

Data File : VW012835.D
Acq On : 09 Sep 2019 21:08
Operator : SY/VA
Sample : K4679-01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WS-SB01-5.0-5.5

Quant Time: Sep 10 07:04:24 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	230839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	342686	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	279217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	111220	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	112647	43.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.34%	
35) Dibromofluoromethane	7.88	113	97947	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
50) Toluene-d8	10.32	98	398342	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.62	95	124292	42.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.78%	

Target Compounds

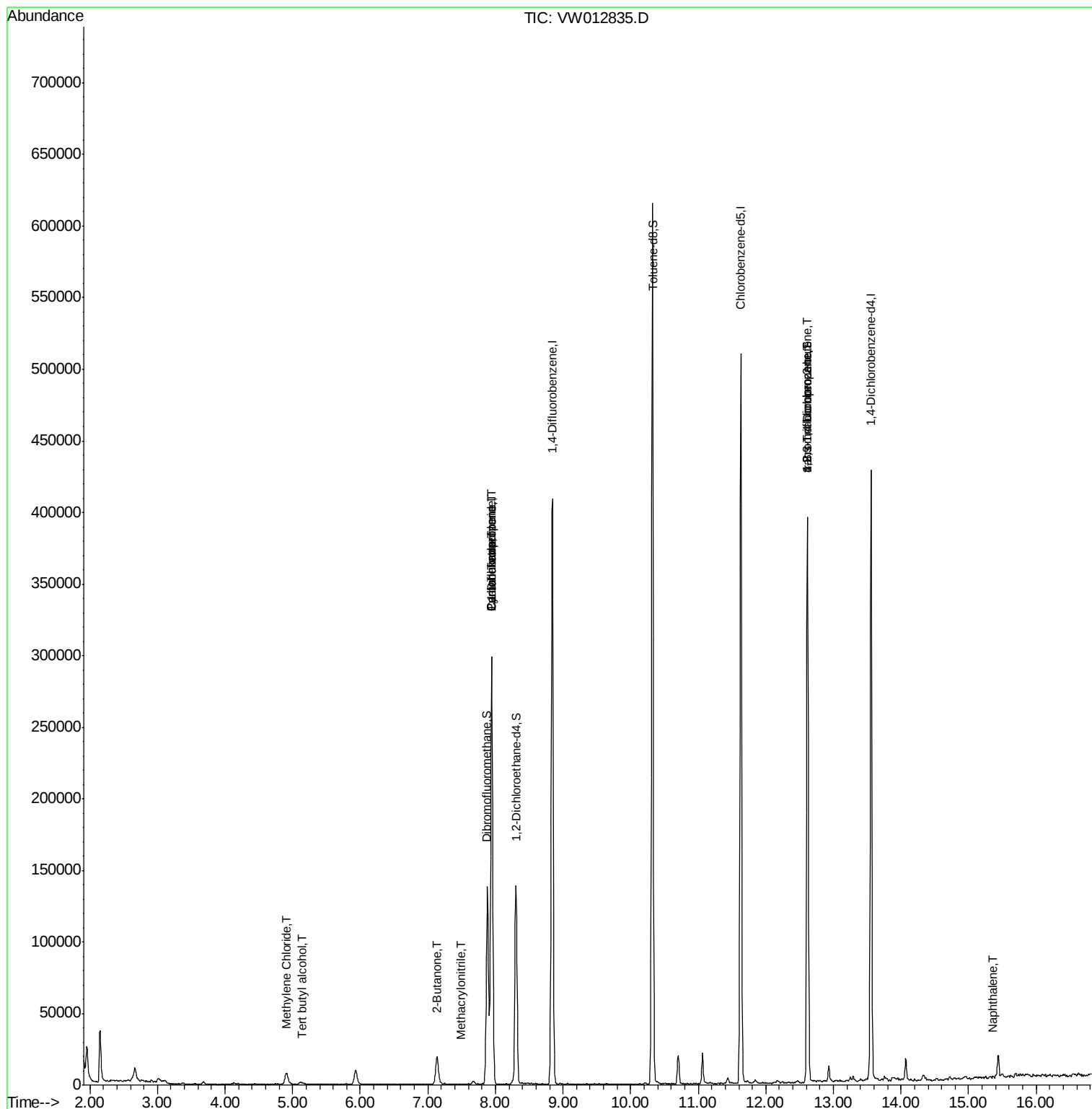
						Qvalue
11) Tert butyl alcohol	5.14	59	252	1.277	ug/l #	72
20) Methylene Chloride	4.90	84	5794	2.634	ug/l	97
25) 2-Butanone	7.12	43	1367	20.897	ug/l #	83
31) Cyclohexane	7.95	56	4824	1.272	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	17571	5.771	ug/l #	52
38) Carbon Tetrachloride	7.94	117	21455	7.148	ug/l #	17
41) Methacrylonitrile	7.49	41	19	3.852	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	63510	55.844	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	63510	118.114	ug/l #	7
95) Naphthalene	15.36	128	342	4.506	ug/l #	77

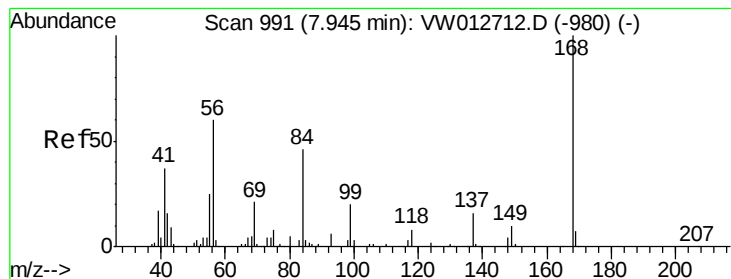
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012835.D

