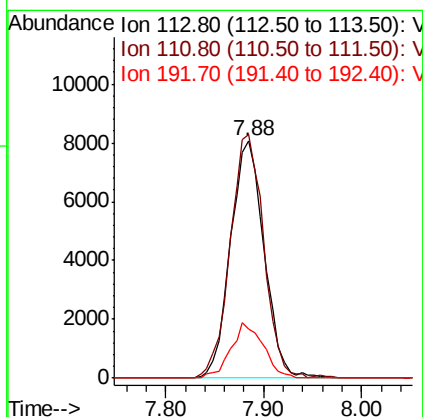
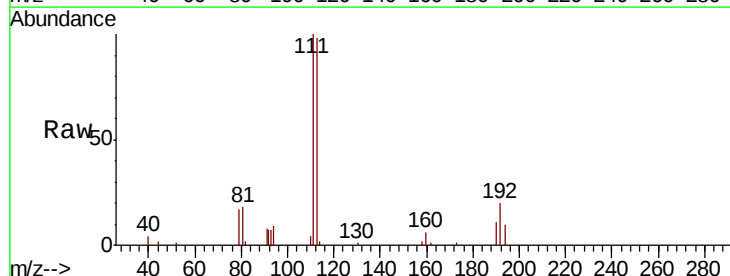
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-26-7.5-8.0

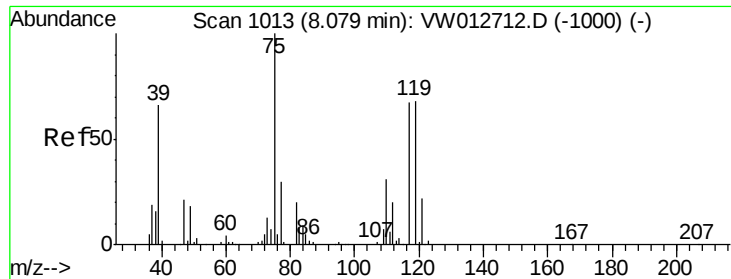
Tgt Ion:114 Resp: 62893
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 47.2
 88 16.5 0.0 34.0



#35
 Dibromofluoromethane
 Concen: 51.458 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012878.D
 Acq: 10 Sep 2019 18:33

Tgt Ion:113 Resp: 19241
 Ion Ratio Lower Upper
 113 100
 111 101.7 80.2 120.4
 192 22.4 17.3 25.9





#36

1,1-Dichloropropene

Concen: 6.016 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012878.D

Acq: 10 Sep 2019 18:33

Instrument :

MSVOA_W

ClientSampled :

