

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013094.D
 Acq On : 17 Sep 2019 16:55
 Operator : SY/VA
 Sample : K4846-05
 Misc : 4.98G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 05:33:52 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

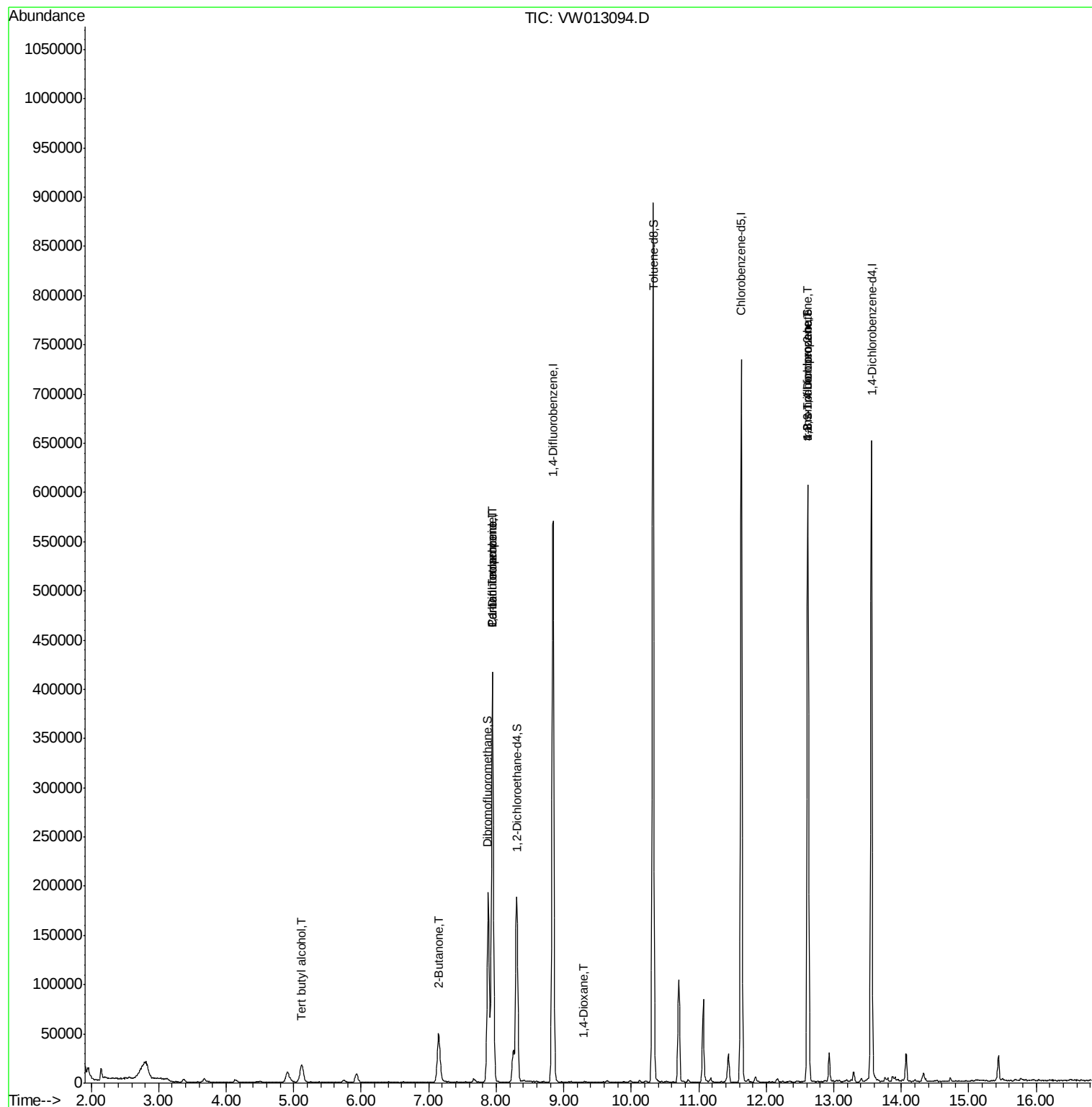
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	317273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	482185	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	406463	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174629	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	154883	52.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.72%	
35) Dibromofluoromethane	7.88	113	137267	52.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.92%	
50) Toluene-d8	10.32	98	572186	55.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.78%	
62) 4-Bromofluorobenzene	12.62	95	180683	49.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	113	Below Cal	#	44
3) Chloromethane	2.21	50	321	Below Cal	#	41
11) Tert butyl alcohol	5.12	59	17690	74.386	ug/l #	75
13) Acrolein	4.00	56	26	Below Cal	#	82
16) Acetone	4.13	43	4187	Below Cal		90
20) Methylene Chloride	4.91	84	8028	Below Cal		95
25) 2-Butanone	7.15	43	3544	3.804	ug/l #	80
26) 2,2-Dichloropropane	7.15	77	3608	Below Cal	#	55
31) Cyclohexane	7.95	56	6448	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	24500	6.359	ug/l #	50
38) Carbon Tetrachloride	7.95	117	30336	7.683	ug/l #	15
49) 1,4-Dioxane	9.29	88	44	1.918	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	93070	60.845	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	93070	138.027	ug/l #	7

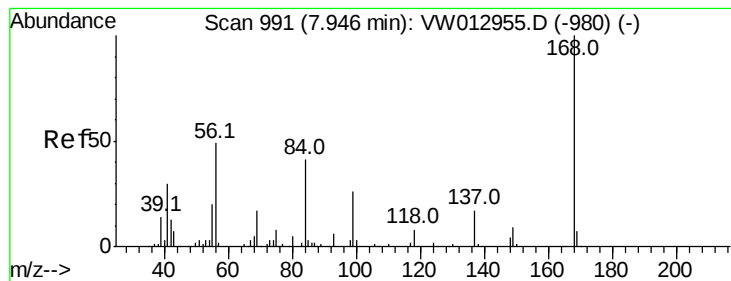
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 13 17:26:01 2019
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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: VW013094.D

Acq: 17 Sep 2019 16:55

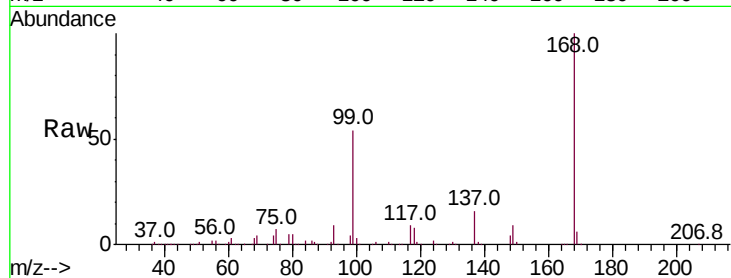
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 317273

Ion Ratio Lower Upper

168 100

99 53.6 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

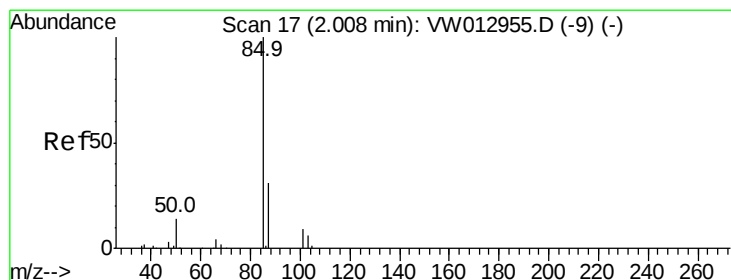
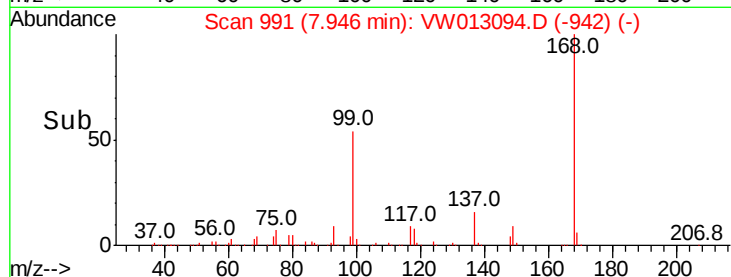
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 14

