

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013098.D
 Acq On : 17 Sep 2019 18:39
 Operator : SY/VA
 Sample : K4847-03
 Misc : 4.98G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 05:34:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	80196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	117472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	98735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	39128	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	41263	55.71	ug/l	0.00
Spiked Amount			Recovery	=	111.42%	
35) Dibromofluoromethane	7.88	113	34611	54.30	ug/l	0.00
Spiked Amount			Recovery	=	108.60%	
50) Toluene-d8	10.32	98	136235	54.62	ug/l	0.00
Spiked Amount			Recovery	=	109.24%	
62) 4-Bromofluorobenzene	12.62	95	42416	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	

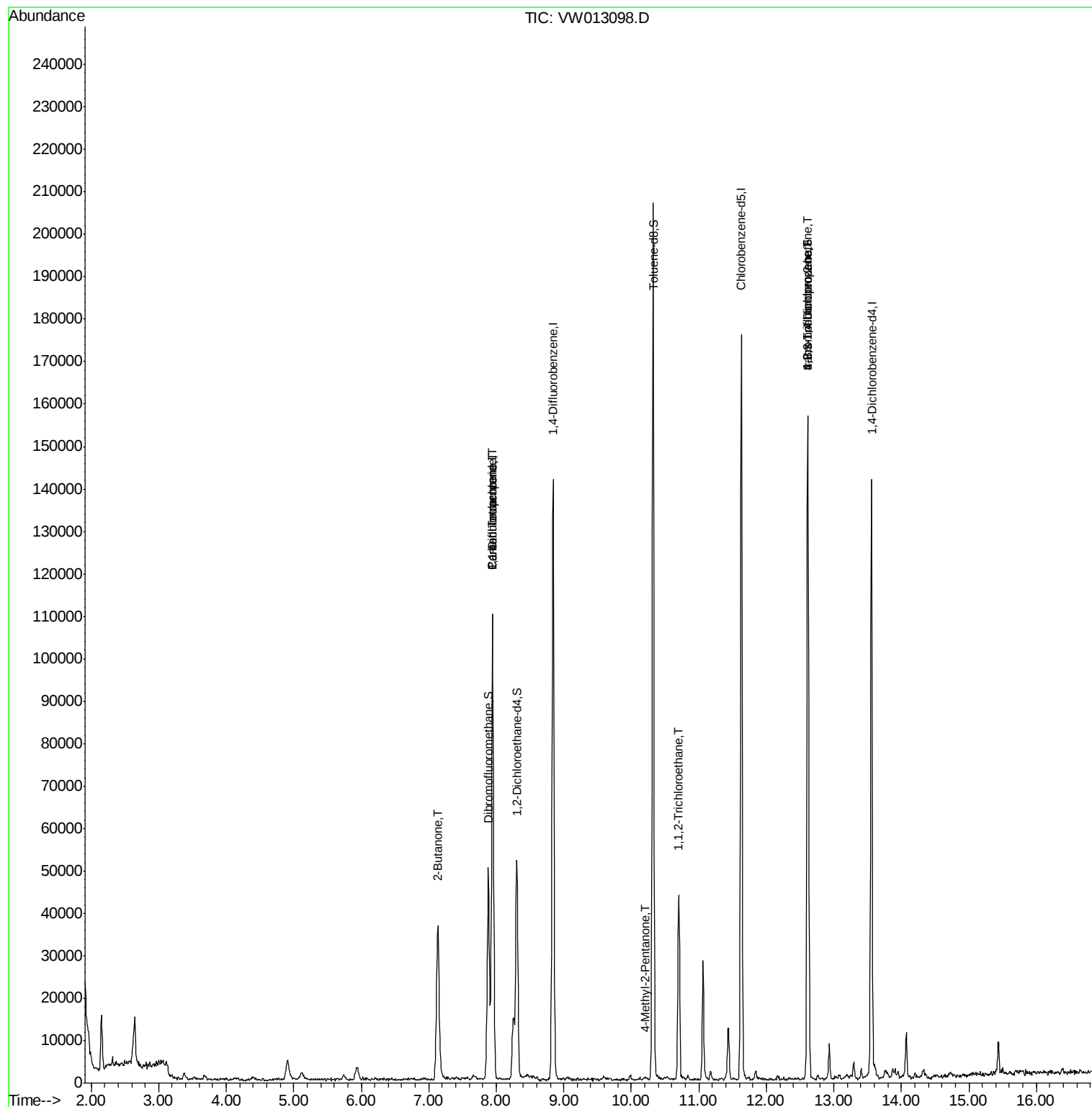
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.03	85	59	Below Cal	#	44
3) Chloromethane	2.21	50	189	Below Cal	#	41
11) Tert butyl alcohol	5.17	59	319	Below Cal	#	72
13) Acrolein	3.79	56	26	Below Cal	#	15
16) Acetone	4.12	43	804	Below Cal	#	77
20) Methylene Chloride	4.91	84	2948	Below Cal		91
25) 2-Butanone	7.13	43	2063	8.760	ug/l #	75
26) 2,2-Dichloropropane	7.13	77	2648	Below Cal	#	55
31) Cyclohexane	7.95	56	1738	Below Cal	#	11
36) 1,1-Dichloropropene	7.95	75	6244	6.652	ug/l #	49
38) Carbon Tetrachloride	7.95	117	7612	7.913	ug/l #	15
51) 4-Methyl-2-Pentanone	10.22	43	676	1.369	ug/l #	71
55) 1,1,2-Trichloroethane	10.69	97	607	1.195	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	21894	63.881	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	21894	144.913	ug/l #	7

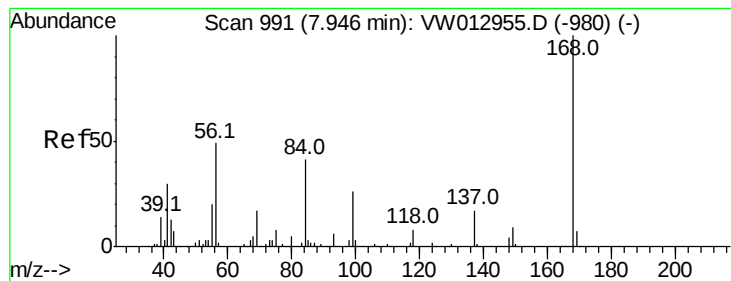
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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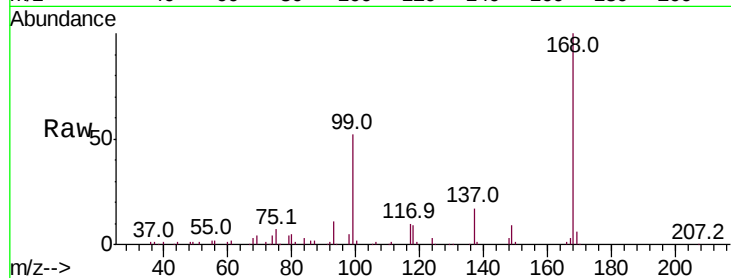


#1

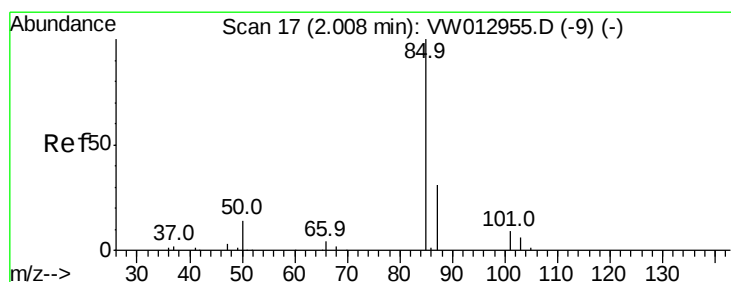
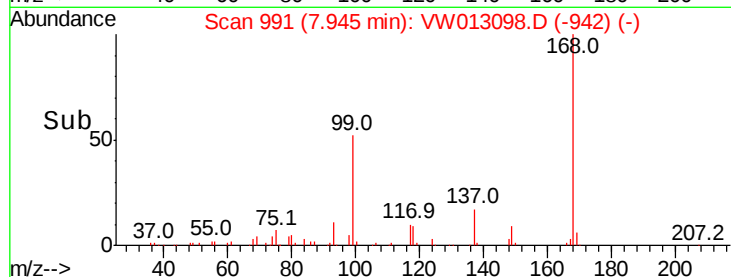
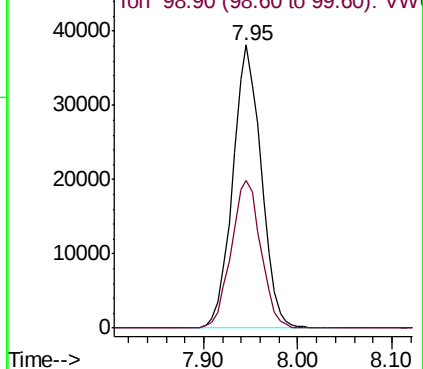
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013098.D
 Acq: 17 Sep 2019 18:39