SB-26-7.5-8.0

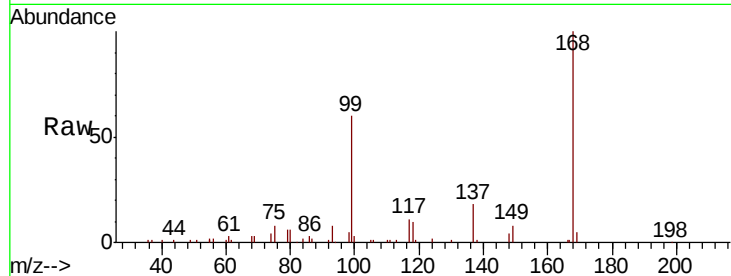
Tgt Ion: 75 Resp: 3362

Ion Ratio Lower Upper

75 100

110 11.3 15.9 47.7#

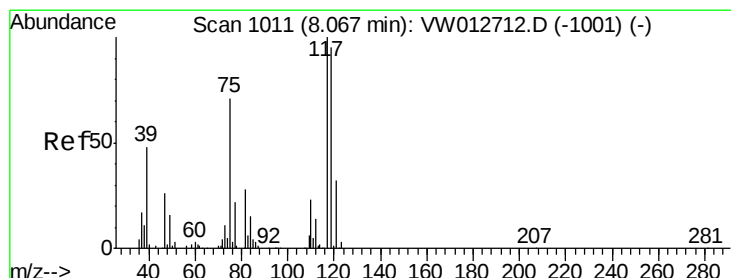
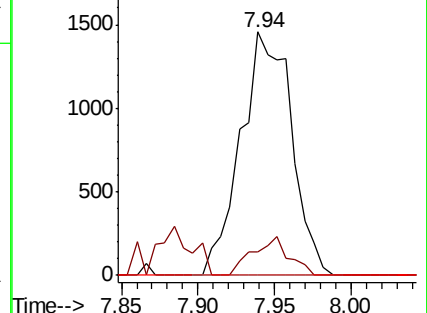
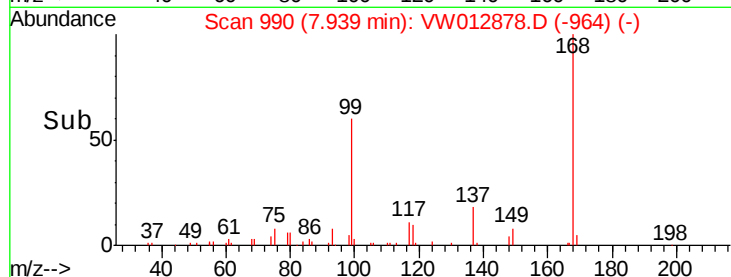
77 0.0 25.0 37.4#



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: 7.860 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012878.D

Acq: 10 Sep 2019 18:33

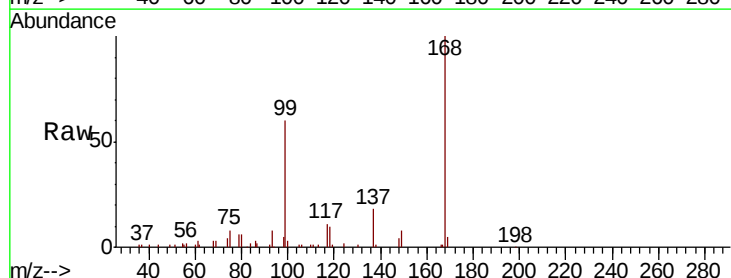
Tgt Ion: 117 Resp: 4330

Ion Ratio Lower Upper

117 100

119 6.2 76.2 114.2#

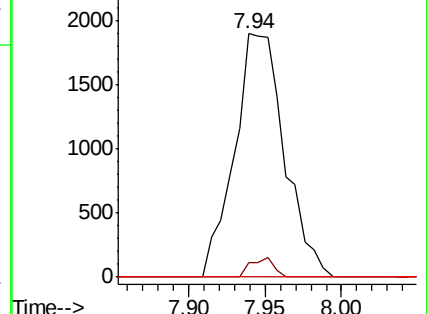
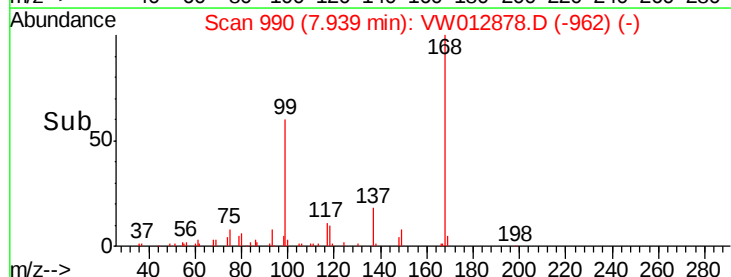
121 0.0 25.4 38.2#

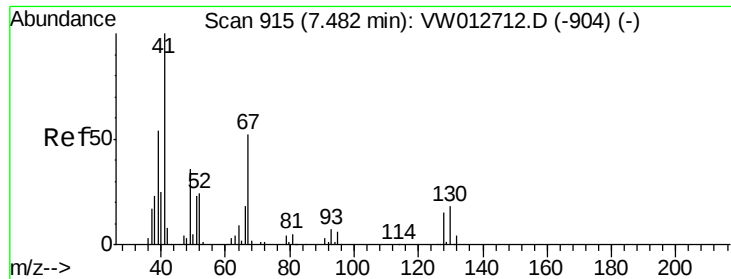


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#41

Methacrylonitrile

Concen: 3.942 ug/l

RT: 7.56 min Scan# 928

Delta R.T. 0.08 min

Lab File: VW012878.D

Acq: 10 Sep 2019 18:33

Instrument :

MSVOA_W

ClientSampleId :

