

Data File : VW013141.D
Acq On : 19 Sep 2019 04:58
Operator : SY/VA
Sample : K4814-02
Misc : 3.01G/5ML/MSVOA_W/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC-2

Quant Time: Sep 19 08:04:51 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	377601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	567224	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	457081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174802	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	167692	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
35) Dibromofluoromethane	7.88	113	157387	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	10.32	98	644892	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
62) 4-Bromofluorobenzene	12.62	95	185162	42.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.52%	

Target Compounds

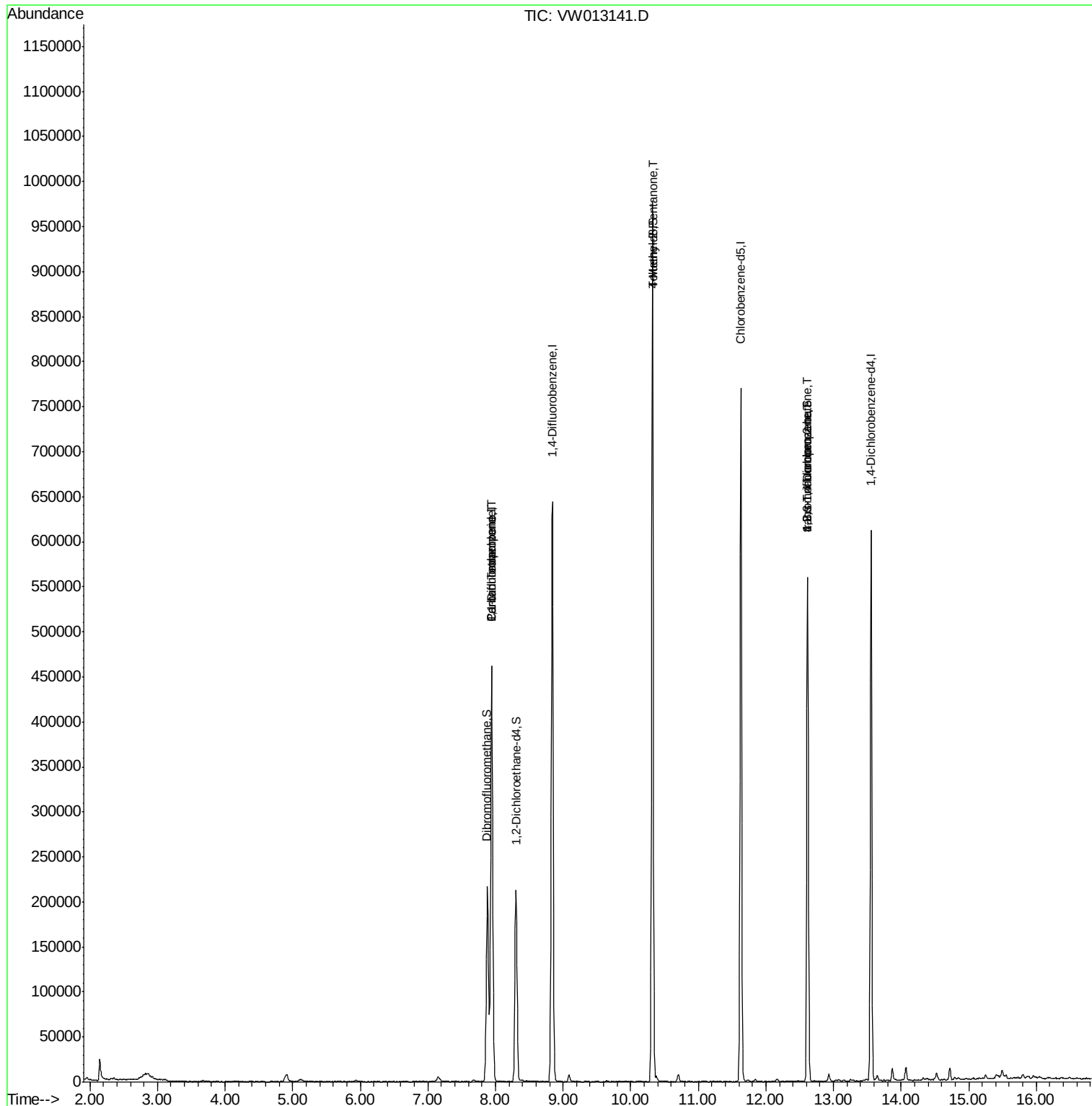
						Qvalue
3) Chloromethane	2.21	50	220	Below Cal	#	41
11) Tert butyl alcohol	5.10	59	1177	Below Cal	#	72
16) Acetone	4.14	43	1118	Below Cal	#	80
20) Methylene Chloride	4.91	84	6474	Below Cal		87
26) 2,2-Dichloropropane	7.14	77	320	Below Cal	#	55
31) Cyclohexane	7.95	56	6490	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	24749	5.460	ug/l #	52
38) Carbon Tetrachloride	7.95	117	32426	6.981	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	2754	1.155	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	89201	58.258	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	89201	132.158	ug/l #	7

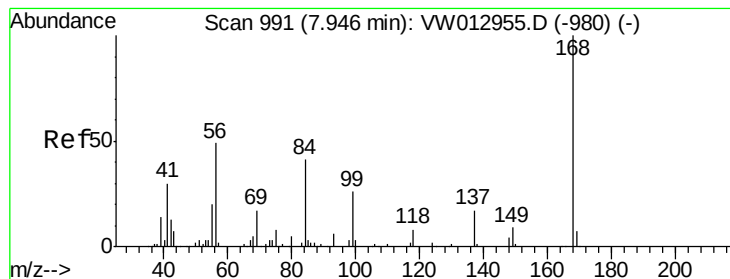
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013141.D

Acq: 19 Sep 2019 04:58

Instrument :

MSVOA_W

ClientSampled :

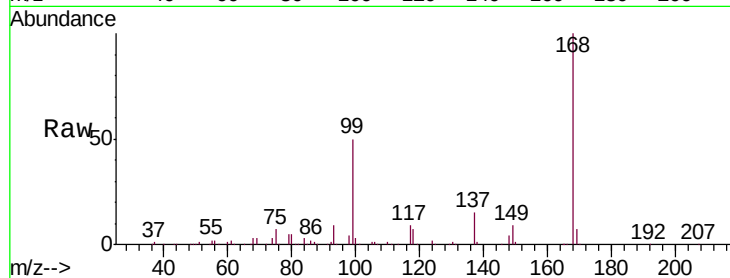
WC-2

Tgt Ion:168 Resp: 377601

Ion Ratio Lower Upper

168 100

99 50.3 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

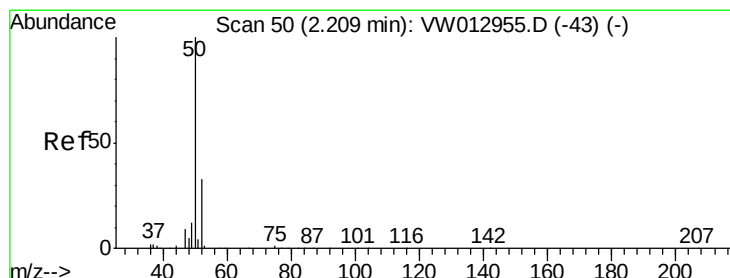
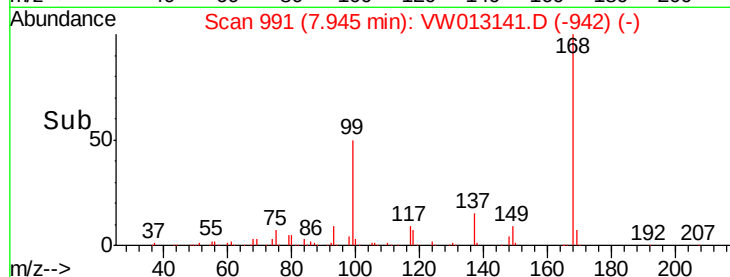
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013141.D

