

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013000.D
 Acq On : 14 Sep 2019 18:05
 Operator : SY/VA
 Sample : K4852-17
 Misc : 6.42G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:53:57 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	301323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	451276	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	374403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	161548	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	155316	55.81	ug/l	0.00
Spiked Amount			Recovery	=	111.62%	
35) Dibromofluoromethane	7.88	113	129399	52.84	ug/l	0.00
Spiked Amount			Recovery	=	105.68%	
50) Toluene-d8	10.32	98	528608	55.17	ug/l	0.00
Spiked Amount			Recovery	=	110.34%	
62) 4-Bromofluorobenzene	12.62	95	161057	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	

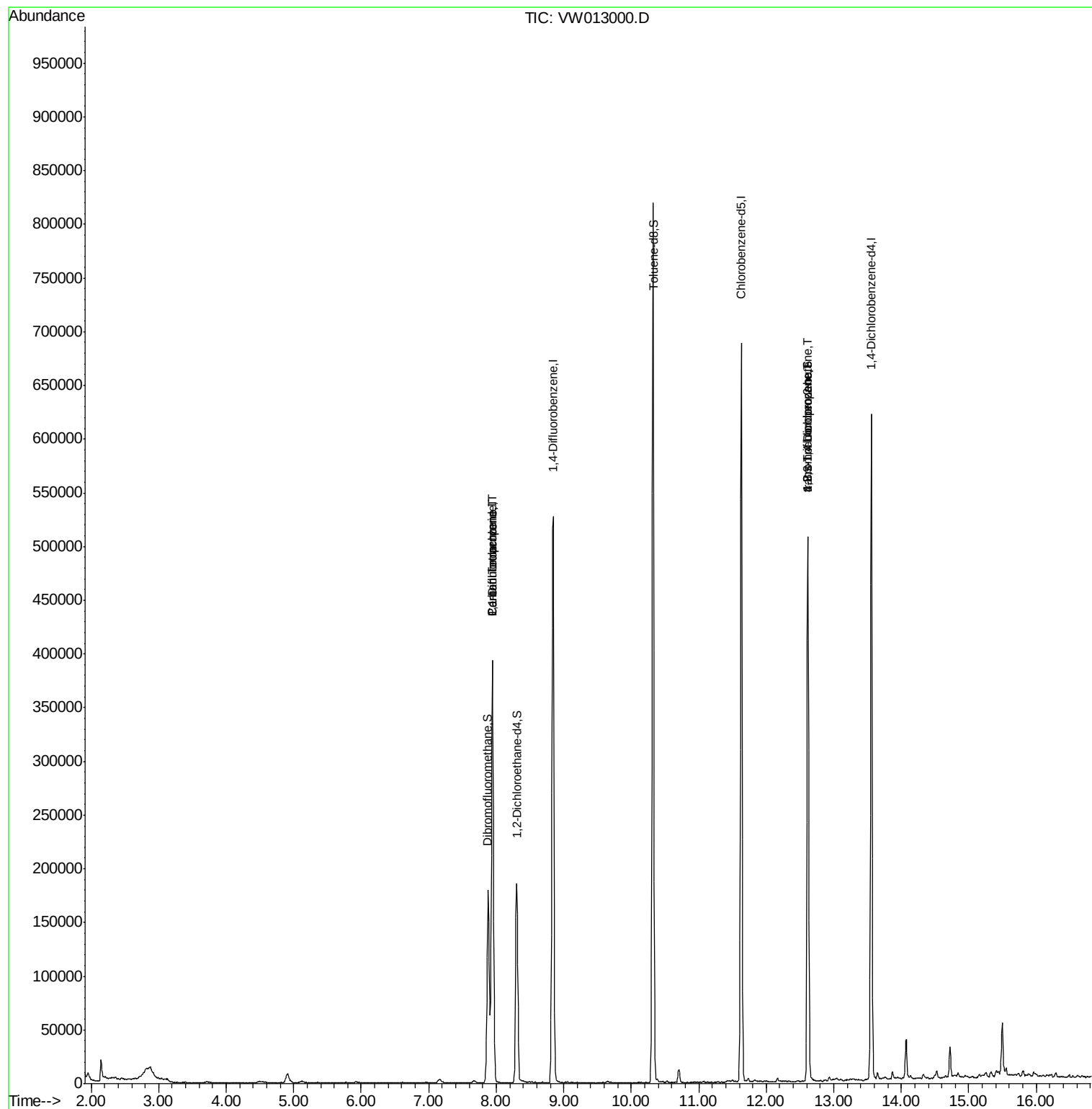
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	58	Below Cal	#	44
3) Chloromethane	2.21	50	265	Below Cal		98
11) Tert butyl alcohol	5.12	59	1508	Below Cal	#	76
13) Acrolein	4.01	56	19	Below Cal	#	44
16) Acetone	4.14	43	1057	Below Cal		93
20) Methylene Chloride	4.91	84	6713	Below Cal		90
26) 2,2-Dichloropropane	7.15	77	237	Below Cal	#	55
31) Cyclohexane	7.95	56	6416	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	23085	6.402	ug/l #	50
38) Carbon Tetrachloride	7.95	117	28420	7.691	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	81981	57.936	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	81981	131.426	ug/l #	7

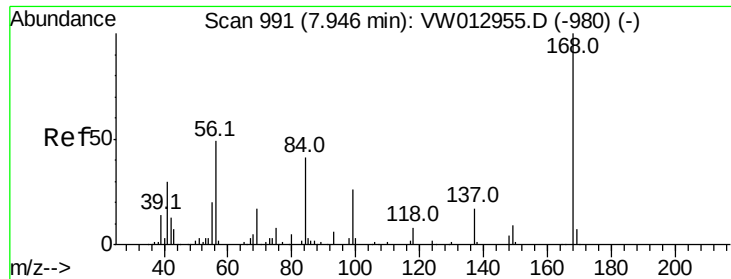
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091519\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 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: VW013000.D

Acq: 14 Sep 2019 18:05

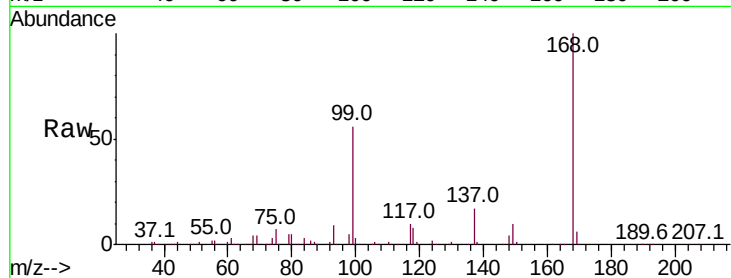
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 301323

