

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\
 Data File : VW013041.D
 Acq On : 16 Sep 2019 15:07
 Operator : SY/VA
 Sample : K4857-05RE
 Misc : 5.09G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 15:43:06 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	249994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	379174	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	311847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	129191	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	142065	61.53	ug/l	0.00
Spiked Amount			Recovery	=	123.06%	
35) Dibromofluoromethane	7.88	113	112455	54.66	ug/l	0.00
Spiked Amount			Recovery	=	109.32%	
50) Toluene-d8	10.32	98	445220	55.30	ug/l	0.00
Spiked Amount			Recovery	=	110.60%	
62) 4-Bromofluorobenzene	12.62	95	181097	62.56	ug/l	0.00
Spiked Amount			Recovery	=	125.12%	

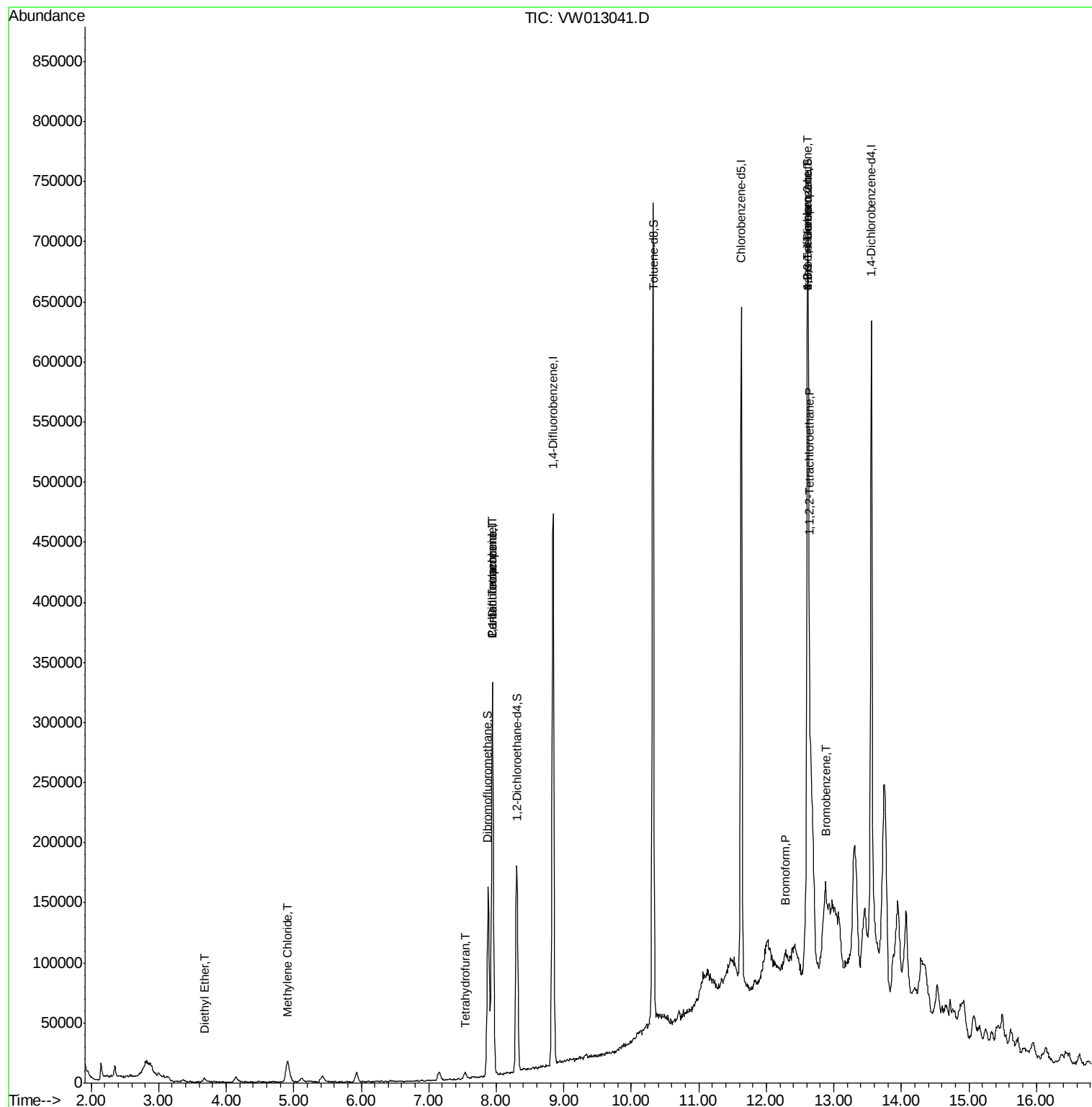
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.03	85	28	Below Cal	#	44
3) Chloromethane	2.20	50	241	Below Cal		97
8) Diethyl Ether	3.67	74	1480	1.515	ug/l	56
11) Tert butyl alcohol	5.18	59	120	Below Cal	#	72
13) Acrolein	4.04	56	20	Below Cal	#	1
16) Acetone	4.15	43	9044	Below Cal		98
20) Methylene Chloride	4.91	84	14499	2.886	ug/l	89
26) 2,2-Dichloropropane	7.16	77	377	Below Cal		88
29) Tetrahydrofuran	7.54	42	4769	11.400	ug/l #	84
31) Cyclohexane	7.95	56	5660	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	18272	6.031	ug/l #	53
38) Carbon Tetrachloride	7.95	117	24556	7.909	ug/l #	15
71) Bromoform	12.28	173	7276	6.507	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.64	83	72778	48.389	ug/l #	28
76) 1,2,3-Trichloropropane	12.62	75	71366	63.066	ug/l #	100
77) Bromobenzene	12.87	156	87243	44.225	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	71366	143.064	ug/l #	7

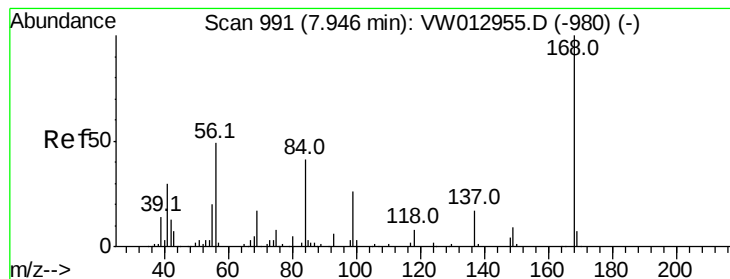
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091619\
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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: VW013041.D

Acq: 16 Sep 2019 15:07

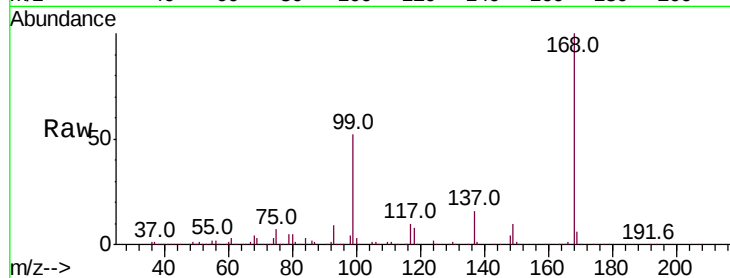
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 249994

Ion Ratio Lower Upper

168 100

99 52.4 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

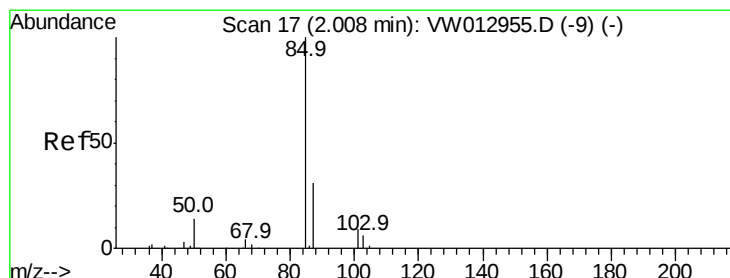
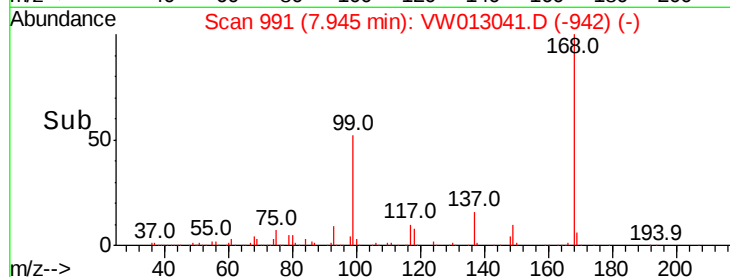
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.03 min Scan# 20