Delta R.T. -0.02 min

Lab File: VW013094.D

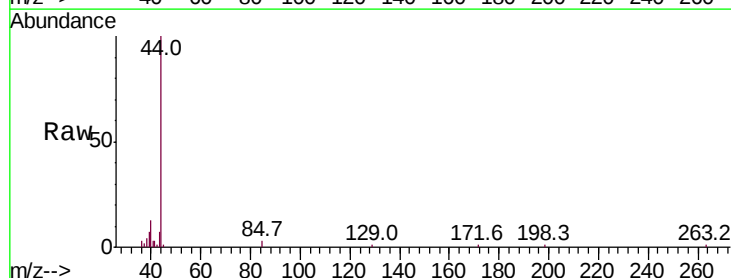
Acq: 17 Sep 2019 16:55

Tgt Ion: 85 Resp: 113

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

1.99

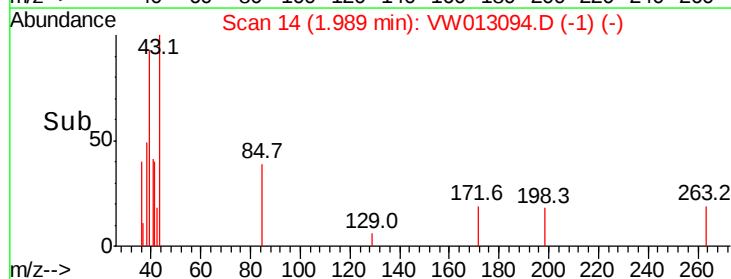
150

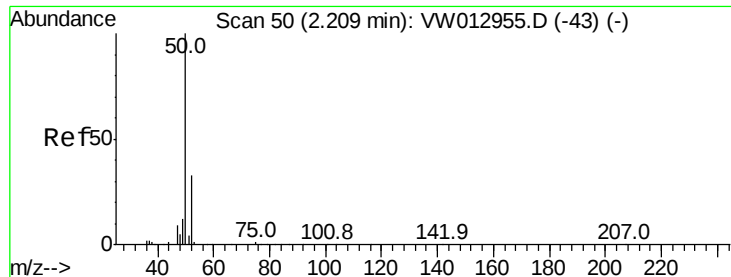
100

50

0

Time--> 1.96 1.98 2.00 2.02 2.04





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013094.D

Acq: 17 Sep 2019 16:55

Instrument :

MSVOA_W

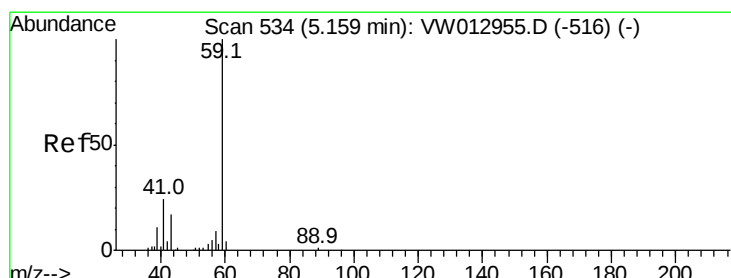
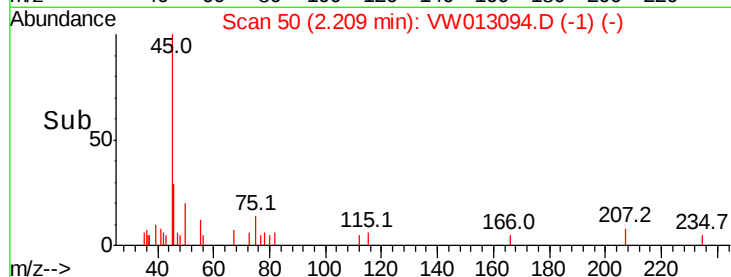
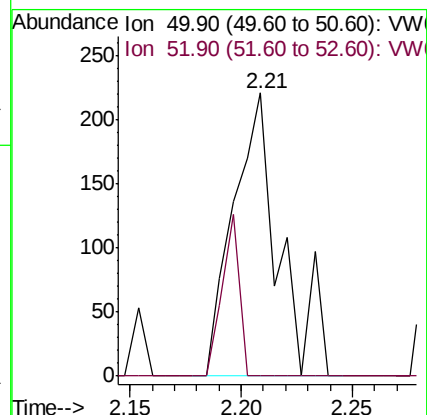
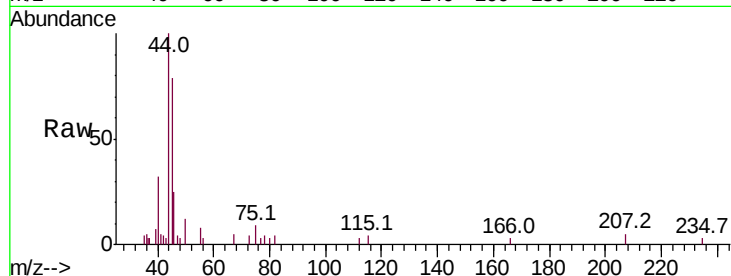
ClientSampleId :

Tot Ion: 50 Resp: 321

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



#11

Tert butyl alcohol

Concen: 74.386 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW013094.D

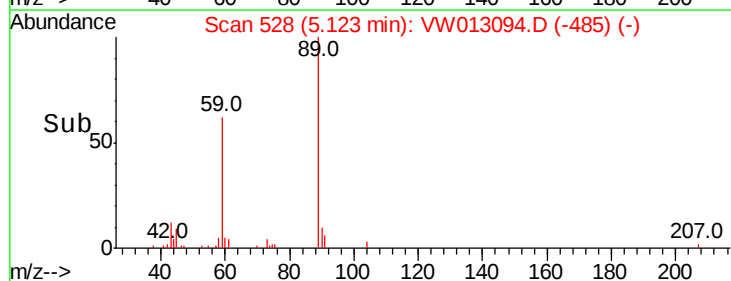
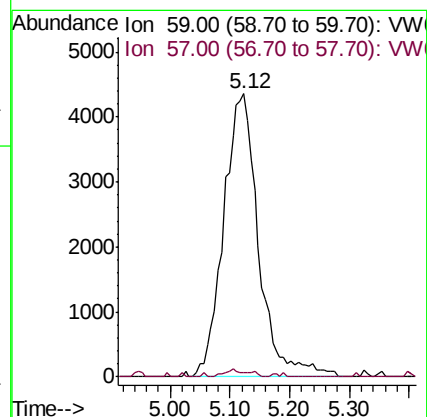
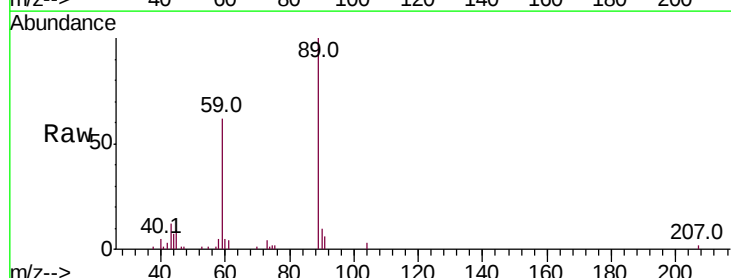
Acq: 17 Sep 2019 16:55