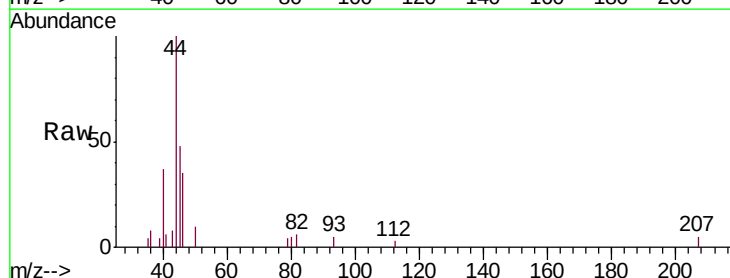
Acq: 19 Sep 2019 04:58

Tgt Ion: 50 Resp: 220

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

2.21

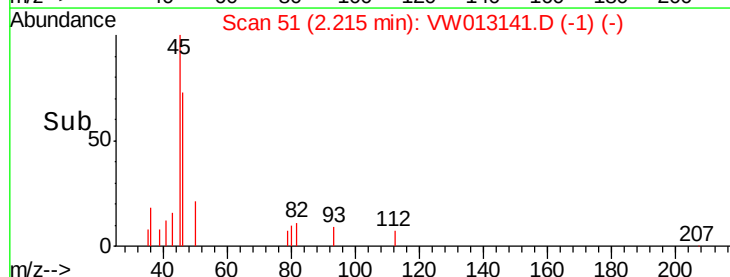
150

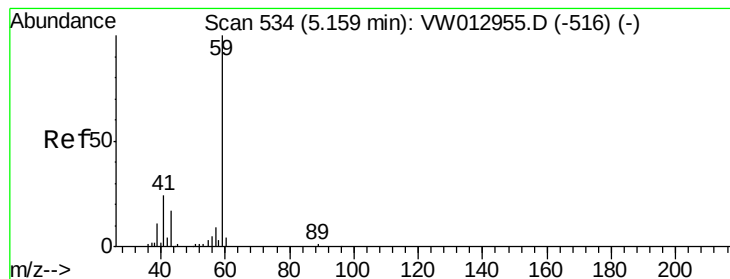
100

50

0

Time--> 2.16 2.18 2.20 2.22 2.24



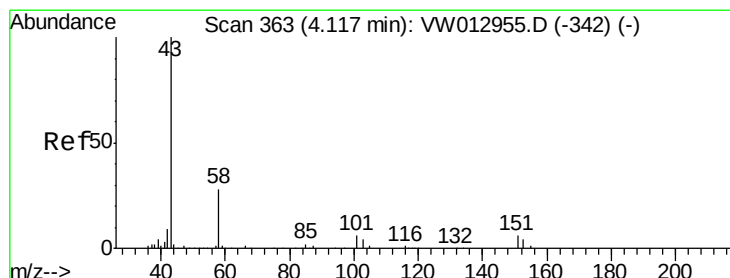
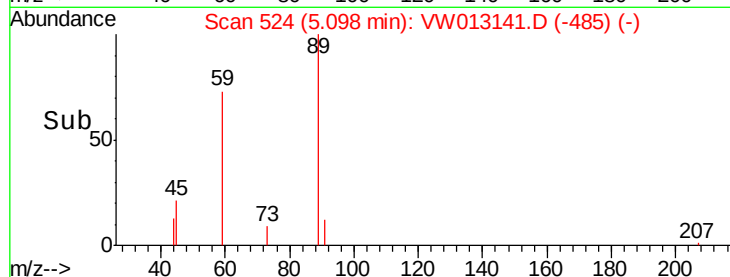
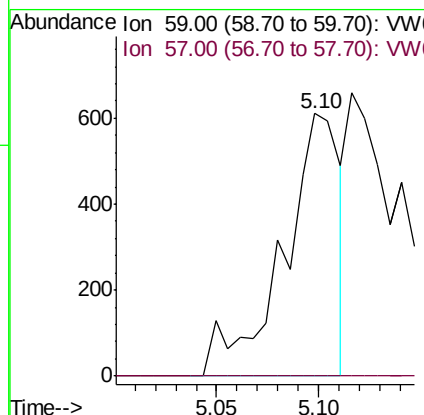
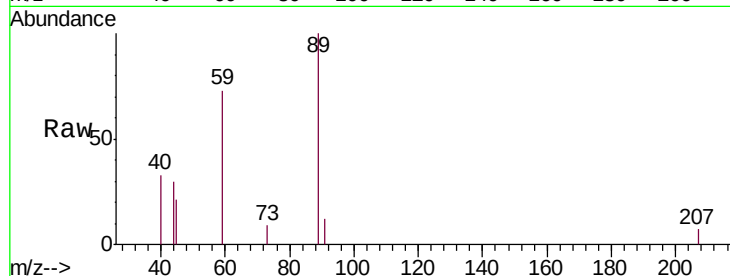


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.10 min Scan# 524
Delta R.T. -0.06 min
Lab File: VW013141.D
Acq: 19 Sep 2019 04:58

Instrument :
MSVOA_W
ClientSampleId :
WC-2

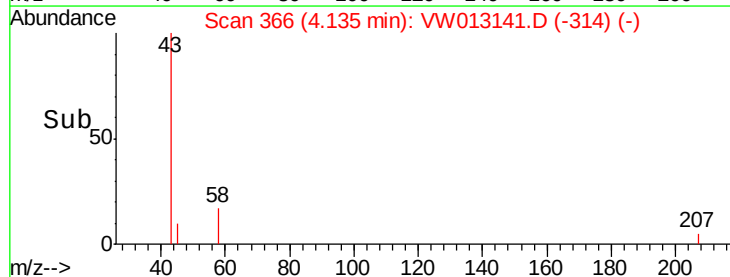
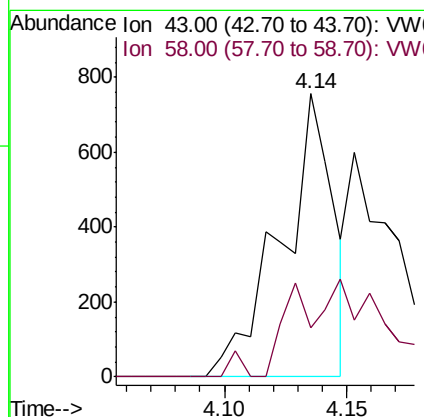
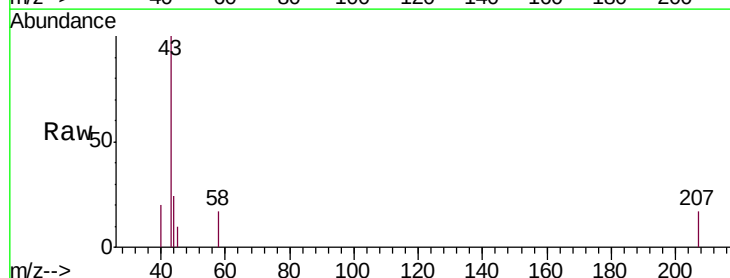
Tgt Ion: 59 Resp: 1177
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

