

Data File : VW013170.D
Acq On : 19 Sep 2019 19:10
Operator : SY/VA
Sample : K4877-10
Misc : 4.83G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CSA-2-4-1

Quant Time: Sep 20 07:48:50 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	314381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	475653	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	343812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	101360	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	140047	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
35) Dibromofluoromethane	7.88	113	134562	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
50) Toluene-d8	10.32	98	518544	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.62	95	127968	35.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.48%	

Target Compounds

						Qvalue
3) Chloromethane	2.20	50	211	Below Cal	#	41
11) Tert butyl alcohol	5.12	59	1016	Below Cal	#	72
13) Acrolein	4.07	56	29	Below Cal	#	15
16) Acetone	4.14	43	521	Below Cal	#	76
20) Methylene Chloride	4.91	84	10511	Below Cal		99
26) 2,2-Dichloropropane	7.17	77	77	Below Cal	#	55
31) Cyclohexane	7.94	56	5447	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	20674	5.439	ug/l #	51
38) Carbon Tetrachloride	7.95	117	28052	7.202	ug/l #	14
51) 4-Methyl-2-Pentanone	10.32	43	2150	1.075	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	62380	70.261	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62380	159.386	ug/l #	7

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

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```

ALS Vial      : 20      Sample Multiplier: 1

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Instrument :
MSVOA_W
ClientSampleId :
CSA-2-4-1

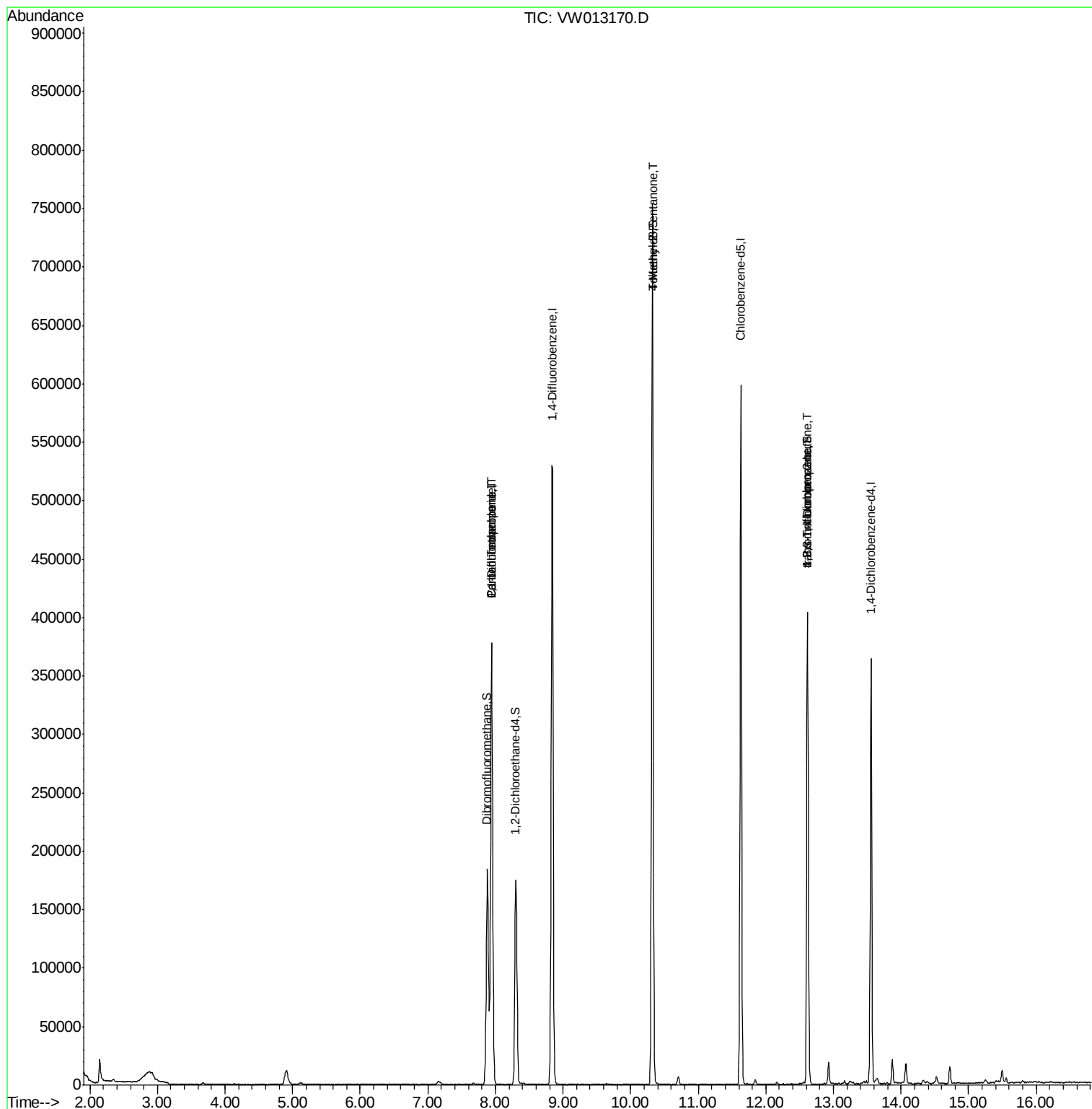
Quant Time: Sep 20 07:48:50 2019

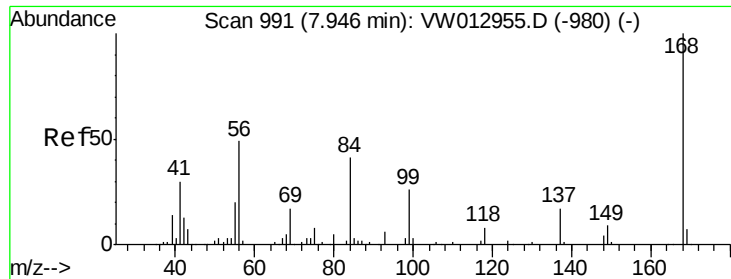
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W091419S.M