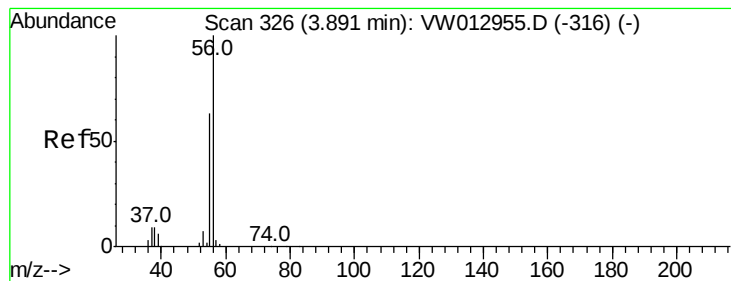
Tgt Ion: 59 Resp: 17690

Ion Ratio Lower Upper

59 100

57 1.3 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 4.00 min Scan# 344

Delta R.T. 0.11 min

Lab File: VW013094.D

Acq: 17 Sep 2019 16:55

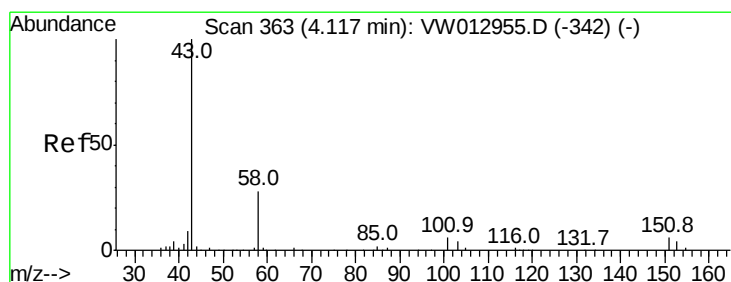
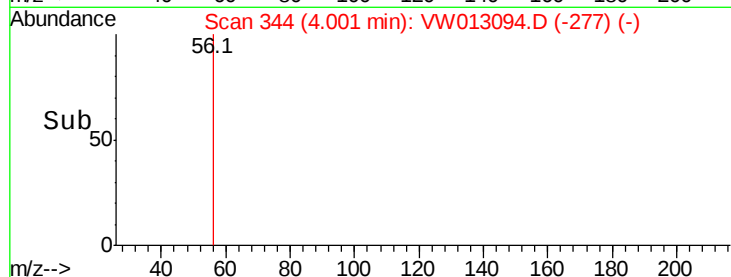
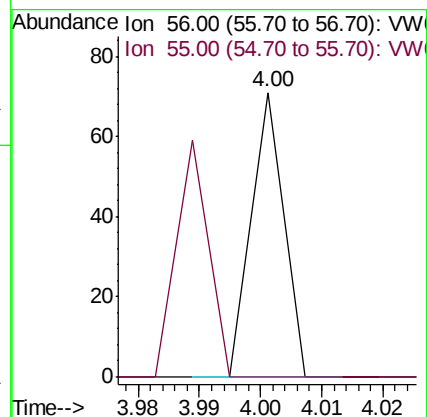
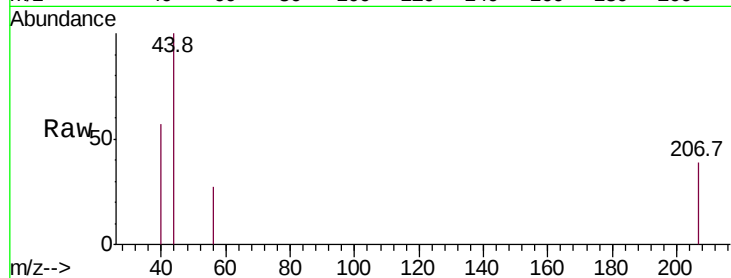
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 26

Ion Ratio Lower Upper

56 100

55 84.6 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013094.D

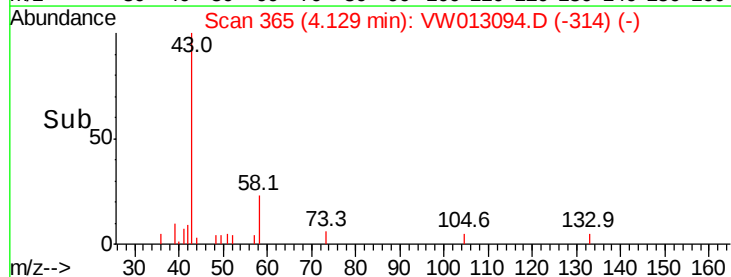
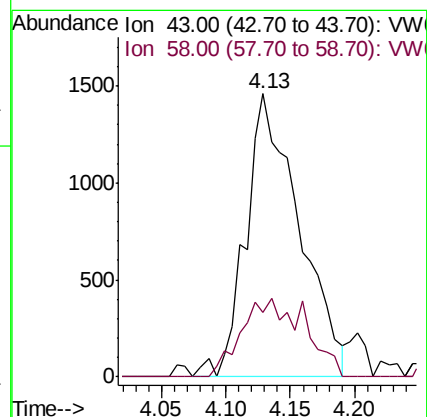
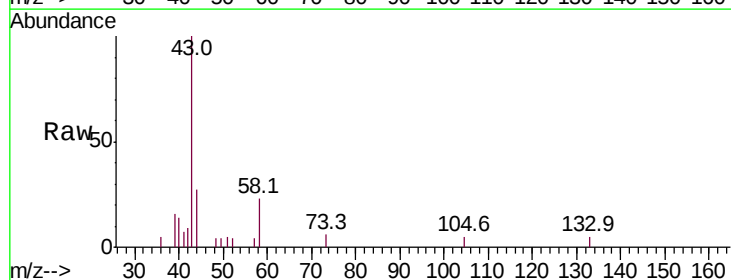
Acq: 17 Sep 2019 16:55

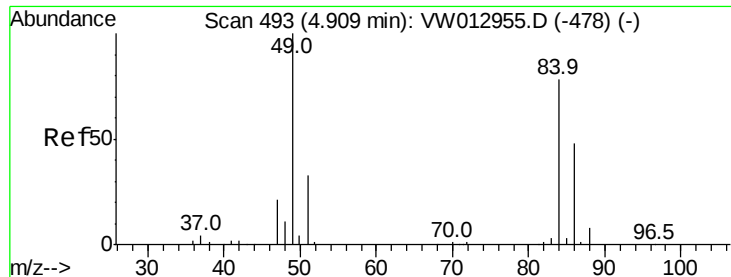
Tgt Ion: 43 Resp: 4187

Ion Ratio Lower Upper

43 100

58 22.9 22.3 33.5

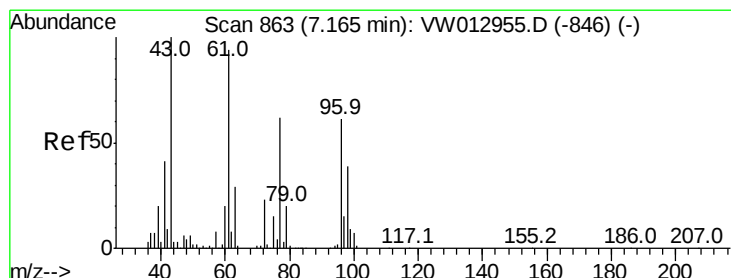
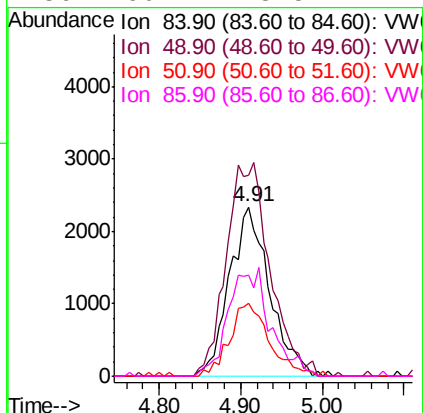
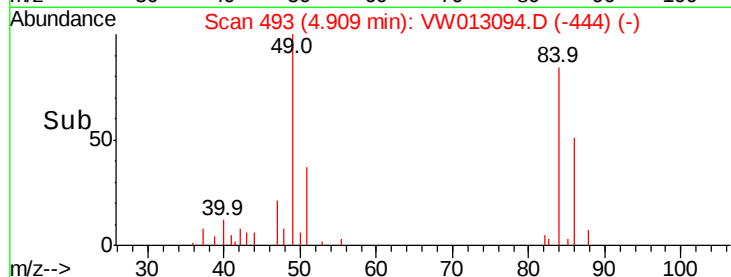
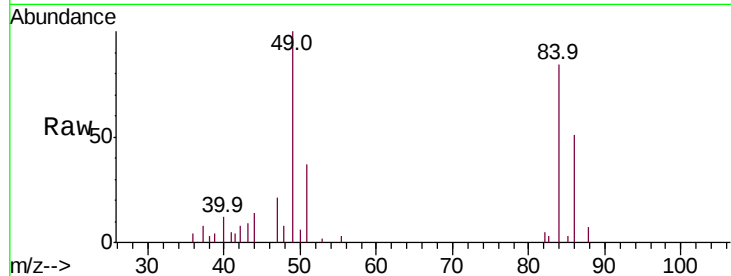