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:168 Resp: 80196
 Ion Ratio Lower Upper
 168 100
 99 52.0 46.2 69.2



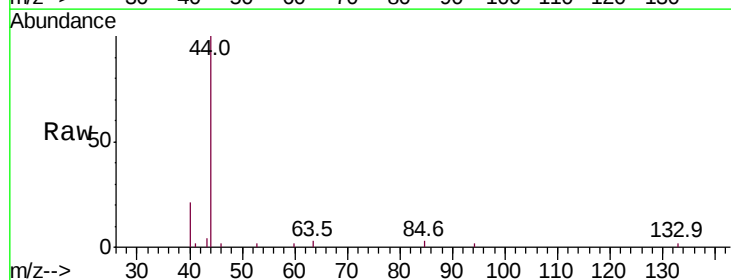
Abundance Ion 167.90 (167.60 to 168.60): V



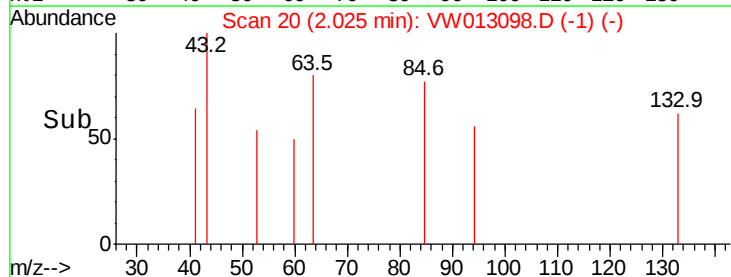
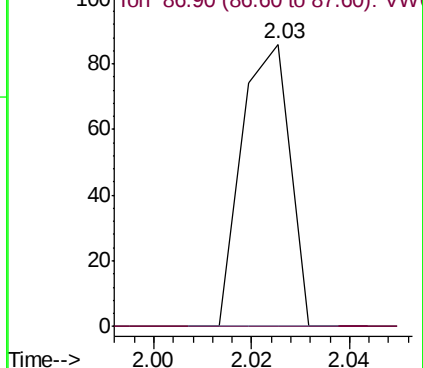
#2

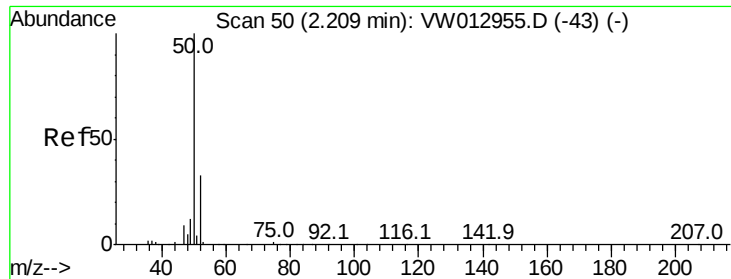
Dichlorodifluoromethane
 Concen: Below Cal
 RT: 2.03 min Scan# 20
 Delta R.T. 0.02 min
 Lab File: VW013098.D
 Acq: 17 Sep 2019 18:39

Tgt Ion: 85 Resp: 59
 Ion Ratio Lower Upper
 85 100
 87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013098.D

Acq: 17 Sep 2019 18:39

Instrument :

MSVOA_W

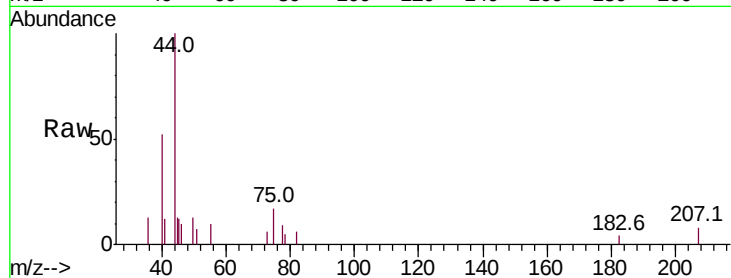
ClientSampleId :

Tot Ion: 50 Resp: 189

Ion Ratio Lower Upper

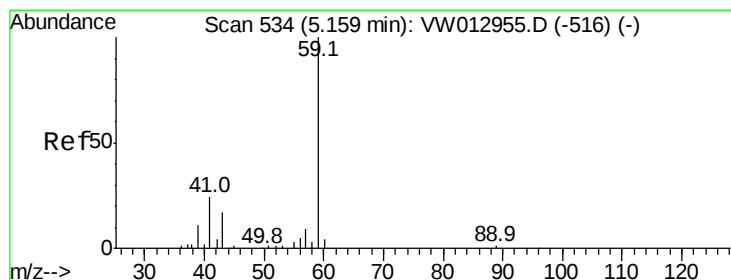
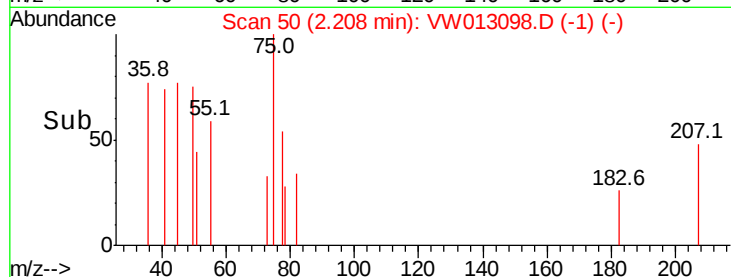
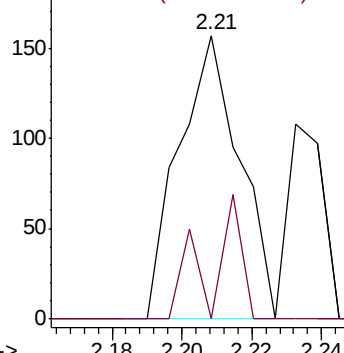
50 100

52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW013098.D

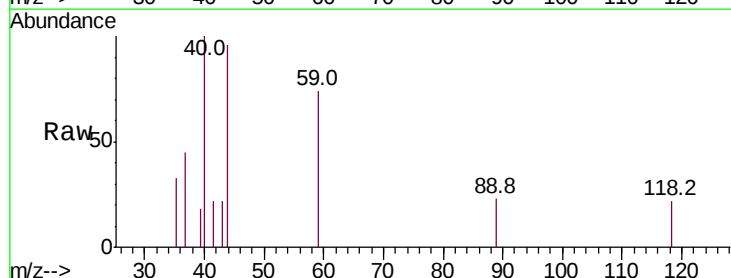
Acq: 17 Sep 2019 18:39

Tgt Ion: 59 Resp: 319

Ion Ratio Lower Upper

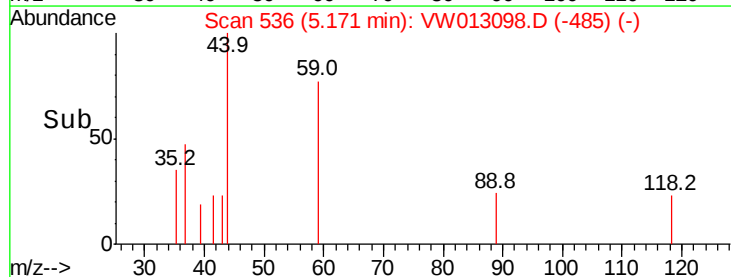
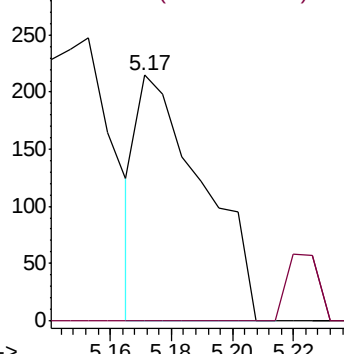
59 100