Delta R.T. 0.02 min

Lab File: VW013041.D

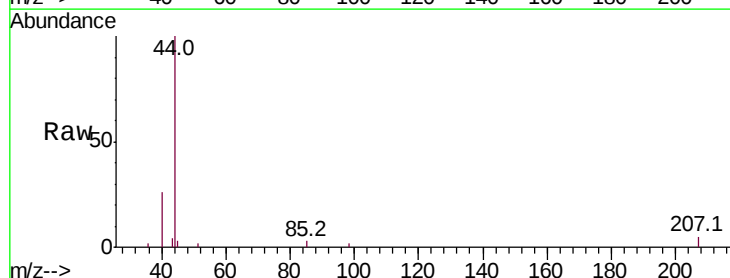
Acq: 16 Sep 2019 15:07

Tgt Ion: 85 Resp: 28

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

2.03

80

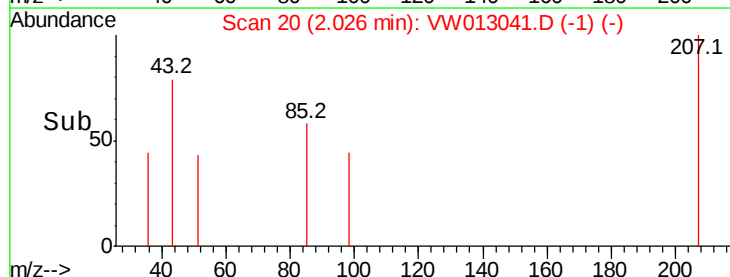
60

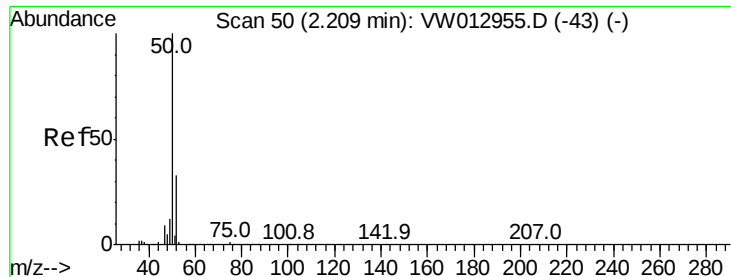
40

20

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013041.D

Acq: 16 Sep 2019 15:07

Instrument :

MSVOA_W

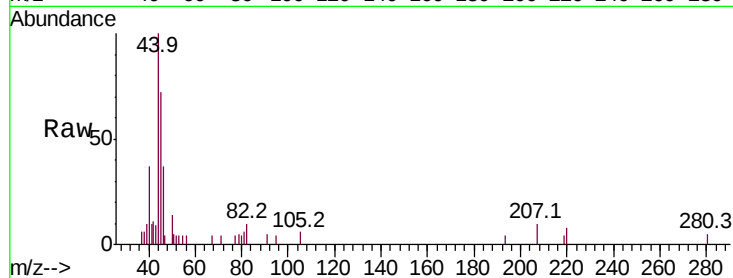
ClientSampled :

Tot Ion: 50 Resp: 241

Ion Ratio Lower Upper

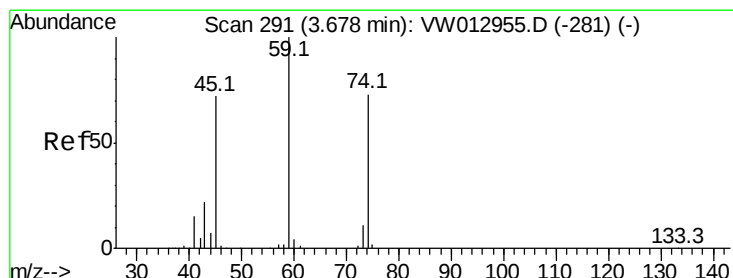
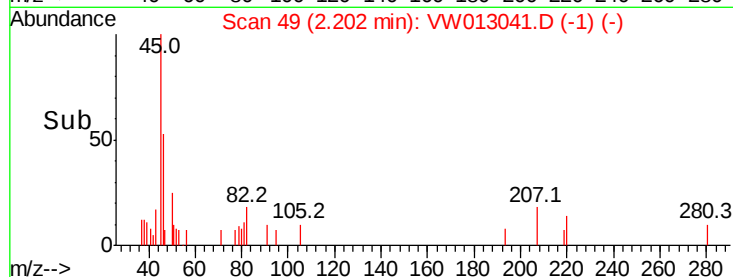
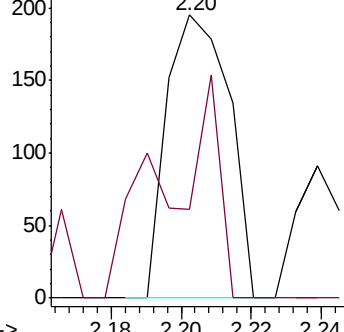
50 100

52 31.3 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#8

Diethyl Ether

Concen: 1.515 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW013041.D

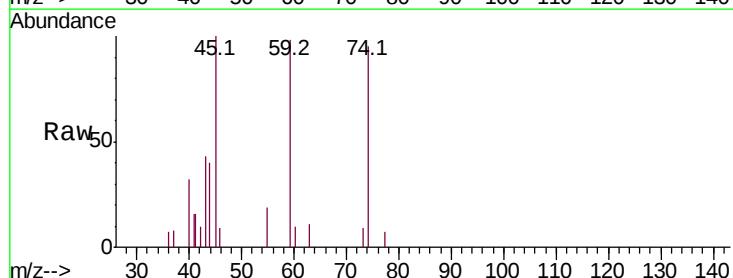
Acq: 16 Sep 2019 15:07

Tgt Ion: 74 Resp: 1480

Ion Ratio Lower Upper

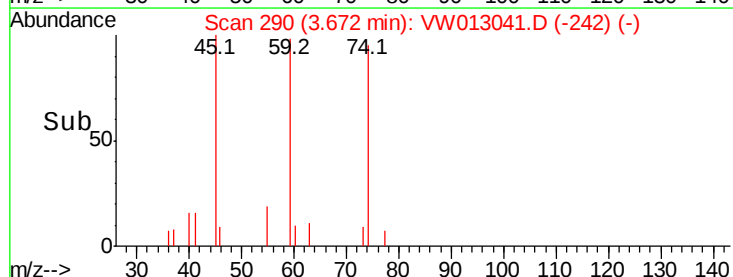
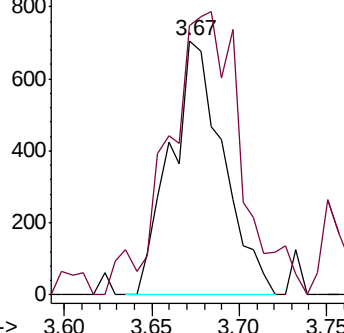
74 100

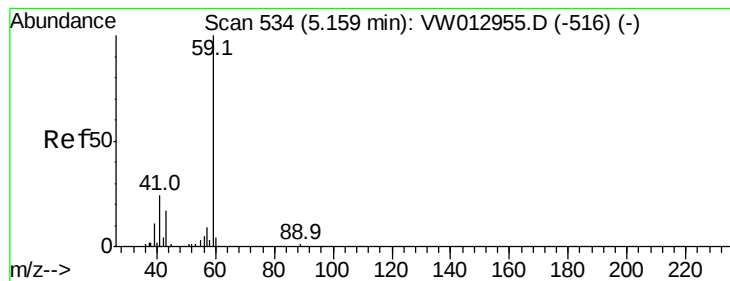
45 153.1 53.8 161.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



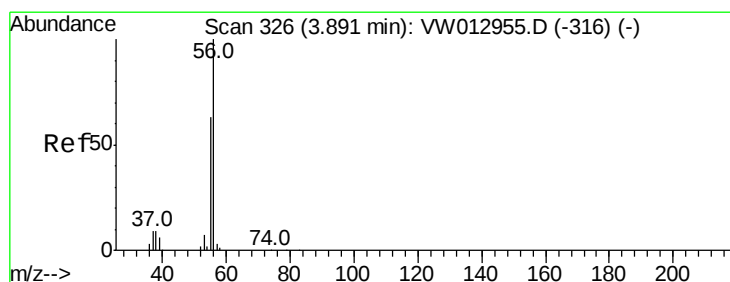
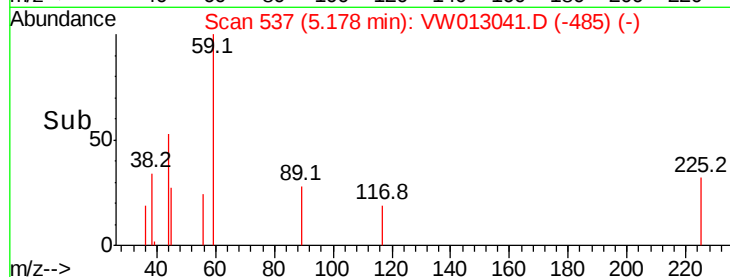
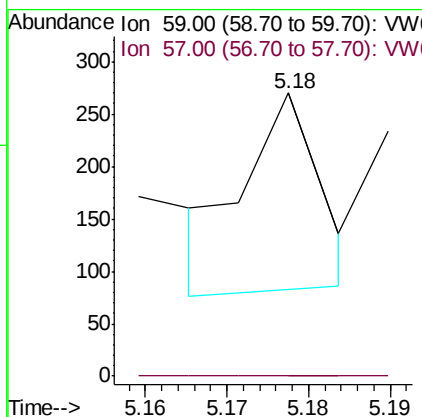
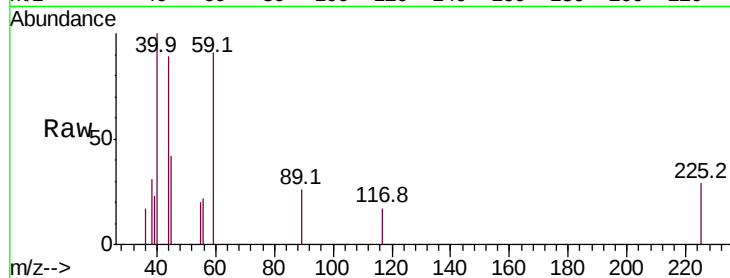