Acq: 09 Sep 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

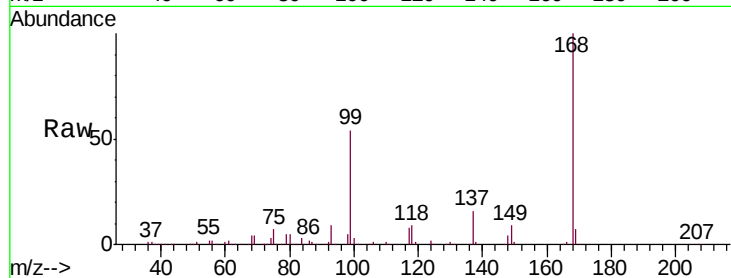
WS-SB01-5.0-5.5

Tgt Ion: 168 Resp: 230839

Ion Ratio Lower Upper

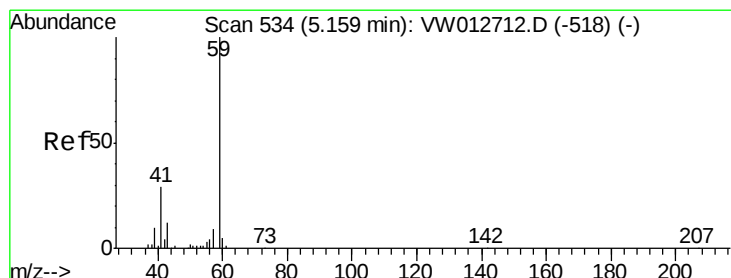
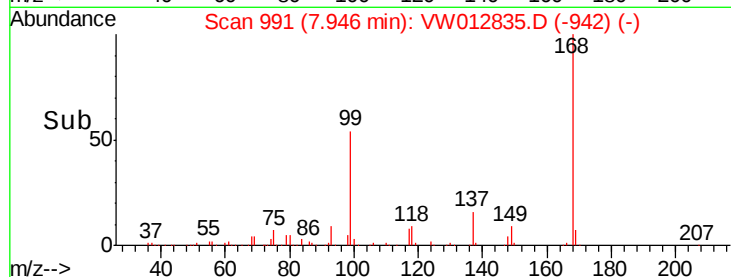
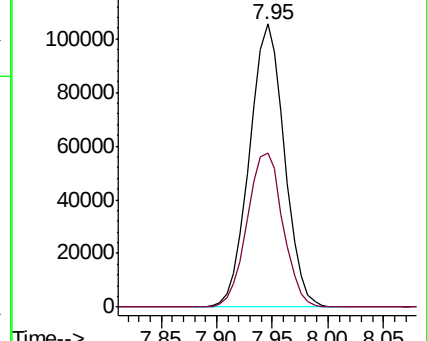
168 100

99 54.3 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.277 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.02 min

Lab File: VW012835.D

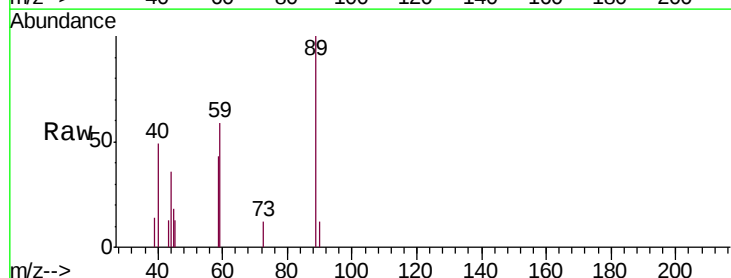
Acq: 09 Sep 2019 21:08

Tgt Ion: 59 Resp: 252

Ion Ratio Lower Upper

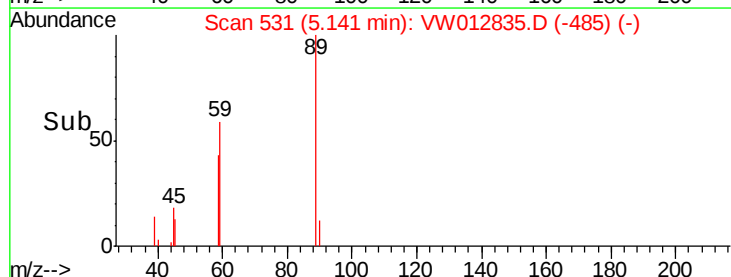
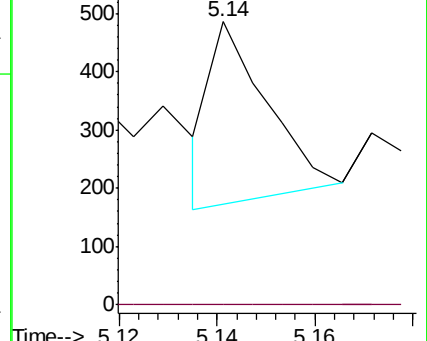
59 100

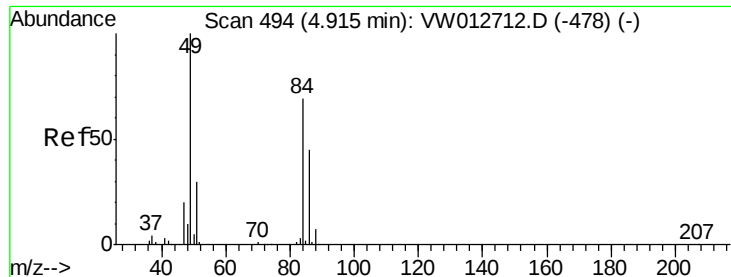
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

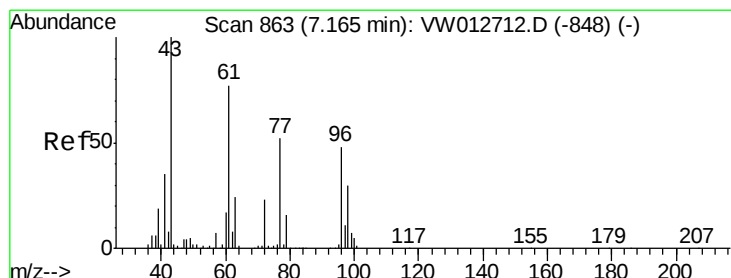
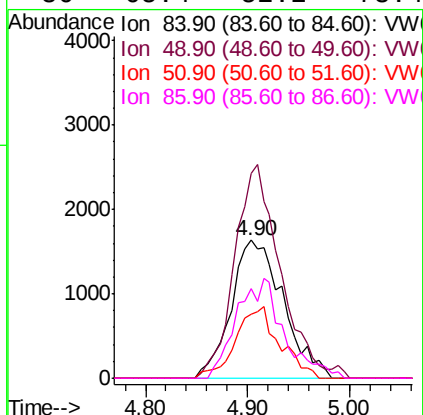
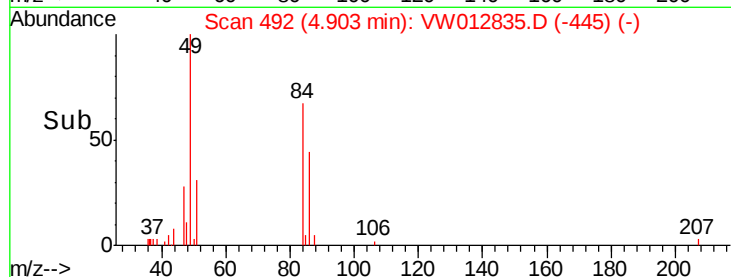
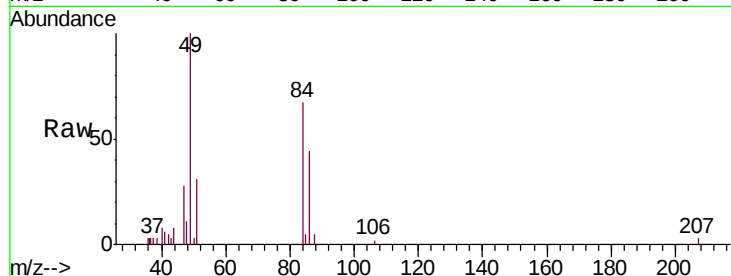