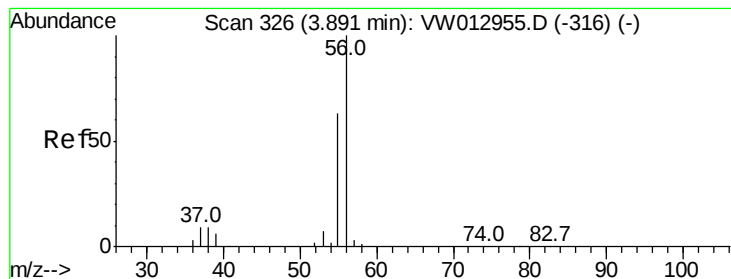
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: Below Cal

RT: 3.79 min Scan# 309

Delta R.T. -0.10 min

Lab File: VW013098.D

Acq: 17 Sep 2019 18:39

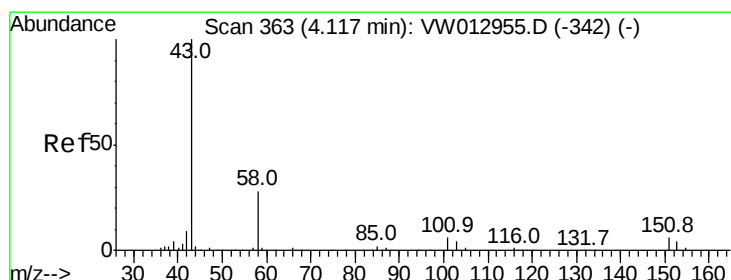
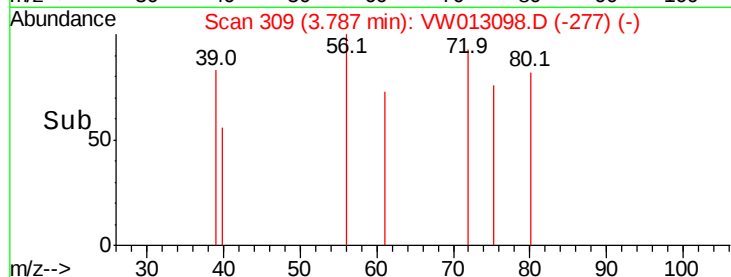
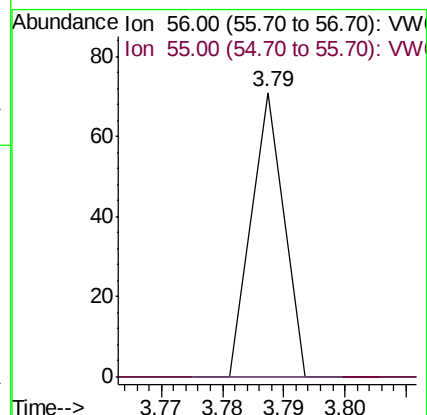
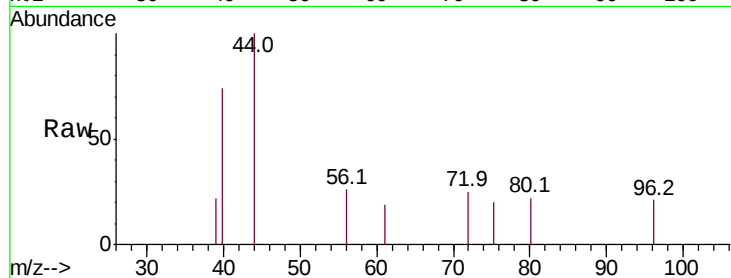
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 26

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW013098.D

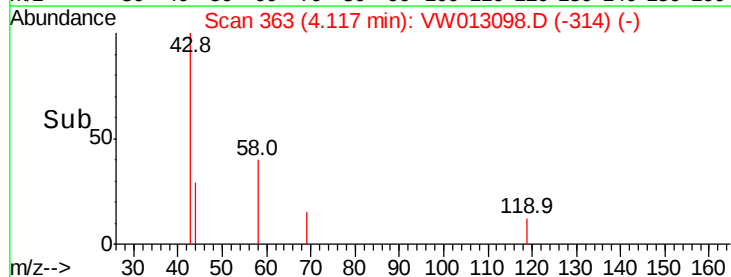
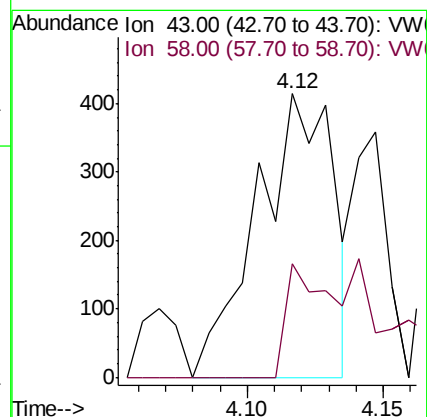
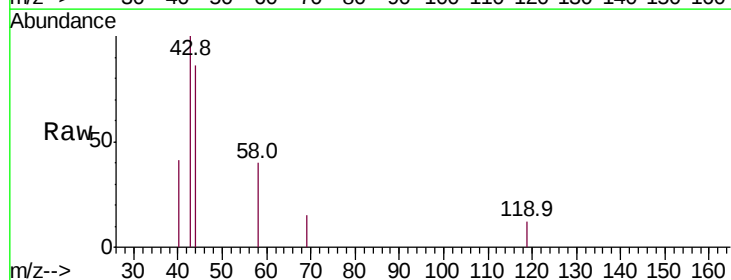
Acq: 17 Sep 2019 18:39

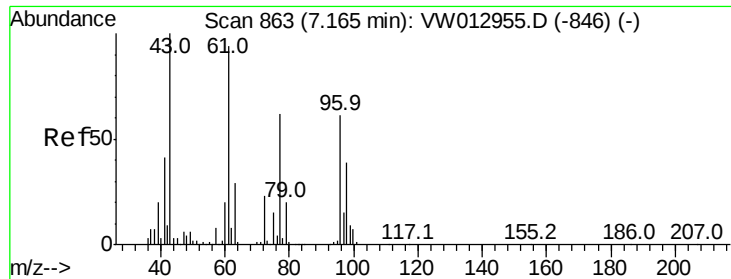
Tgt Ion: 43 Resp: 804

Ion Ratio Lower Upper

43 100

58 40.1 22.3 33.5#





#25

2-Butanone

Concen: 8.760 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW013098.D

Acq: 17 Sep 2019 18:39

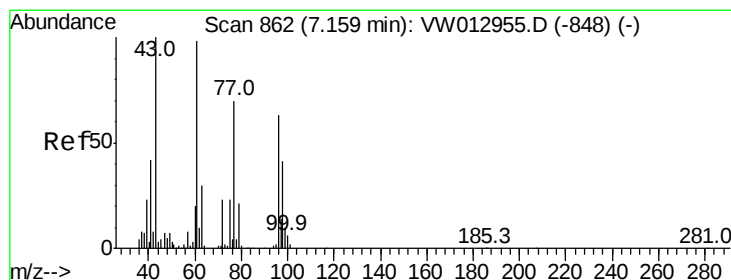
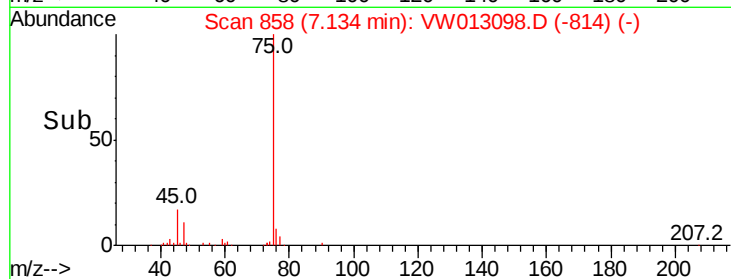
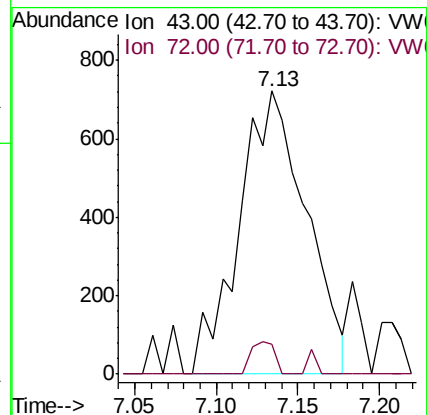
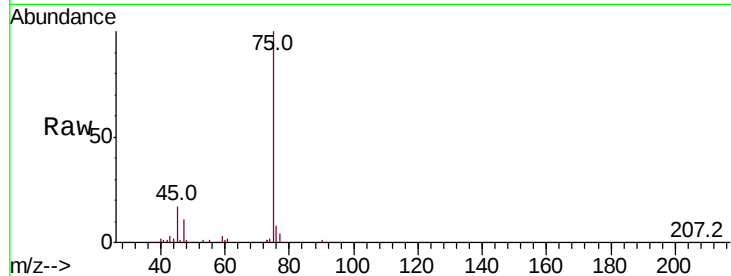
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 2063