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.18 min Scan# 537
Delta R.T. 0.02 min
Lab File: VW013041.D
Acq: 16 Sep 2019 15:07

Instrument :
MSVOA_W
ClientSampled :

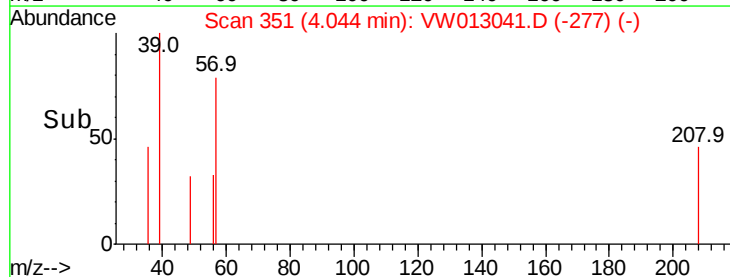
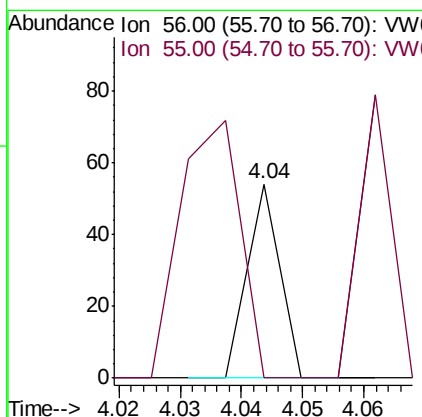
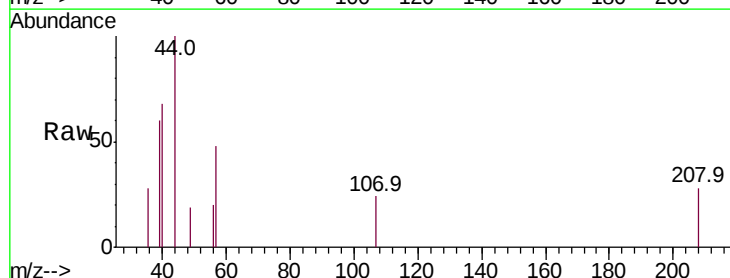
Tot Ion: 59 Resp: 120
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

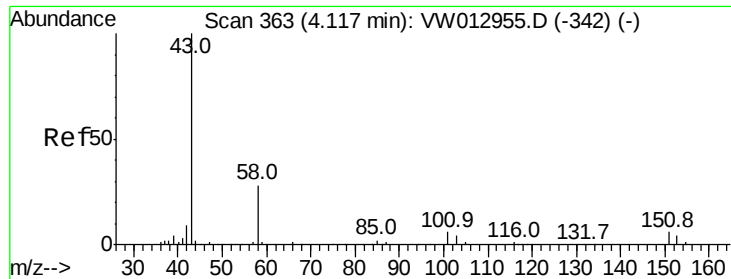


#13

Acrolein
Concen: Below Cal
RT: 4.04 min Scan# 351
Delta R.T. 0.15 min
Lab File: VW013041.D
Acq: 16 Sep 2019 15:07

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 245.0 55.8 83.8#

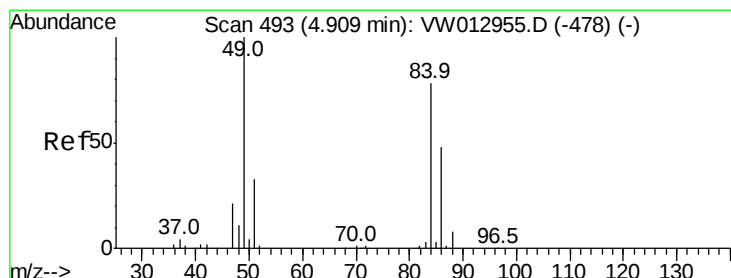
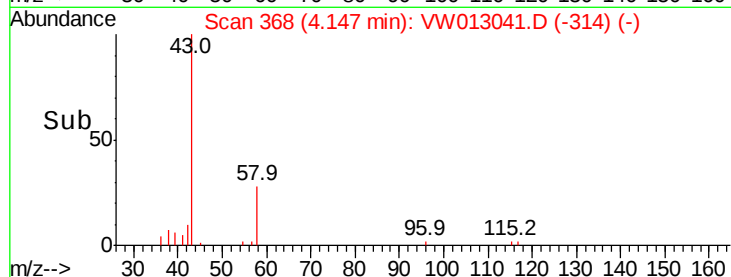
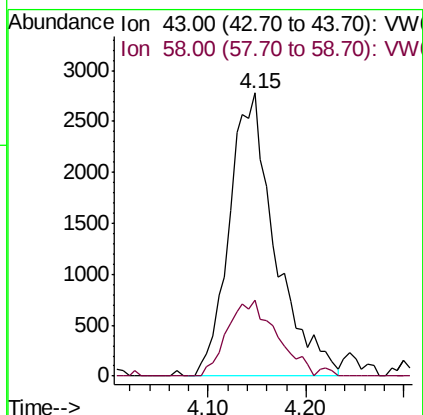
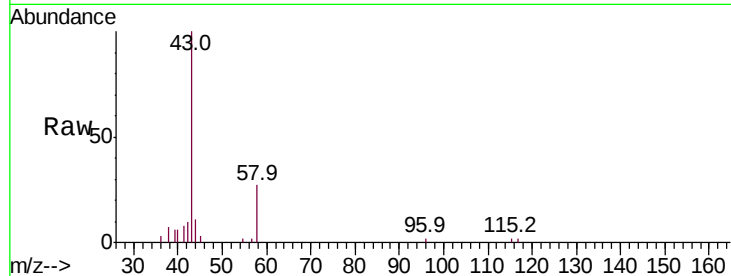




#16
Acetone
Concen: Below Cal
RT: 4.15 min Scan# 368
Delta R.T. 0.03 min
Lab File: VW013041.D
Acq: 16 Sep 2019 15:07

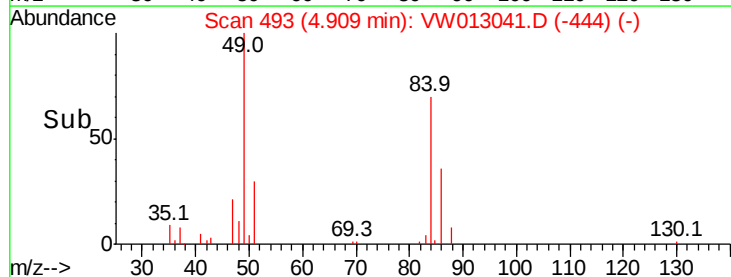
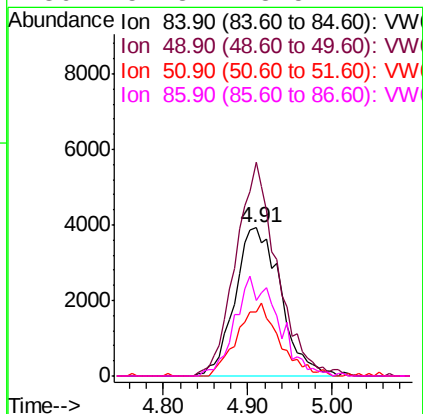
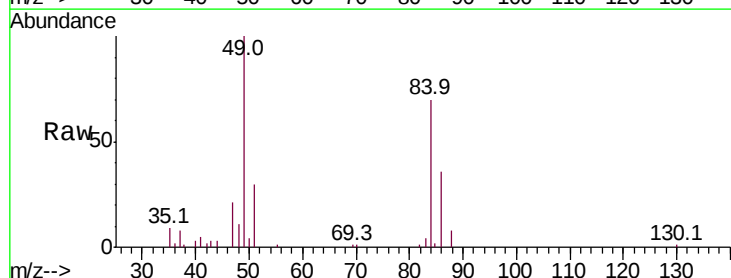
Instrument :
MSVOA_W
ClientSampleId :

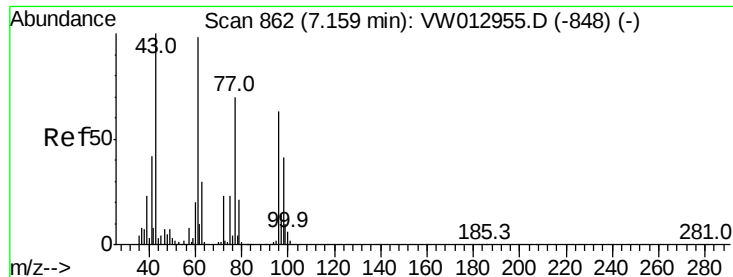
Tot Ion: 43 Resp: 9044
Ion Ratio Lower Upper
43 100
58 27.0 22.3 33.5