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: VW013170.D

Acq: 19 Sep 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

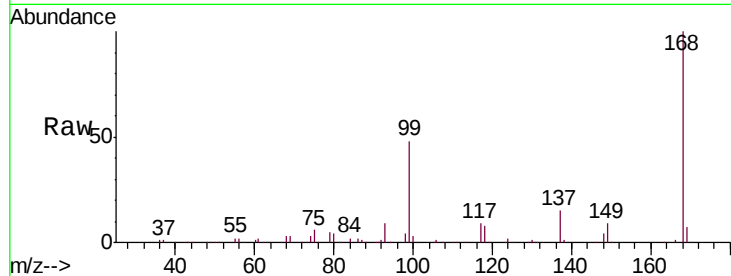
CSA-2-4-1

Tgt Ion:168 Resp: 314381

Ion Ratio Lower Upper

168 100

99 47.6 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

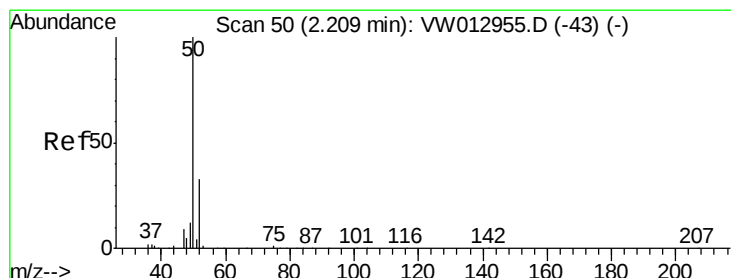
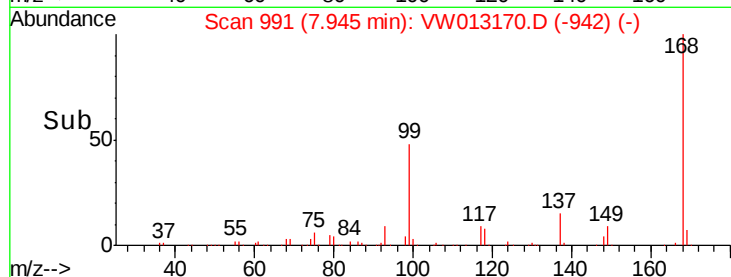
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013170.D

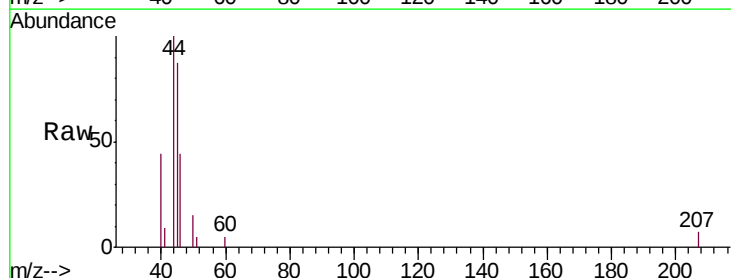
Acq: 19 Sep 2019 19:10

Tgt Ion: 50 Resp: 211

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

2.20

200

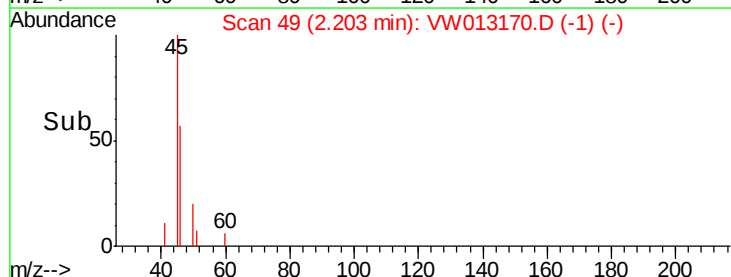
150

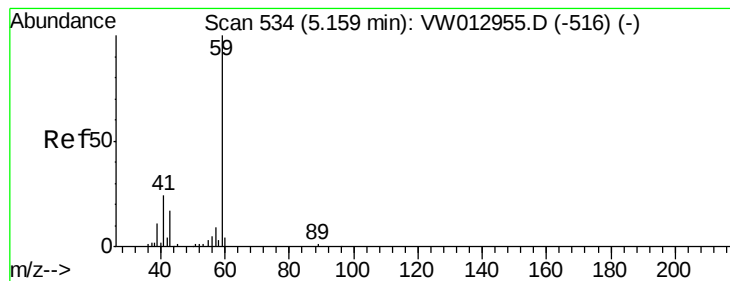
100

50

0

Time--> 2.16 2.18 2.20 2.22 2.24



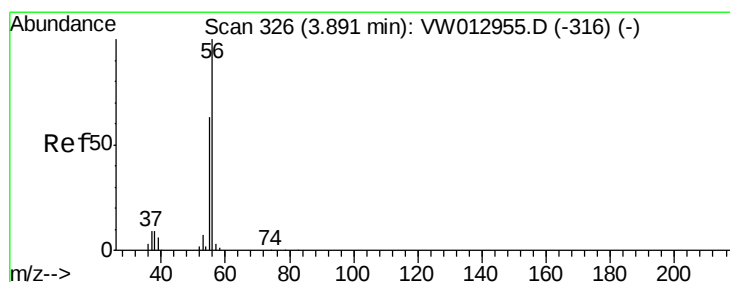
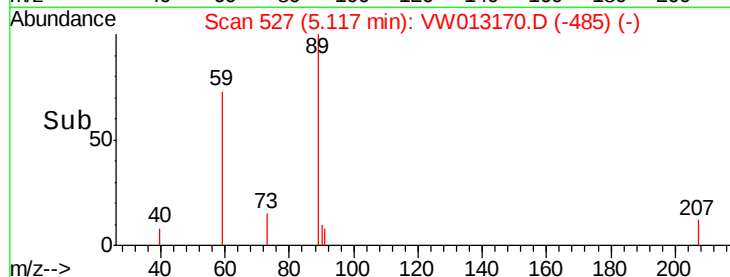
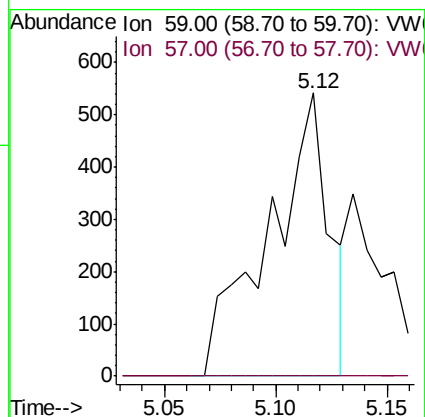
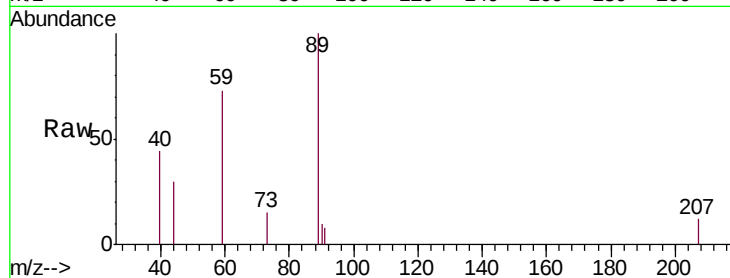