Ion Ratio Lower Upper

168 100

99 55.6 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

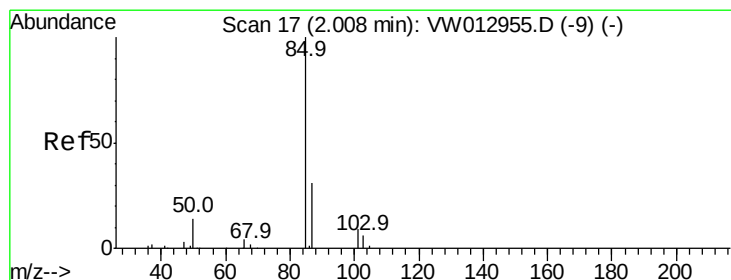
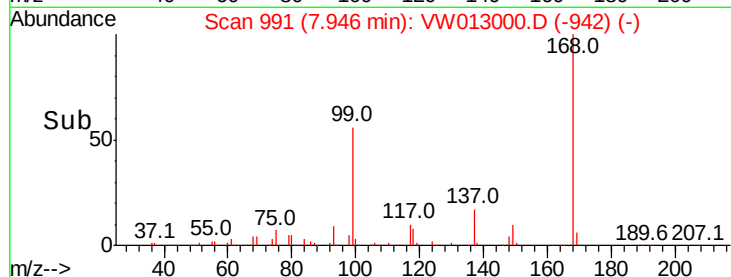
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013000.D

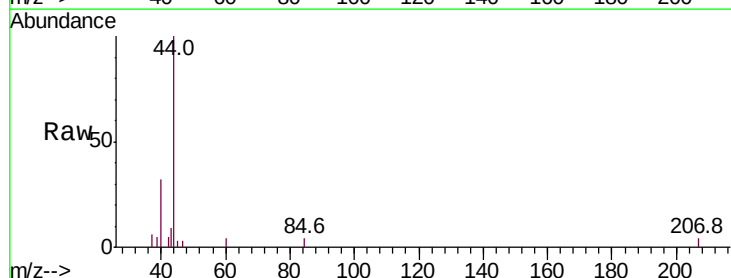
Acq: 14 Sep 2019 18:05

Tgt Ion: 85 Resp: 58

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

2.01

100

80

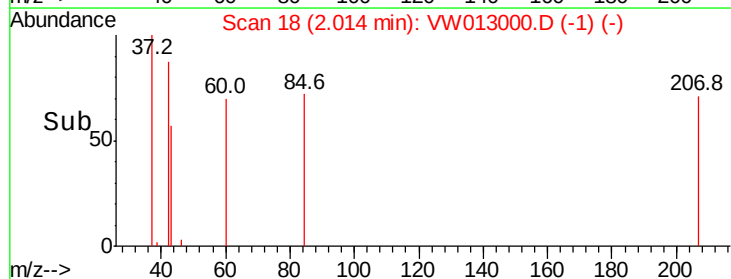
60

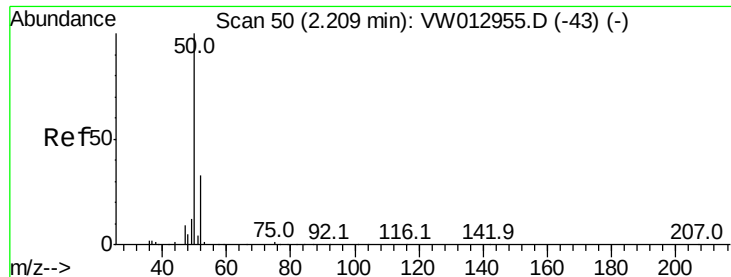
40

20

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013000.D

Acq: 14 Sep 2019 18:05

Instrument :

MSVOA_W

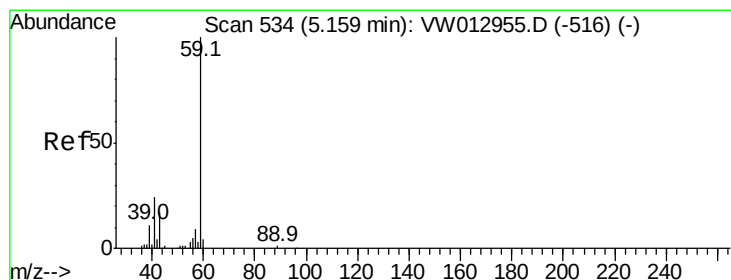
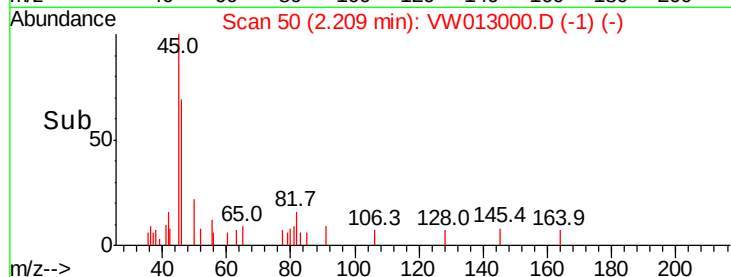
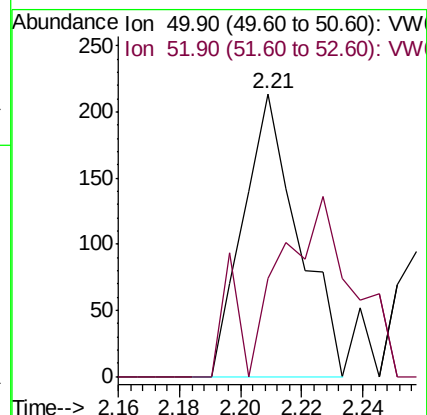
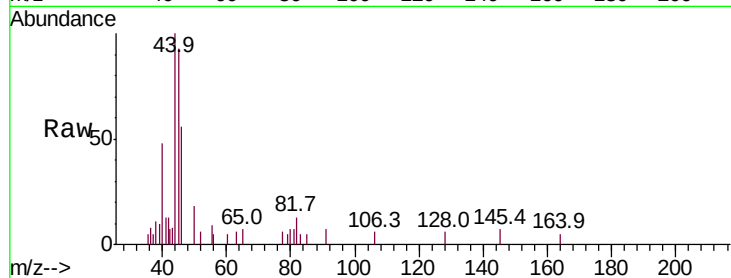
ClientSampled :

Tot Ion: 50 Resp: 265

Ion Ratio Lower Upper

50 100

52 34.6 26.6 39.8



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.12 min Scan# 527

Delta R.T. -0.04 min

Lab File: VW013000.D

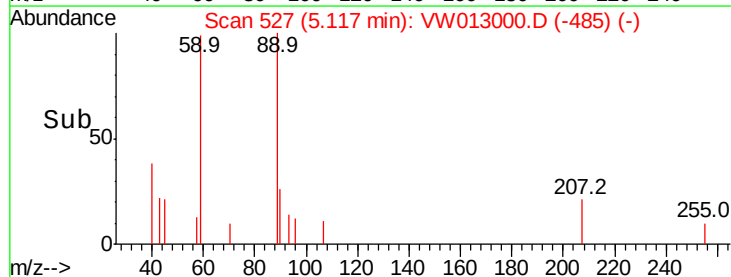
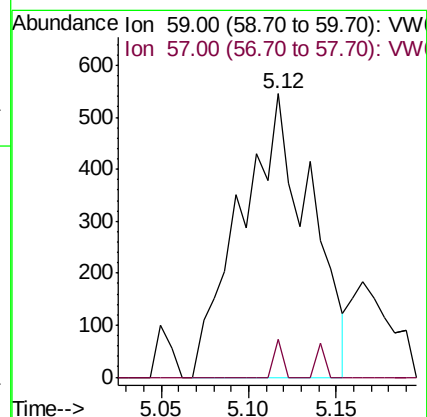
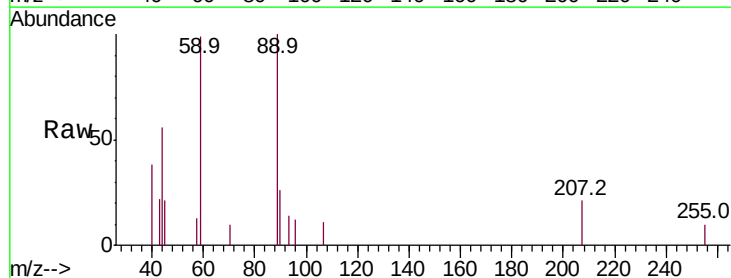
Acq: 14 Sep 2019 18:05