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013094.D
Acq: 17 Sep 2019 16:55

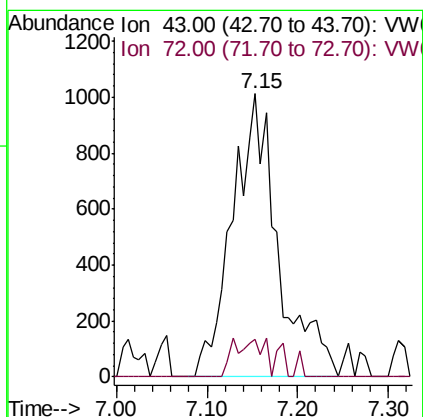
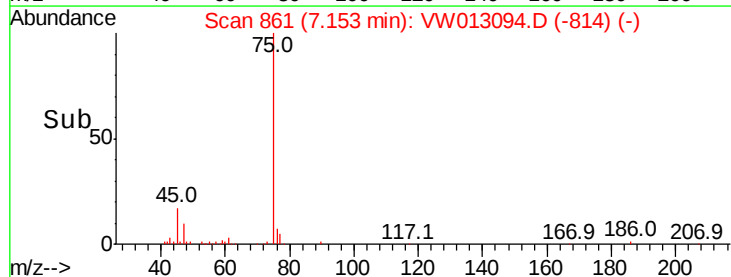
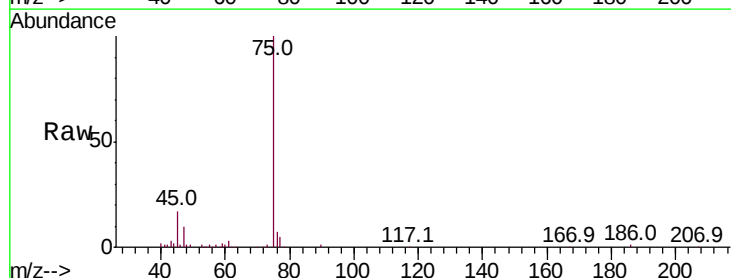
Instrument :
MSVOA_W
ClientSampleId :

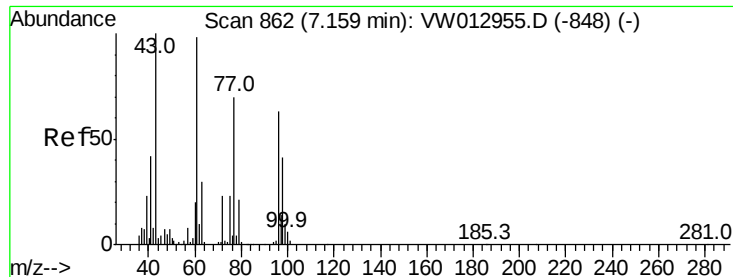
Tot Ion: 84 Resp: 8028
Ion Ratio Lower Upper
84 100
49 118.8 102.0 153.0
51 43.4 34.0 51.0
86 60.2 48.5 72.7



#25
2-Butanone
Concen: 3.804 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW013094.D
Acq: 17 Sep 2019 16:55

Tgt Ion: 43 Resp: 3544
Ion Ratio Lower Upper
43 100
72 13.3 18.2 27.4#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013094.D

Acq: 17 Sep 2019 16:55

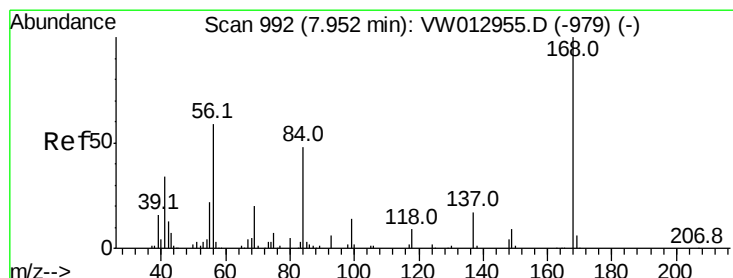
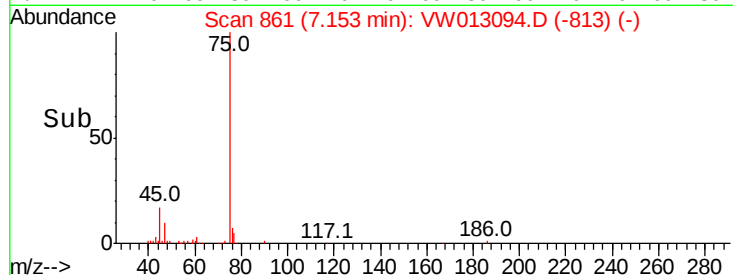
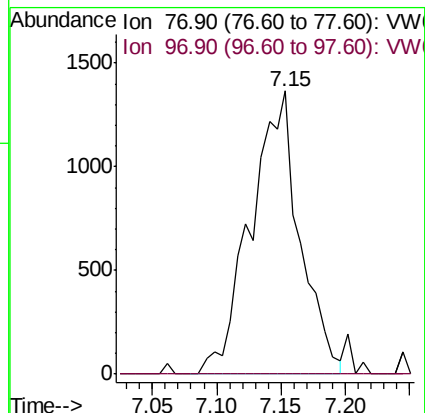
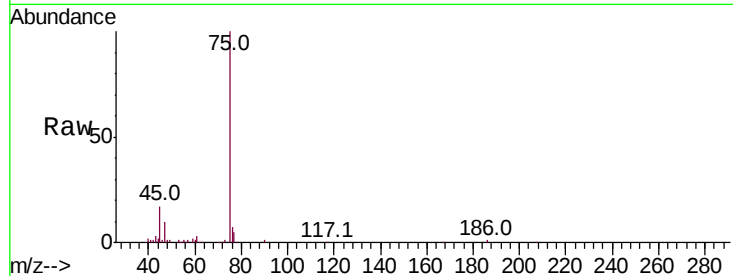
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 77 Resp: 3608

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: VW013094.D

Acq: 17 Sep 2019 16:55

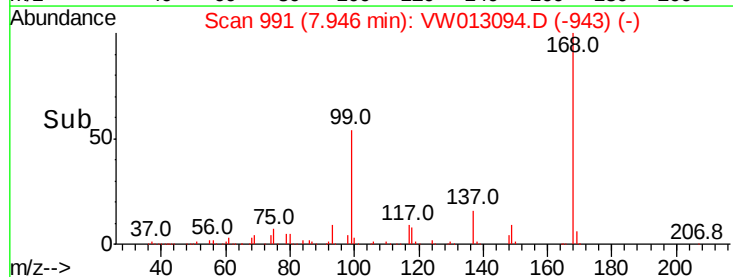
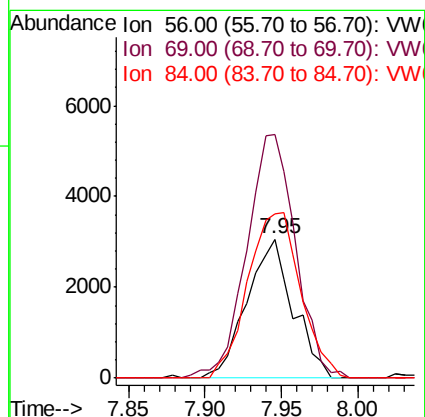
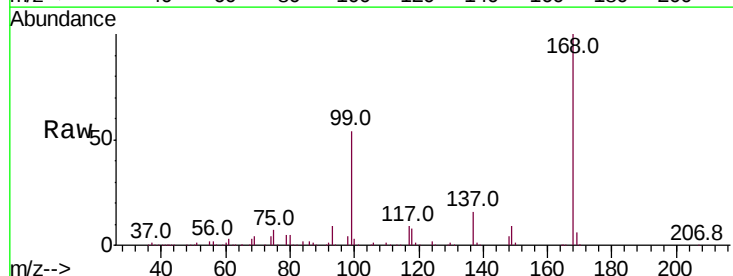
Tgt Ion: 56 Resp: 6448