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.12 min Scan# 527
 Delta R.T. -0.04 min
 Lab File: VW013170.D
 Acq: 19 Sep 2019 19:10

Instrument :
 MSVOA_W
 ClientSampleId :
 CSA-2-4-1

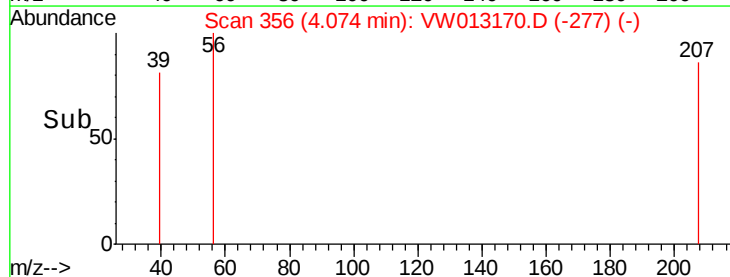
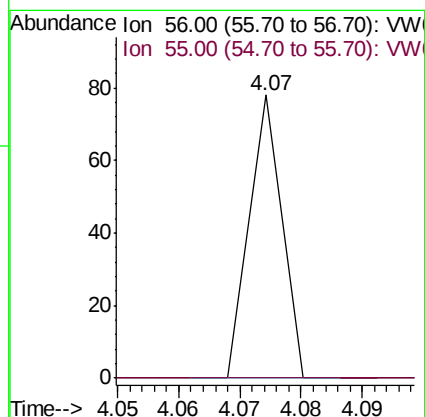
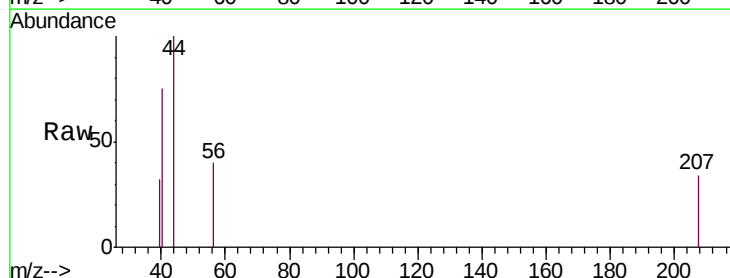
Tgt Ion: 59 Resp: 1016
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

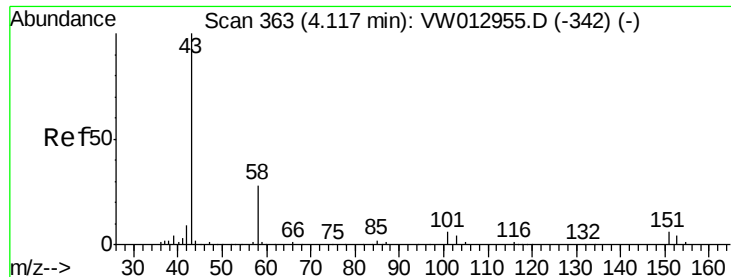


#13

Acrolein
 Concen: Below Cal
 RT: 4.07 min Scan# 356
 Delta R.T. 0.18 min
 Lab File: VW013170.D
 Acq: 19 Sep 2019 19:10

Tgt Ion: 56 Resp: 29
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#





#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013170.D

Acq: 19 Sep 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

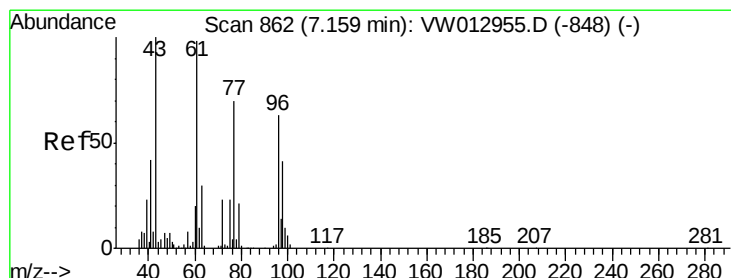
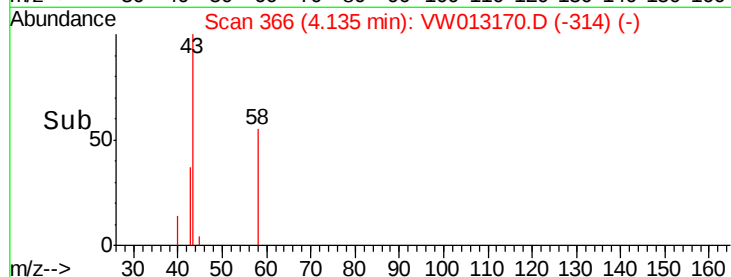
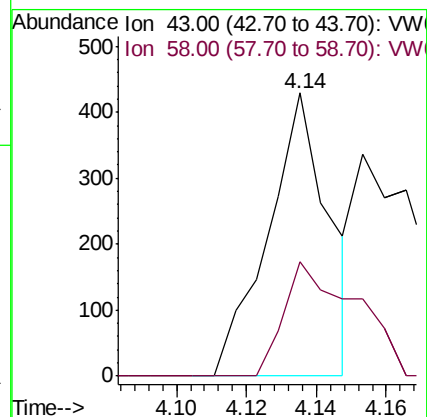
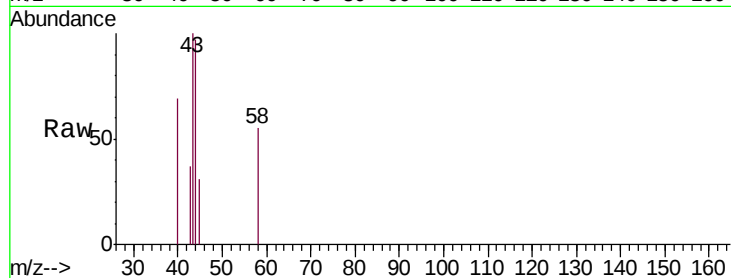
CSA-2-4-1