#20
Methylene Chloride
Concen: 2.634 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW012835.D
Acq: 09 Sep 2019 21:08

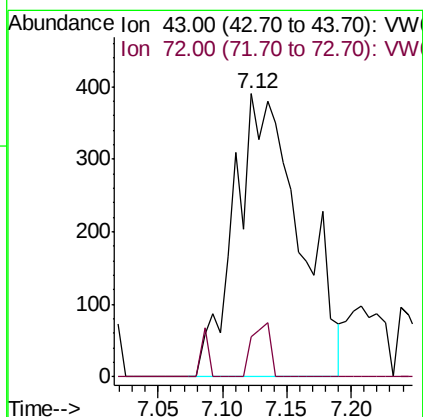
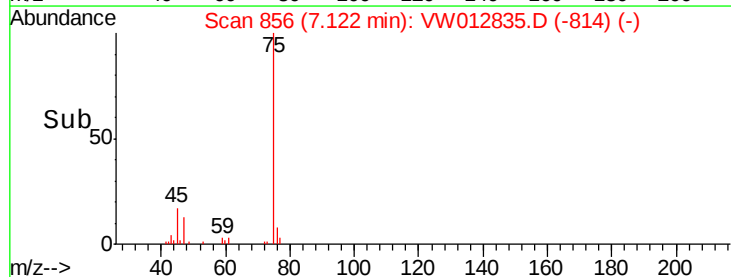
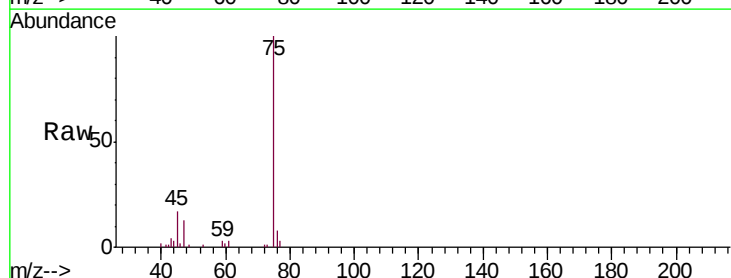
Instrument :
MSVOA_W
ClientSampleId :
WS-SB01-5.0-5.5

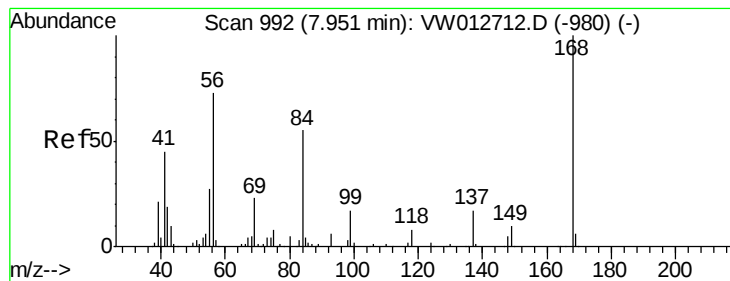
Tgt Ion: 84 Resp: 5794
Ion Ratio Lower Upper
84 100
49 148.7 115.4 173.0
51 46.8 34.9 52.3
86 65.4 52.2 78.4



#25
2-Butanone
Concen: 20.897 ug/l
RT: 7.12 min Scan# 856
Delta R.T. -0.04 min
Lab File: VW012835.D
Acq: 09 Sep 2019 21:08

Tgt Ion: 43 Resp: 1367
Ion Ratio Lower Upper
43 100
72 14.1 18.0 27.0#





#31

Cyclohexane

Concen: 1.272 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012835.D

Acq: 09 Sep 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

WS-SB01-5.0-5.5

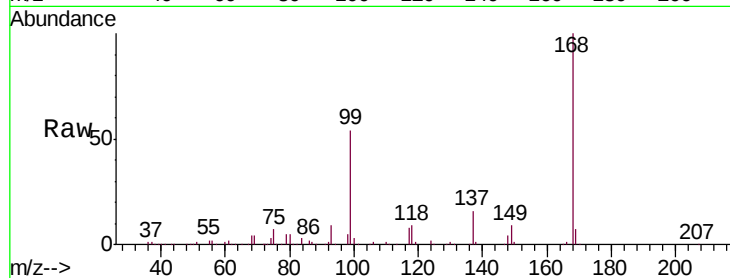
Tgt Ion: 56 Resp: 4824

Ion Ratio Lower Upper

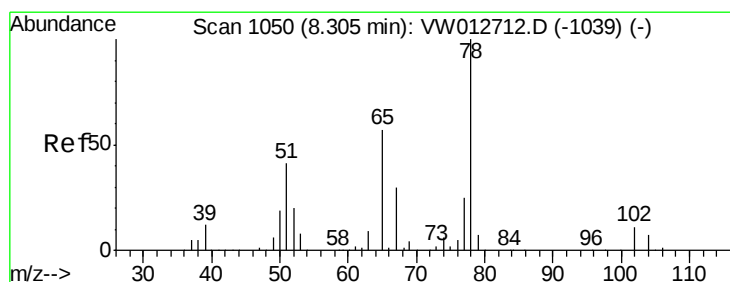
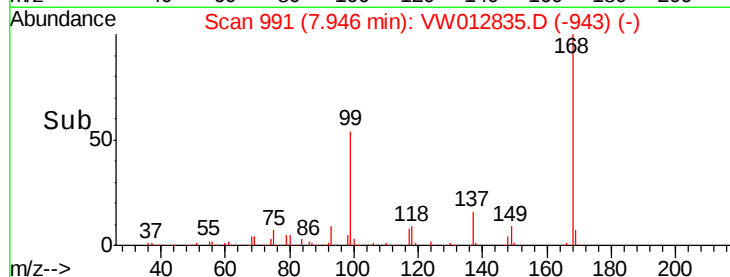
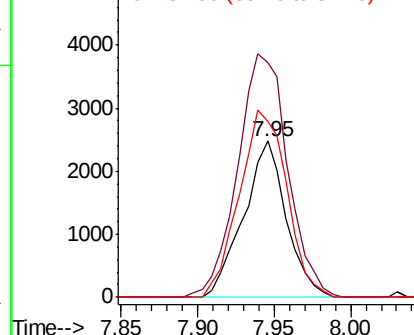
56 100

69 149.7 25.7 38.5#

84 112.2 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: 43.675 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012835.D