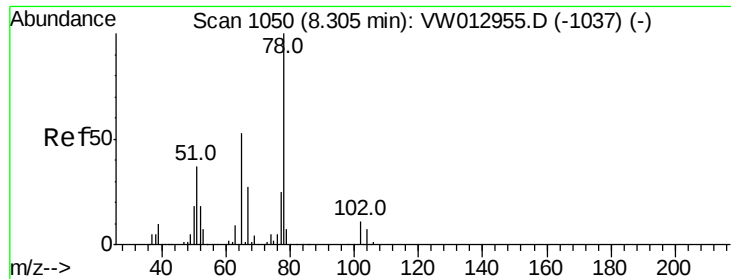
Ion Ratio Lower Upper

56 100

69 173.1 27.0 40.6#

84 118.3 66.2 99.2#





#33

1,2-Dichloroethane-d4

Concen: 52.857 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013094.D

Acq: 17 Sep 2019 16:55

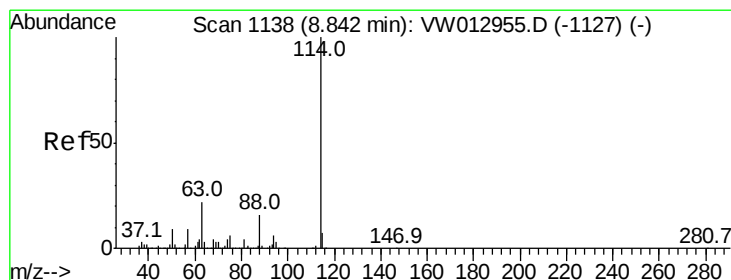
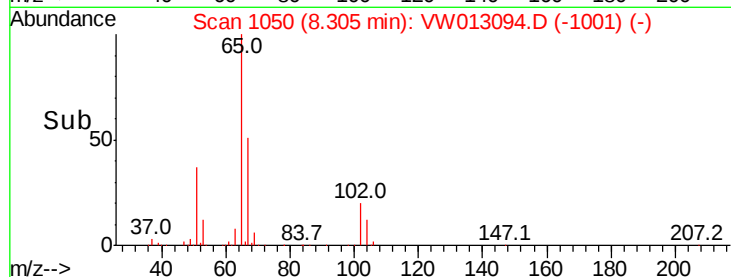
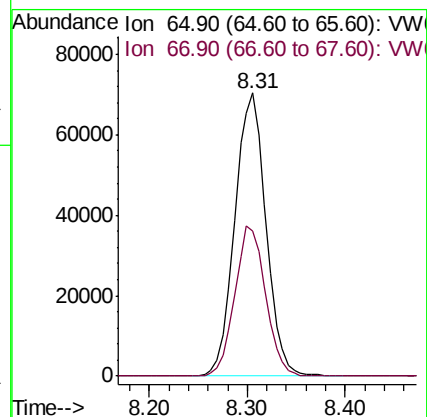
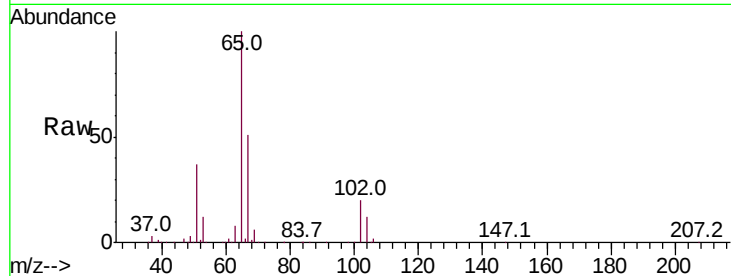
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 65 Resp: 154883

Ion Ratio Lower Upper

65 100

67 52.7 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013094.D

Acq: 17 Sep 2019 16:55

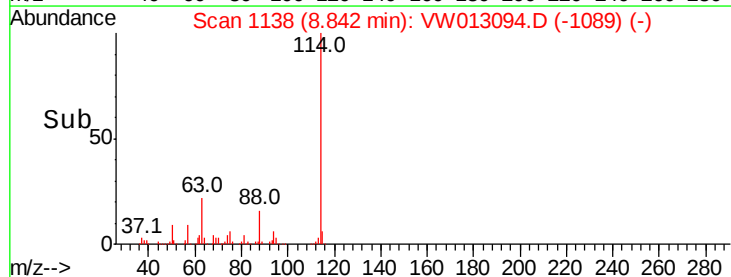
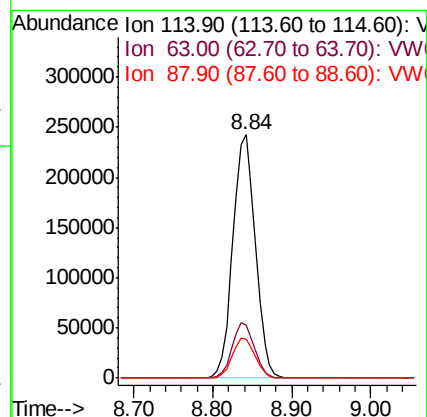
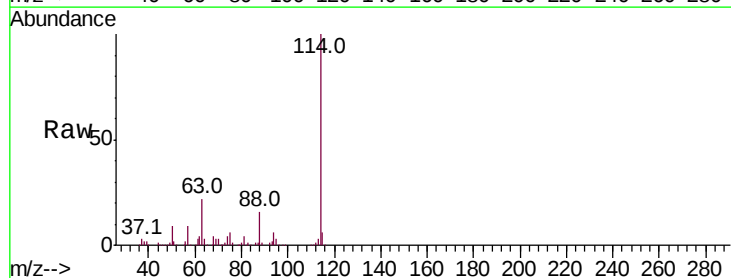
Tgt Ion: 114 Resp: 482185

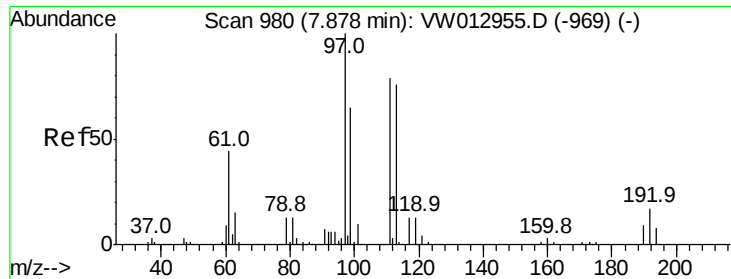
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.4

88 15.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 52.464 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW013094.D

Acq: 17 Sep 2019 16:55

Instrument :

MSVOA_W

ClientSampled :