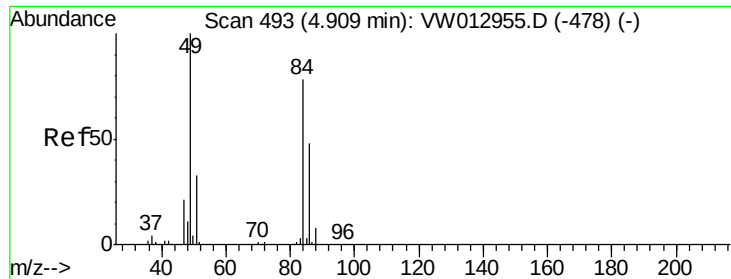


#16

Acetone
Concen: Below Cal
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW013141.D
Acq: 19 Sep 2019 04:58

Tgt Ion: 43 Resp: 1118
Ion Ratio Lower Upper
43 100
58 17.2 22.3 33.5#

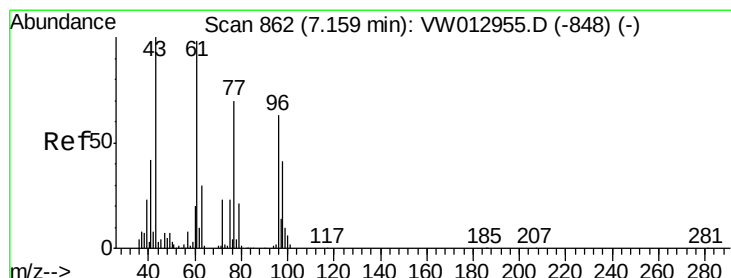
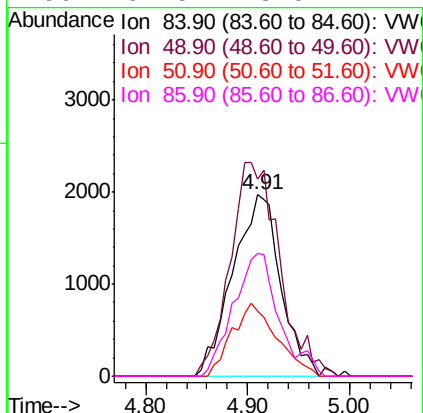
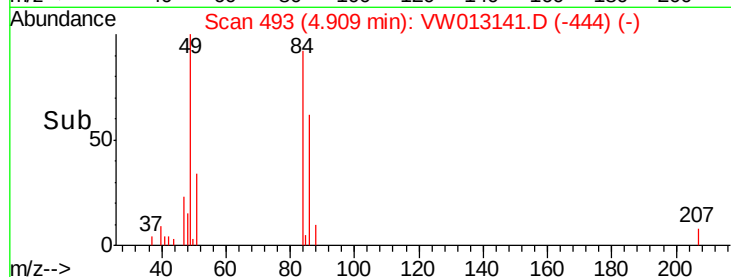
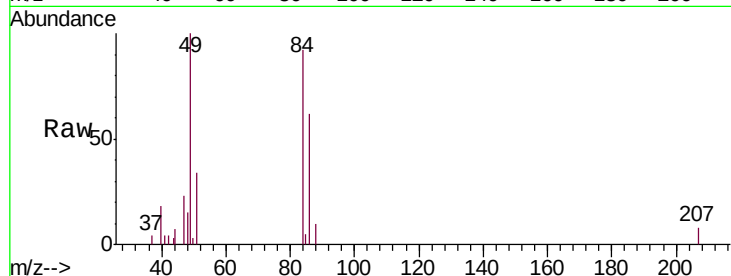




#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013141.D
Acq: 19 Sep 2019 04:58

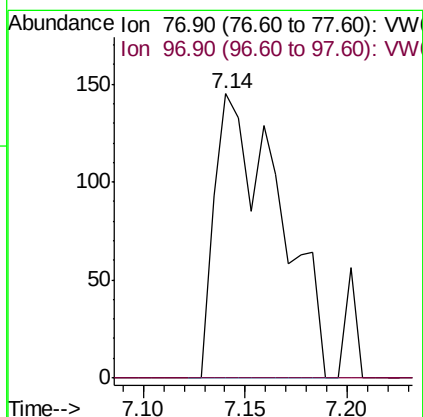
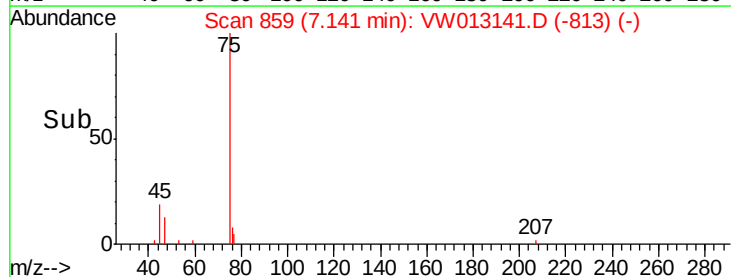
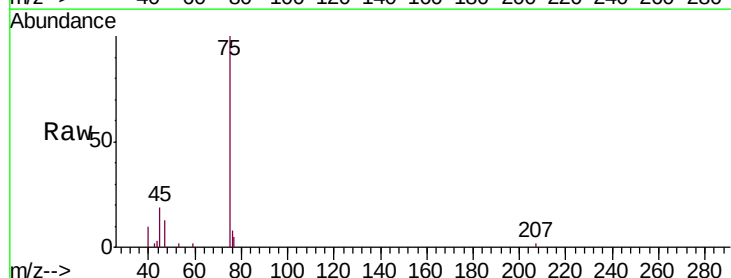
Instrument :
MSVOA_W
ClientSampled :
WC-2