Tgt Ion: 43 Resp: 521

Ion Ratio Lower Upper

43 100

58 40.6 22.3 33.5#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013170.D

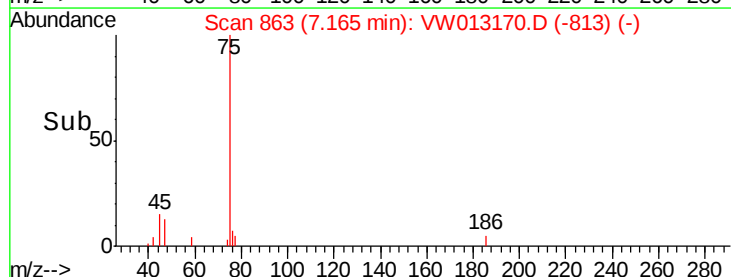
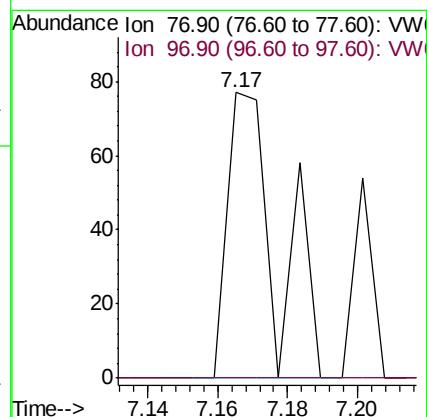
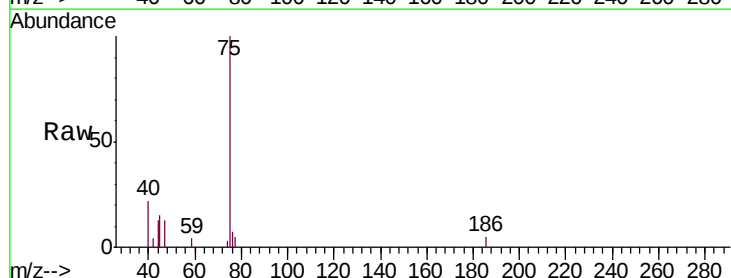
Acq: 19 Sep 2019 19:10

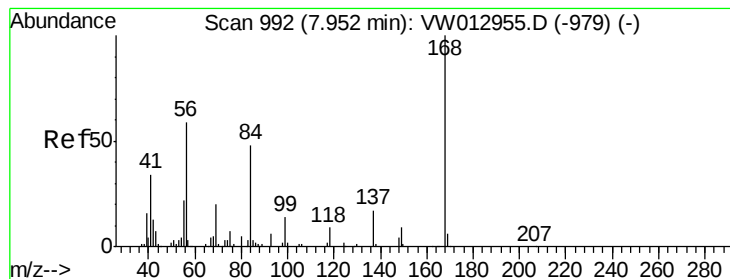
Tgt Ion: 77 Resp: 77

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#





#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013170.D

Acq: 19 Sep 2019 19:10

Instrument :

MSVOA_W

ClientSampled :

CSA-2-4-1

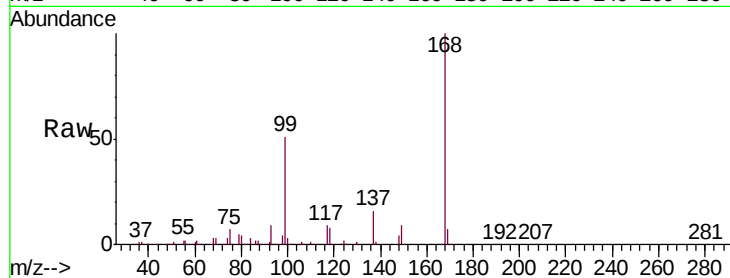
Tgt Ion: 56 Resp: 5447

Ion Ratio Lower Upper

56 100

69 175.3 27.0 40.6#

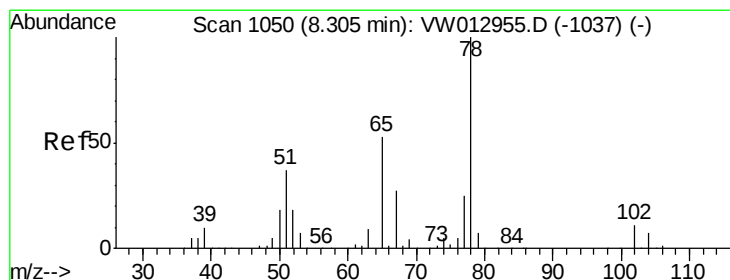
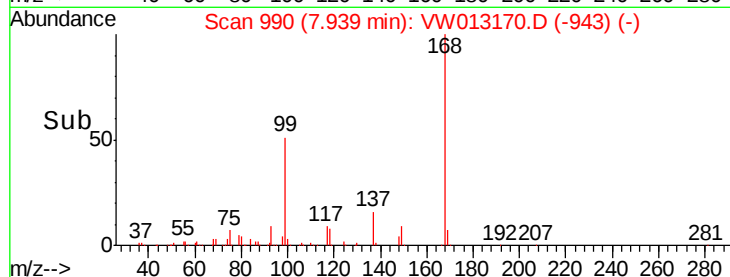
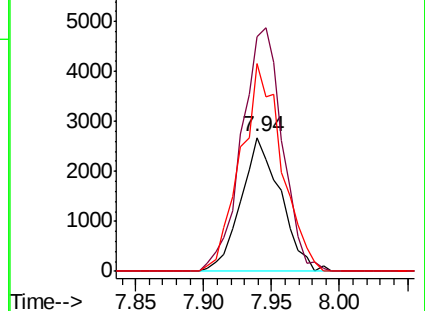
84 155.5 66.2 99.2#