#20
Methylene Chloride
Concen: 2.886 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013041.D
Acq: 16 Sep 2019 15:07

Tgt Ion: 84 Resp: 14499
Ion Ratio Lower Upper
84 100
49 143.9 102.0 153.0
51 42.8 34.0 51.0
86 51.3 48.5 72.7

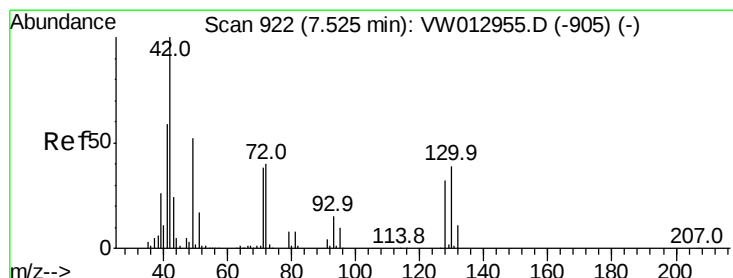
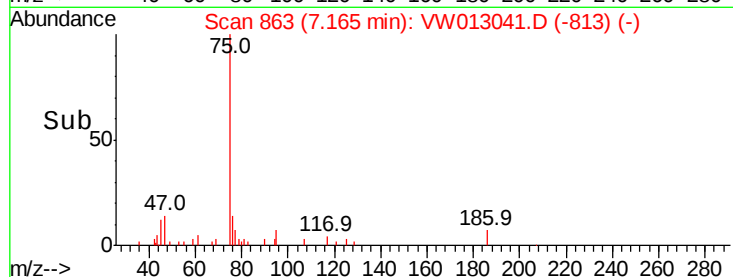
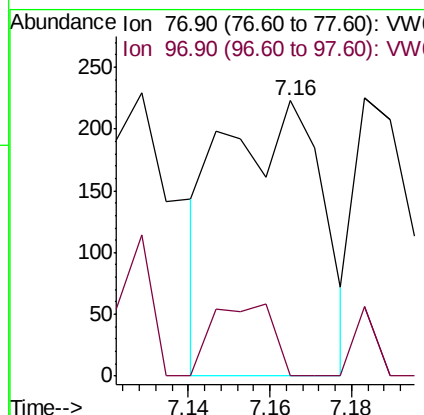
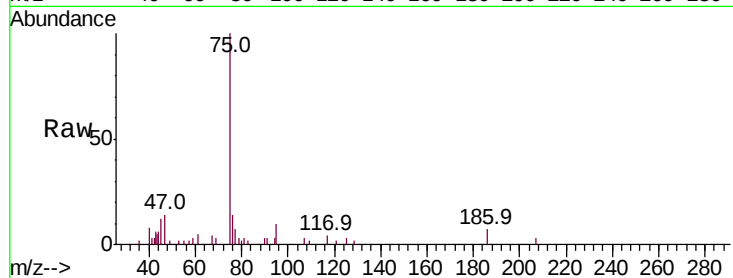




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.16 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW013041.D
Acq: 16 Sep 2019 15:07

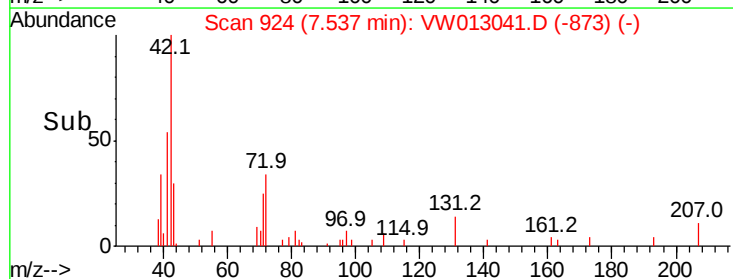
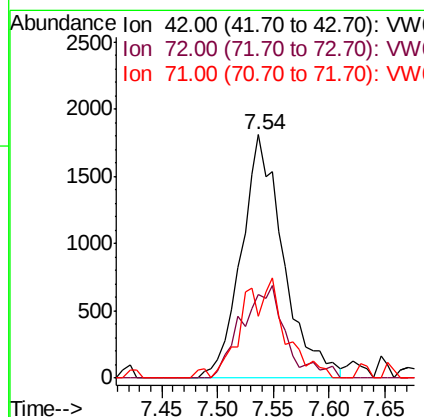
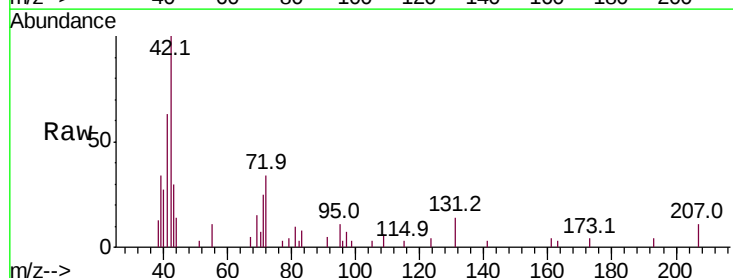
Instrument :
MSVOA_W
ClientSampled :

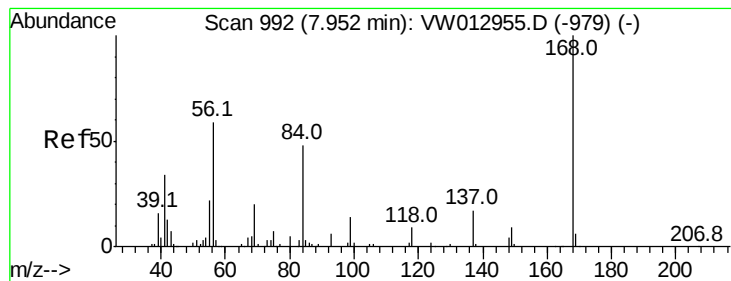
Tot Ion: 77 Resp: 377
Ion Ratio Lower Upper
77 100
97 15.9 10.7 32.1



#29
Tetrahydrofuran
Concen: 11.400 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW013041.D
Acq: 16 Sep 2019 15:07

Tgt Ion: 42 Resp: 4769
Ion Ratio Lower Upper
42 100
72 40.1 31.4 47.0
71 18.8 29.8 44.8#





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

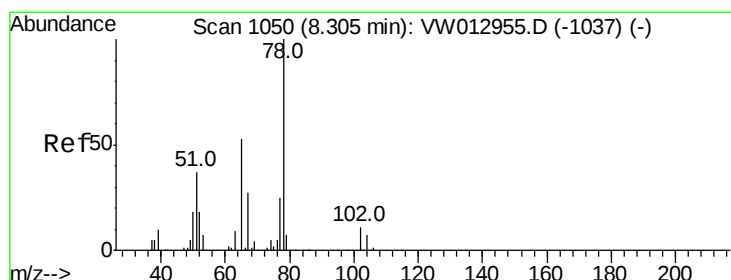
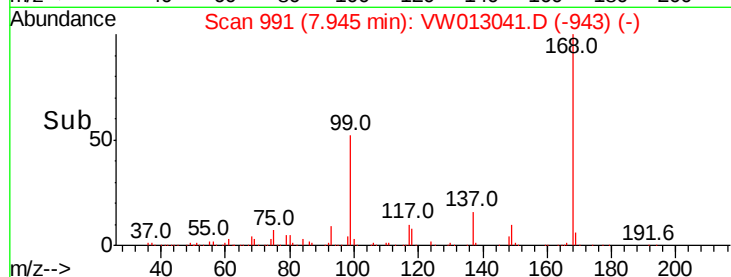
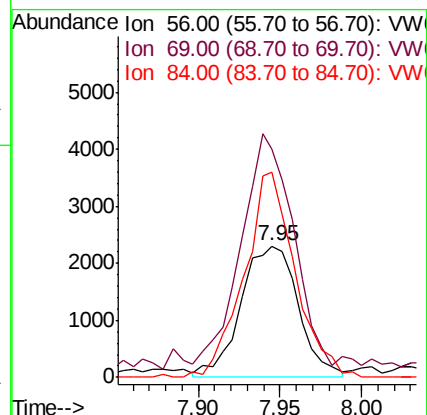
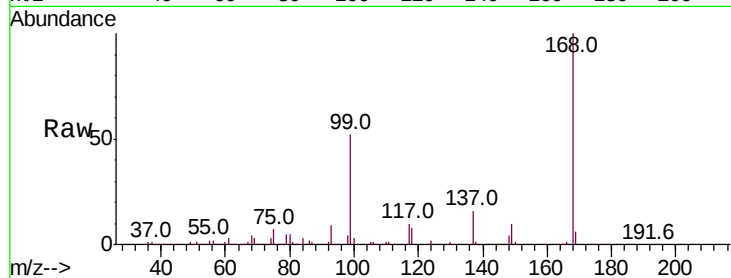
Lab File: VW013041.D