Ion Ratio Lower Upper

43 100

72 10.5 18.2 27.4#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.13 min Scan# 858

Delta R.T. -0.02 min

Lab File: VW013098.D

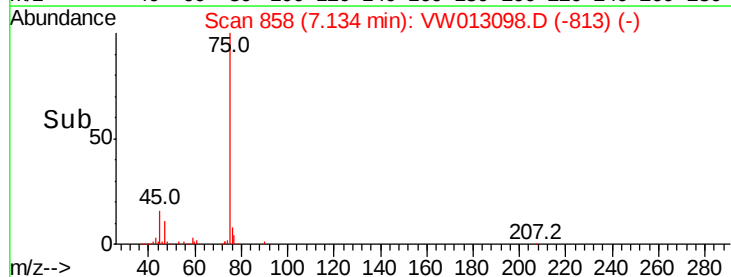
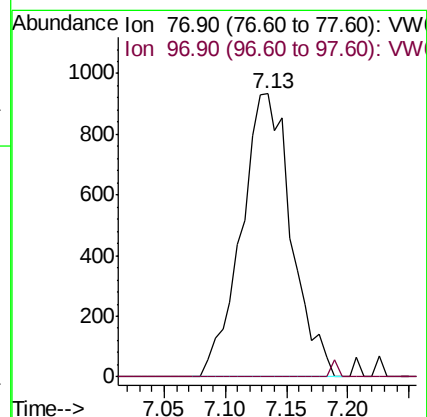
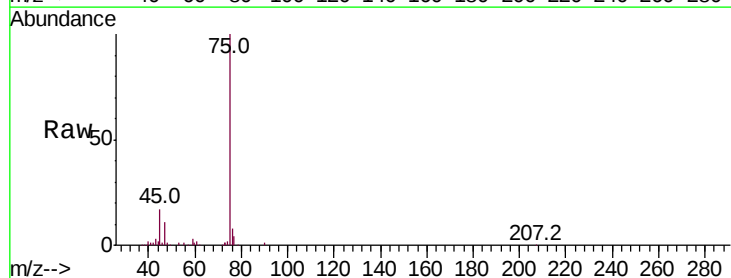
Acq: 17 Sep 2019 18:39

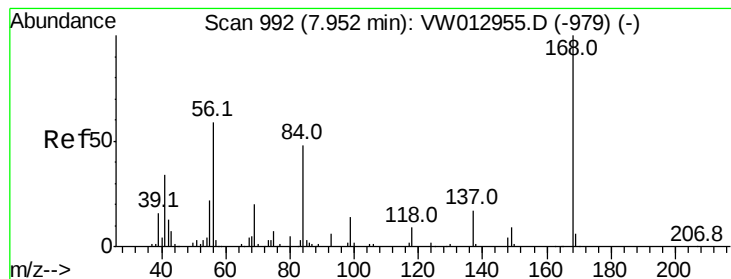
Tgt Ion: 77 Resp: 2648

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013098.D

Acq: 17 Sep 2019 18:39

Instrument :
MSVOA_W
ClientSampled :

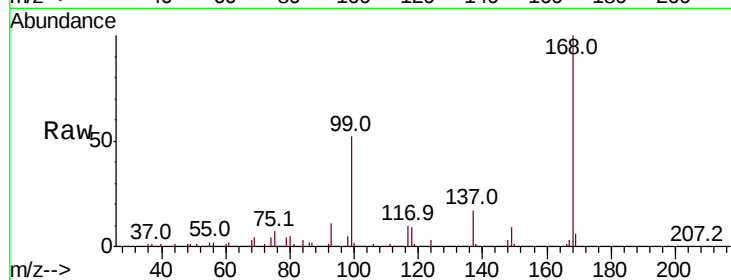
Tot Ion: 56 Resp: 1738

Ion Ratio Lower Upper

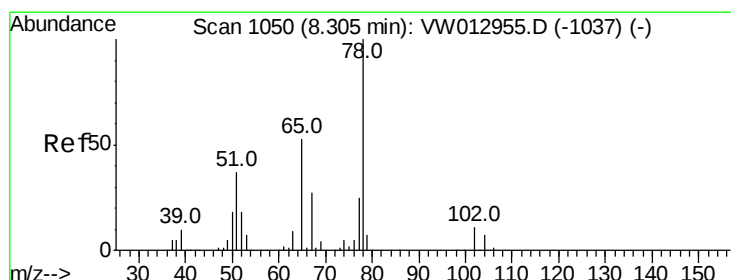
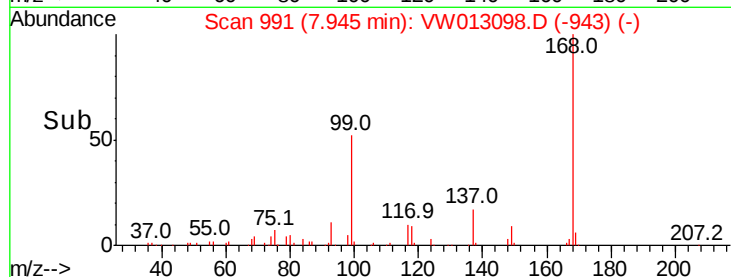
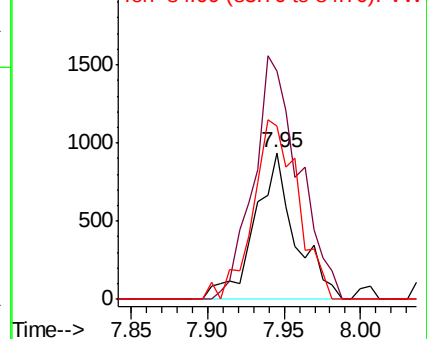
56 100

69 155.4 27.0 40.6#

84 117.8 66.2 99.2#



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: 55.711 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013098.D

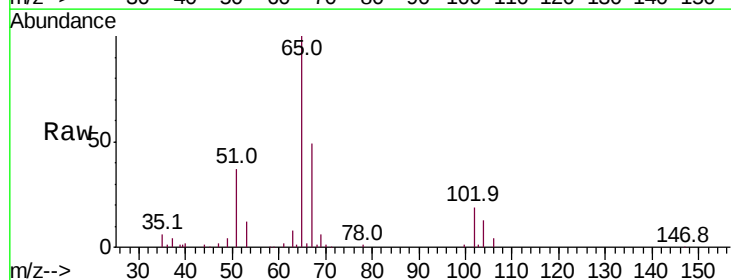
Acq: 17 Sep 2019 18:39

Tgt Ion: 65 Resp: 41263

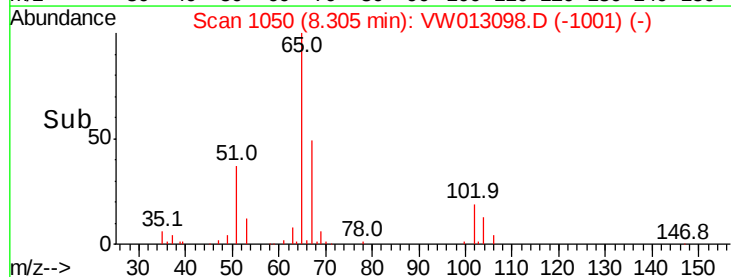
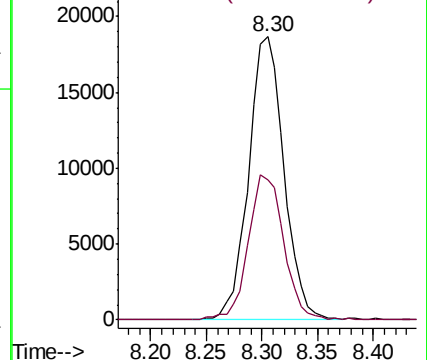
Ion Ratio Lower Upper