SB-26-7.5-8.0

Tgt Ion: 41 Resp: 27

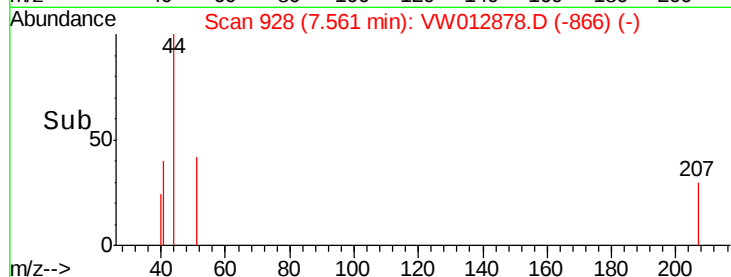
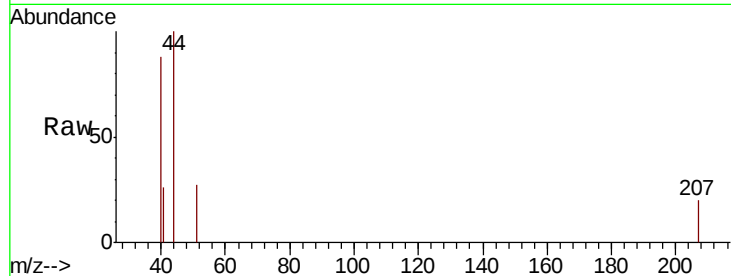
Ion Ratio Lower Upper

41 100

39 74.1 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

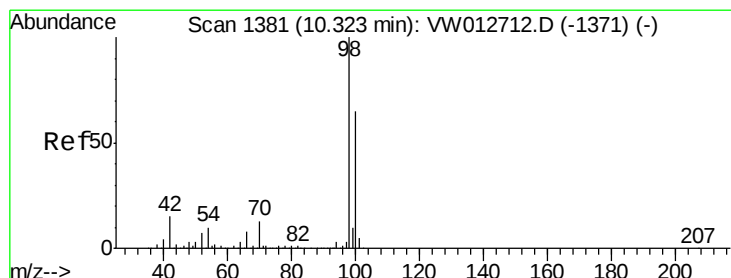
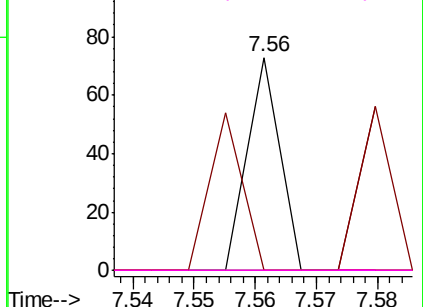


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 47.906 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012878.D

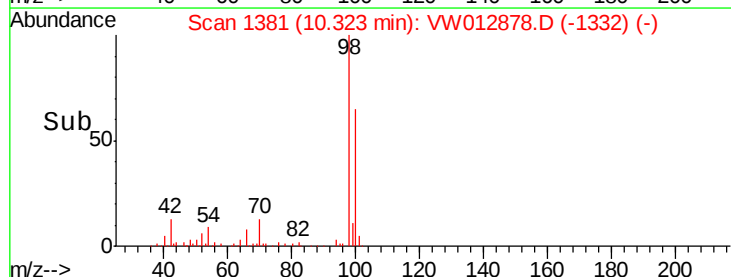
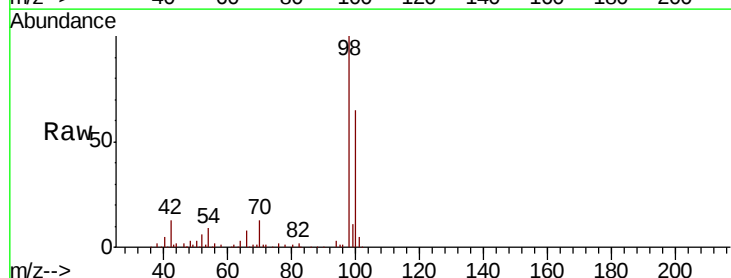
Acq: 10 Sep 2019 18:33