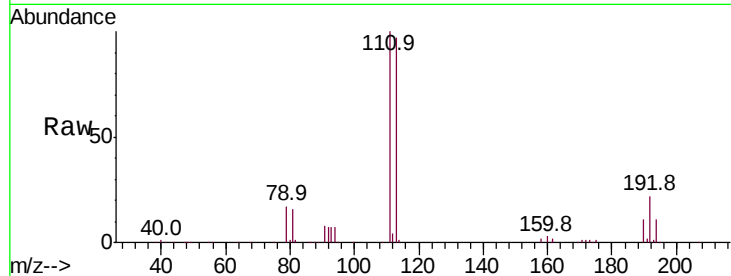
Tot Ion:113 Resp: 137267

Ion Ratio Lower Upper

113 100

111 102.1 82.8 124.2

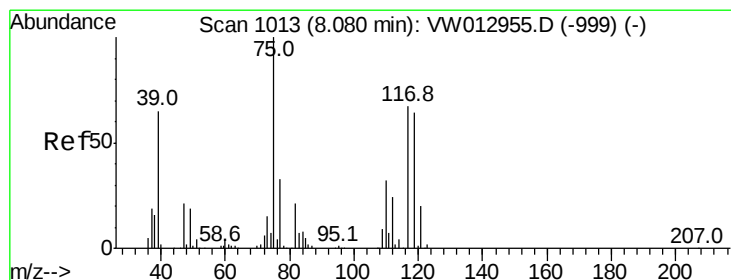
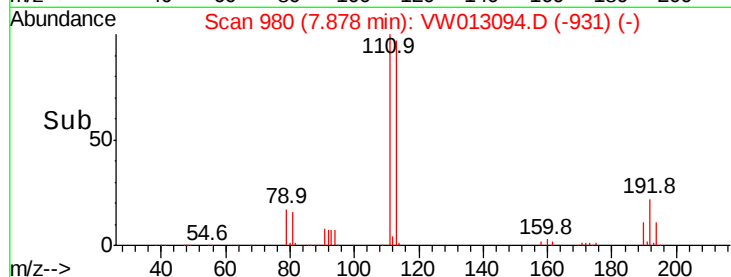
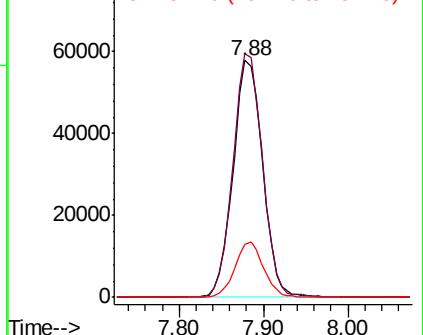
192 22.4 17.8 26.8



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: 6.359 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013094.D

Acq: 17 Sep 2019 16:55

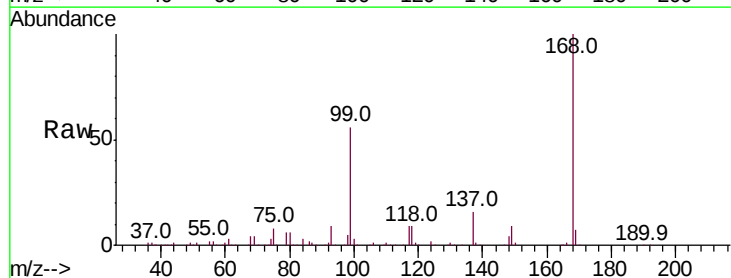
Tgt Ion: 75 Resp: 24500

Ion Ratio Lower Upper

75 100

110 8.1 16.4 49.1#

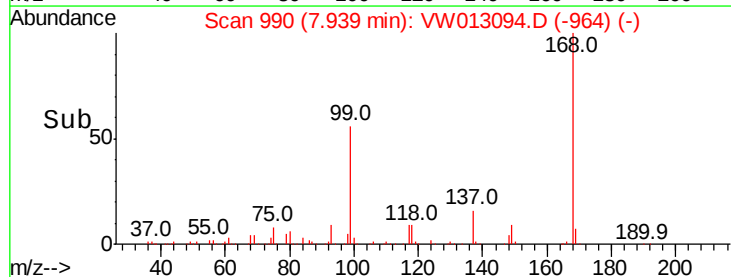
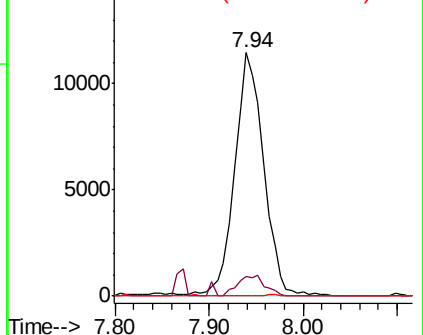
77 0.0 25.1 37.7#

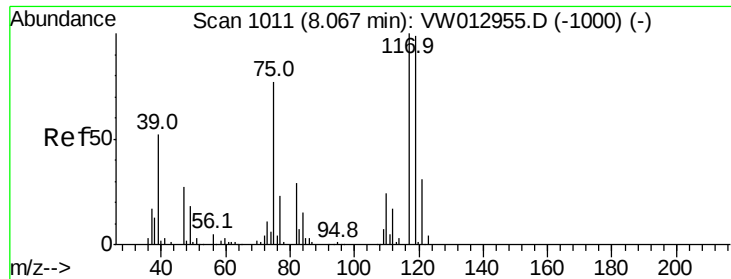


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.683 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013094.D

Acq: 17 Sep 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

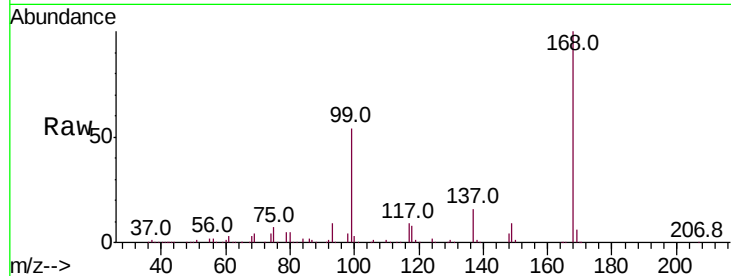
Tot Ion:117 Resp: 30336

Ion Ratio Lower Upper

117 100

119 5.5 79.4 119.0#

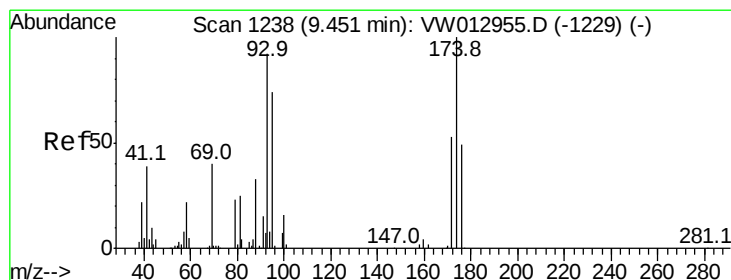
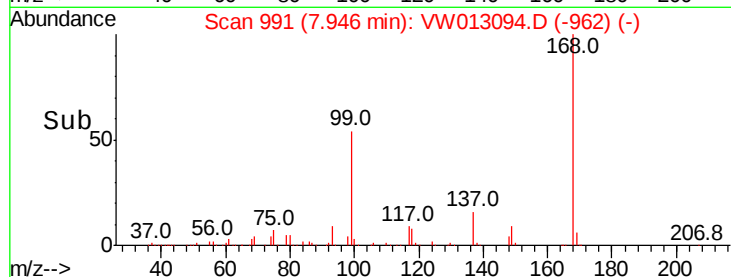
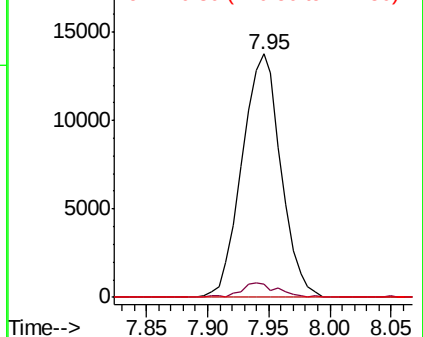
121 0.0 24.6 36.8#



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: 1.918 ug/l

RT: 9.29 min Scan# 1211

Delta R.T. -0.16 min

Lab File: VW013094.D

Acq: 17 Sep 2019 16:55

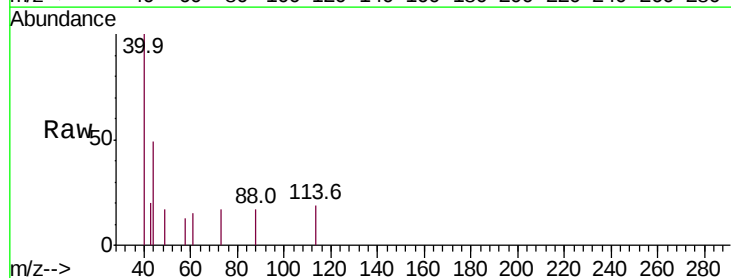
Tgt Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 450.0 31.3 46.9#