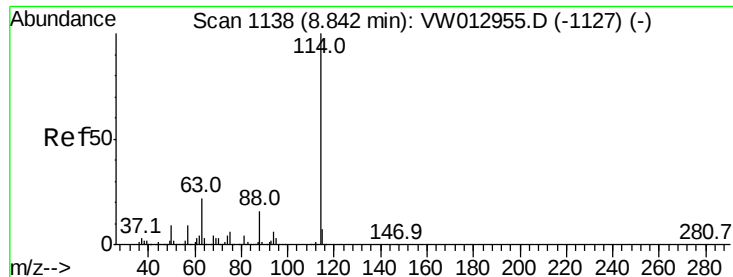
65 100

67 51.4 0.0 101.2



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

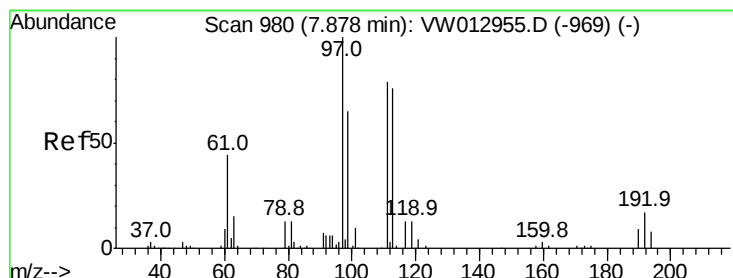
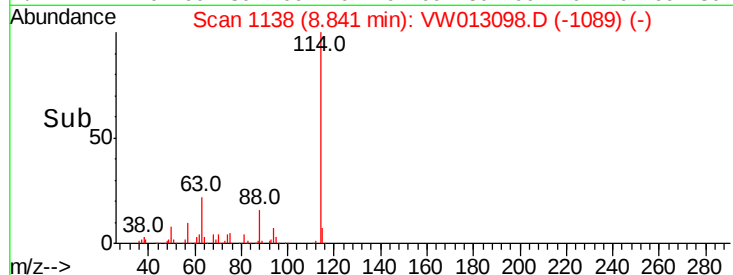
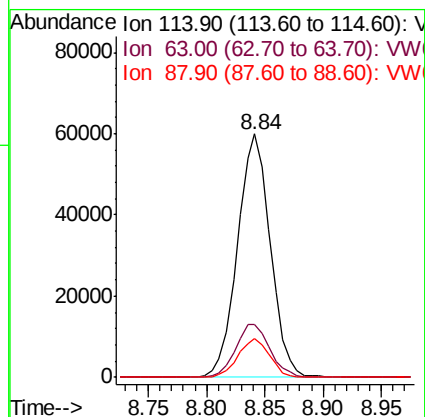
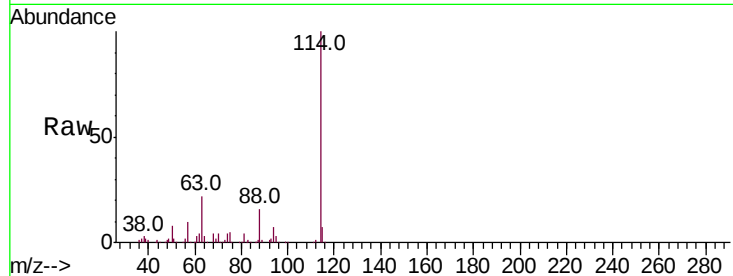




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013098.D
 Acq: 17 Sep 2019 18:39

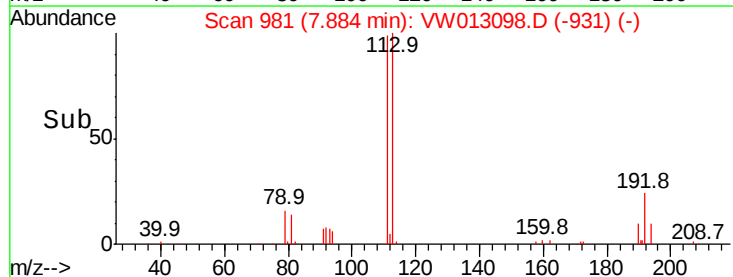
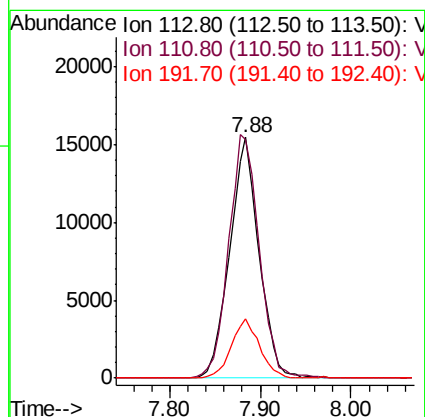
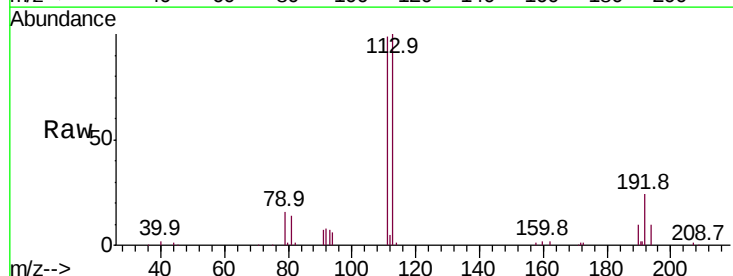
Instrument :
 MSVOA_W
 ClientSampleId :

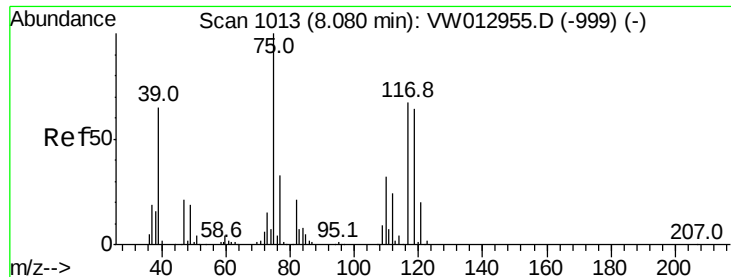
Tot Ion:114 Resp: 117472
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.4
 88 15.7 0.0 31.6



#35
 Dibromofluoromethane
 Concen: 54.299 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013098.D
 Acq: 17 Sep 2019 18:39

Tgt Ion:113 Resp: 34611
 Ion Ratio Lower Upper
 113 100
 111 105.9 82.8 124.2
 192 23.5 17.8 26.8