Tgt Ion: 98 Resp: 70178

Ion Ratio Lower Upper

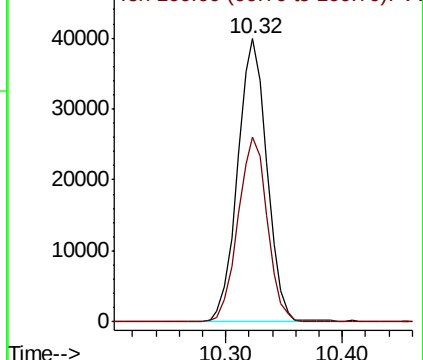
98 100

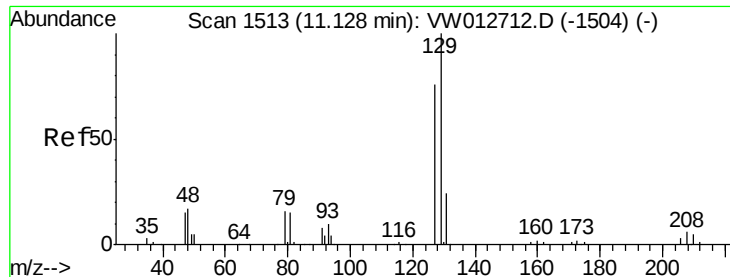
100 65.0 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

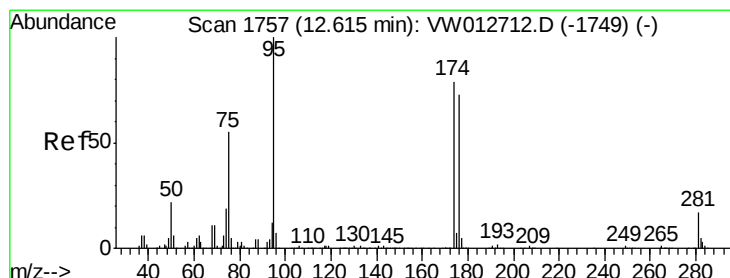
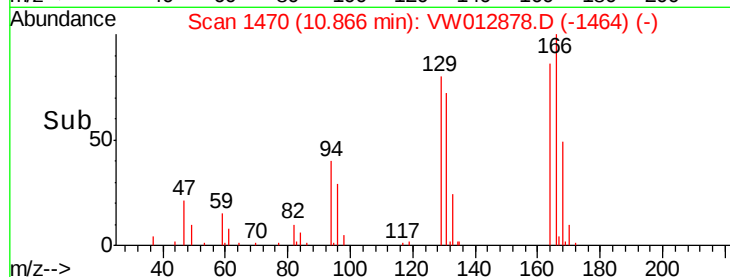
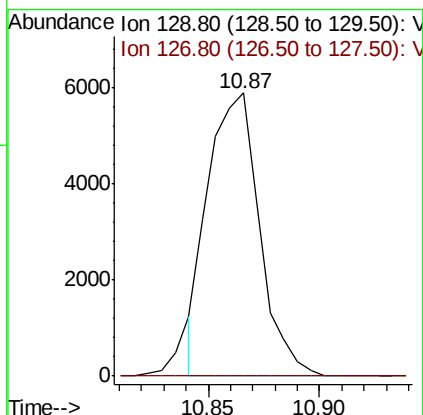
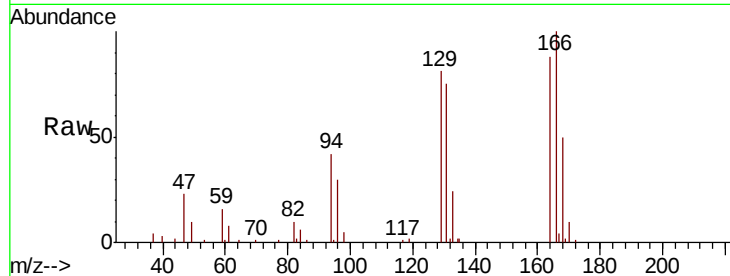




#60
 Dibromochloromethane
 Concen: 26.443 ug/l
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.26 min
 Lab File: VW012878.D
 Acq: 10 Sep 2019 18:33