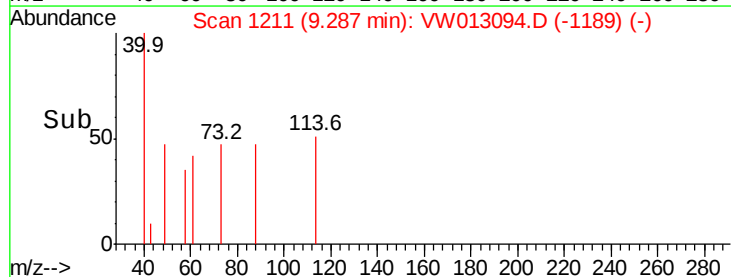
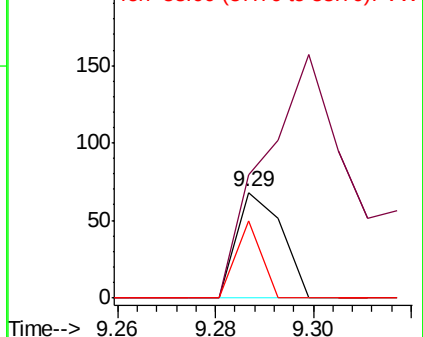
58 40.9 60.2 90.2#

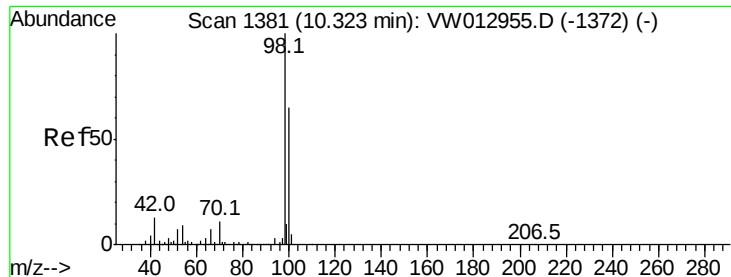


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

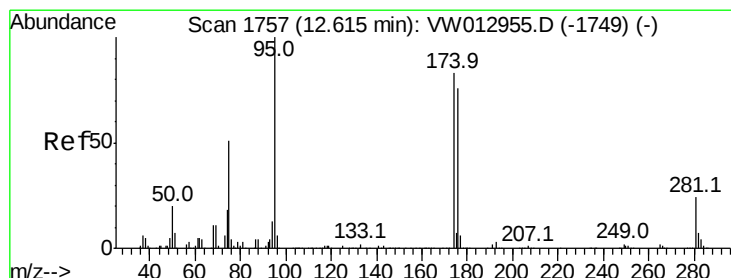
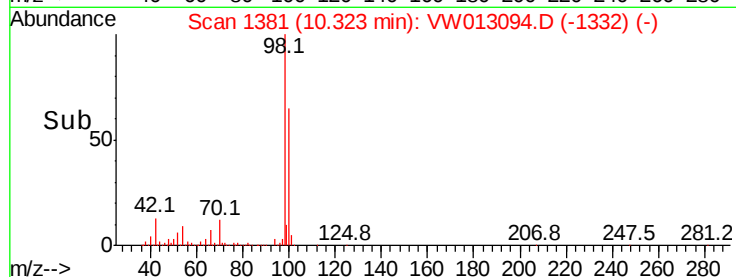
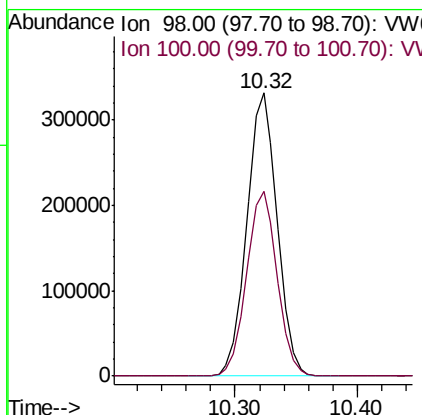
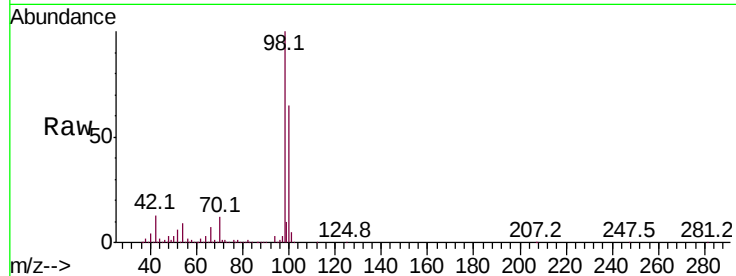




#50
Toluene-d8
Concen: 55.887 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013094.D
Acq: 17 Sep 2019 16:55

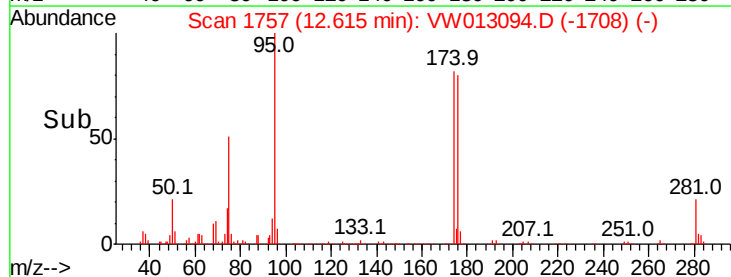
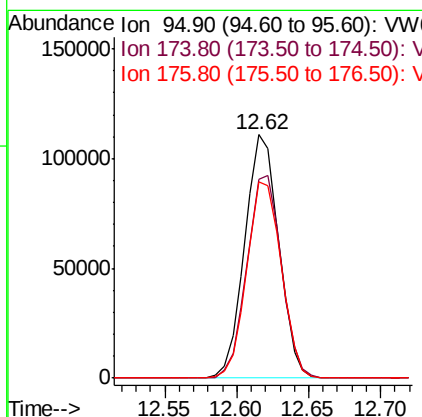
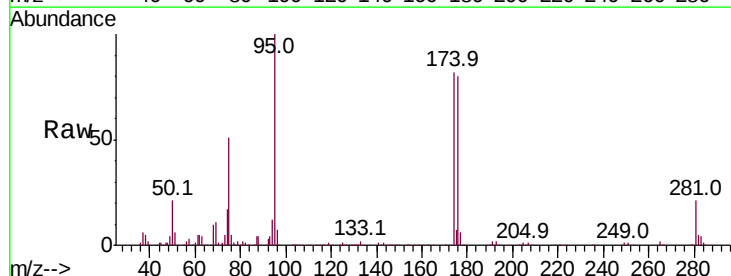
Instrument :
MSVOA_W
ClientSampleId :

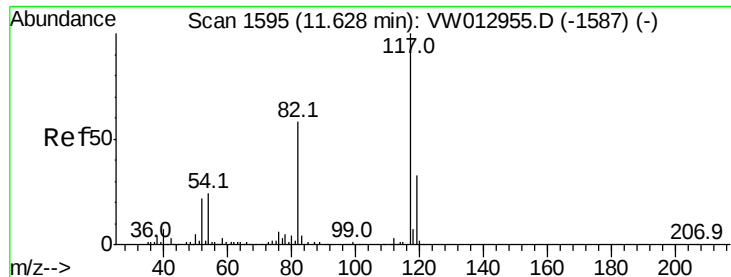
Tot Ion: 98 Resp: 572186
Ion Ratio Lower Upper
98 100
100 65.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 49.079 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013094.D
Acq: 17 Sep 2019 16:55

Tgt Ion: 95 Resp: 180683
Ion Ratio Lower Upper
95 100
174 84.5 0.0 170.4
176 82.1 0.0 164.6