Acq: 16 Sep 2019 15:07

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5660

Ion	Ratio	Lower	Upper
56	100		
69	170.2	27.0	40.6#
84	158.8	66.2	99.2#



#33

1,2-Dichloroethane-d4

Concen: 61.530 ug/l

RT: 8.31 min Scan# 1050

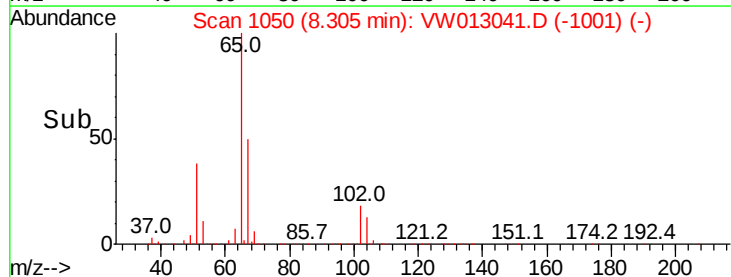
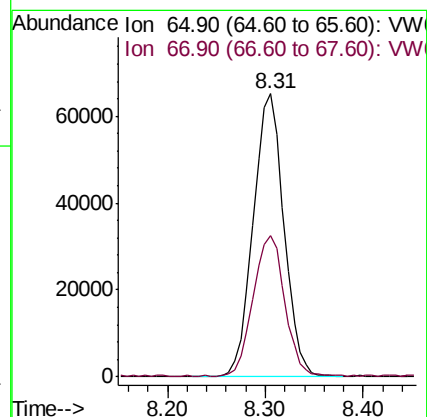
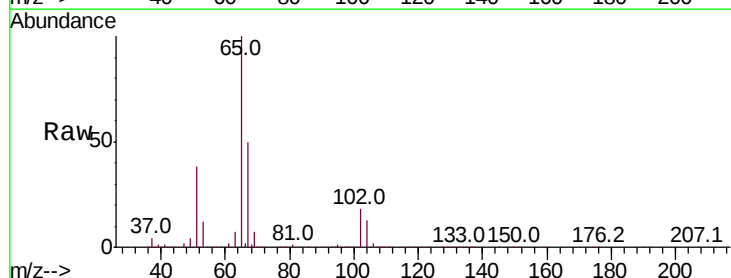
Delta R.T. -0.00 min

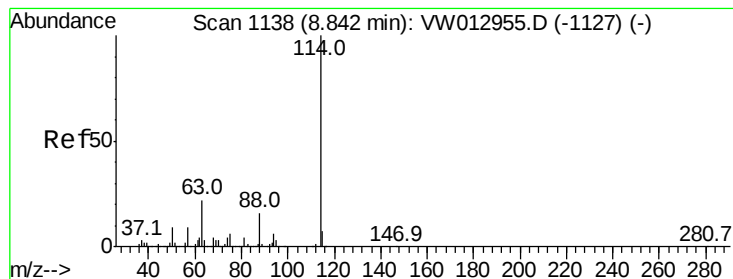
Lab File: VW013041.D

Acq: 16 Sep 2019 15:07

Tgt Ion: 65 Resp: 142065

Ion	Ratio	Lower	Upper
65	100		
67	51.0	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: VW013041.D

Acq: 16 Sep 2019 15:07

Instrument :

MSVOA_W

ClientSampled :

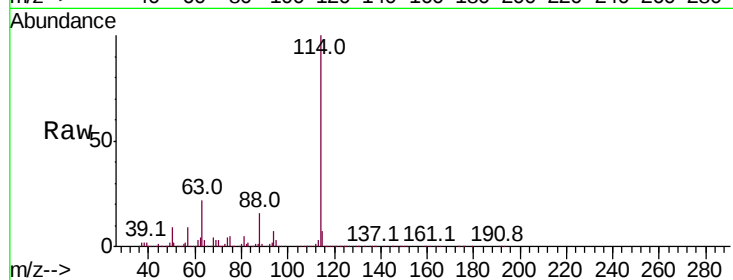
Tot Ion:114 Resp: 379174

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.4

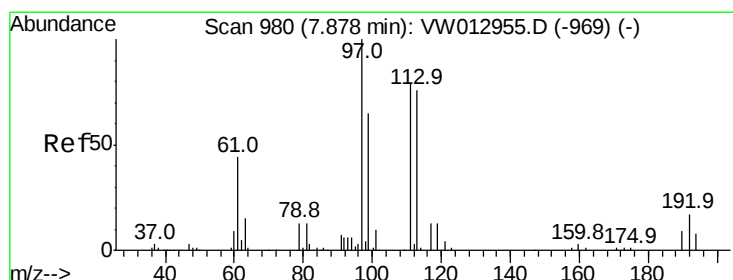
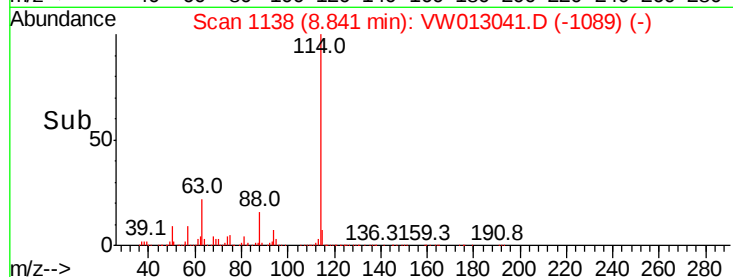
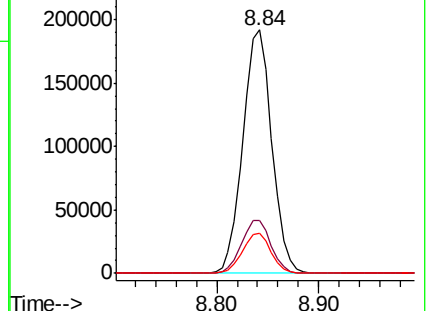
88 16.2 0.0 31.6



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: 54.658 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013041.D

Acq: 16 Sep 2019 15:07

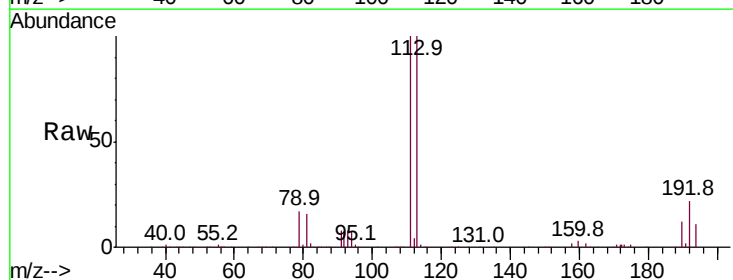
Tgt Ion:113 Resp: 112455

Ion Ratio Lower Upper

113 100

111 102.8 82.8 124.2

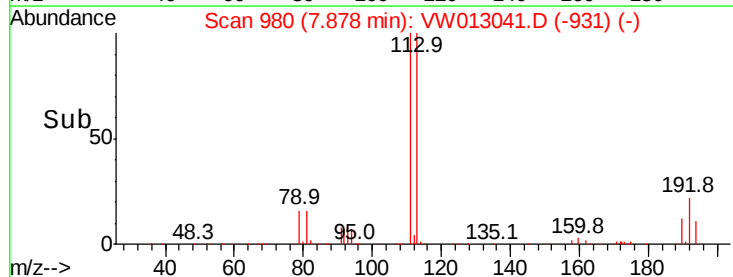
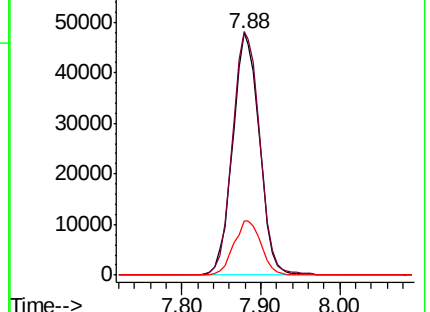
192 22.8 17.8 26.8

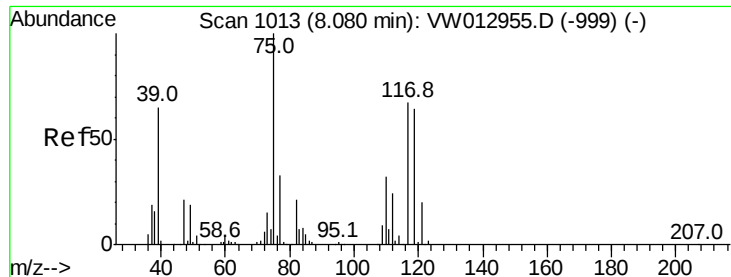


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 6.031 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013041.D

Acq: 16 Sep 2019 15:07

Instrument :
MSVOA_W
ClientSampled :