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: 48.233 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013170.D

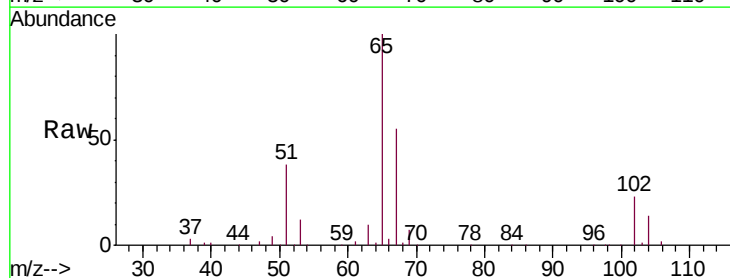
Acq: 19 Sep 2019 19:10

Tgt Ion: 65 Resp: 140047

Ion Ratio Lower Upper

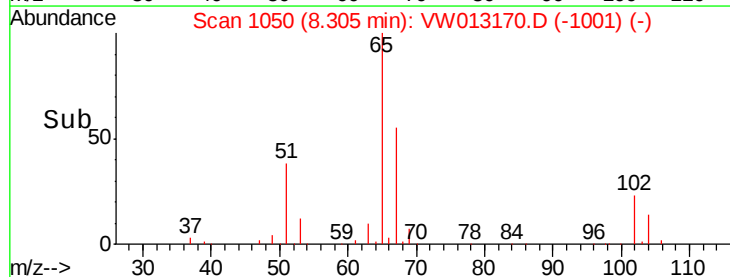
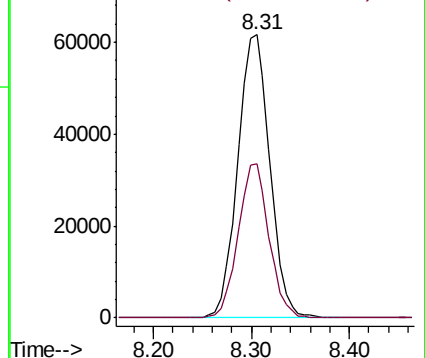
65 100

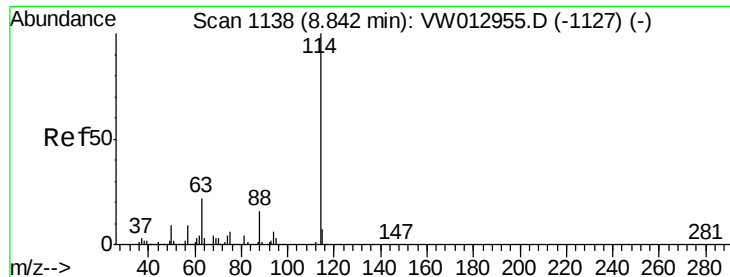
67 52.4 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

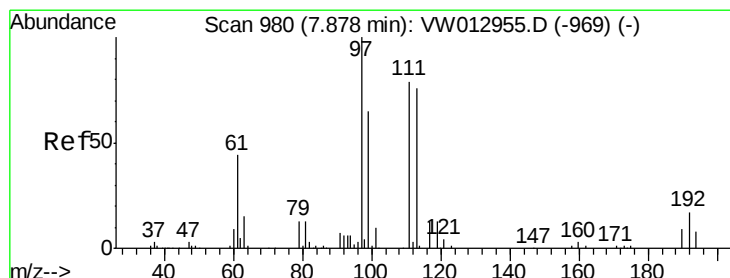
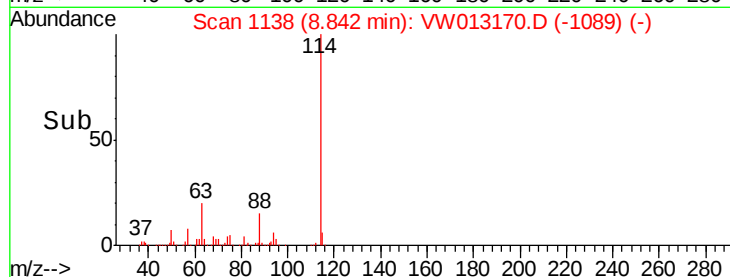
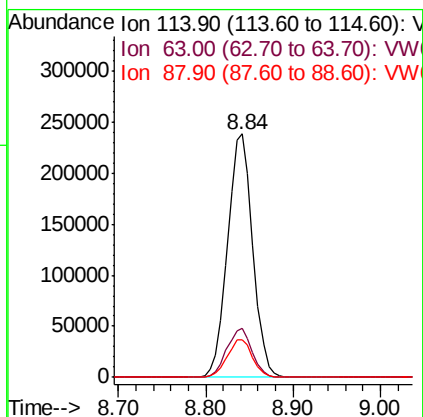
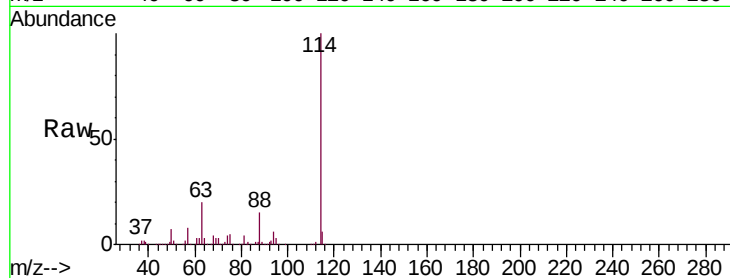