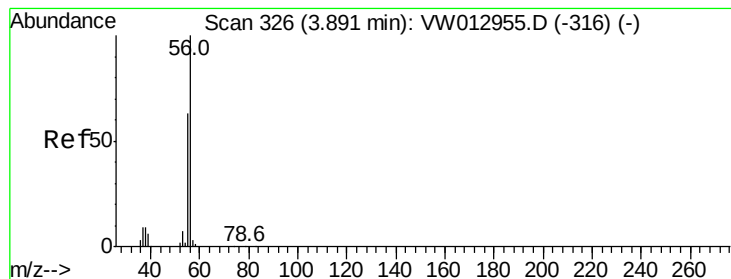
Tgt Ion: 59 Resp: 1508

Ion Ratio Lower Upper

59 100

57 1.7 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 4.01 min Scan# 345

Delta R.T. 0.12 min

Lab File: VW013000.D

Acq: 14 Sep 2019 18:05

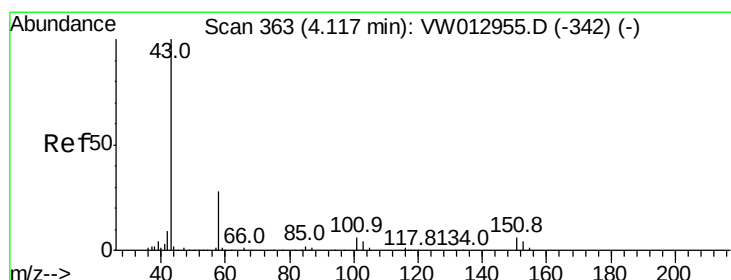
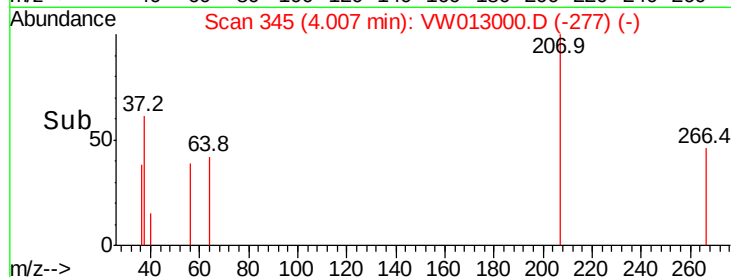
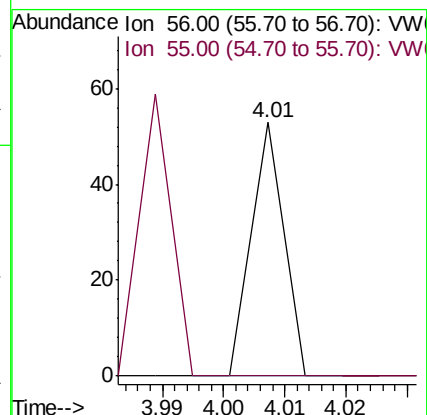
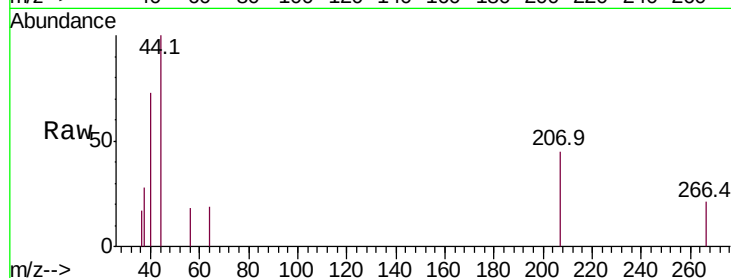
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 115.8 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 367

Delta R.T. 0.03 min

Lab File: VW013000.D

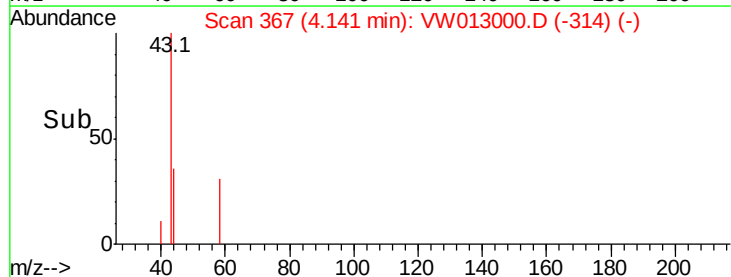
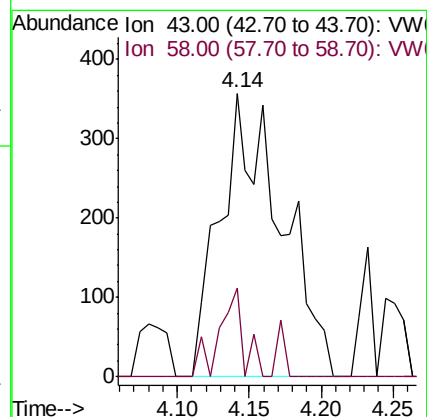
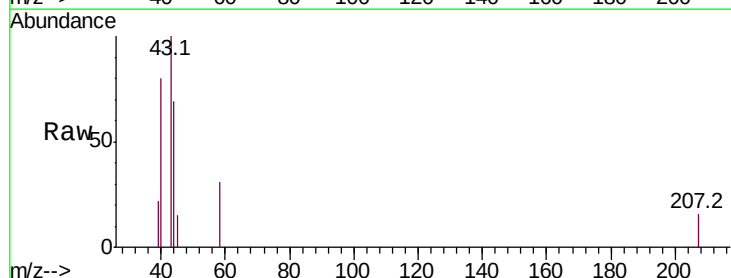
Acq: 14 Sep 2019 18:05