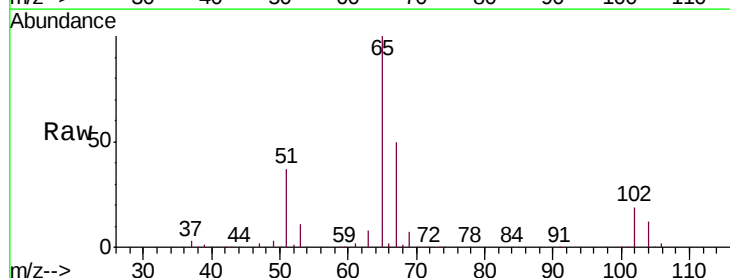
Acq: 09 Sep 2019 21:08

Tgt Ion: 65 Resp: 112647

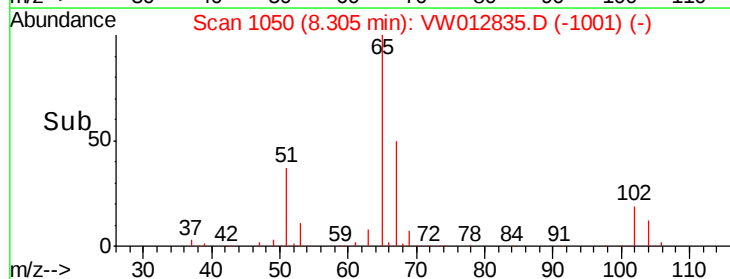
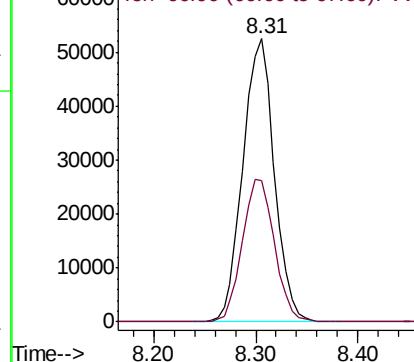
Ion Ratio Lower Upper

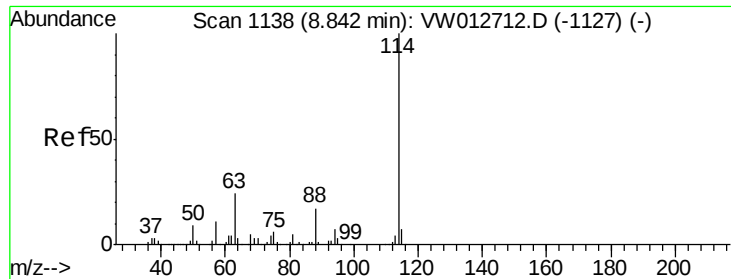
65 100

67 51.5 0.0 101.8



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

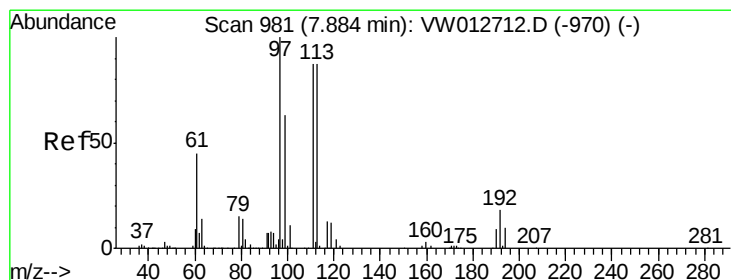
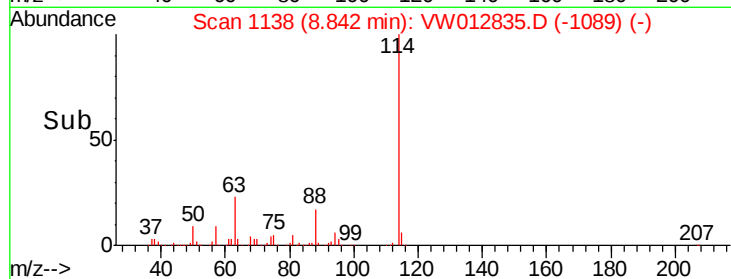
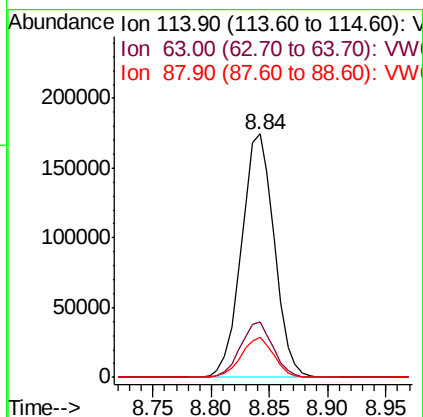
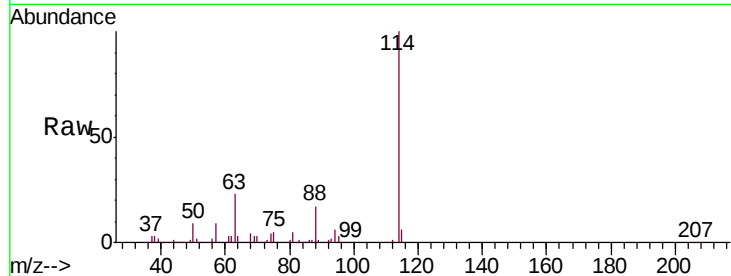




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012835.D
 Acq: 09 Sep 2019 21:08

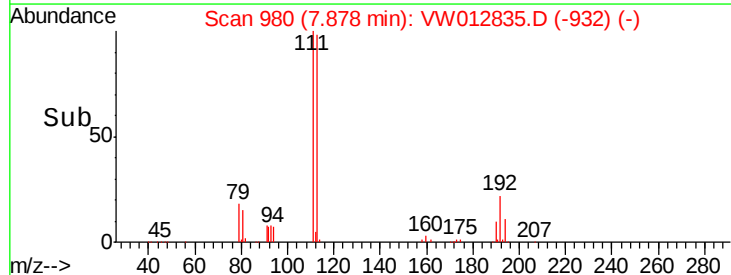
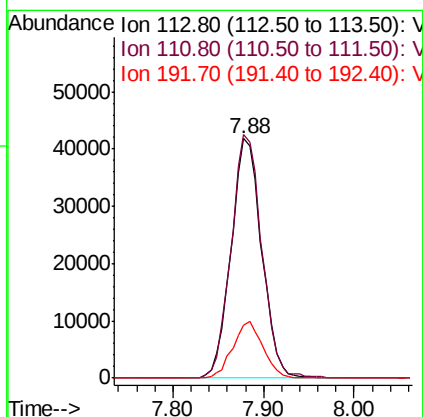
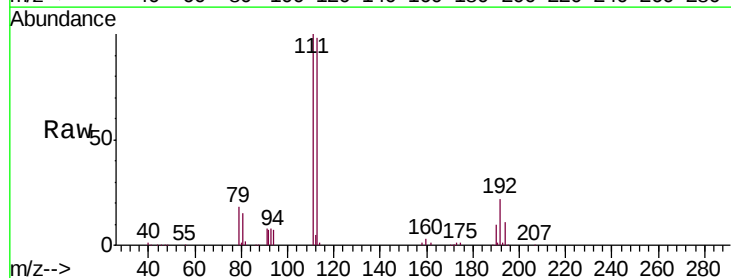
Instrument :
 MSVOA_W
 ClientSampleId :
 WS-SB01-5.0-5.5