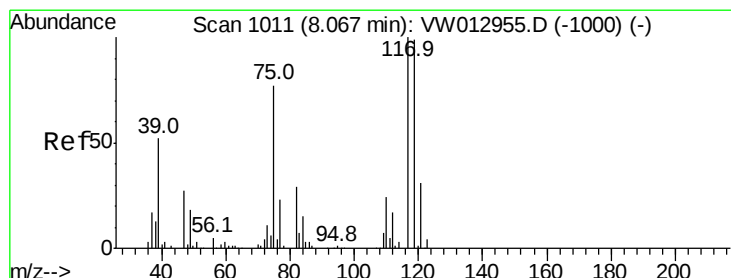
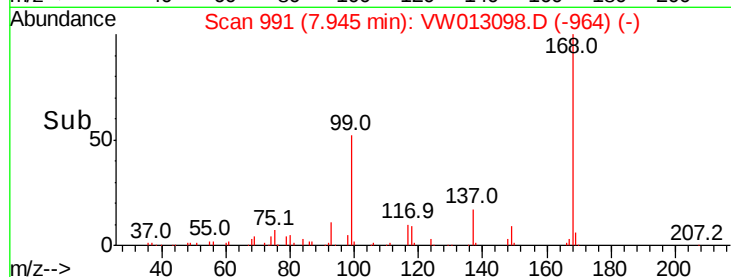
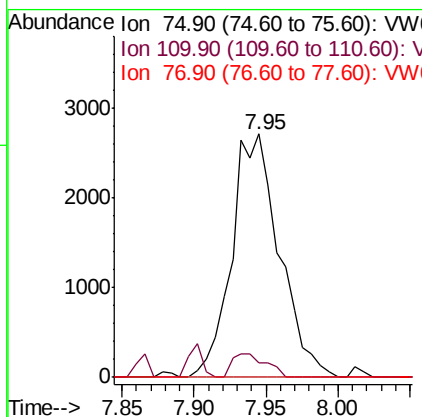
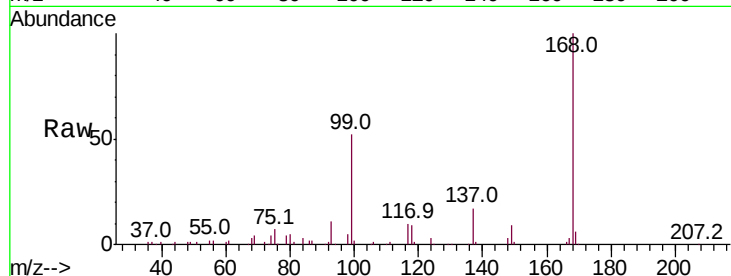




#36
 1,1-Dichloropropene
 Concen: 6.652 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013098.D
 Acq: 17 Sep 2019 18:39

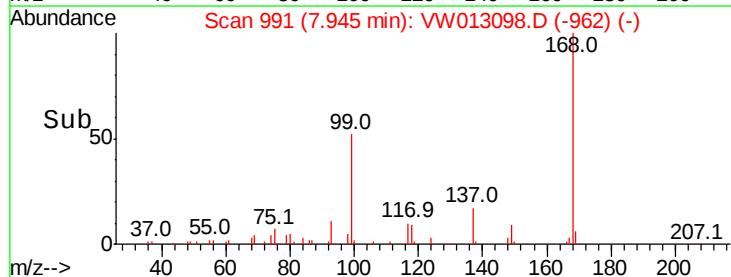
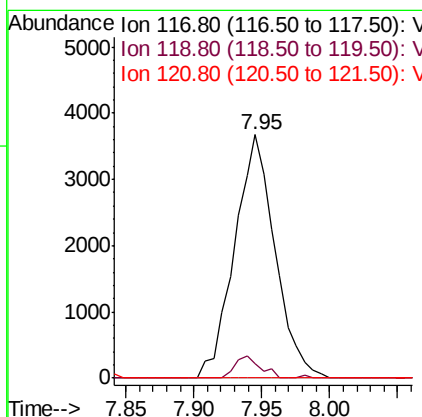
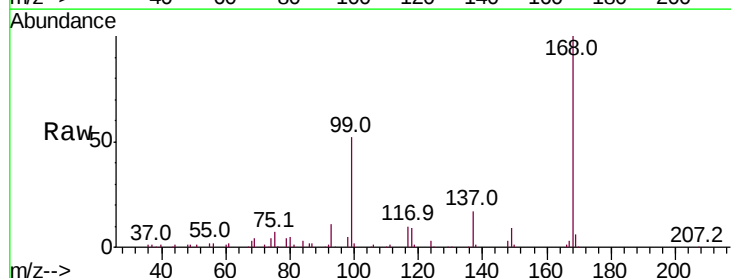
Instrument :
 MSVOA_W
 ClientSampled :

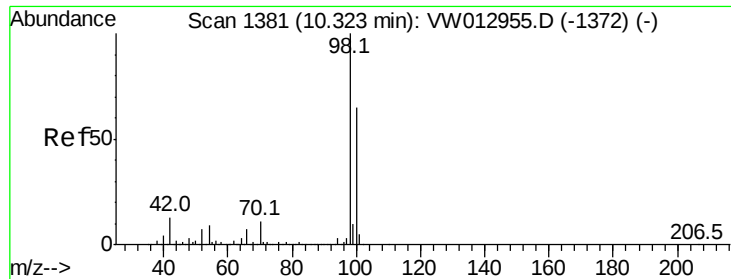
Tot Ion: 75 Resp: 6244
 Ion Ratio Lower Upper
 75 100
 110 6.8 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.913 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013098.D
 Acq: 17 Sep 2019 18:39

Tgt Ion: 117 Resp: 7612
 Ion Ratio Lower Upper
 117 100
 119 5.7 79.4 119.0#
 121 0.0 24.6 36.8#

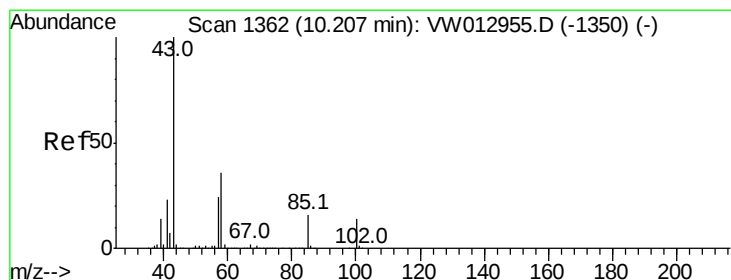
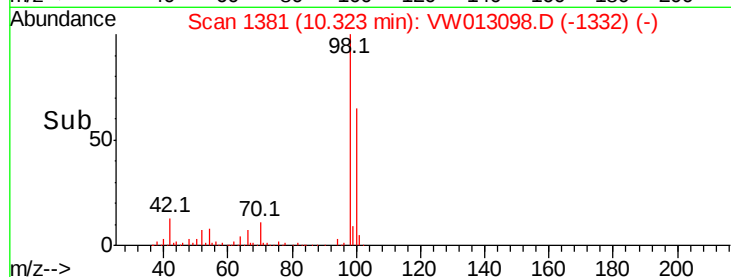
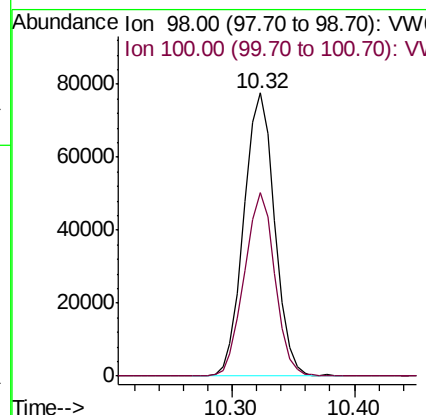
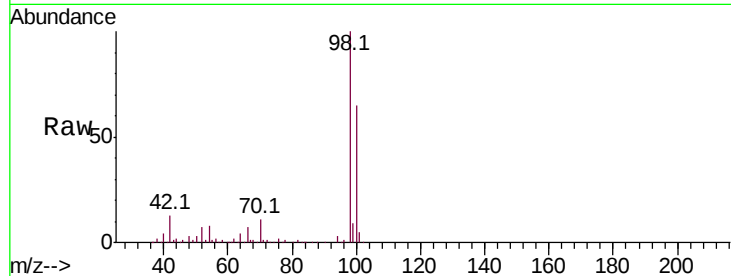




#50
Toluene-d8
Concen: 54.619 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013098.D
Acq: 17 Sep 2019 18:39