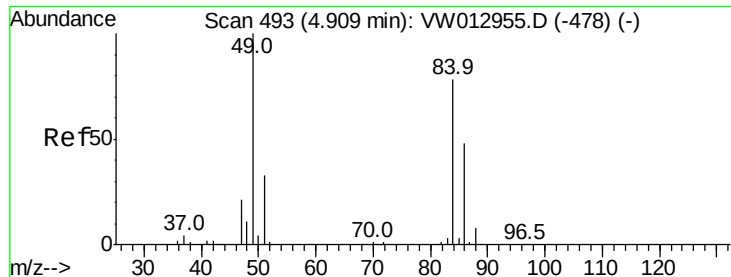
Tgt Ion: 43 Resp: 1057

Ion Ratio Lower Upper

43 100

58 31.4 22.3 33.5

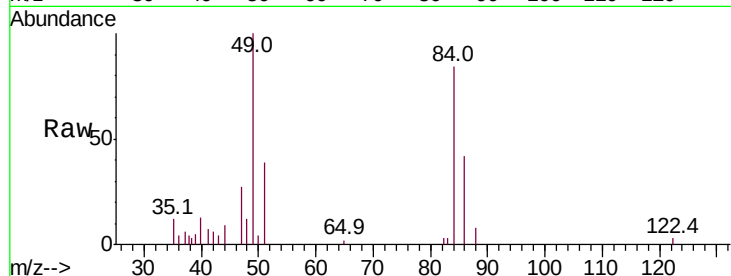




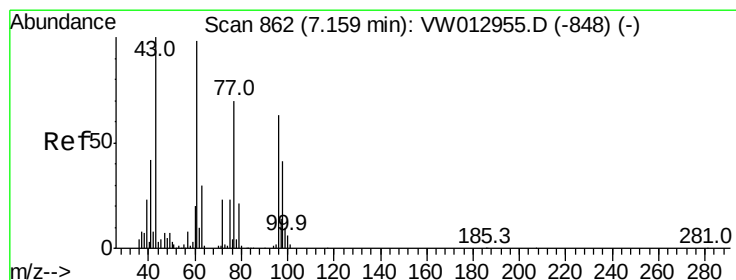
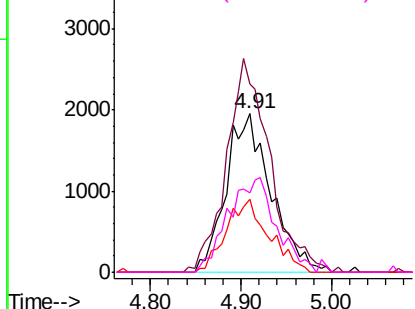
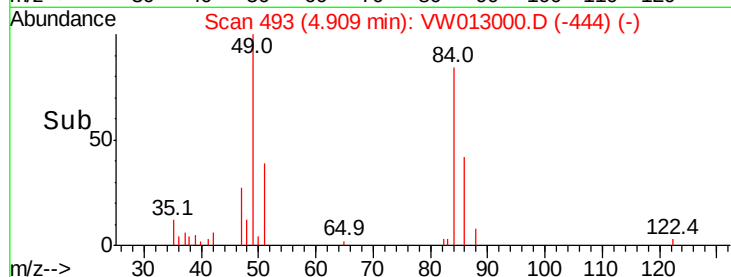
#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013000.D
Acq: 14 Sep 2019 18:05

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 6713
Ion Ratio Lower Upper
84 100
49 115.6 102.0 153.0
51 45.9 34.0 51.0
86 49.9 48.5 72.7

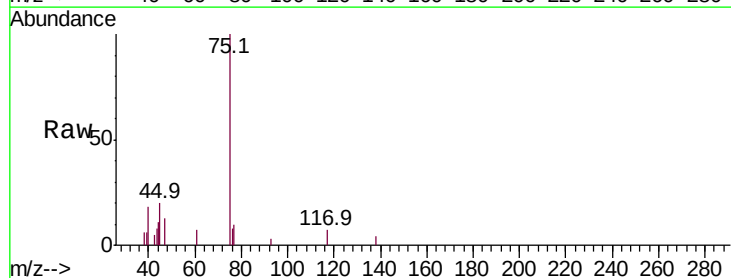


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

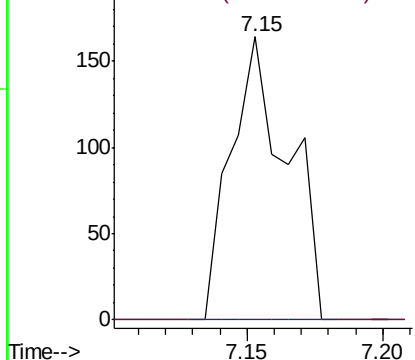
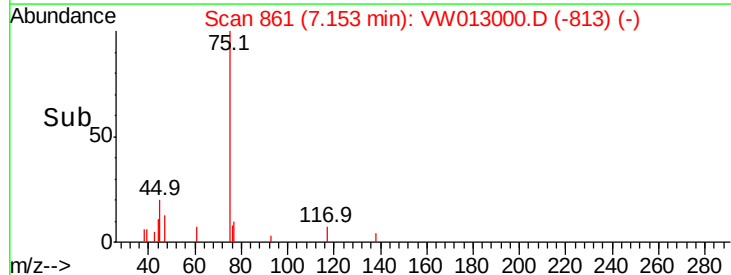


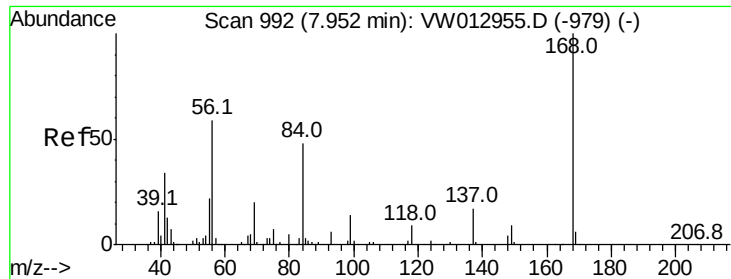
#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW013000.D
Acq: 14 Sep 2019 18:05

Tgt Ion: 77 Resp: 237
Ion Ratio Lower Upper
77 100
97 0.0 10.7 32.1#



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

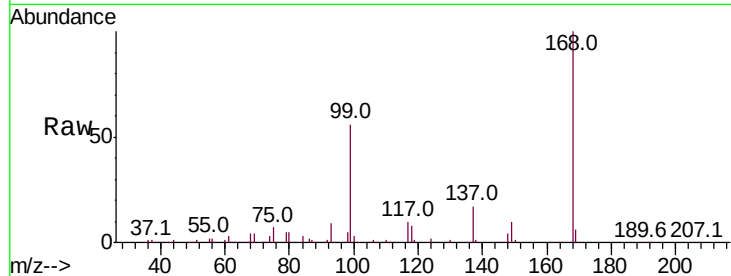




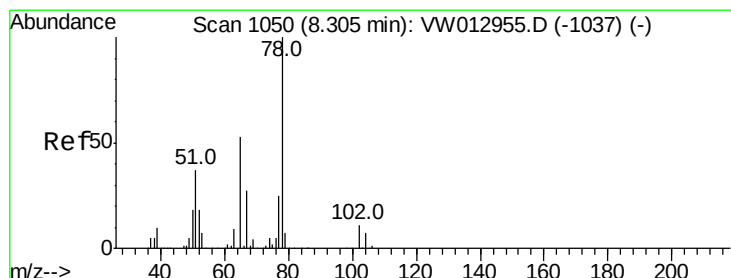
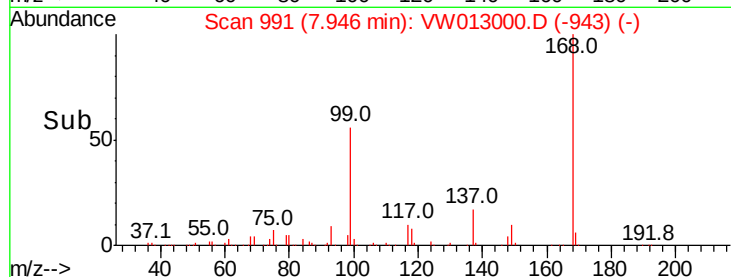
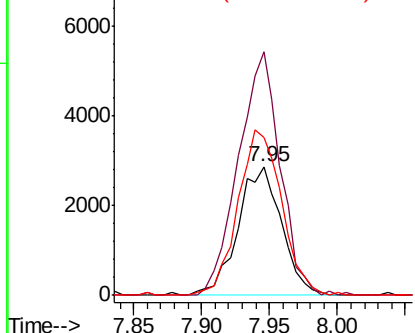
#31
Cyclohexane
Concen: Below Cal
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW013000.D
Acq: 14 Sep 2019 18:05