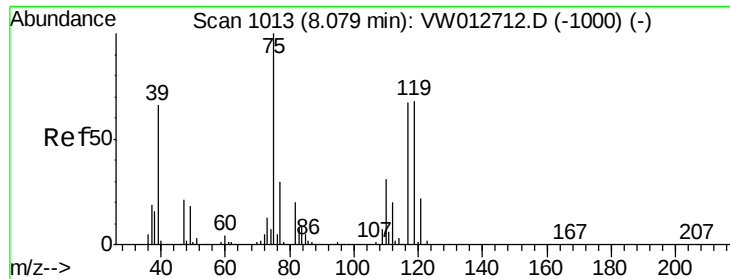
Tgt Ion:	114	Resp:	342686
Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	47.2
88	16.7	0.0	34.0



#35
 Dibromofluoromethane
 Concen: 48.075 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012835.D
 Acq: 09 Sep 2019 21:08

Tgt Ion:	113	Resp:	97947
Ion	Ratio	Lower	Upper
113	100		
111	102.3	80.2	120.4
192	23.0	17.3	25.9

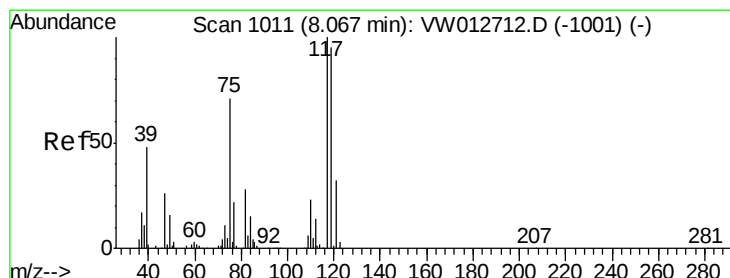
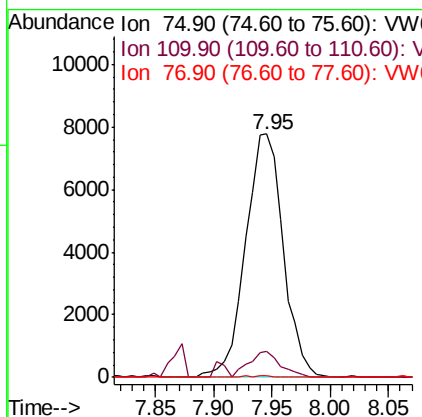
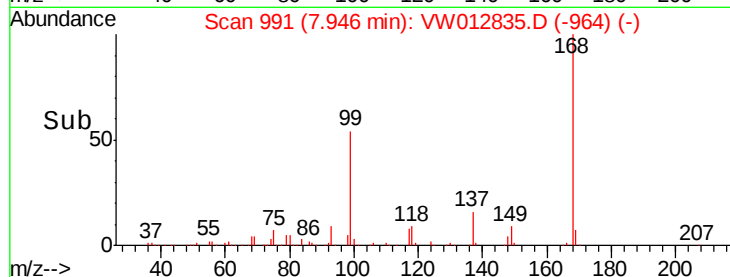
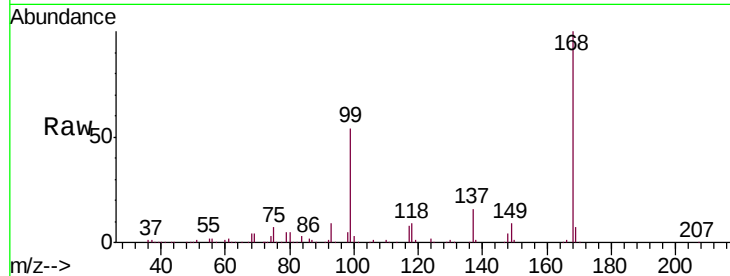




#36
 1,1-Dichloropropene
 Concen: 5.771 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012835.D
 Acq: 09 Sep 2019 21:08

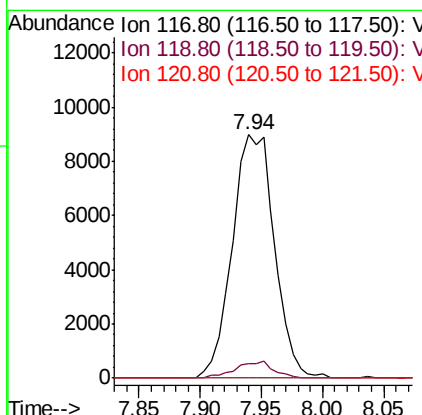
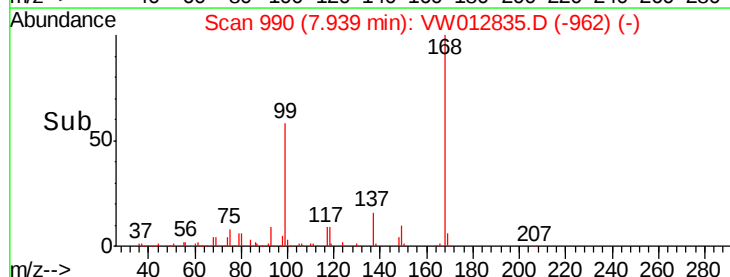
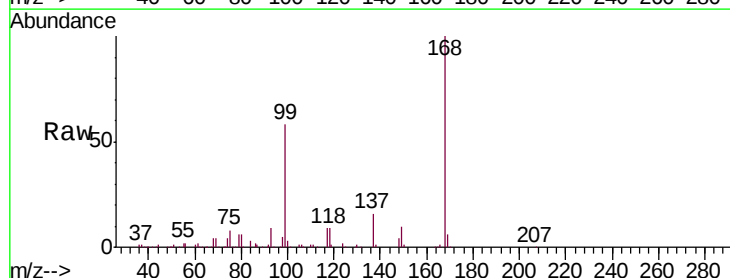
Instrument :
 MSVOA_W
 ClientSampleId :
 WS-SB01-5.0-5.5

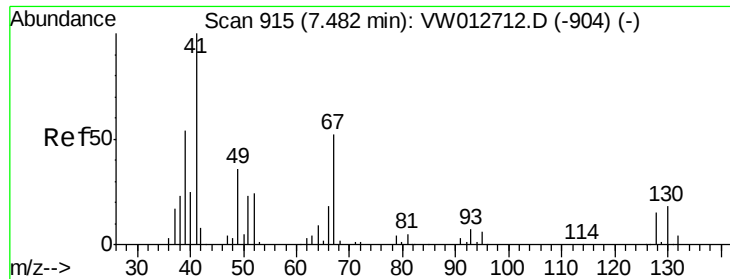
Tgt Ion: 75 Resp: 17571
 Ion Ratio Lower Upper
 75 100
 110 9.1 15.9 47.7#
 77 0.4 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 7.148 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012835.D
 Acq: 09 Sep 2019 21:08