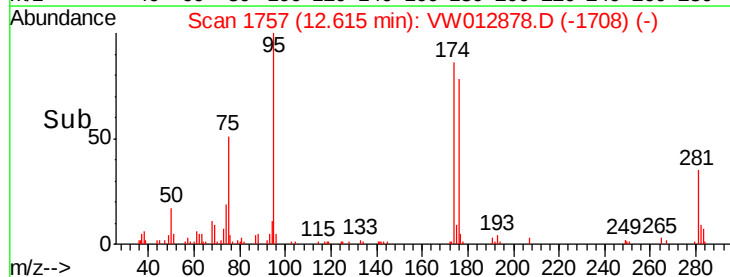
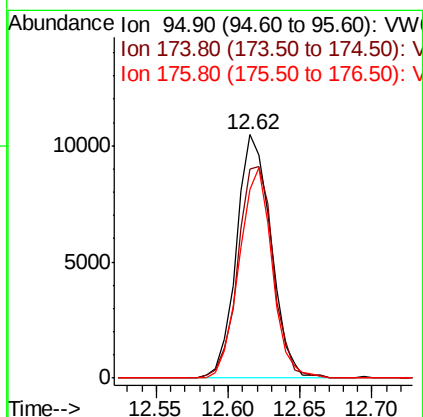
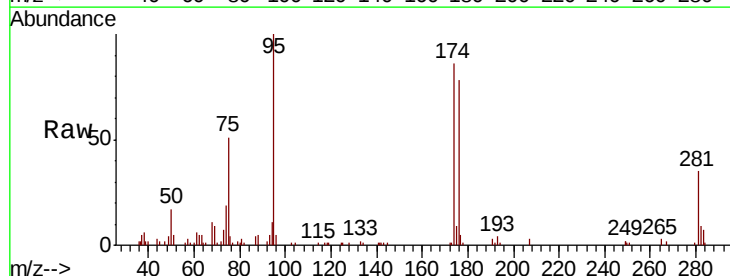
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-26-7.5-8.0

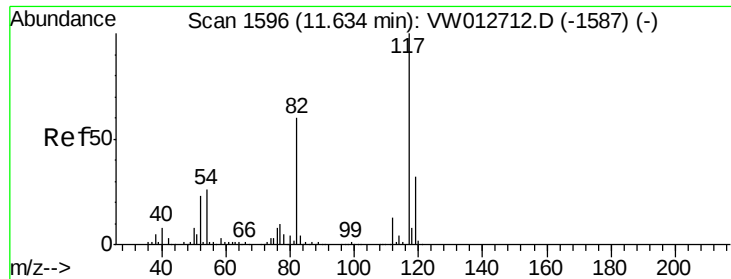
Tgt Ion: 129 Resp: 9481
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 115.8#



#62
 4-Bromofluorobenzene
 Concen: 32.784 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012878.D
 Acq: 10 Sep 2019 18:33

Tgt Ion: 95 Resp: 17435
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 161.0
 176 82.1 0.0 156.4

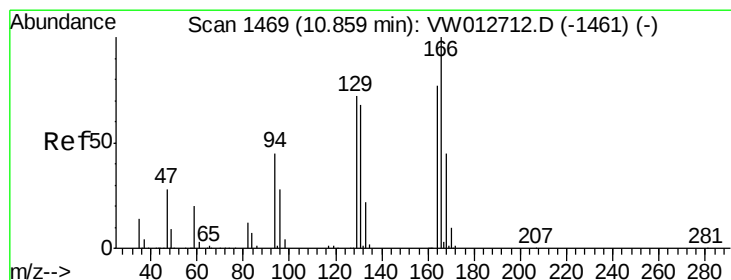
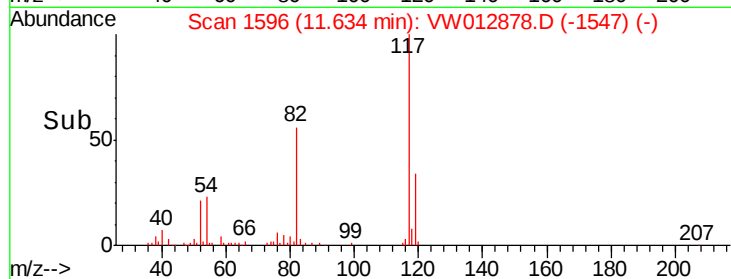
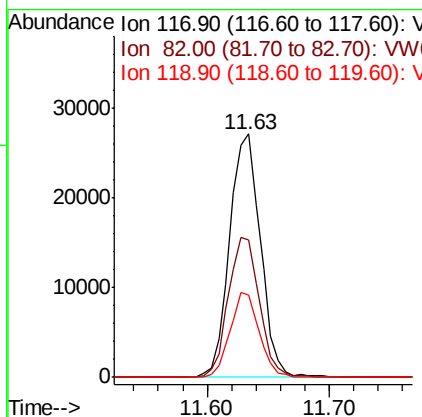
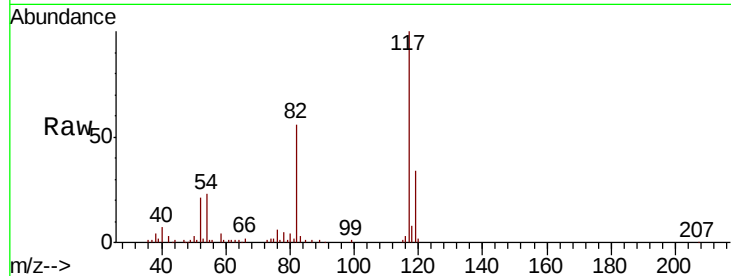