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 6416
Ion Ratio Lower Upper
56 100
69 189.0 27.0 40.6#
84 122.8 66.2 99.2#

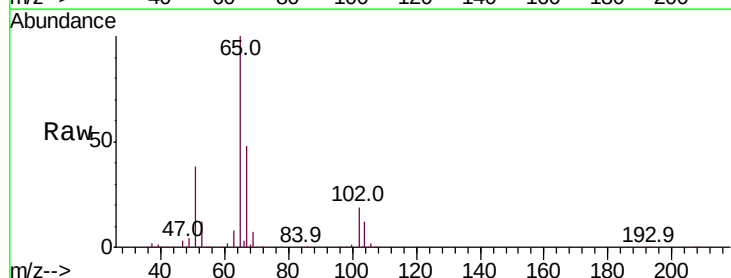


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

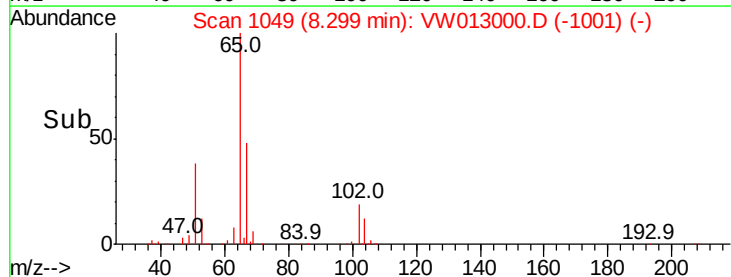
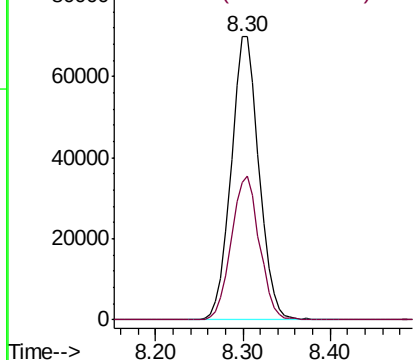


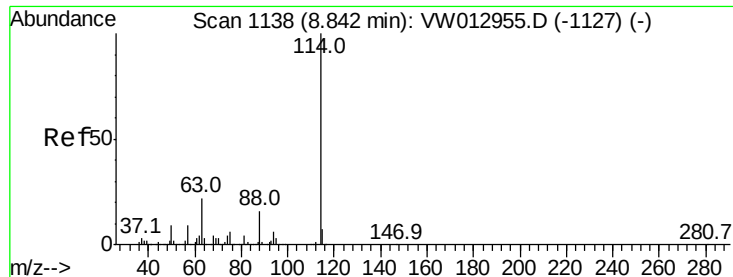
#33
1,2-Dichloroethane-d4
Concen: 55.810 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW013000.D
Acq: 14 Sep 2019 18:05

Tgt Ion: 65 Resp: 155316
Ion Ratio Lower Upper
65 100
67 51.2 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: VW013000.D

Acq: 14 Sep 2019 18:05

Instrument :

MSVOA_W

ClientSampleId :

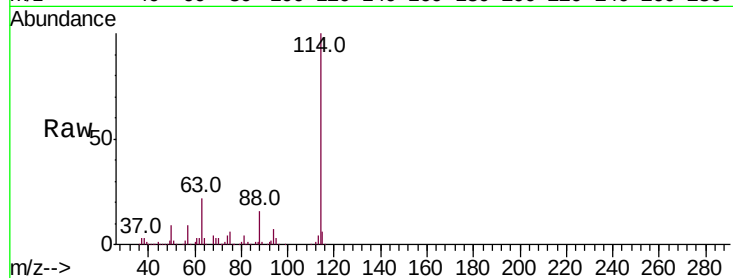
Tot Ion:114 Resp: 451276

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.4

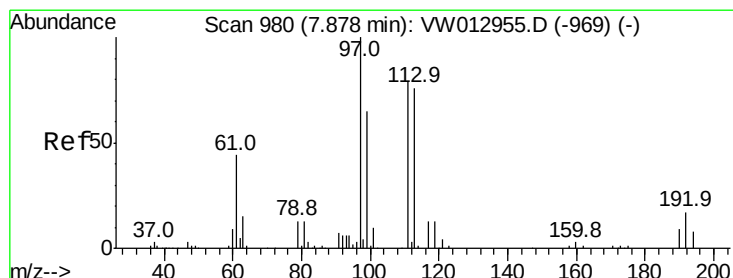
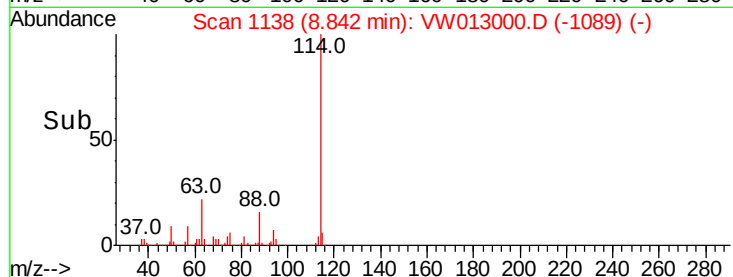
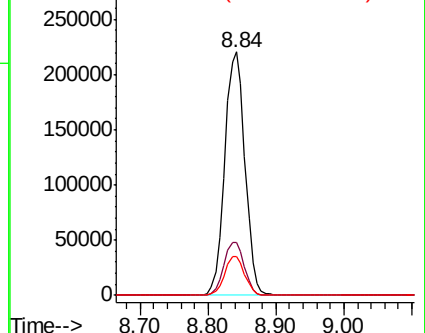
88 16.0 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 52.844 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013000.D

Acq: 14 Sep 2019 18:05

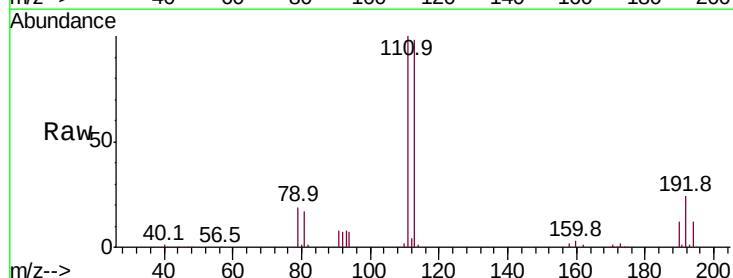
Tgt Ion:113 Resp: 129399

Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

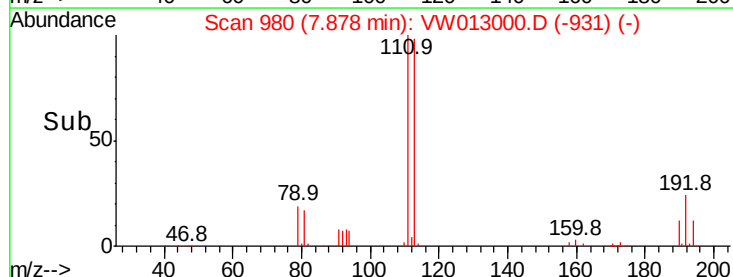
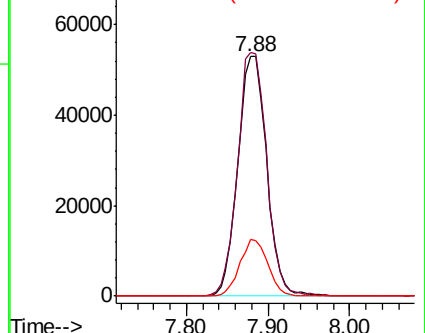
192 23.1 17.8 26.8