Tgt Ion: 117 Resp: 21455
 Ion Ratio Lower Upper
 117 100
 119 6.0 76.2 114.2#
 121 0.0 25.4 38.2#





#41

Methacrylonitrile

Concen: 3.852 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW012835.D

Acq: 09 Sep 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

WS-SB01-5.0-5.5

Tgt Ion: 41 Resp: 19

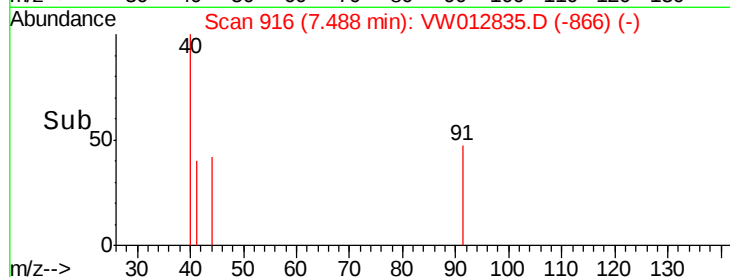
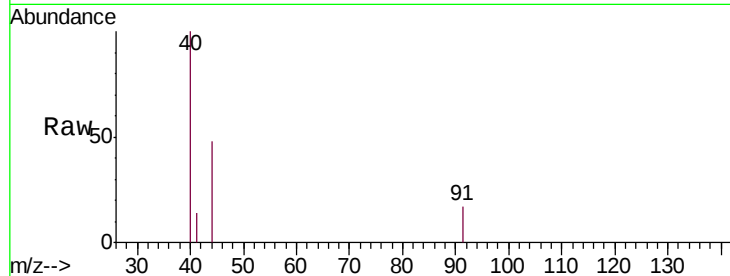
Ion Ratio Lower Upper

41 100

39 215.8 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

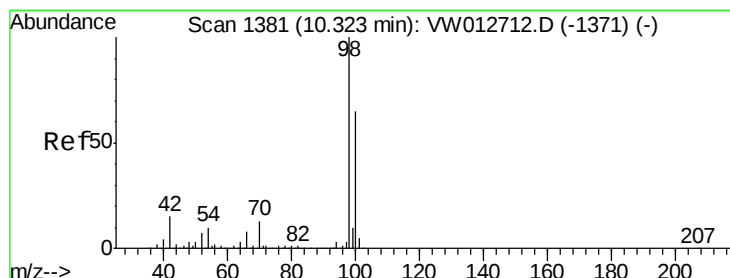
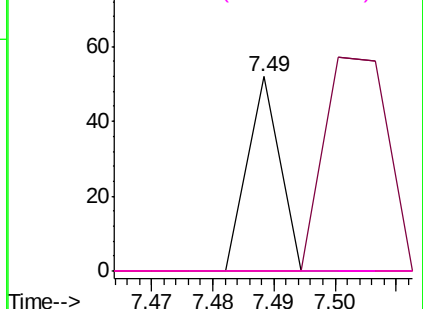


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 49.906 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012835.D

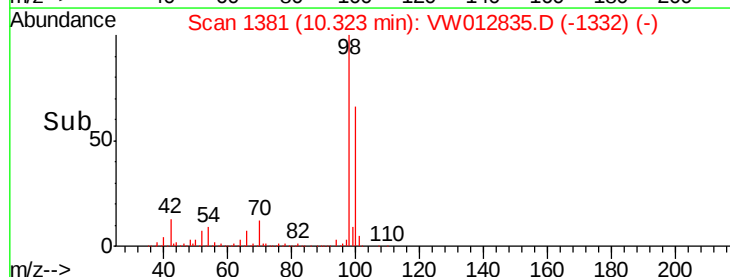
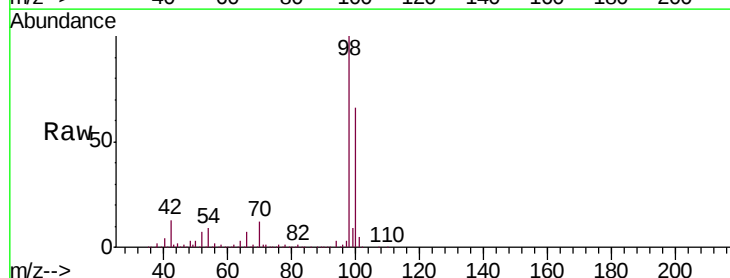
Acq: 09 Sep 2019 21:08

Tgt Ion: 98 Resp: 398342

Ion Ratio Lower Upper

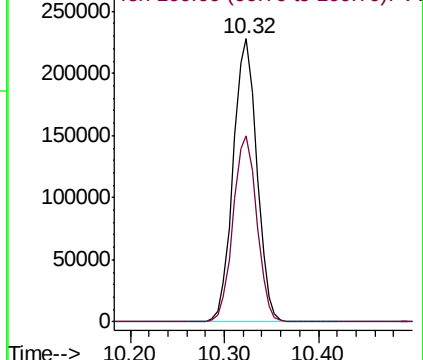
98 100

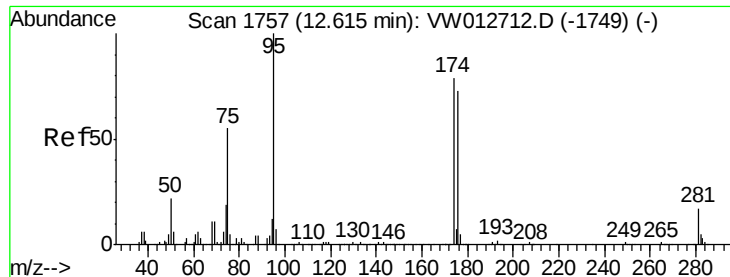
100 65.8 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 42.894 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012835.D