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012878.D
Acq: 10 Sep 2019 18:33

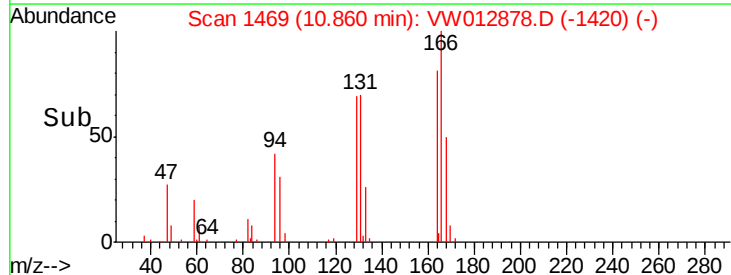
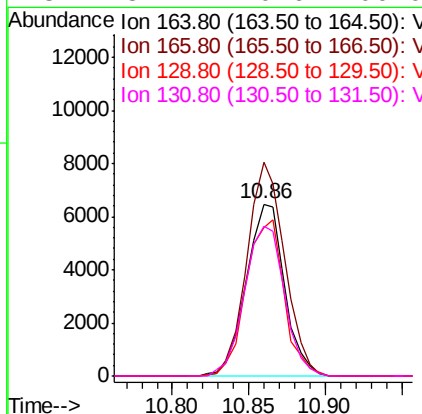
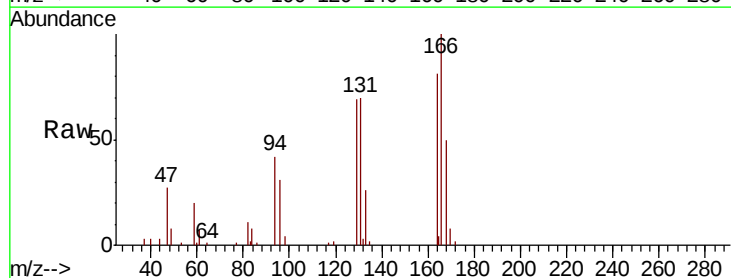
Instrument :
MSVOA_W
ClientSampleId :
SB-26-7.5-8.0

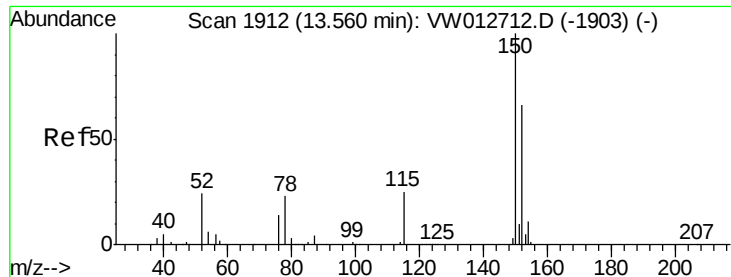
Tgt Ion:117 Resp: 47221
Ion Ratio Lower Upper
117 100
82 56.2 48.2 72.4
119 33.9 25.8 38.6



#64
Tetrachloroethene
Concen: 39.340 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012878.D
Acq: 10 Sep 2019 18:33

Tgt Ion:164 Resp: 11272
Ion Ratio Lower Upper
164 100
166 124.1 103.6 155.4
129 86.0 74.6 112.0
131 87.4 70.6 106.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012878.D

Acq: 10 Sep 2019 18:33

Instrument :

MSVOA_W

ClientSampleId :