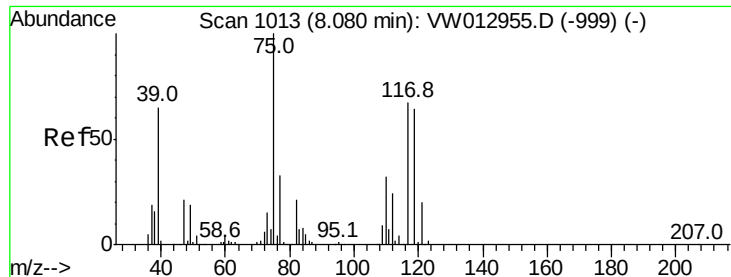


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 6.402 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013000.D

Acq: 14 Sep 2019 18:05

Instrument :

MSVOA_W

ClientSampled :

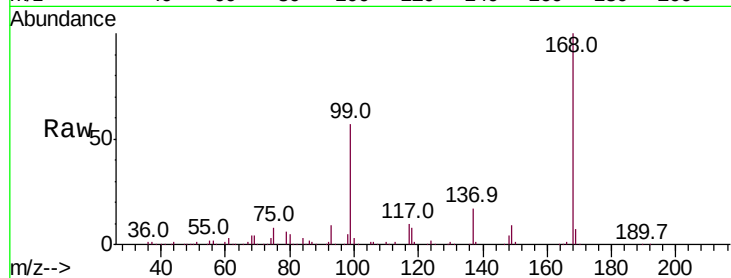
Tot Ion: 75 Resp: 23085

Ion Ratio Lower Upper

75 100

110 8.3 16.4 49.1#

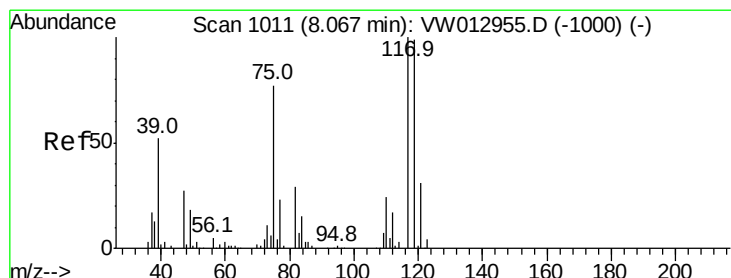
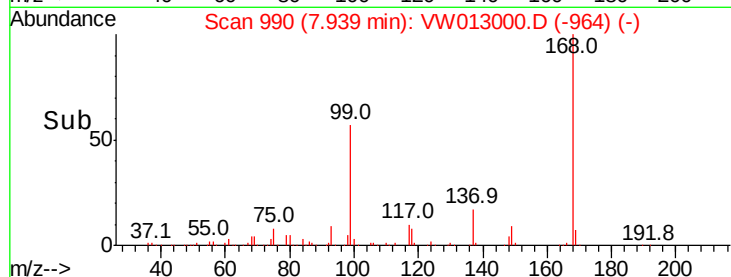
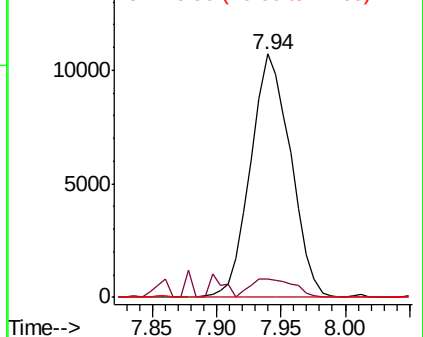
77 0.0 25.1 37.7#



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: 7.691 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013000.D

Acq: 14 Sep 2019 18:05

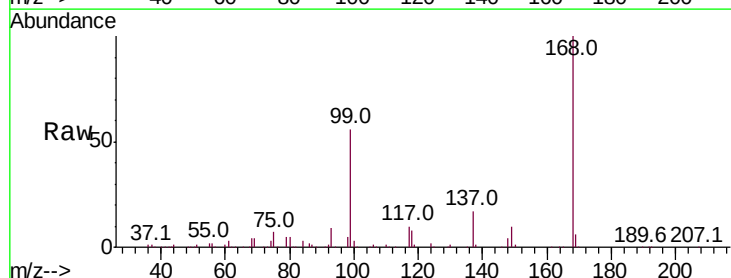
Tgt Ion: 117 Resp: 28420

Ion Ratio Lower Upper

117 100

119 6.9 79.4 119.0#

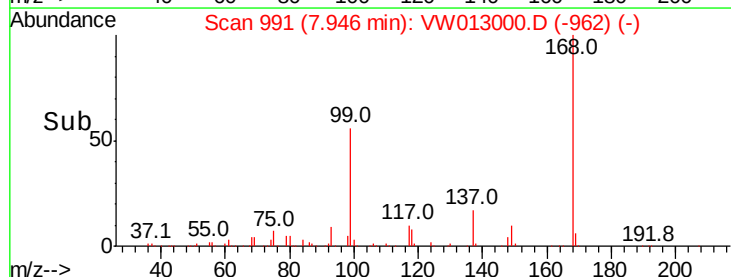
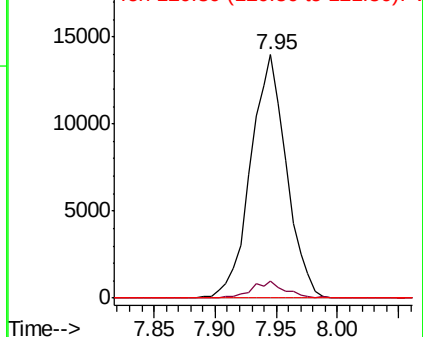
121 0.0 24.6 36.8#