Acq: 09 Sep 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

WS-SB01-5.0-5.5

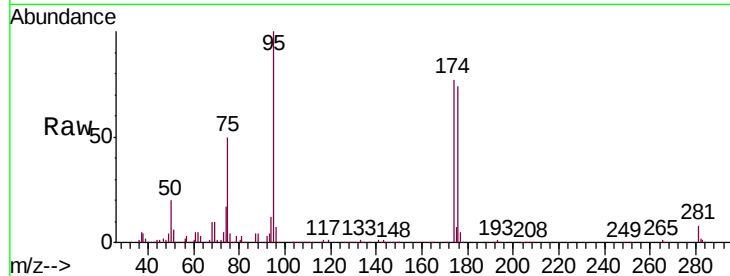
Tgt Ion: 95 Resp: 124292

Ion Ratio Lower Upper

95 100

174 82.9 0.0 161.0

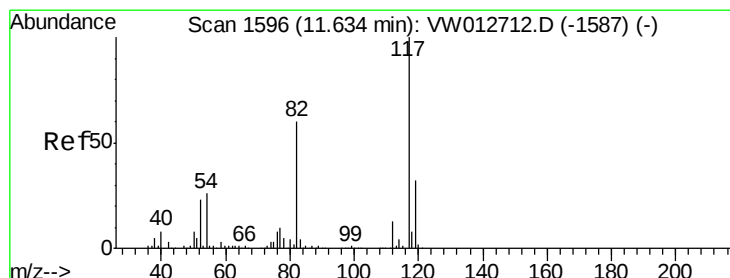
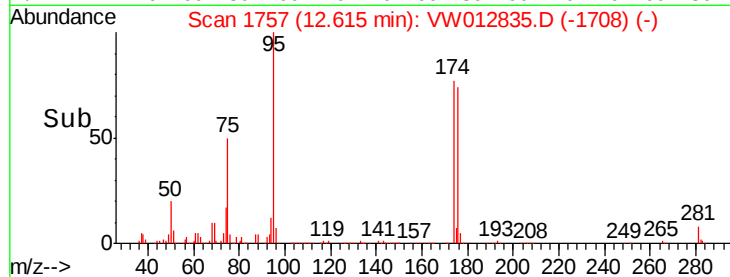
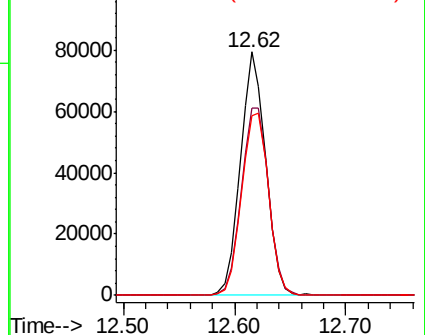
176 80.3 0.0 156.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012835.D

Acq: 09 Sep 2019 21:08

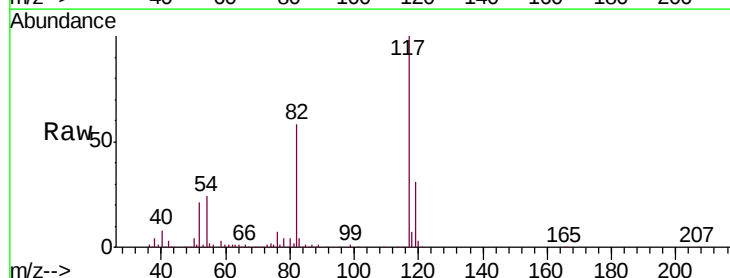
Tgt Ion: 117 Resp: 279217

Ion Ratio Lower Upper

117 100

82 57.9 48.2 72.4

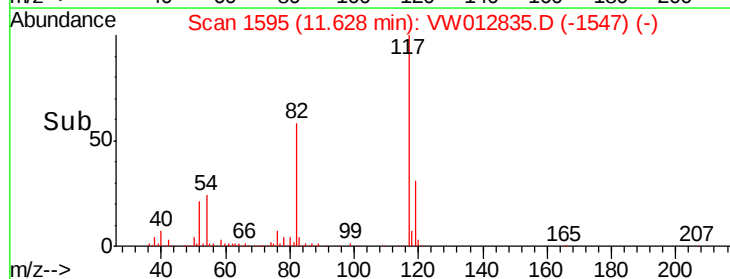
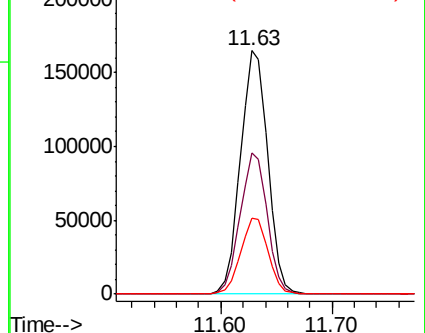
119 31.1 25.8 38.6

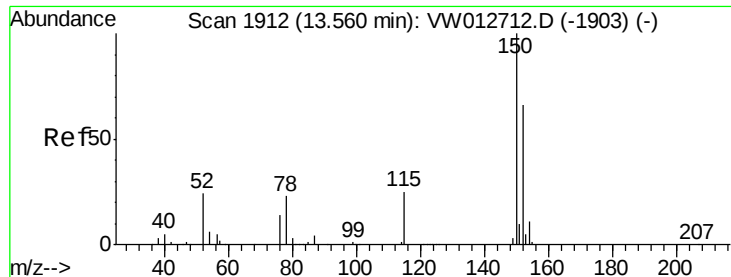


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012835.D

Acq: 09 Sep 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

WS-SB01-5.0-5.5

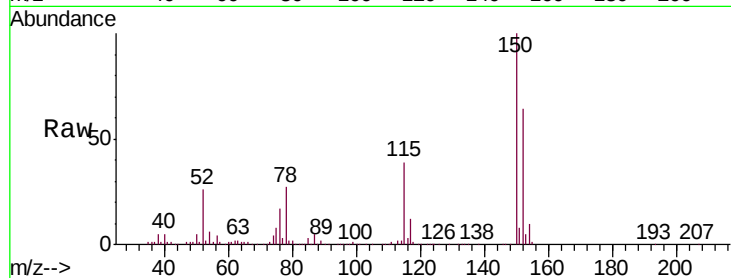
Tgt Ion:152 Resp: 111220

Ion Ratio Lower Upper

152 100

115 59.2 30.0 90.1

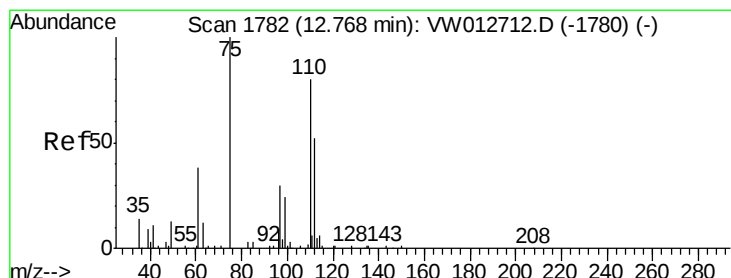
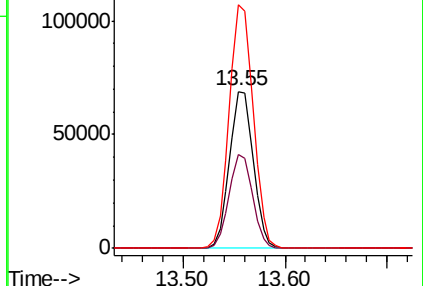
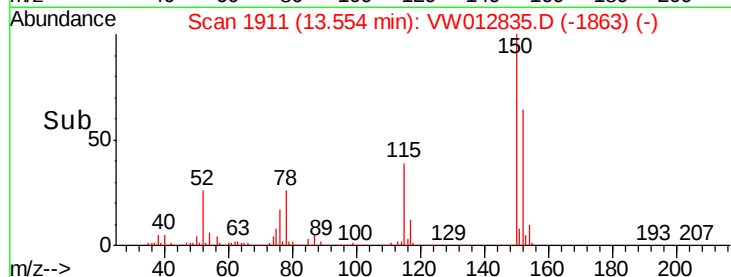
150 156.4 0.0 349.0