SB-26-7.5-8.0

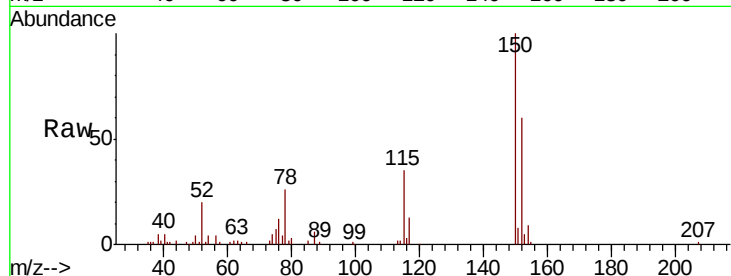
Tgt Ion: 152 Resp: 12678

Ion Ratio Lower Upper

152 100

115 55.6 30.0 90.1

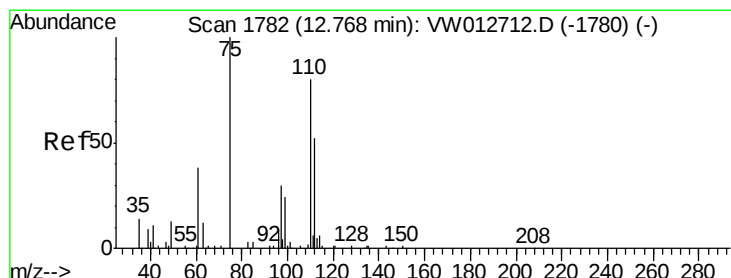
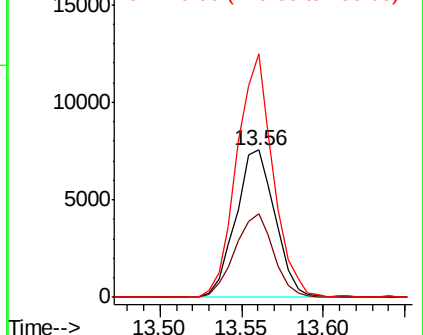
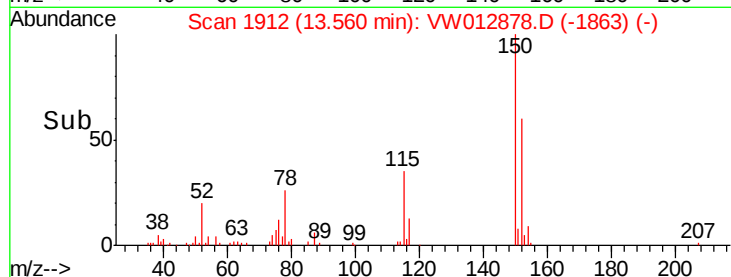
150 152.2 0.0 349.0



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: 69.841 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012878.D

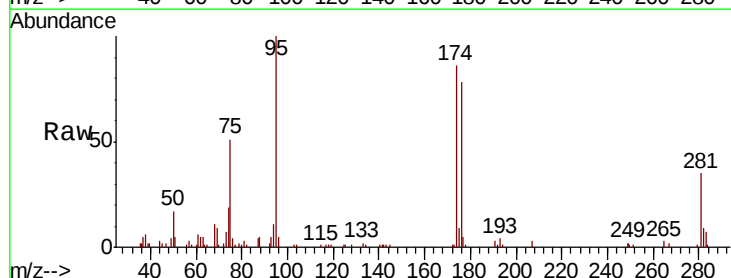
Acq: 10 Sep 2019 18:33

Tgt Ion: 75 Resp: 9054

Ion Ratio Lower Upper

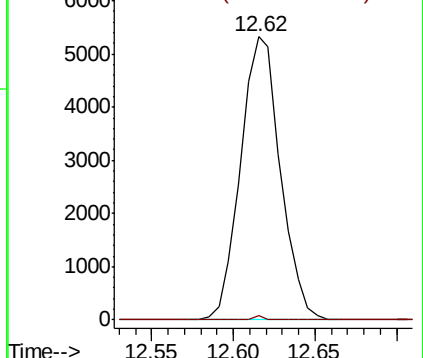
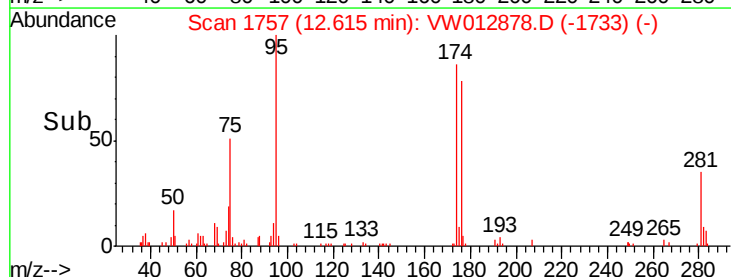
75 100