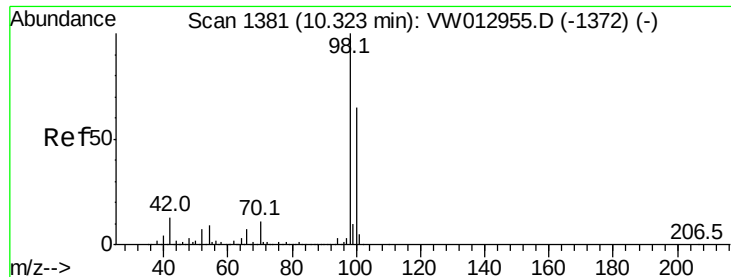


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

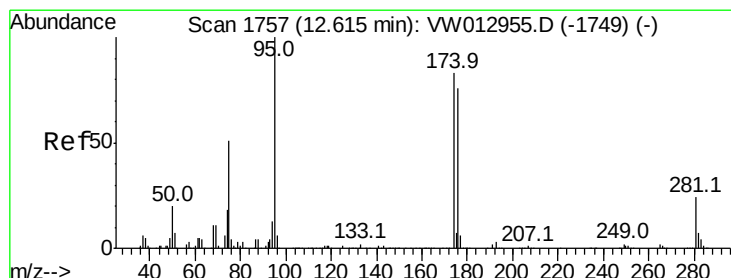
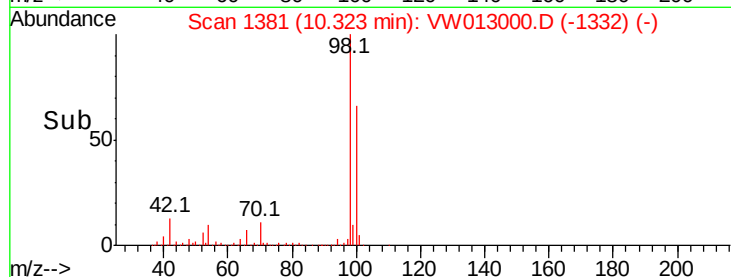
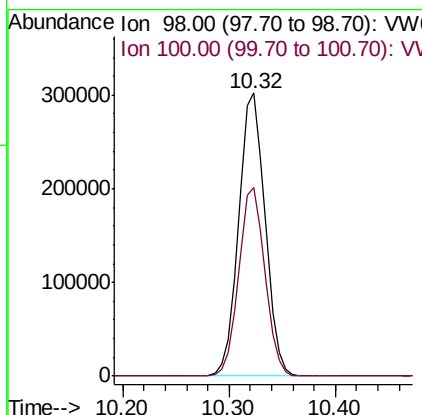
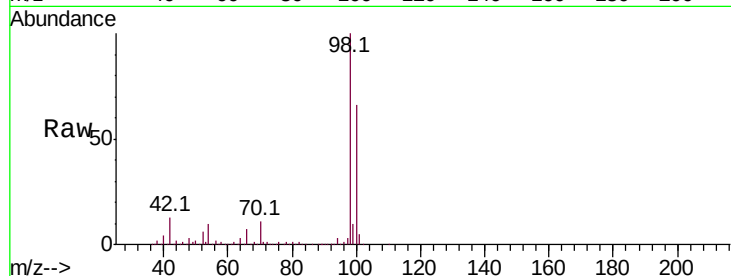




#50
Toluene-d8
Concen: 55.167 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013000.D
Acq: 14 Sep 2019 18:05

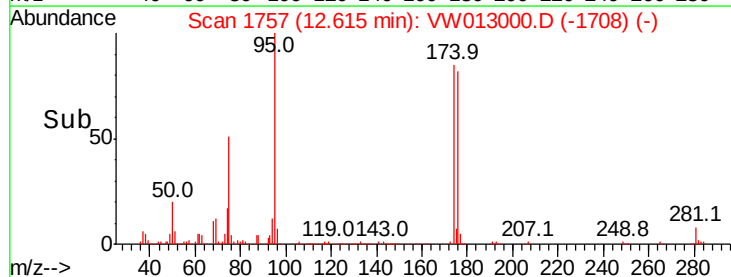
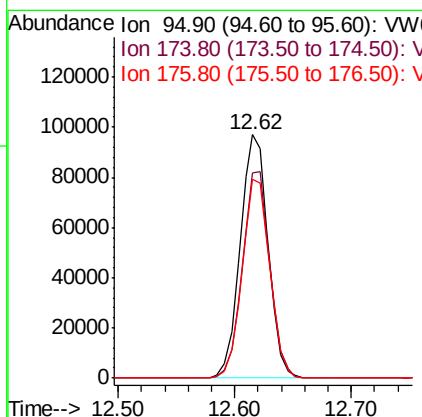
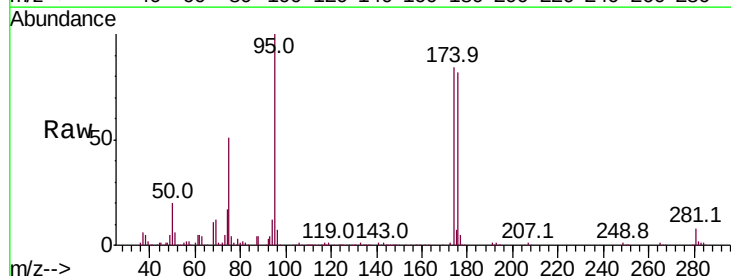
Instrument :
MSVOA_W
ClientSampleId :

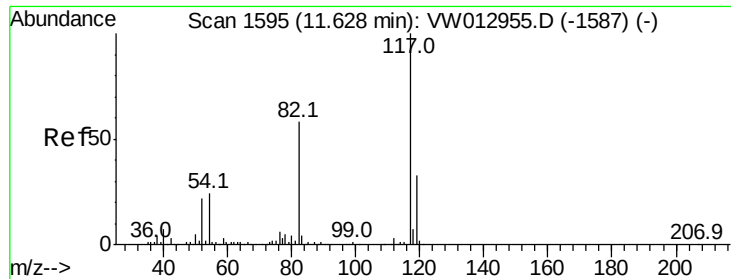
Tot Ion: 98 Resp: 528608
Ion Ratio Lower Upper
98 100
100 66.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.745 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013000.D
Acq: 14 Sep 2019 18:05

Tgt Ion: 95 Resp: 161057
Ion Ratio Lower Upper
95 100
174 84.3 0.0 170.4
176 81.4 0.0 164.6

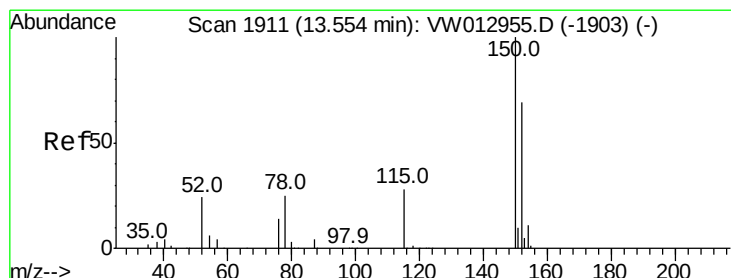
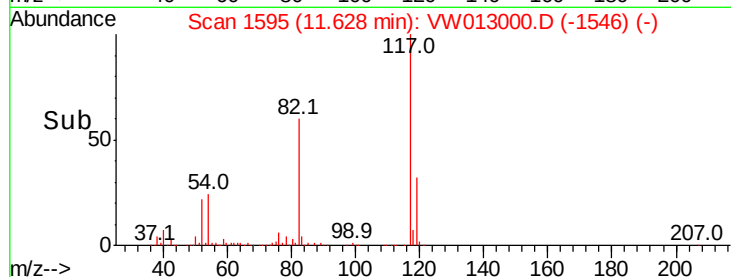
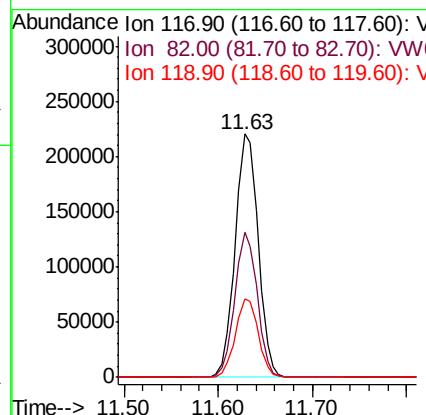
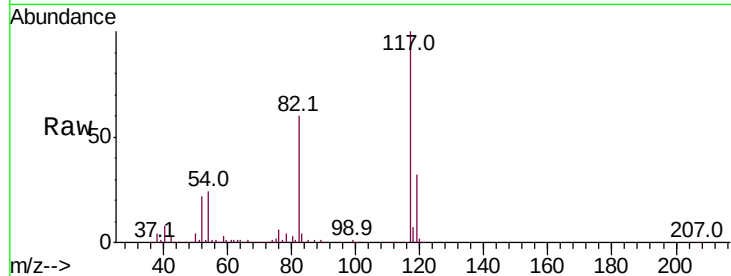