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW013170.D
Acq: 19 Sep 2019 19:10

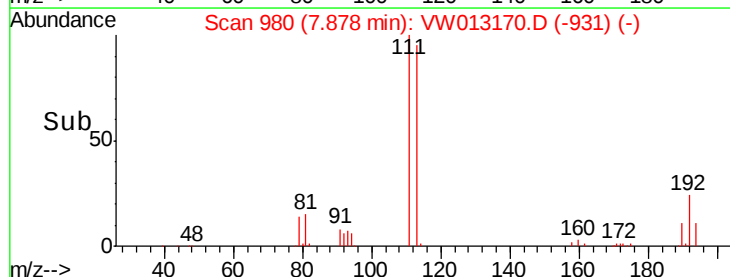
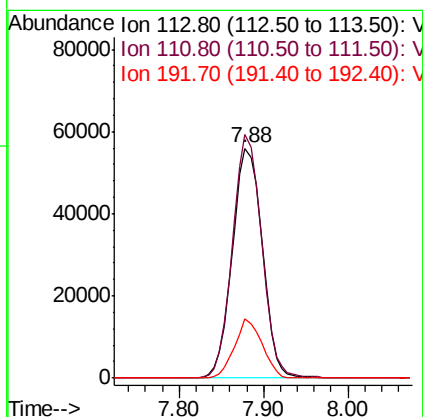
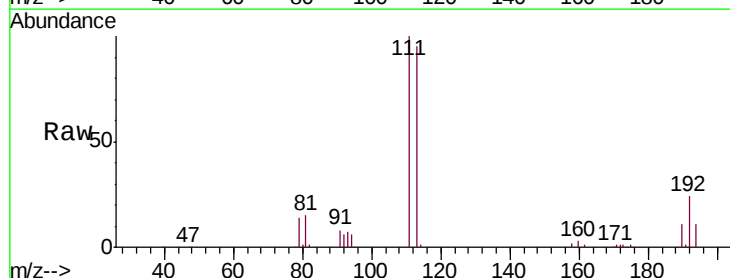
Instrument :
MSVOA_W
ClientSampleId :
CSA-2-4-1

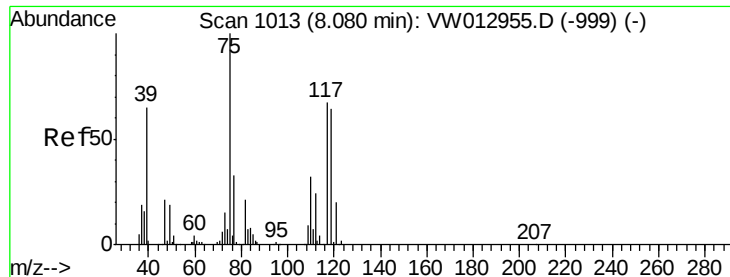
Tgt Ion:114 Resp: 475653
Ion Ratio Lower Upper
114 100
63 19.9 0.0 43.4
88 15.3 0.0 31.6



#35
Dibromofluoromethane
Concen: 52.137 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW013170.D
Acq: 19 Sep 2019 19:10

Tgt Ion:113 Resp: 134562
Ion Ratio Lower Upper
113 100
111 103.1 82.8 124.2
192 23.6 17.8 26.8





#36

1,1-Dichloropropene

Concen: 5.439 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013170.D

Acq: 19 Sep 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

CSA-2-4-1

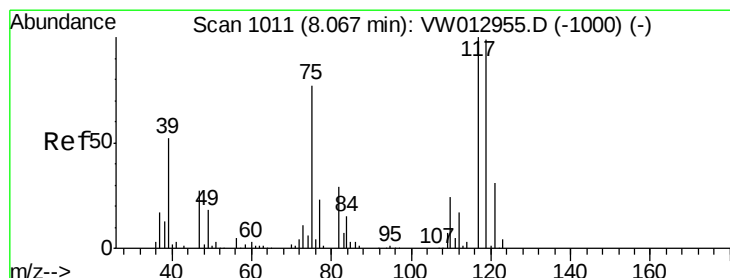
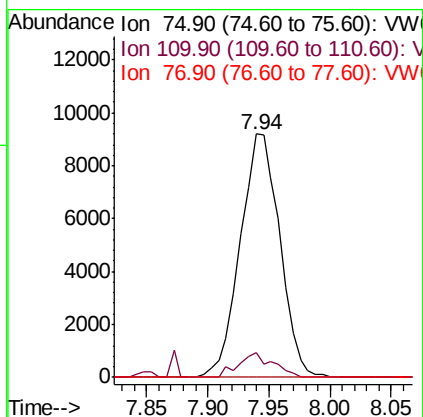
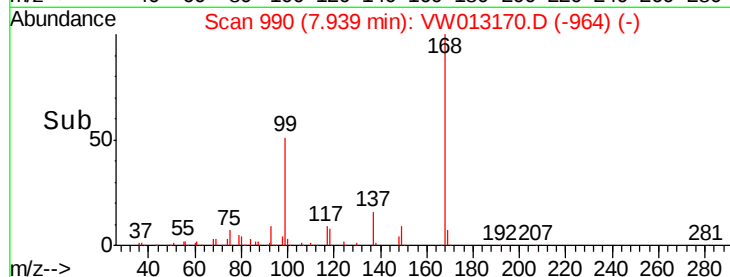
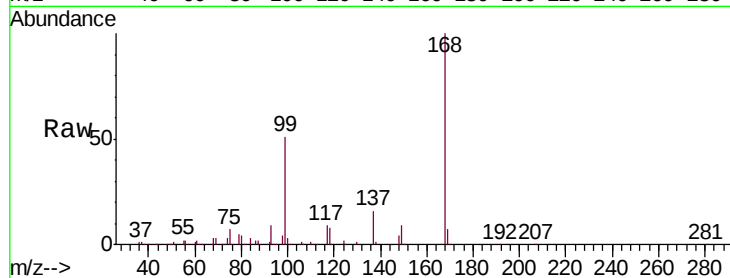
Tgt Ion: 75 Resp: 20674