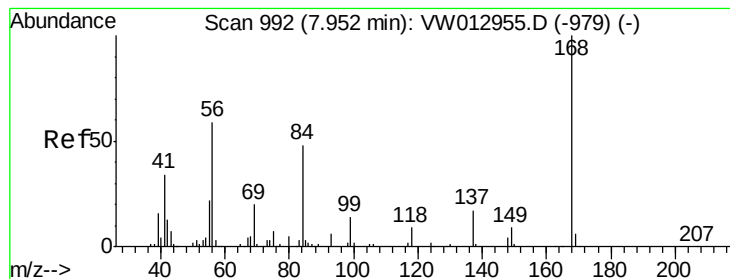
Tgt Ion: 84 Resp: 6474
Ion Ratio Lower Upper
84 100
49 108.3 102.0 153.0
51 36.3 34.0 51.0
86 67.5 48.5 72.7



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW013141.D
Acq: 19 Sep 2019 04:58

Tgt Ion: 77 Resp: 320
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: VW013141.D

Acq: 19 Sep 2019 04:58

Instrument :

MSVOA_W

ClientSampleId :

WC-2

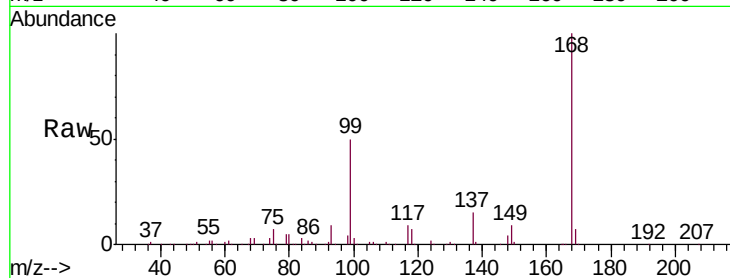
Tgt Ion: 56 Resp: 6490

Ion Ratio Lower Upper

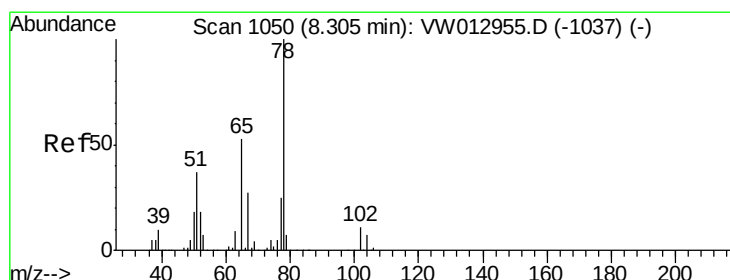
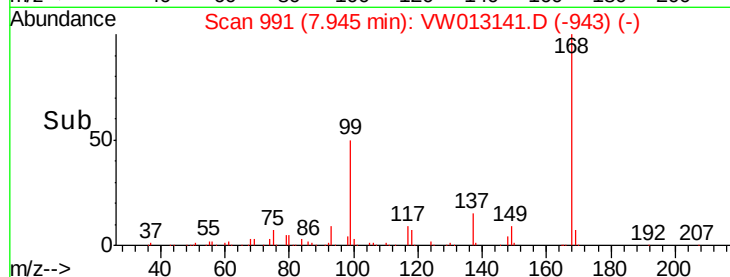
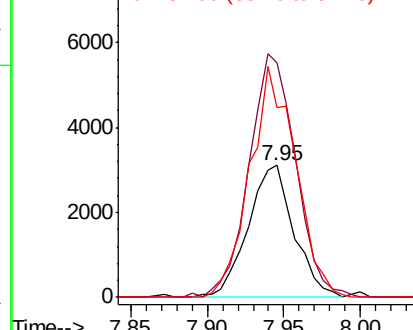
56 100

69 175.1 27.0 40.6#

84 143.8 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: 48.085 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013141.D

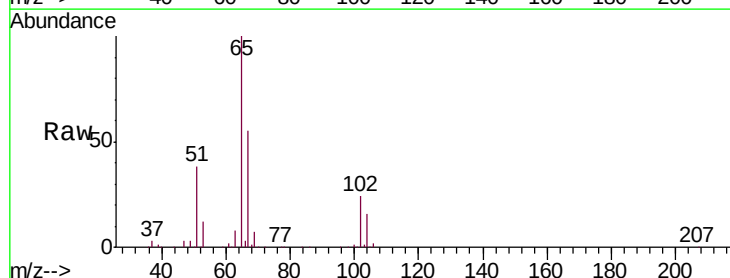
Acq: 19 Sep 2019 04:58

Tgt Ion: 65 Resp: 167692

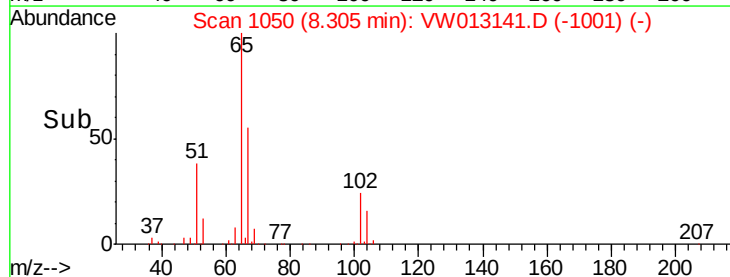
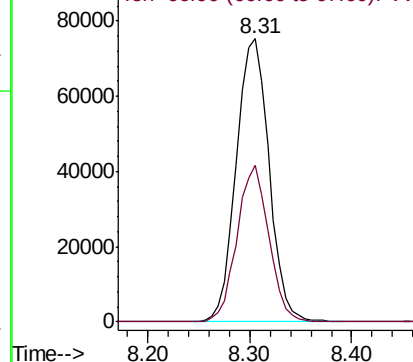
Ion Ratio Lower Upper

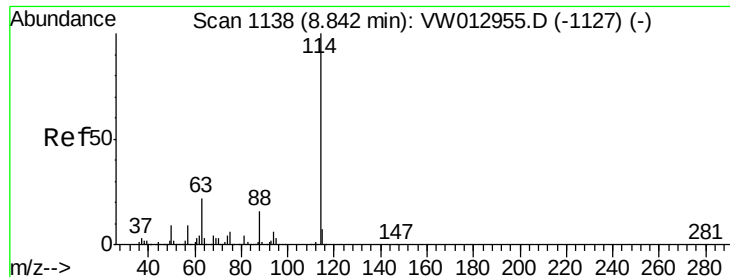
65 100

67 53.5 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: VW013141.D

Acq: 19 Sep 2019 04:58

Instrument :

MSVOA_W

ClientSampleId :