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013000.D
Acq: 14 Sep 2019 18:05

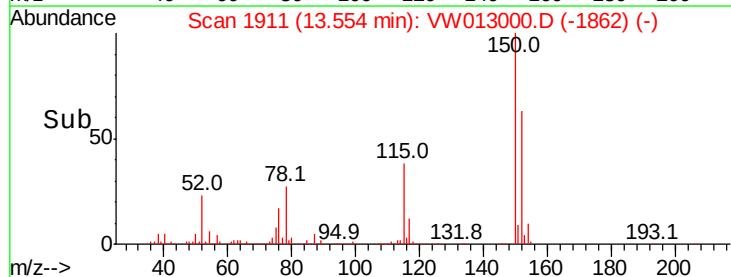
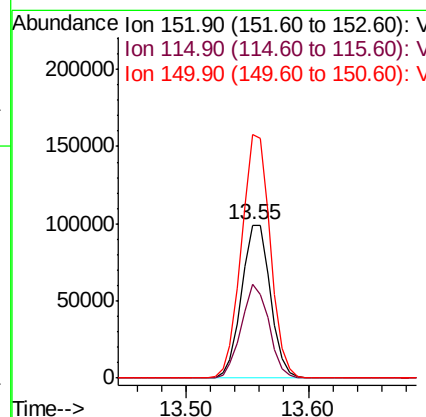
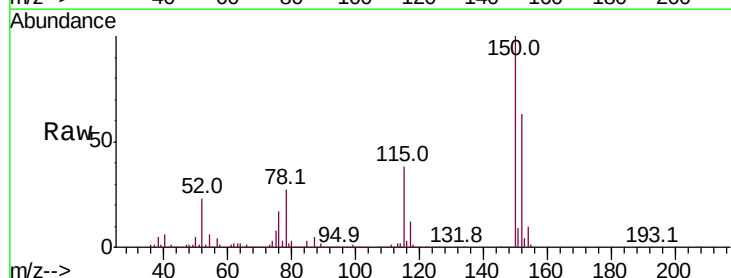
Instrument :
MSVOA_W
ClientSampled :

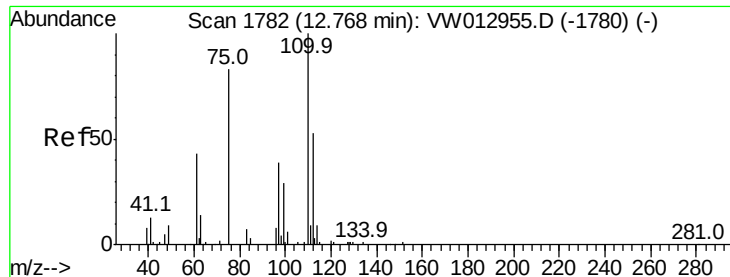
Tot Ion:117 Resp: 374403
Ion Ratio Lower Upper
117 100
82 59.7 46.3 69.5
119 32.2 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013000.D
Acq: 14 Sep 2019 18:05

Tgt Ion:152 Resp: 161548
Ion Ratio Lower Upper
152 100
115 59.0 28.8 86.4
150 158.7 0.0 340.2





#76

1,2,3-Trichloropropane

Concen: 57.936 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013000.D

Acq: 14 Sep 2019 18:05

Instrument :

MSVOA_W

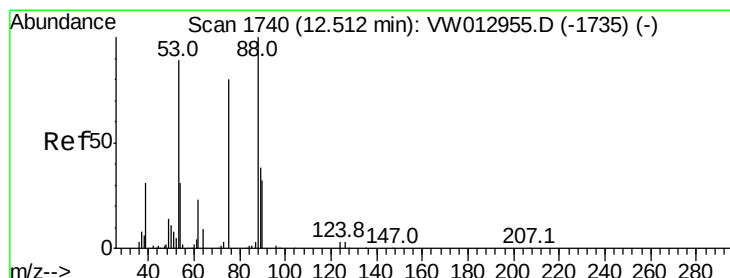
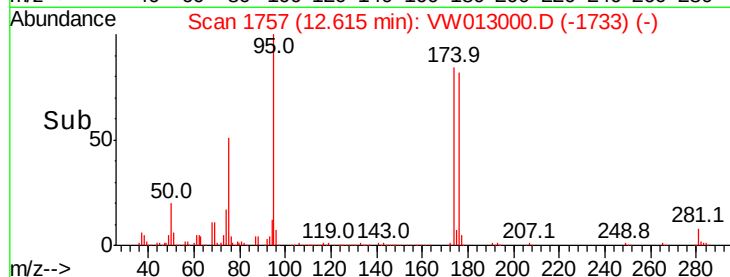
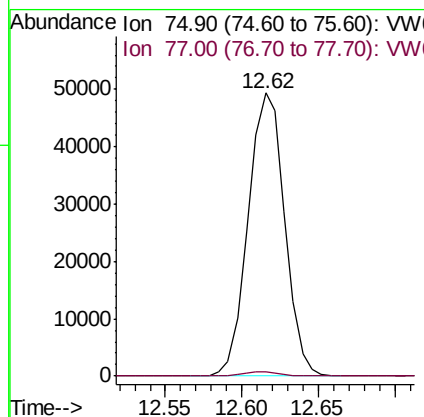
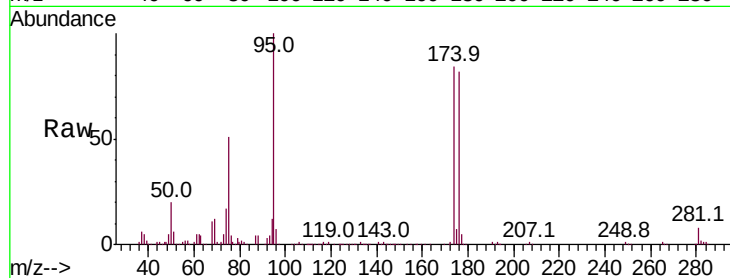
ClientSampleId :

Tot Ion: 75 Resp: 81981

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.426 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013000.D

Acq: 14 Sep 2019 18:05

Tgt Ion: 75 Resp: 81981

Ion Ratio Lower Upper

75 100

53 0.2 85.6 128.4#

89 0.1 37.2 55.8#