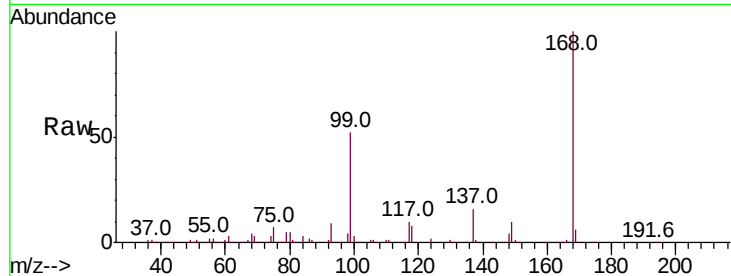
Tot Ion: 75 Resp: 18272

Ion Ratio Lower Upper

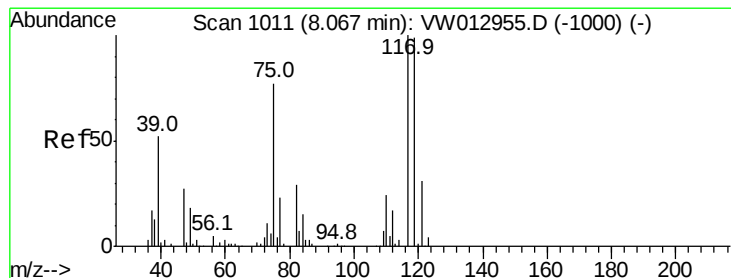
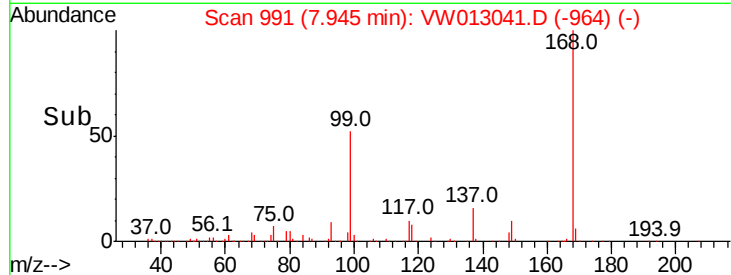
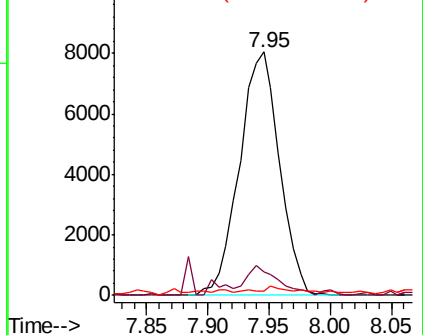
75 100

110 9.6 16.4 49.1#

77 1.6 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: 7.909 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013041.D

Acq: 16 Sep 2019 15:07

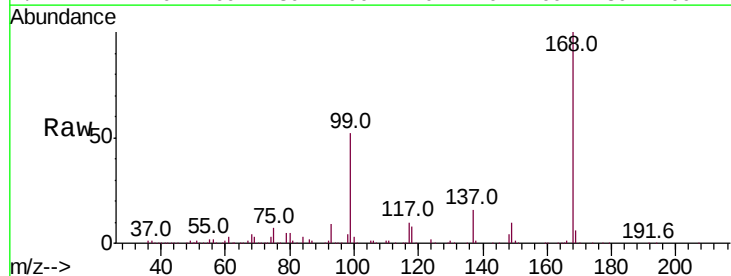
Tgt Ion: 117 Resp: 24556

Ion Ratio Lower Upper

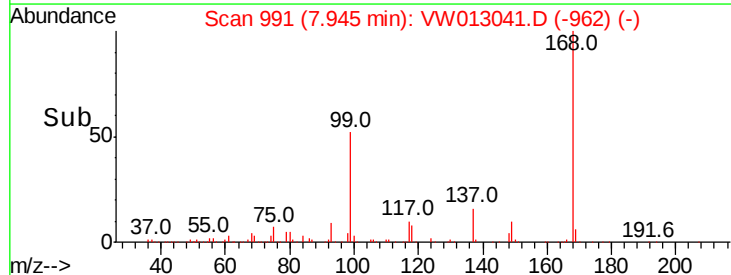
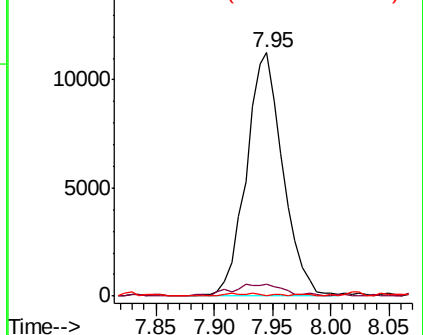
117 100

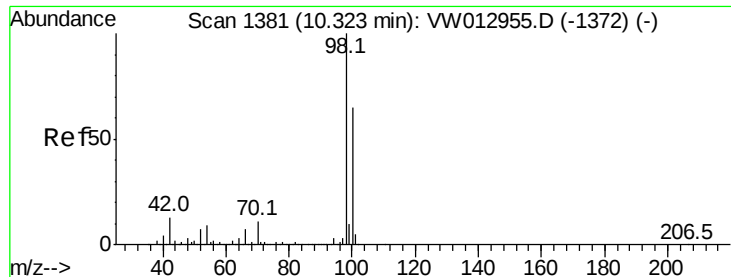
119 5.0 79.4 119.0#

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

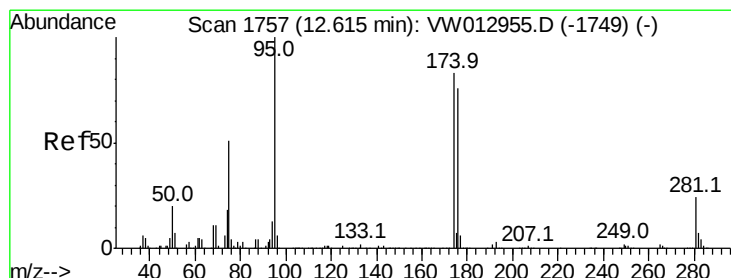
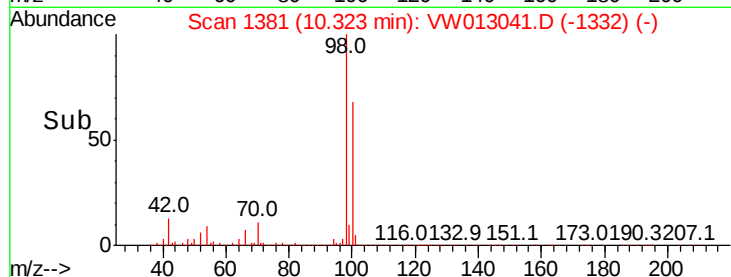
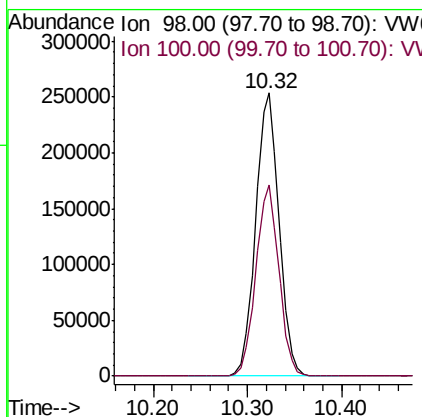
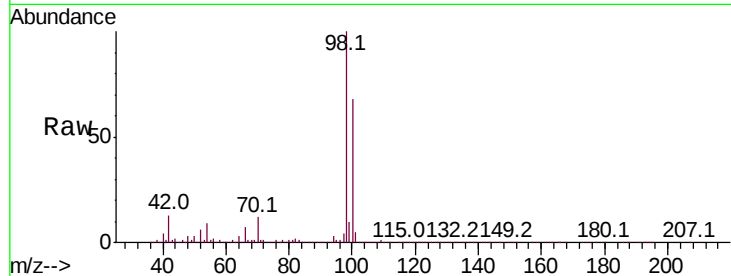




#50
Toluene-d8
Concen: 55.300 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013041.D
Acq: 16 Sep 2019 15:07

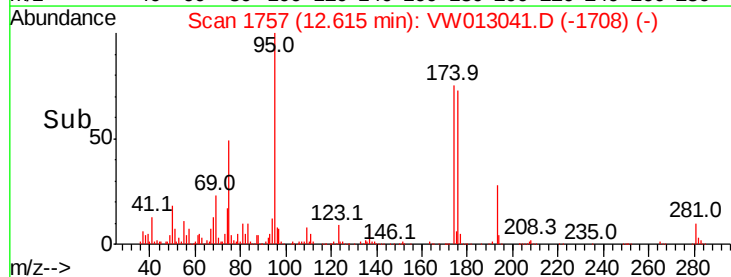
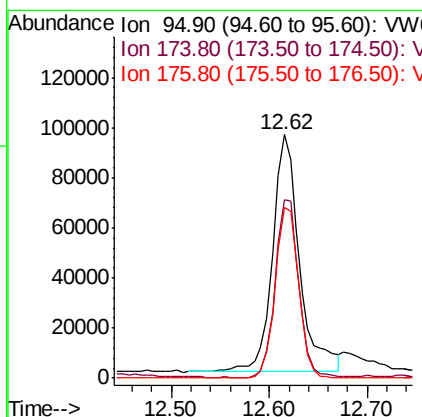
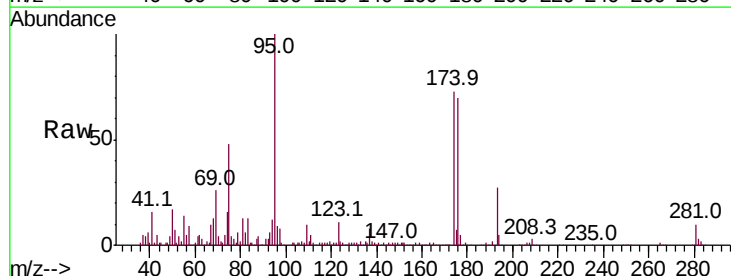
Instrument :
MSVOA_W
ClientSampleId :