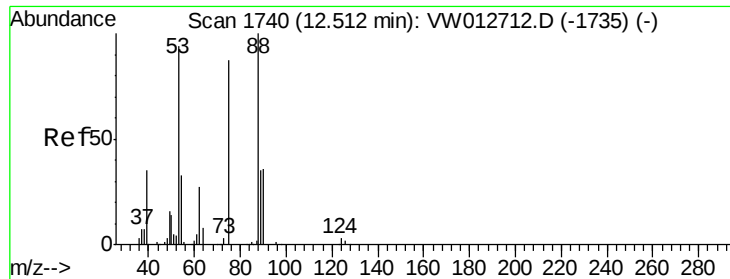
77 0.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

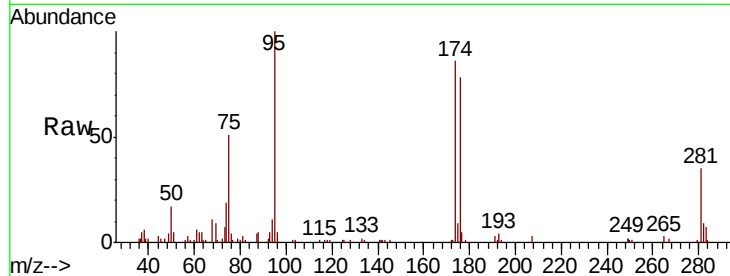




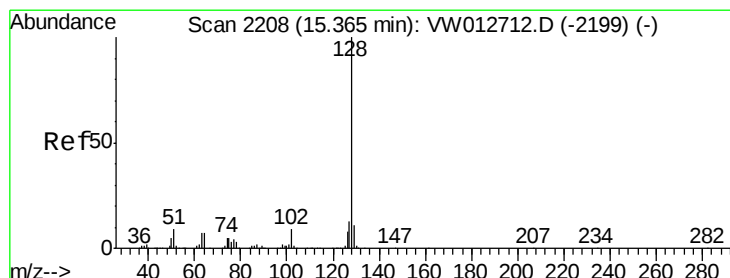
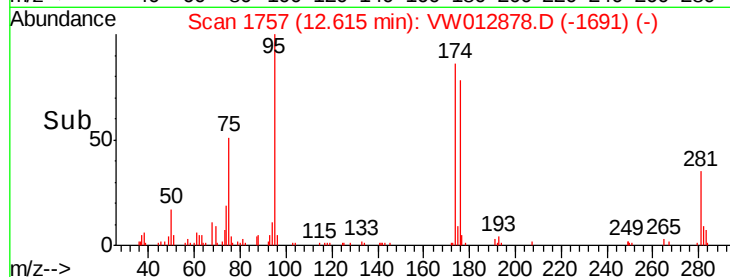
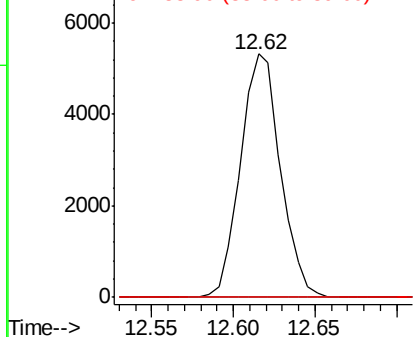
#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.718 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012878.D
 Acq: 10 Sep 2019 18:33

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-26-7.5-8.0

Tgt Ion: 75 Resp: 9054
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.0 35.5 53.3#

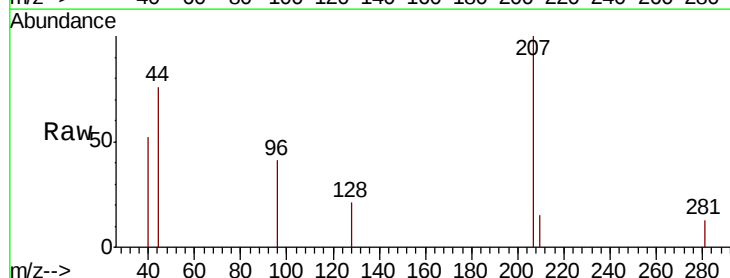


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 53.00 (52.70 to 53.70): VW
 Ion 88.90 (88.60 to 89.60): VW



#95
 Naphthalene
 Concen: 4.561 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW012878.D
 Acq: 10 Sep 2019 18:33

Tgt Ion: 128 Resp: 71
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.7 16.1#
 129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