WC-2

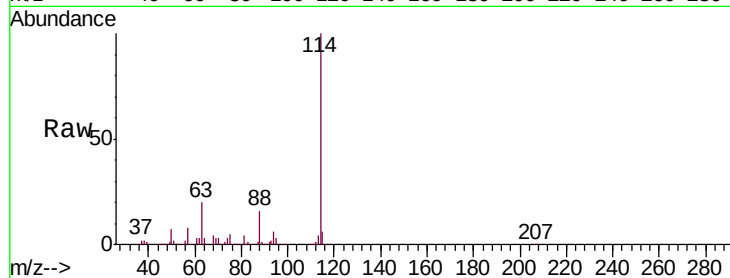
Tgt Ion:114 Resp: 567224

Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.4

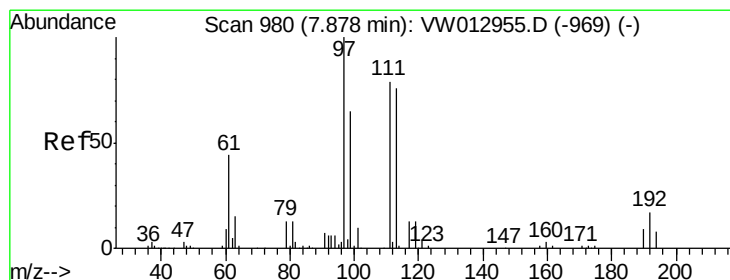
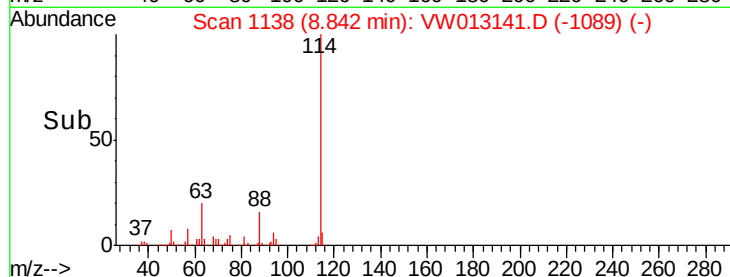
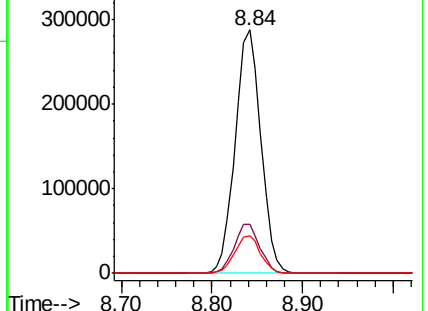
88 15.5 0.0 31.6



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: 51.136 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013141.D

Acq: 19 Sep 2019 04:58

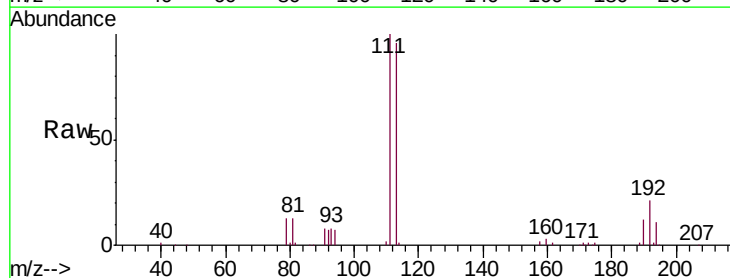
Tgt Ion:113 Resp: 157387

Ion Ratio Lower Upper

113 100

111 103.1 82.8 124.2

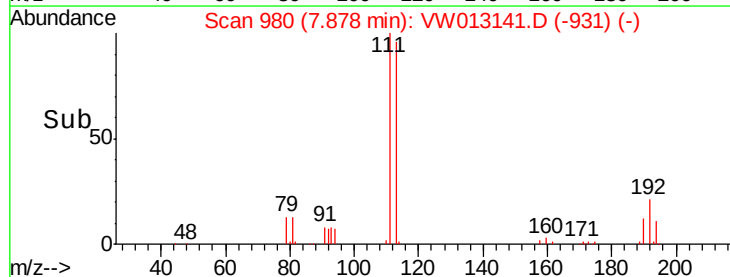
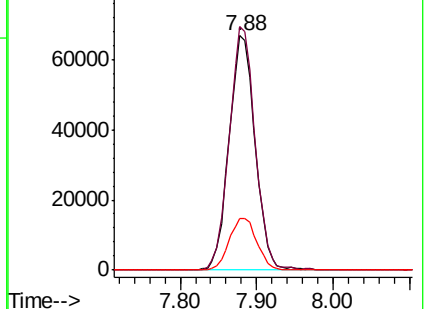
192 23.3 17.8 26.8

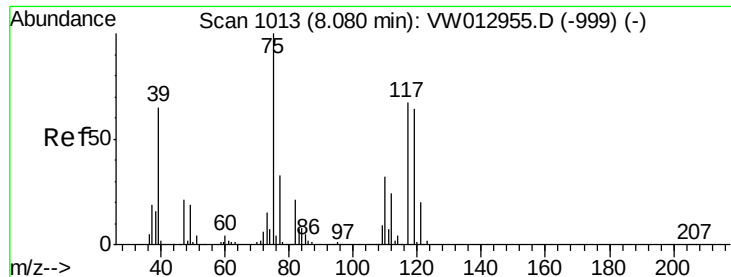


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

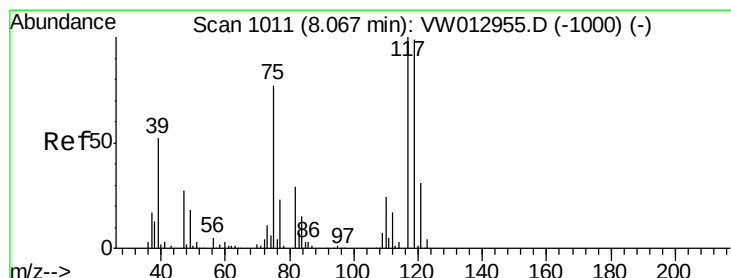
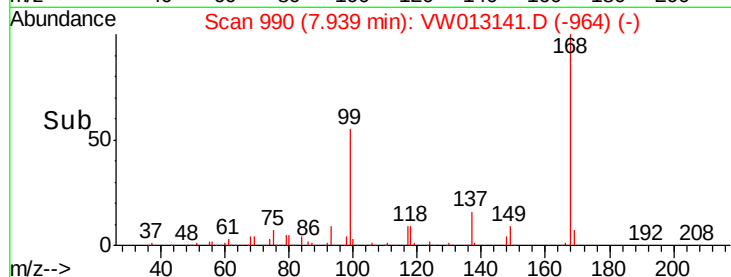
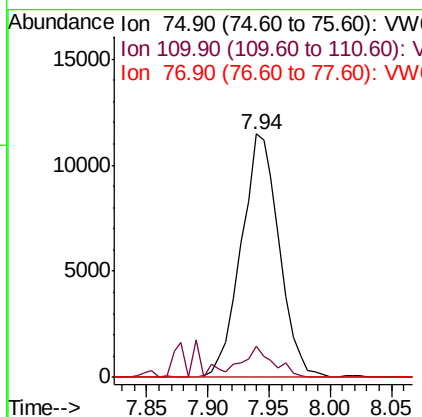
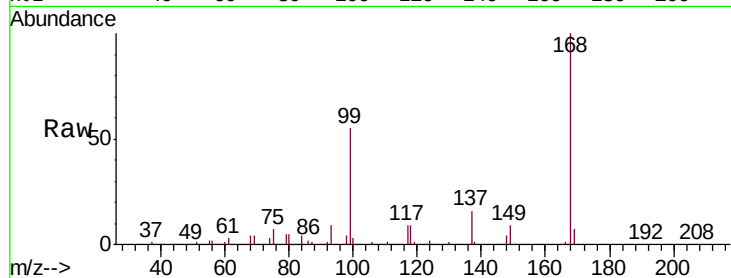