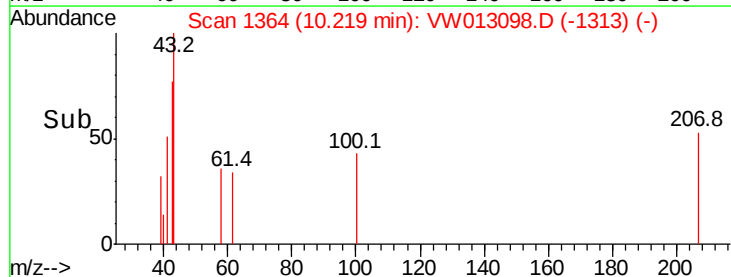
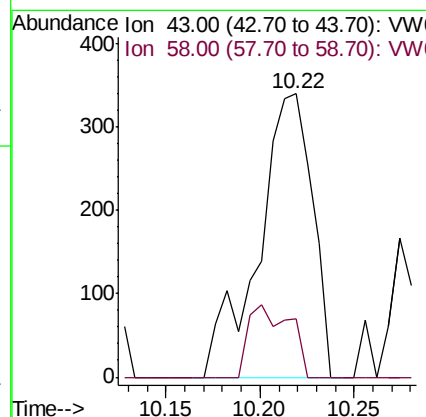
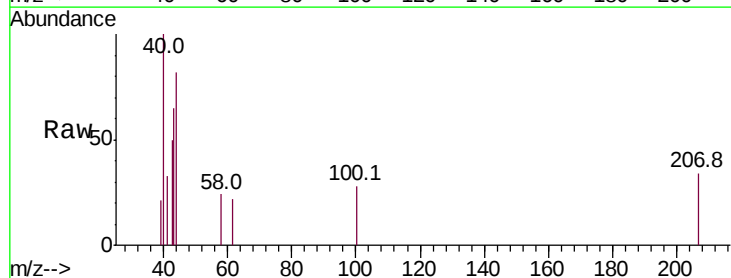
Instrument :
MSVOA_W
ClientSampled :

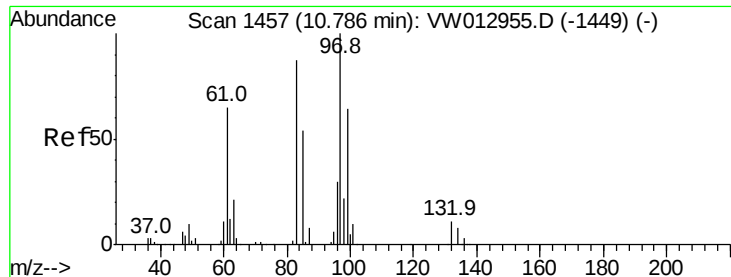
Tot Ion: 98 Resp: 136235
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.369 ug/l
RT: 10.22 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VW013098.D
Acq: 17 Sep 2019 18:39

Tgt Ion: 43 Resp: 676
Ion Ratio Lower Upper
43 100
58 19.5 29.5 44.3#





#55

1,1,2-Trichloroethane

Concen: 1.195 ug/l

RT: 10.69 min Scan# 1442

Delta R.T. -0.09 min

Lab File: VW013098.D

Acq: 17 Sep 2019 18:39

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 607

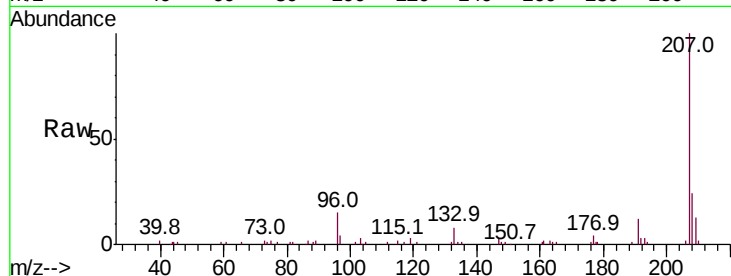
Ion Ratio Lower Upper

97 100

83 0.0 69.4 104.0#

85 0.0 43.3 64.9#

99 0.0 50.9 76.3#

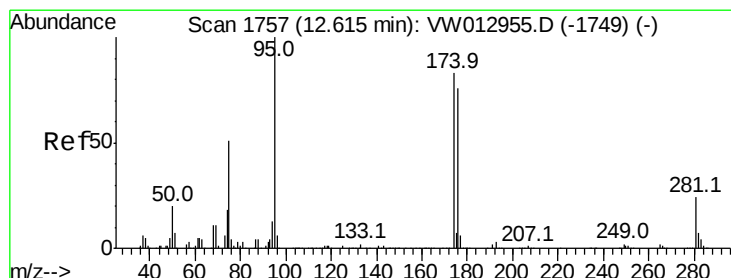
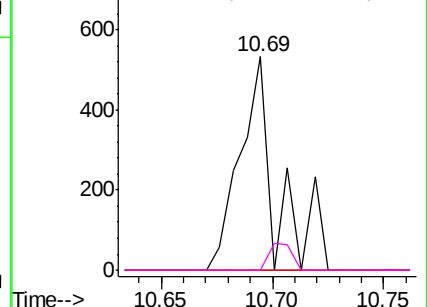
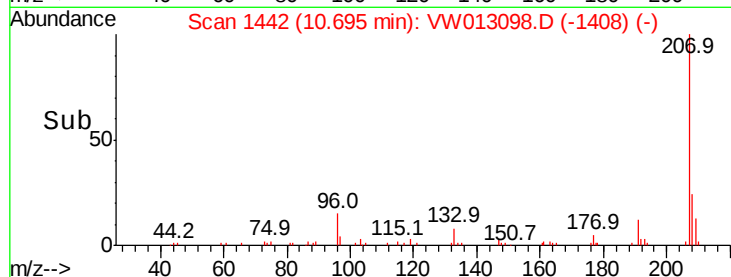


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#62

4-Bromofluorobenzene

Concen: 47.292 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013098.D

Acq: 17 Sep 2019 18:39

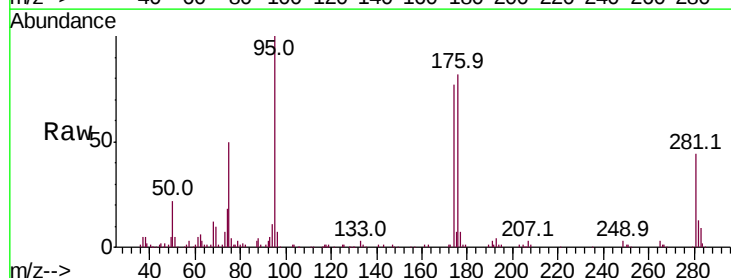
Tgt Ion: 95 Resp: 42416

Ion Ratio Lower Upper

95 100

174 84.9 0.0 170.4

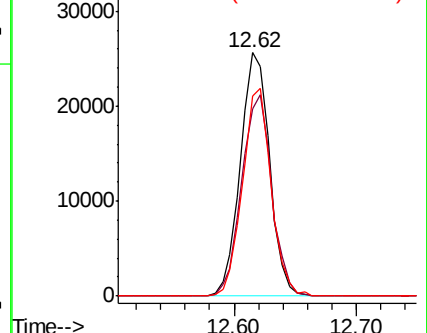
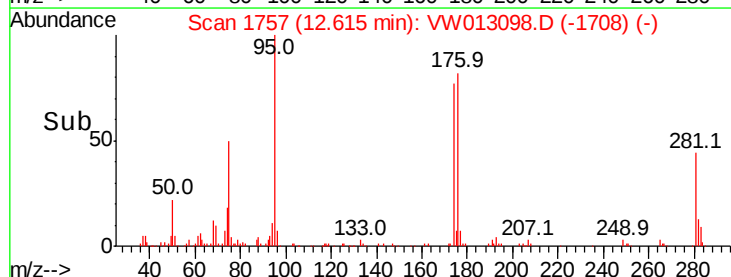
176 83.7 0.0 164.6