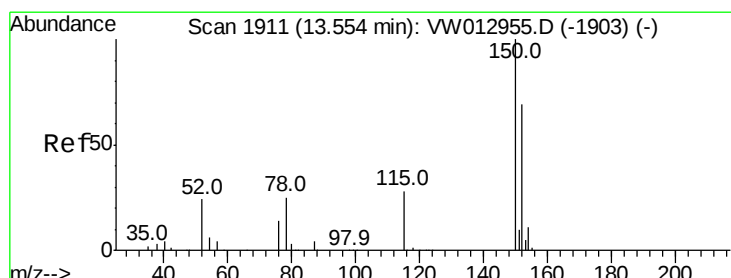
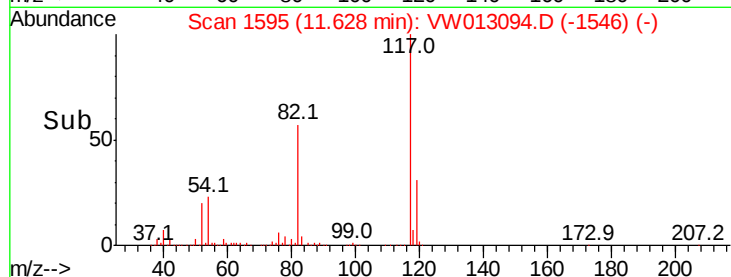
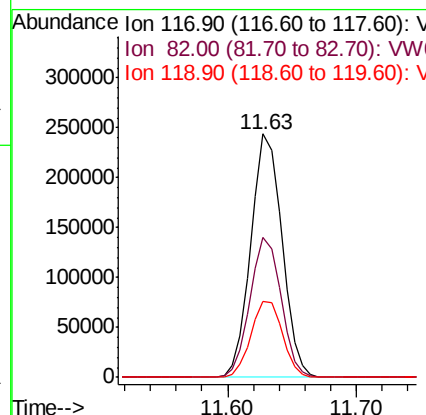
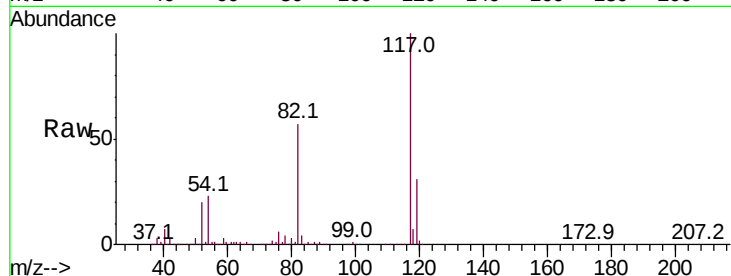




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013094.D
Acq: 17 Sep 2019 16:55

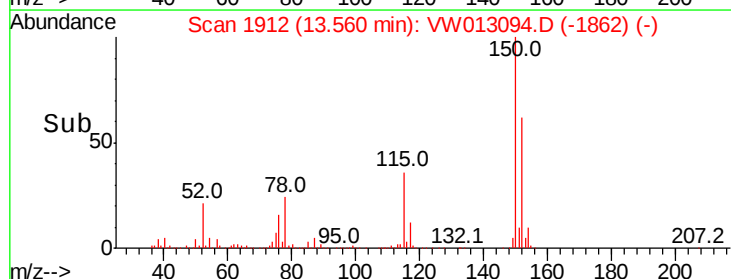
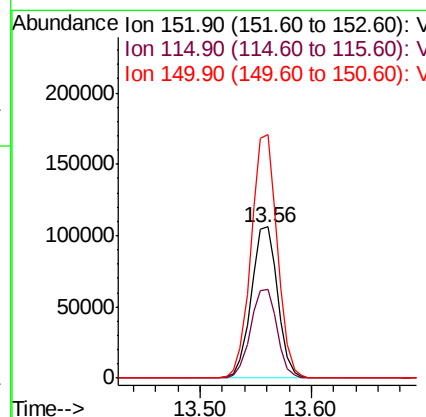
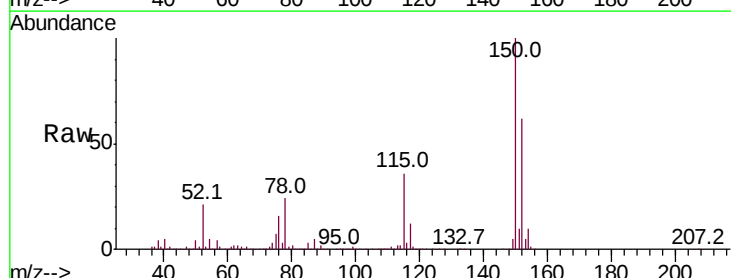
Instrument :
MSVOA_W
ClientSampleId :

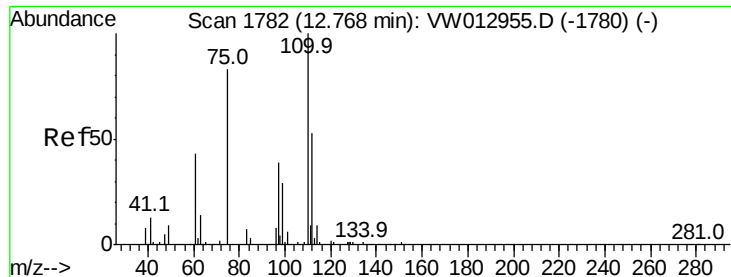
Tot Ion:117 Resp: 406463
Ion Ratio Lower Upper
117 100
82 57.2 46.3 69.5
119 31.1 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013094.D
Acq: 17 Sep 2019 16:55

Tgt Ion:152 Resp: 174629
Ion Ratio Lower Upper
152 100
115 59.0 28.8 86.4
150 159.1 0.0 340.2





#76

1,2,3-Trichloropropane

Concen: 60.845 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013094.D

Acq: 17 Sep 2019 16:55

Instrument :

MSVOA_W

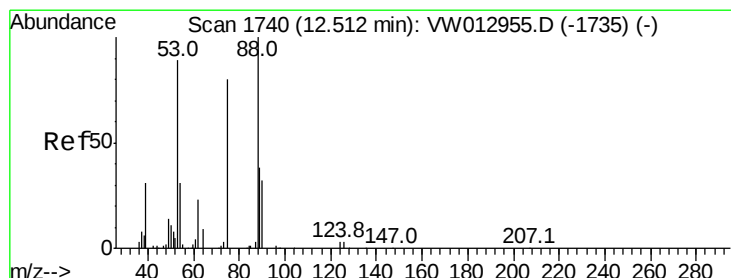
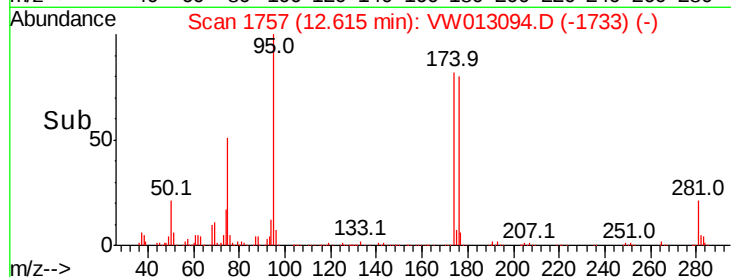
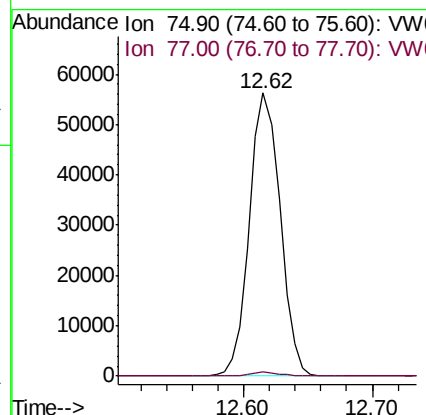
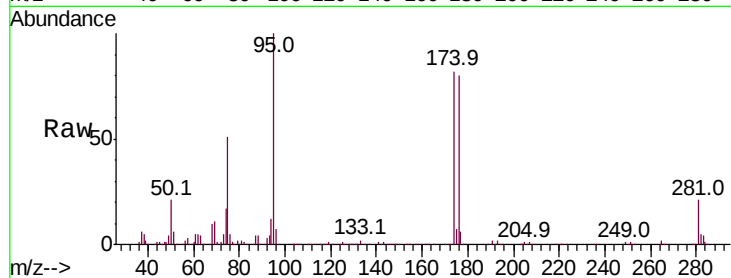
ClientSampleId :

Tot Ion: 75 Resp: 93070

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.027 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013094.D

Acq: 17 Sep 2019 16:55

Tgt Ion: 75 Resp: 93070

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.4 37.2 55.8#