#36
 1,1-Dichloropropene
 Concen: 5.460 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013141.D
 Acq: 19 Sep 2019 04:58

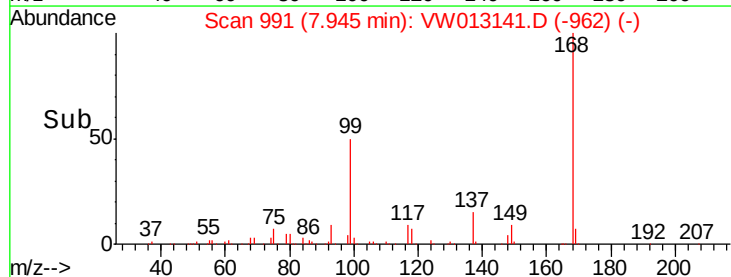
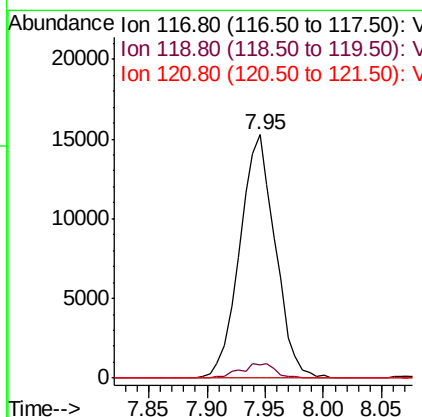
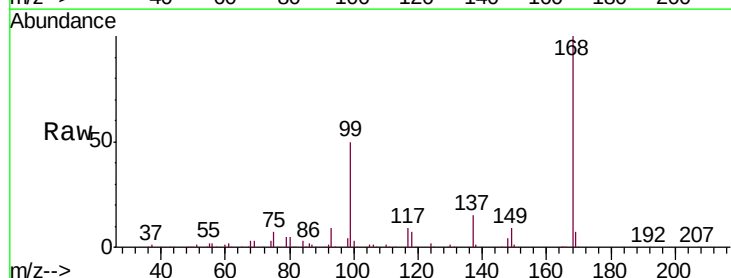
Instrument :
 MSVOA_W
 ClientSampleId :
 WC-2

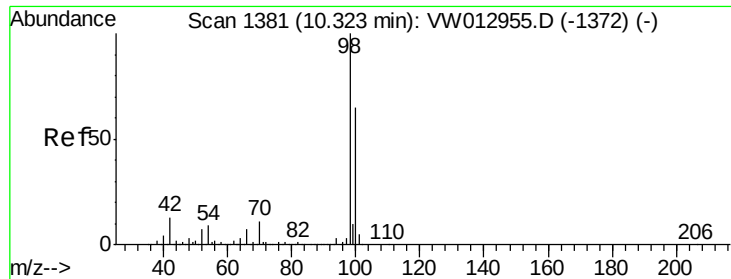
Tgt Ion: 75 Resp: 24749
 Ion Ratio Lower Upper
 75 100
 110 10.1 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.981 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013141.D
 Acq: 19 Sep 2019 04:58

Tgt Ion: 117 Resp: 32426
 Ion Ratio Lower Upper
 117 100
 119 5.2 79.4 119.0#
 121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 53.545 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013141.D

Acq: 19 Sep 2019 04:58

Instrument :

MSVOA_W

ClientSampled :

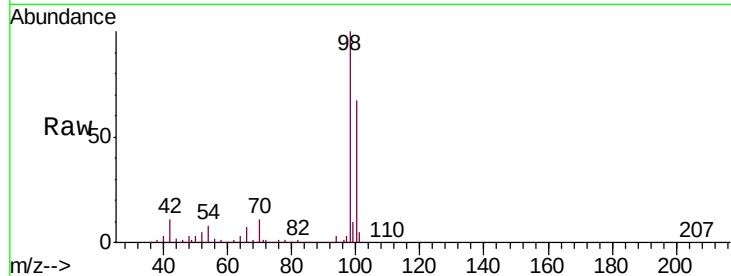
WC-2

Tgt Ion: 98 Resp: 644892

Ion Ratio Lower Upper

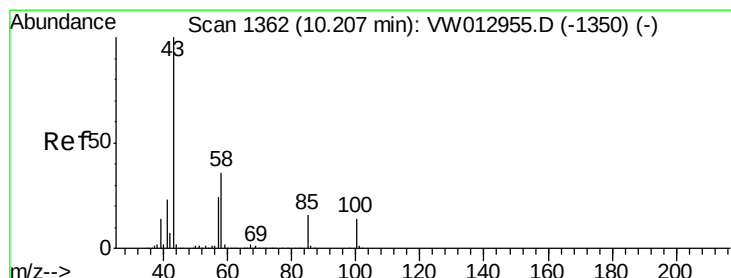
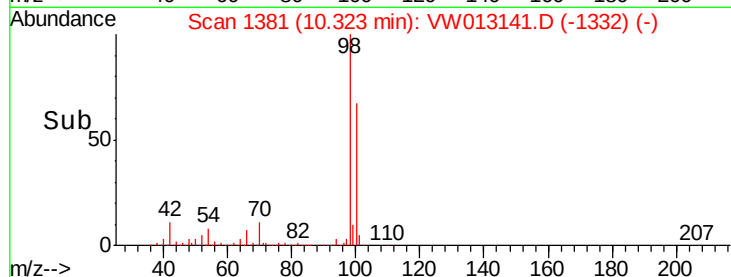
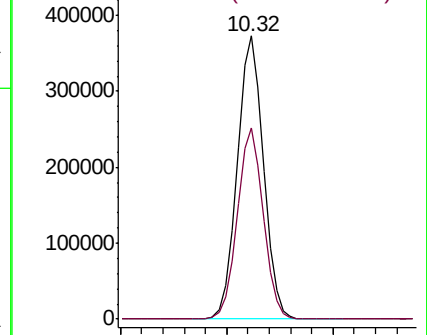
98 100

100 66.8 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.155 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW013141.D