Ion Ratio Lower Upper

75 100

110 8.8 16.4 49.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 7.202 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013170.D

Acq: 19 Sep 2019 19:10

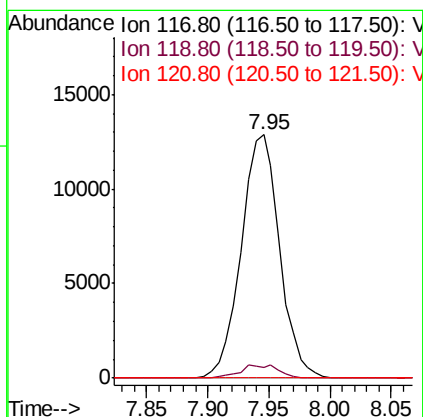
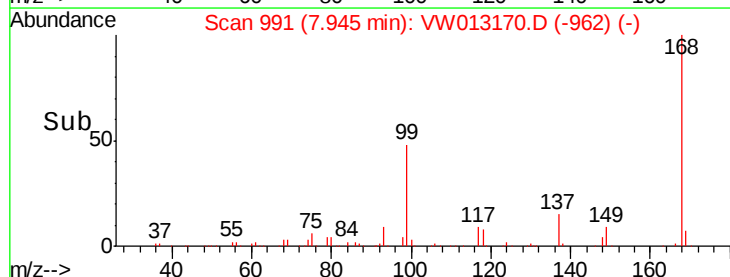
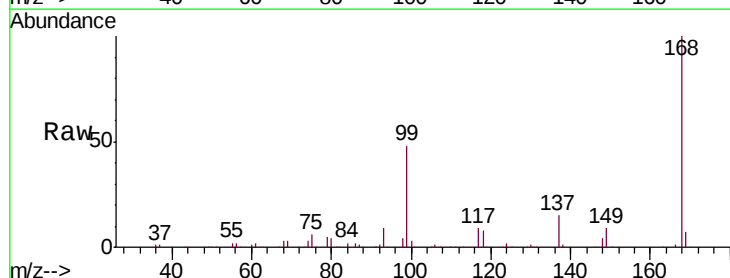
Tgt Ion: 117 Resp: 28052

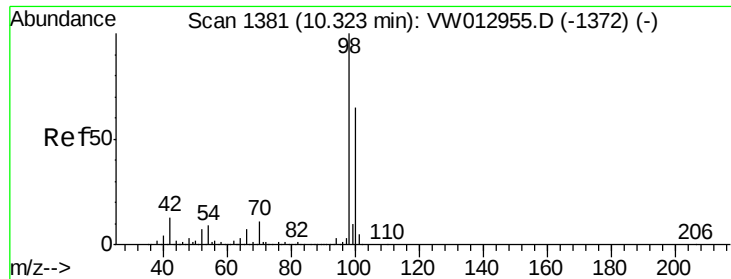
Ion Ratio Lower Upper

117 100

119 4.6 79.4 119.0#

121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 51.343 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013170.D

Acq: 19 Sep 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

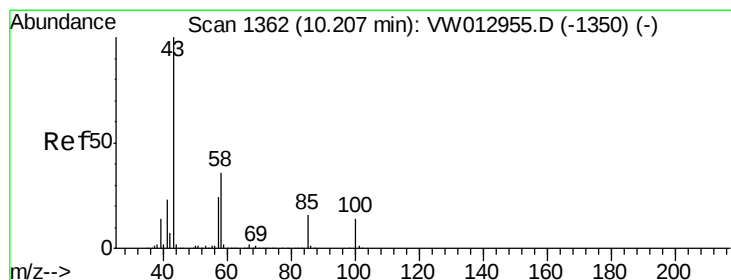
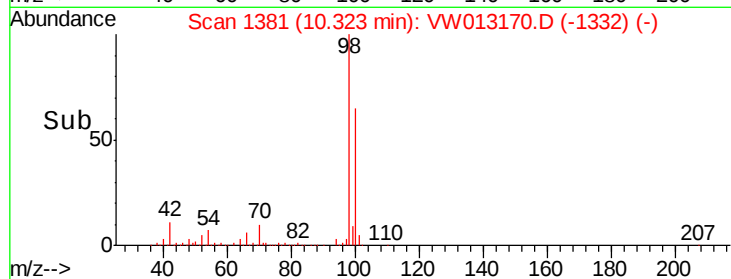
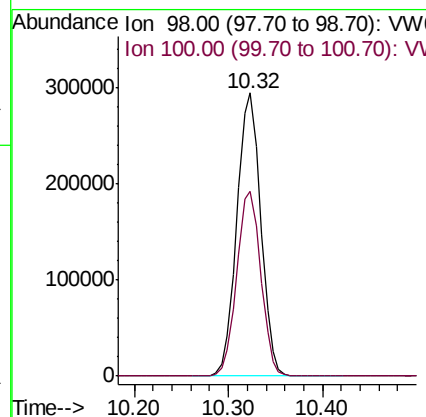
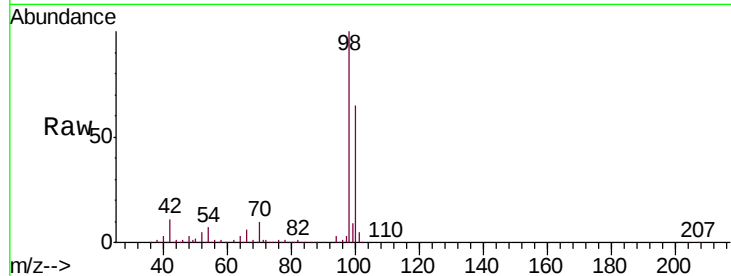
CSA-2-4-1