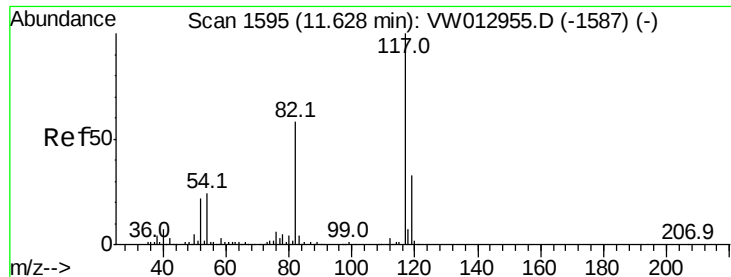
Tot Ion: 98 Resp: 445220
Ion Ratio Lower Upper
98 100
100 66.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 62.556 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013041.D
Acq: 16 Sep 2019 15:07

Tgt Ion: 95 Resp: 181097
Ion Ratio Lower Upper
95 100
174 65.9 0.0 170.4
176 63.1 0.0 164.6

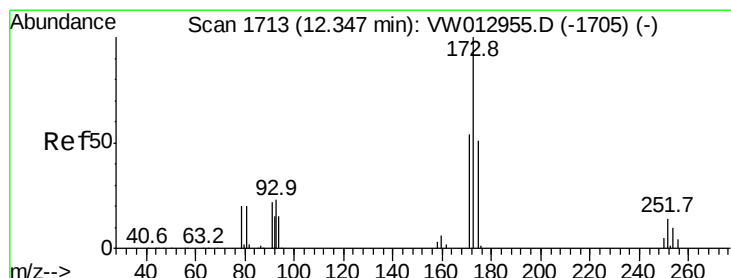
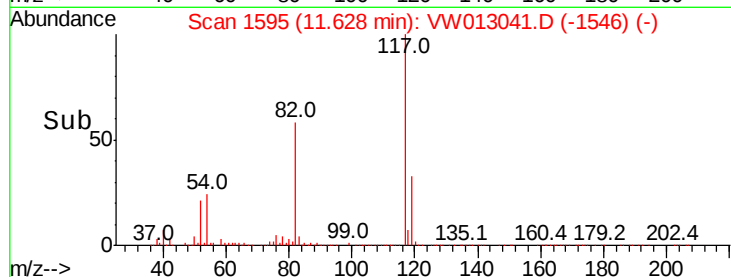
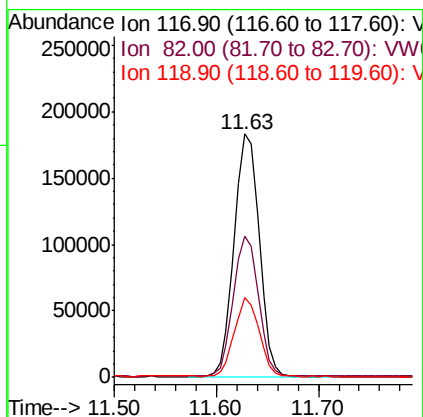
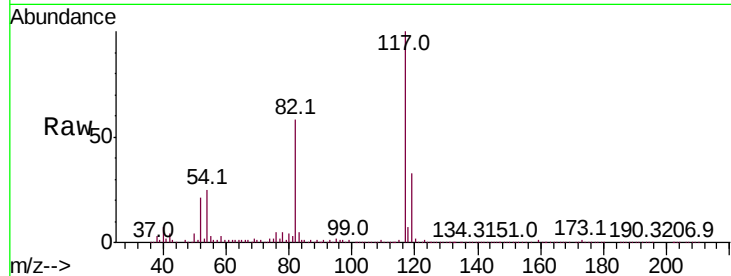




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013041.D
Acq: 16 Sep 2019 15:07

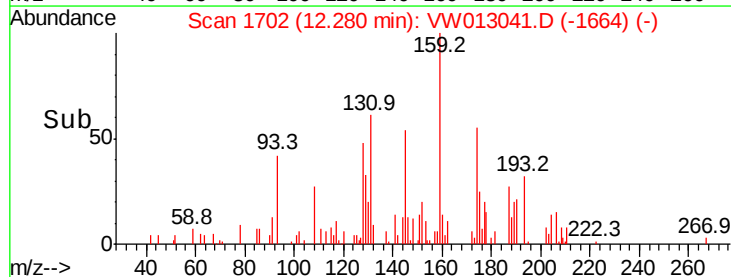
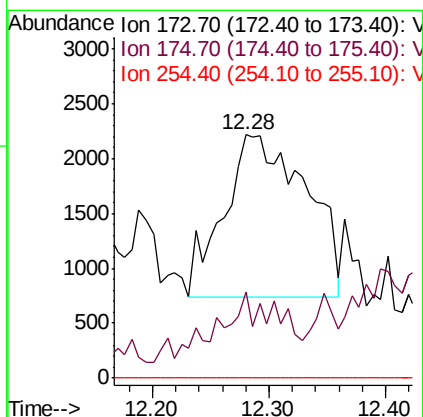
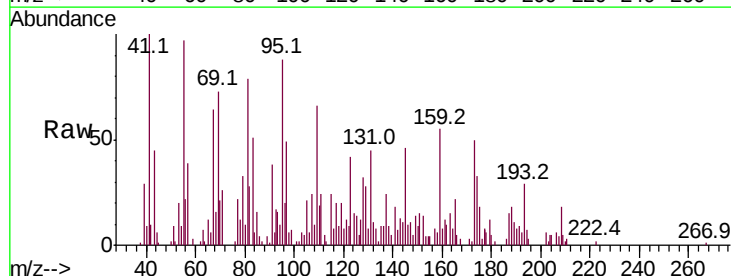
Instrument :
MSVOA_W
ClientSampleId :

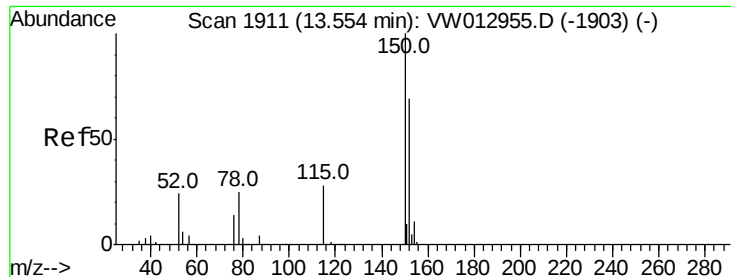
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	46.3	69.5
119	32.6	26.2	39.4



#71
Bromoform
Concen: 6.507 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. -0.07 min
Lab File: VW013041.D
Acq: 16 Sep 2019 15:07

Tgt Ion	Ratio	Lower	Upper
173	100		
175	15.4	24.2	72.6#
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW013041.D

Acq: 16 Sep 2019 15:07

Instrument :

MSVOA_W

ClientSampleId :

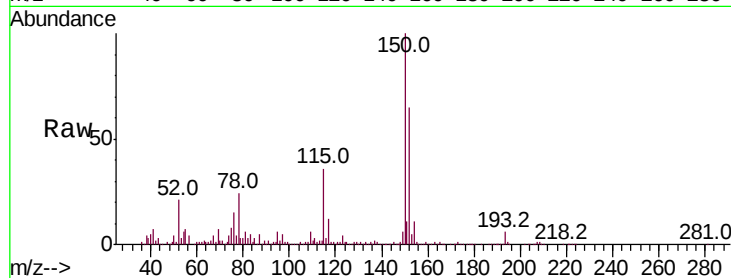
Tot Ion:152 Resp: 129191

Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.4

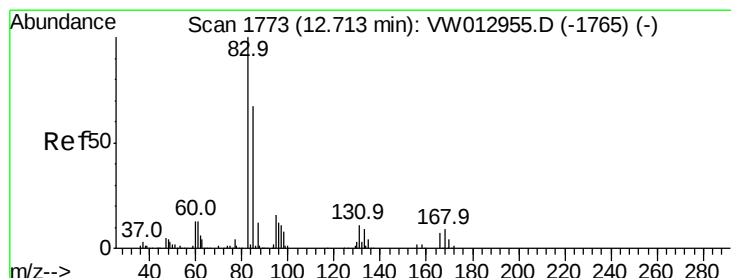
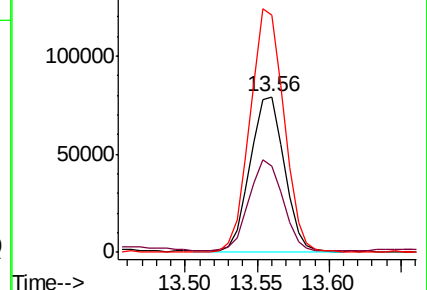
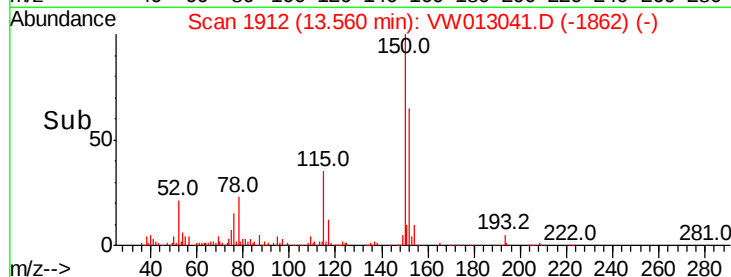
150 155.4 0.0 340.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 48.389 ug/l