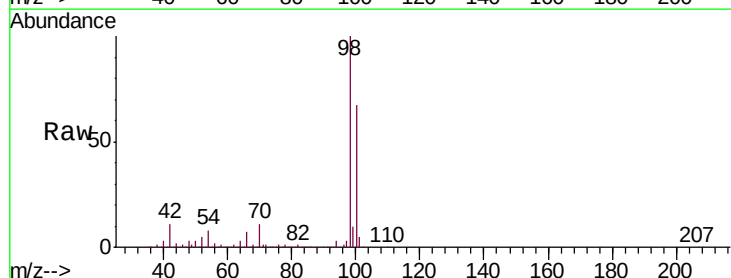
Acq: 19 Sep 2019 04:58

Tgt Ion: 43 Resp: 2754

Ion Ratio Lower Upper

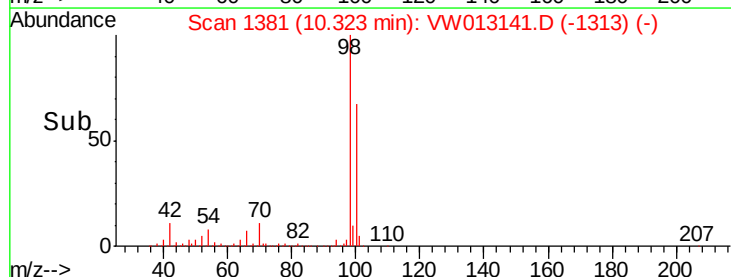
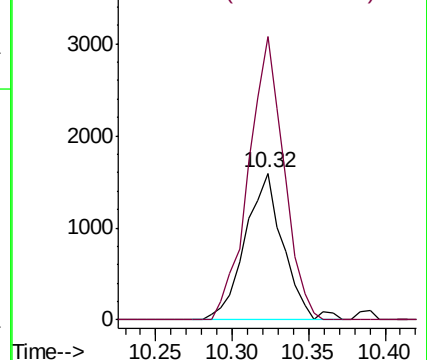
43 100

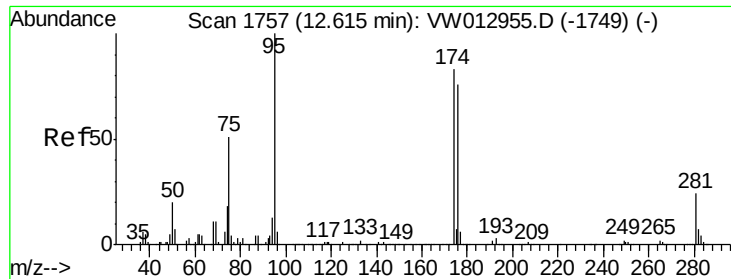
58 180.0 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

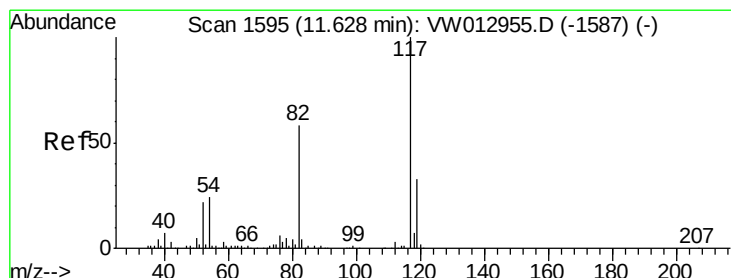
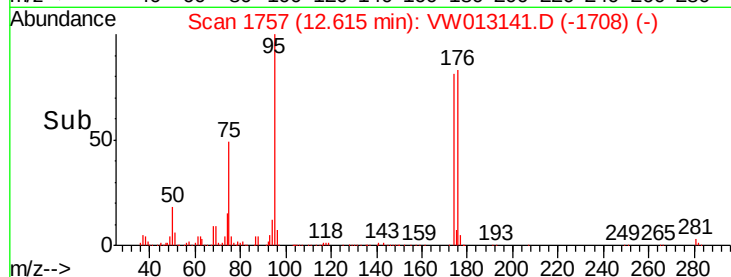
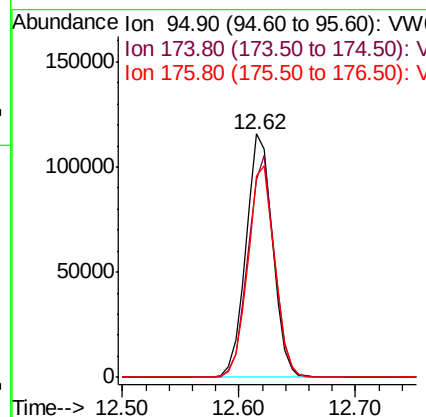
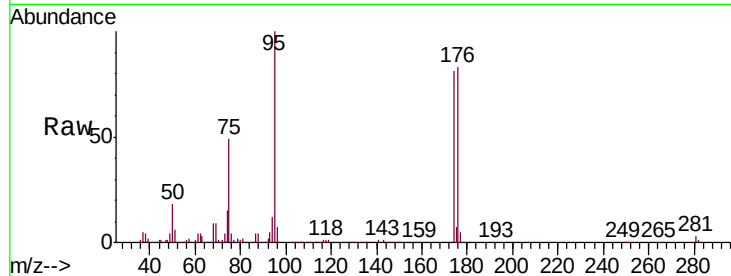




#62
4-Bromofluorobenzene
Concen: 42.756 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013141.D
Acq: 19 Sep 2019 04:58

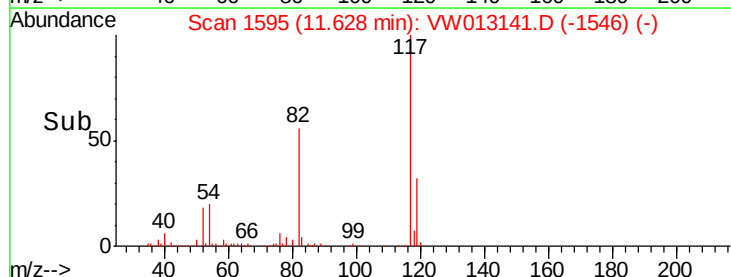
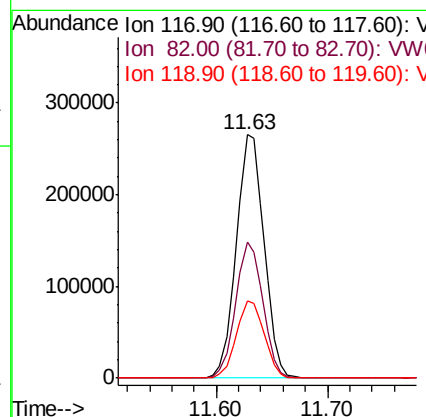
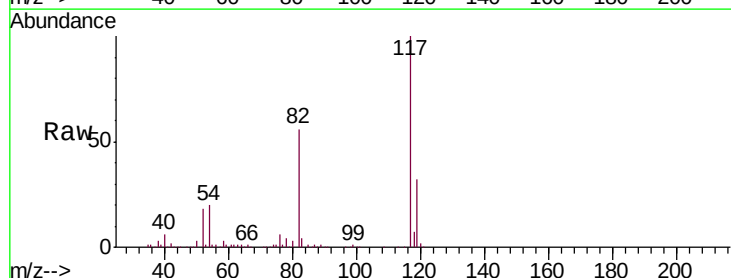
Instrument :
MSVOA_W
ClientSampleId :
WC-2