Tgt Ion: 98 Resp: 518544

Ion Ratio Lower Upper

98 100

100 65.8 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 1.075 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW013170.D

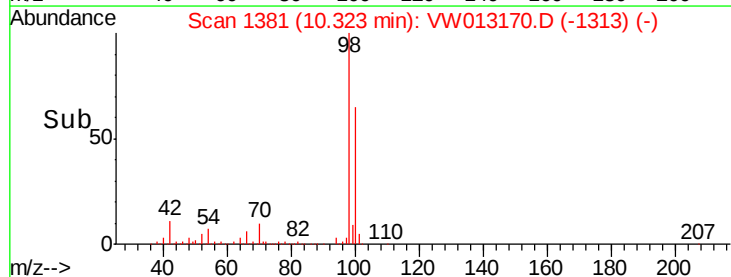
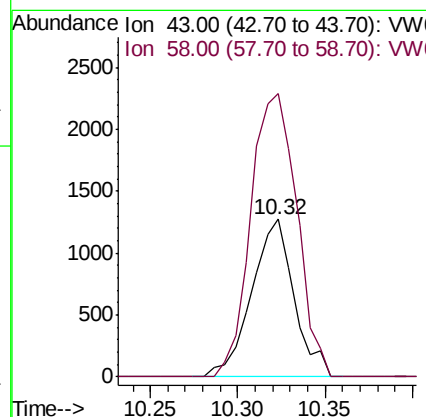
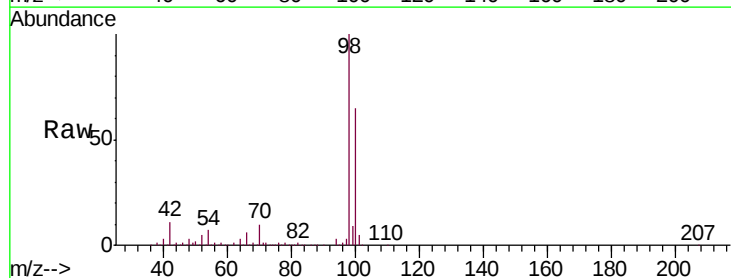
Acq: 19 Sep 2019 19:10

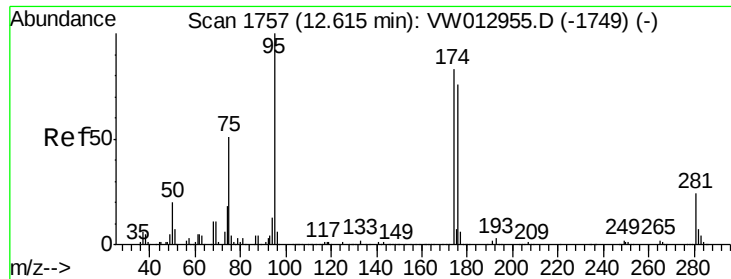
Tgt Ion: 43 Resp: 2150

Ion Ratio Lower Upper

43 100

58 194.8 29.5 44.3#

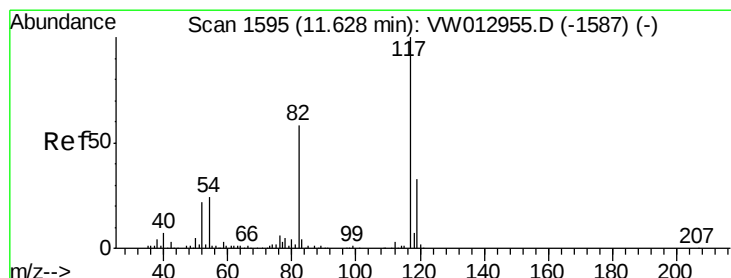
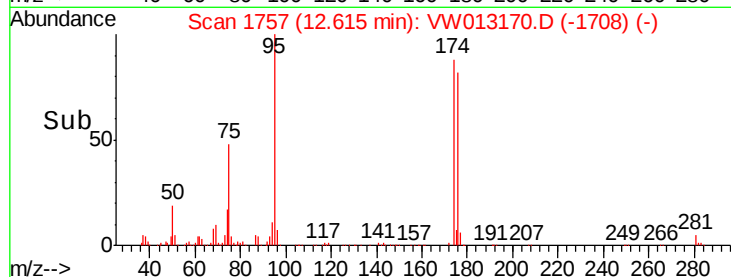
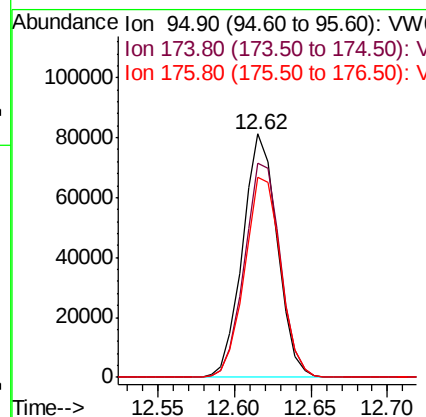
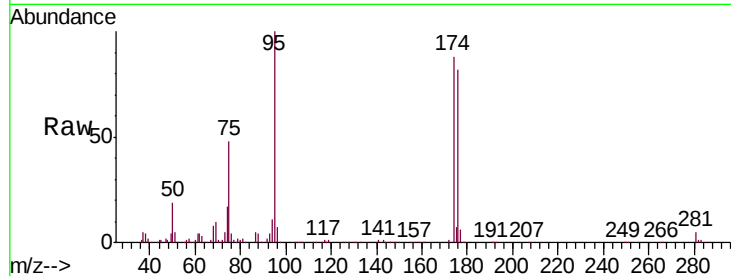




#62
4-Bromofluorobenzene
Concen: 35.238 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013170.D
Acq: 19 Sep 2019 19:10

Instrument :
MSVOA_W
ClientSampleId :
CSA-2-4-1

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	170.4
176	85.5	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: VW013170.D
Acq: 19 Sep 2019 19:10

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.3	69.5
119	31.9	26.2	39.4