RT: 12.64 min Scan# 1761

Delta R.T. -0.07 min

Lab File: VW013041.D

Acq: 16 Sep 2019 15:07

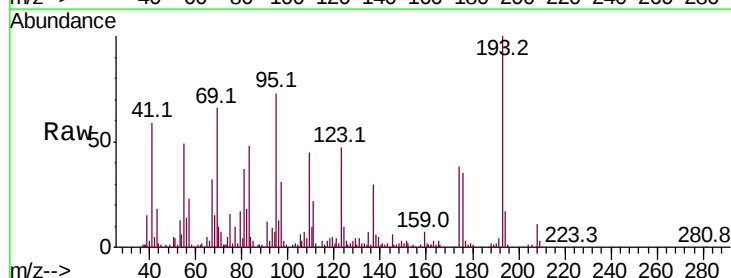
Tgt Ion: 83 Resp: 72778

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

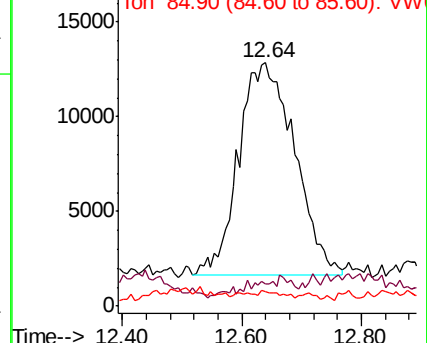
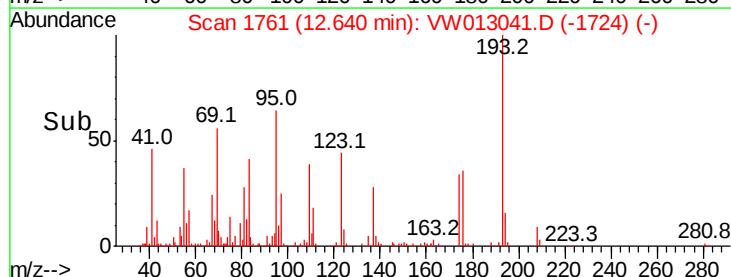
85 1.0 31.4 94.3#

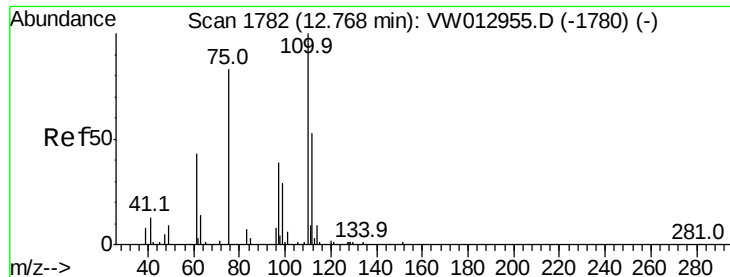


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 63.066 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013041.D

Acq: 16 Sep 2019 15:07

Instrument :

MSVOA_W

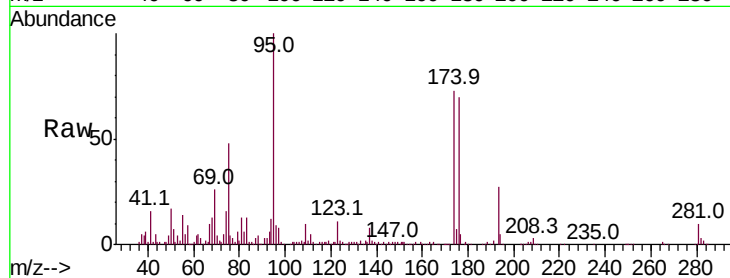
ClientSampled :

Tot Ion: 75 Resp: 71366

Ion Ratio Lower Upper

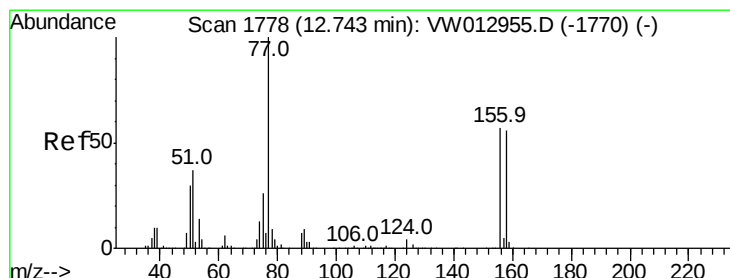
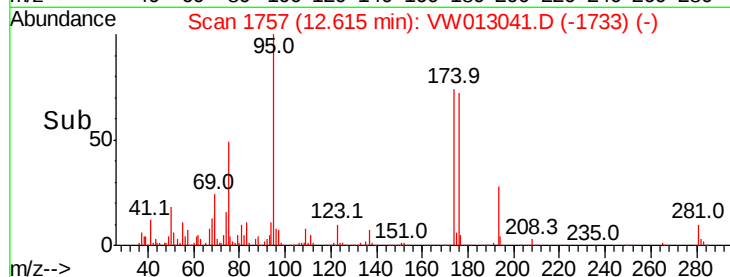
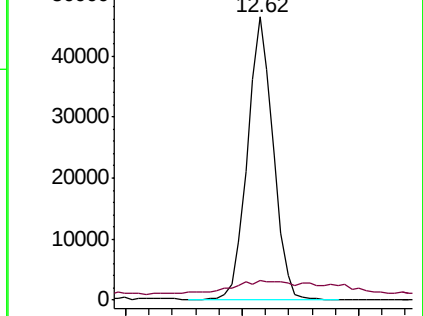
75 100

77 9.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#77

Bromobenzene

Concen: 44.225 ug/l

RT: 12.87 min Scan# 1799

Delta R.T. 0.13 min

Lab File: VW013041.D

Acq: 16 Sep 2019 15:07

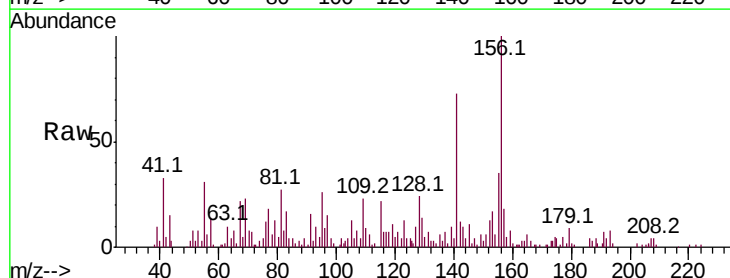
Tgt Ion: 156 Resp: 87243

Ion Ratio Lower Upper

156 100

77 1.0 95.2 285.6#

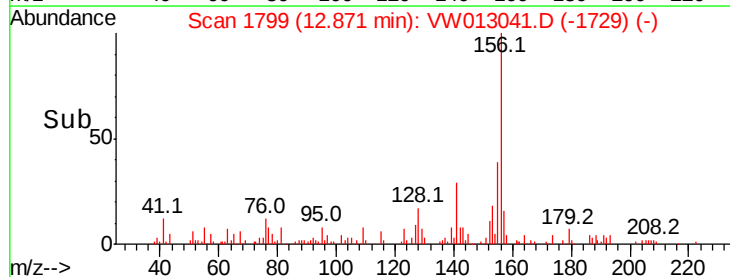
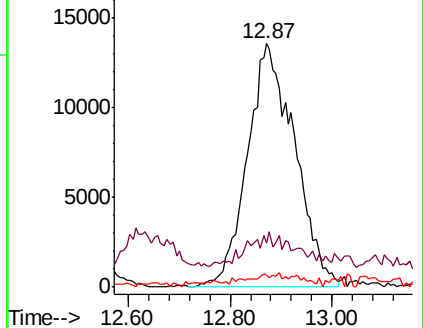
158 0.3 49.0 147.2#

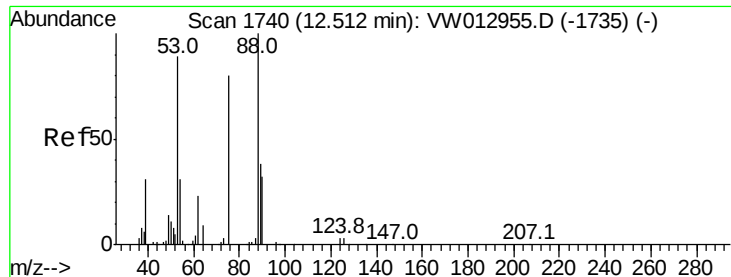


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V





#81

trans-1,4-Dichloro-2-butene

Concen: 143.064 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013041.D

Acq: 16 Sep 2019 15:07

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 71366

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.7 37.2 55.8#