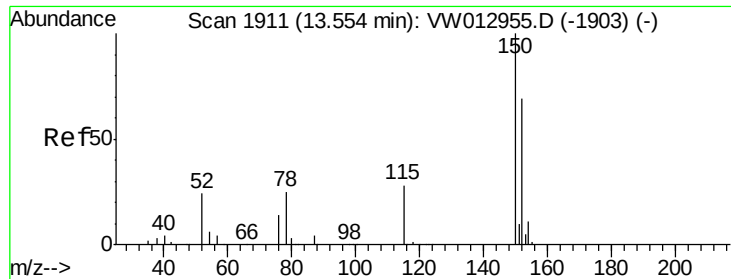
Tgt Ion: 95 Resp: 185162
Ion Ratio Lower Upper
95 100
174 90.2 0.0 170.4
176 87.4 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013141.D
Acq: 19 Sep 2019 04:58

Tgt Ion: 117 Resp: 457081
Ion Ratio Lower Upper
117 100
82 55.9 46.3 69.5
119 31.6 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: VW013141.D

Acq: 19 Sep 2019 04:58

Instrument :

MSVOA_W

ClientSampled :

WC-2

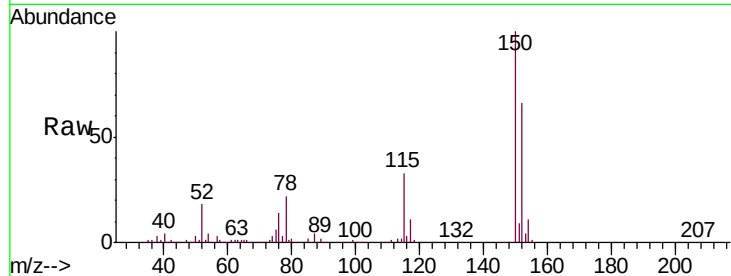
Tgt Ion:152 Resp: 174802

Ion Ratio Lower Upper

152 100

115 55.0 28.8 86.4

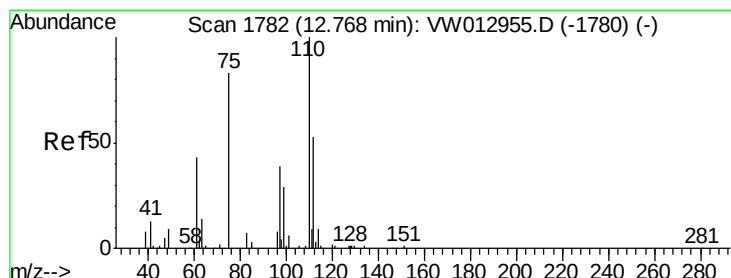
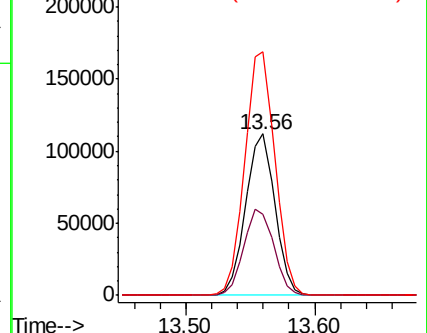
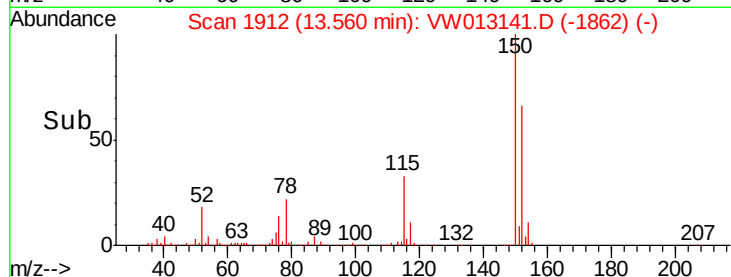
150 156.3 0.0 340.2



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: 58.258 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013141.D

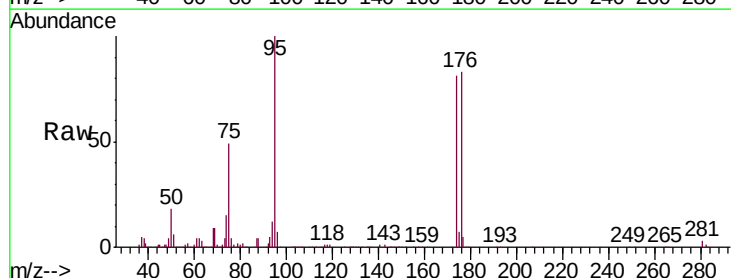
Acq: 19 Sep 2019 04:58

Tgt Ion: 75 Resp: 89201

Ion Ratio Lower Upper

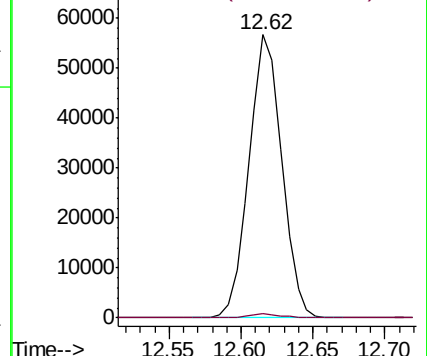
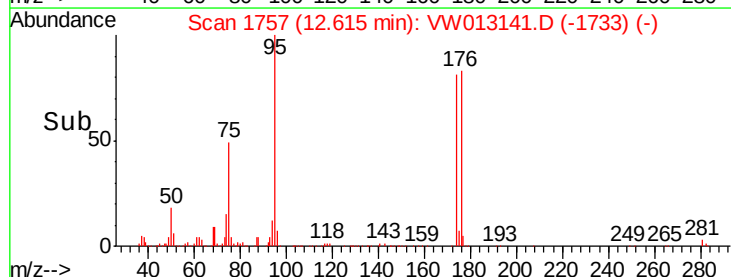
75 100

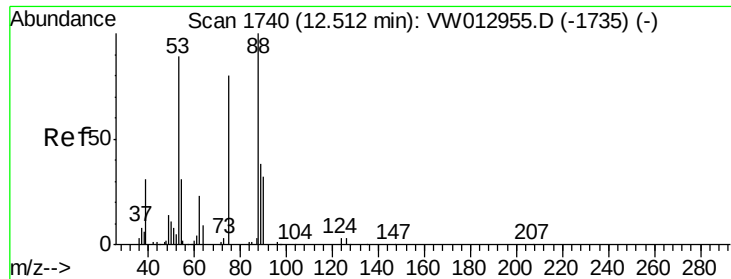
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 132.158 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013141.D

Acq: 19 Sep 2019 04:58

Instrument :

MSVOA_W

ClientSampleId :

WC-2

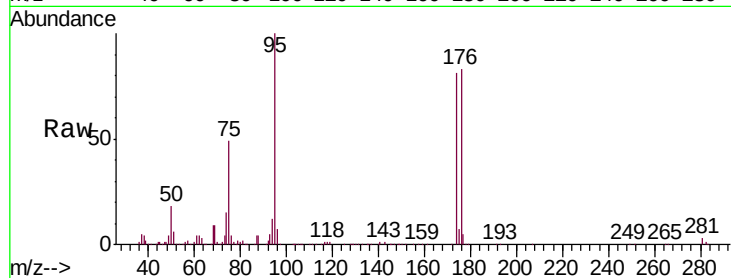
Tgt Ion: 75 Resp: 89201

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