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: 55.844 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012835.D

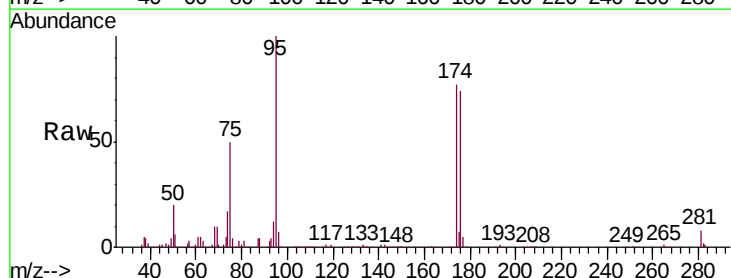
Acq: 09 Sep 2019 21:08

Tgt Ion: 75 Resp: 63510

Ion Ratio Lower Upper

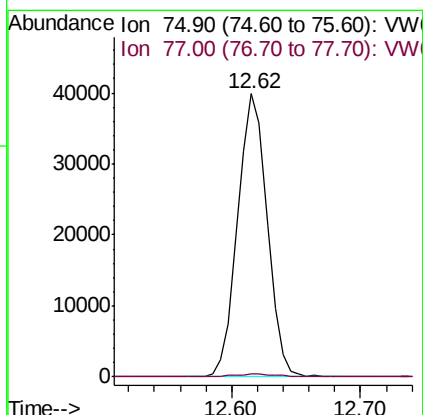
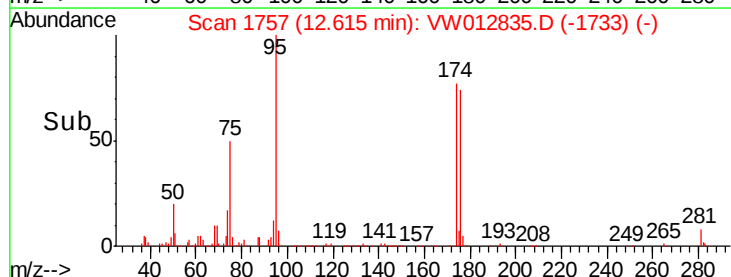
75 100

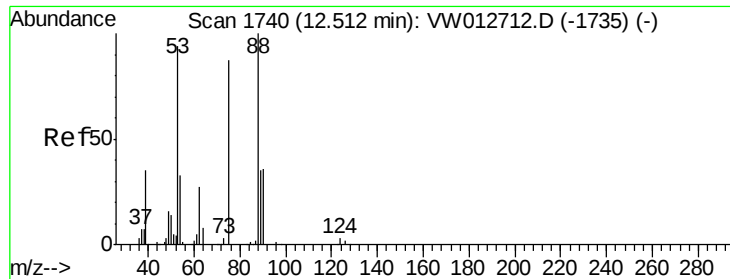
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

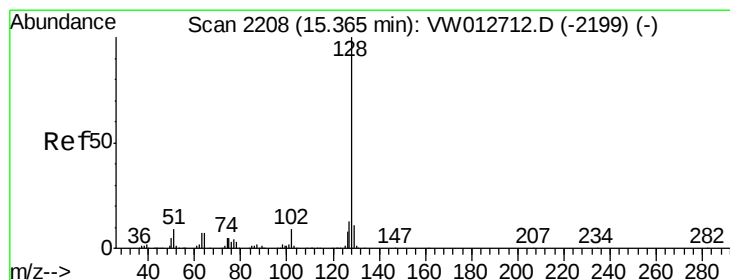
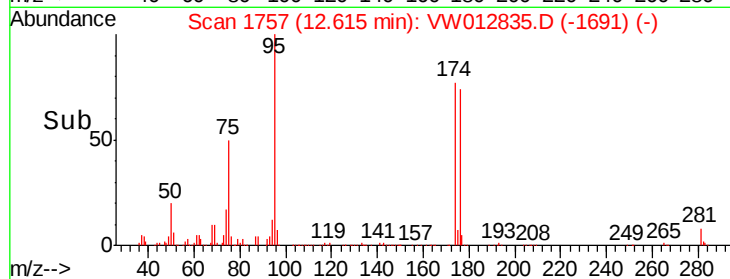
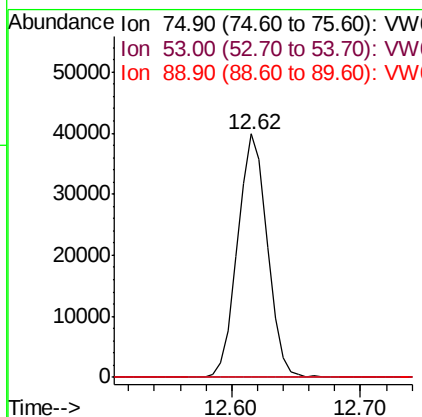
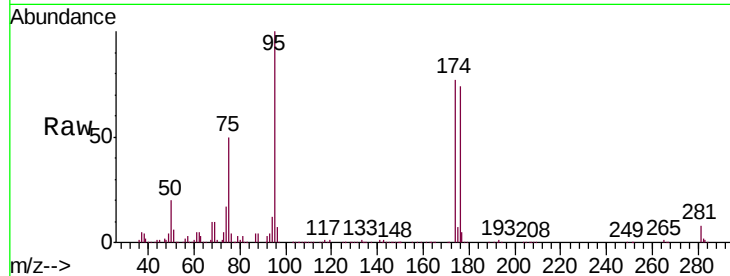




#81
trans-1,4-Dichloro-2-butene
Concen: 118.114 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012835.D
Acq: 09 Sep 2019 21:08

Instrument :
MSVOA_W
ClientSampleId :
WS-SB01-5.0-5.5

Tgt Ion: 75 Resp: 63510
Ion Ratio Lower Upper
75 100
53 0.2 87.6 131.4#
89 0.1 35.5 53.3#



#95
Naphthalene
Concen: 4.506 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012835.D
Acq: 09 Sep 2019 21:08

Tgt Ion: 128 Resp: 342
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 6.7 8.7 13.1#