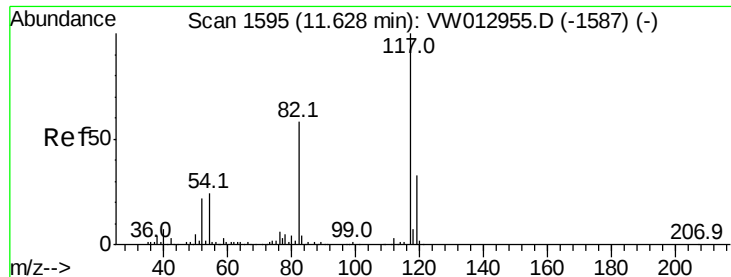


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

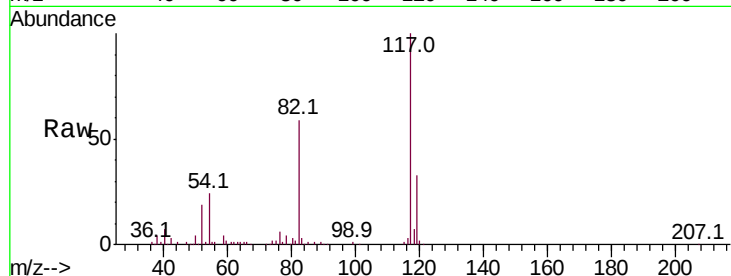




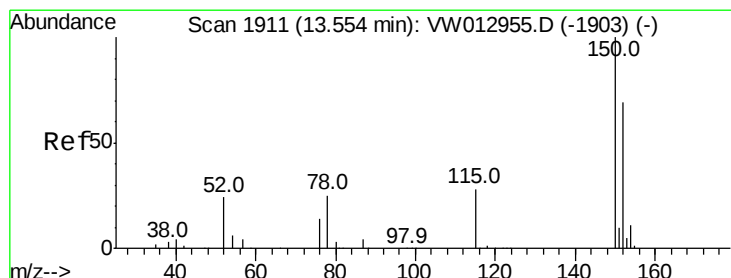
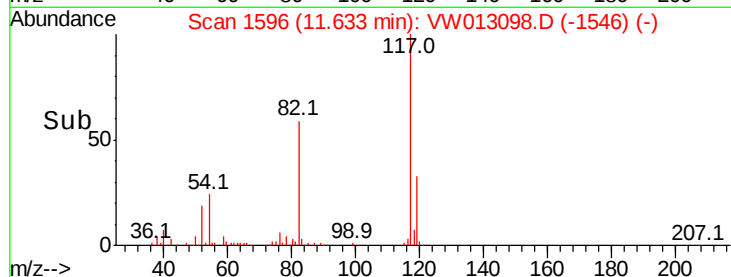
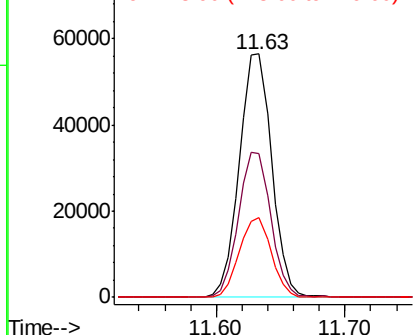
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013098.D
Acq: 17 Sep 2019 18:39

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 98735
Ion Ratio Lower Upper
117 100
82 58.9 46.3 69.5
119 32.9 26.2 39.4

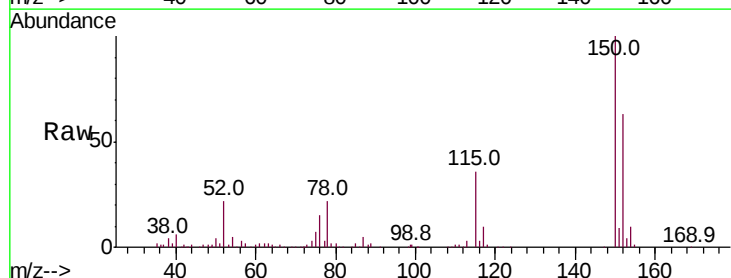


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

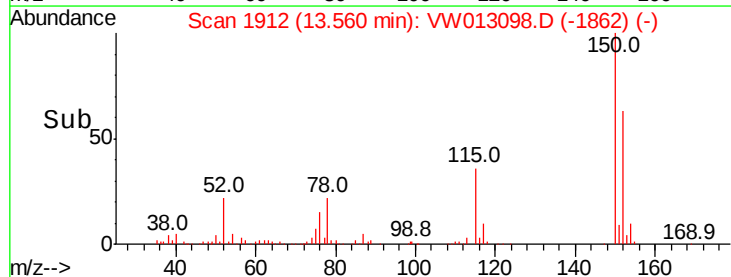
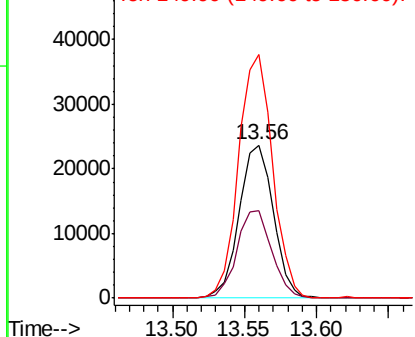


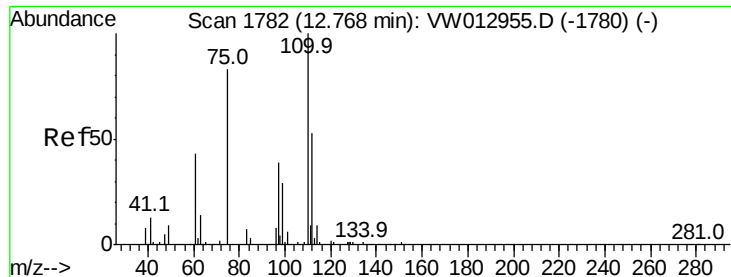
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013098.D
Acq: 17 Sep 2019 18:39

Tgt Ion:152 Resp: 39128
Ion Ratio Lower Upper
152 100
115 58.4 28.8 86.4
150 158.3 0.0 340.2



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: 63.881 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013098.D

Acq: 17 Sep 2019 18:39

Instrument :

MSVOA_W

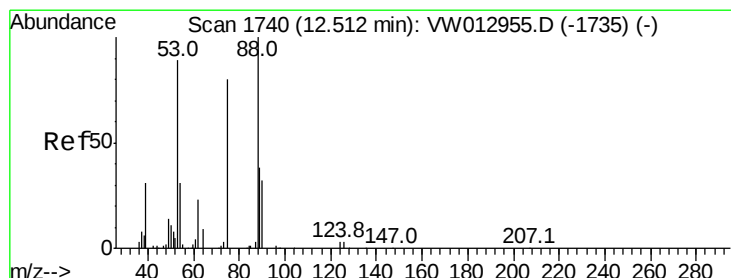
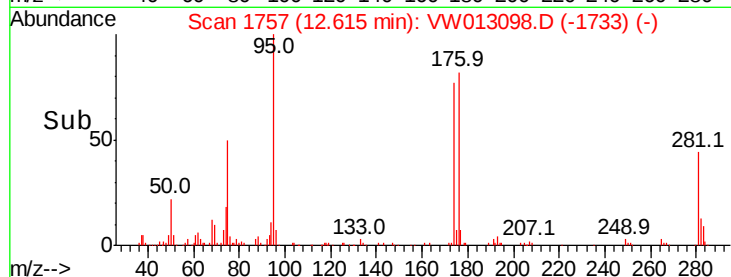
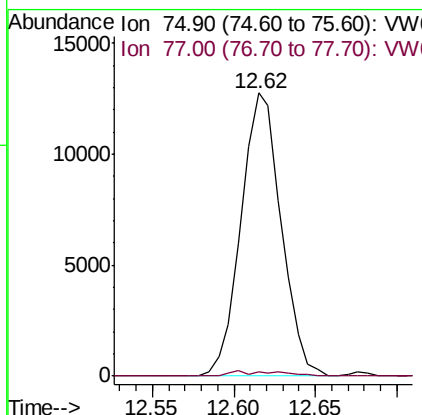
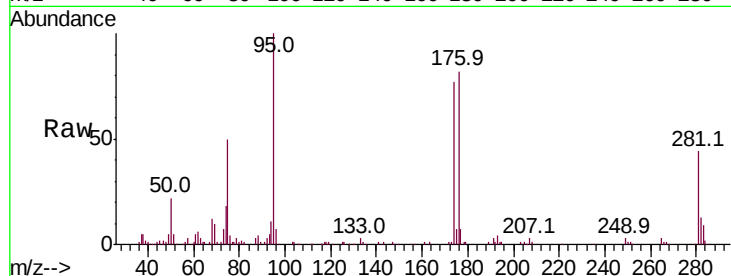
ClientSampleId :

Tot Ion: 75 Resp: 21894

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 144.913 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013098.D

Acq: 17 Sep 2019 18:39

Tgt Ion: 75 Resp: 21894

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.8 37.2 55.8#

