

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
 Data File : VW013074.D
 Acq On : 17 Sep 2019 07:06
 Operator : SY/VA
 Sample : K4889-01
 Misc : 3.86G/5ML/MSVOA_W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DRUM-COMP

Quant Time: Sep 17 08:48:09 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	335881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	517790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	412855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	158140	50.00	ug/l	0.00

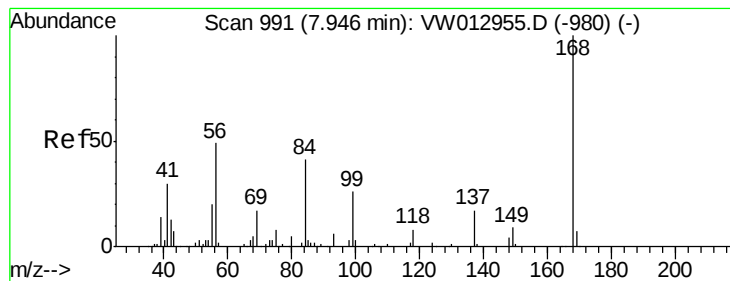
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	171095	55.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.30%	
35) Dibromofluoromethane	7.88	113	144589	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
50) Toluene-d8	10.32	98	598569	54.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.88%	
62) 4-Bromofluorobenzene	12.62	95	176743	44.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.96	85	19	Below Cal	#	44
3) Chloromethane	2.20	50	432	Below Cal	#	41
11) Tert butyl alcohol	5.19	59	162	Below Cal	#	90
13) Acrolein	3.93	56	44	Below Cal	#	1
16) Acetone	4.14	43	3775	Below Cal		90
20) Methylene Chloride	4.92	84	10685	Below Cal		94
26) 2,2-Dichloropropane	7.17	77	108	Below Cal	#	55
31) Cyclohexane	7.94	56	7059	Below Cal	#	8
36) 1,1-Dichloropropene	7.95	75	24115	5.828	ug/l #	51
38) Carbon Tetrachloride	7.95	117	31017	7.315	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	3276	1.505	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	91717	66.213	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	91717	150.203	ug/l #	7

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013074.D

Acq: 17 Sep 2019 07:06

Instrument :

MSVOA_W

ClientSampleId :

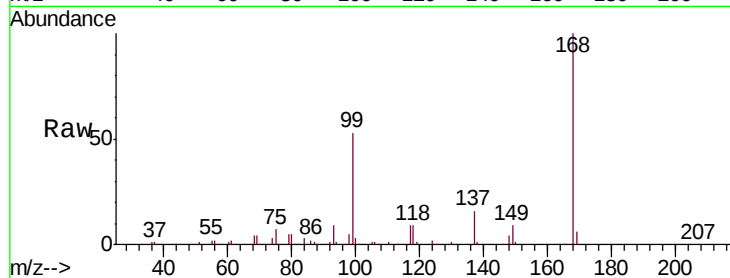
DRUM-COMP

Tgt Ion:168 Resp: 335881

Ion Ratio Lower Upper

168 100

99 53.0 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

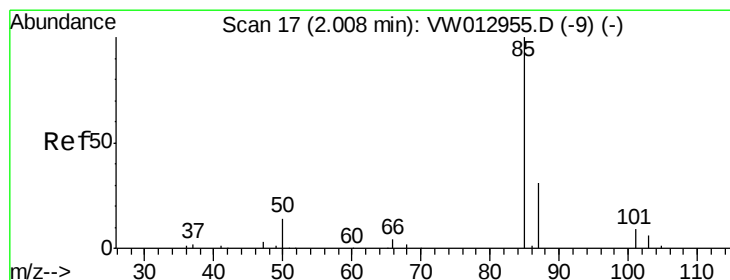
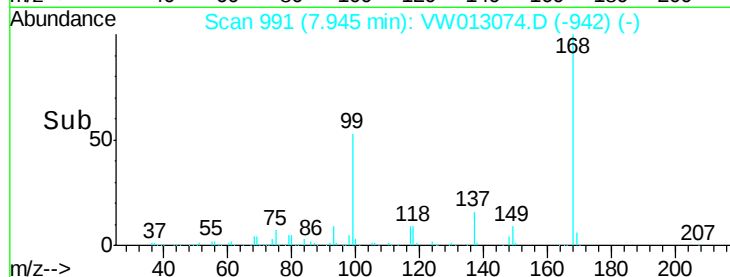
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.96 min Scan# 10

Delta R.T. -0.04 min

Lab File: VW013074.D

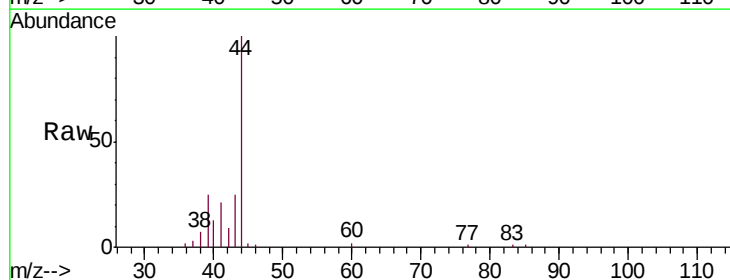
Acq: 17 Sep 2019 07:06

Tgt Ion: 85 Resp: 19

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

1.96

60

50

40

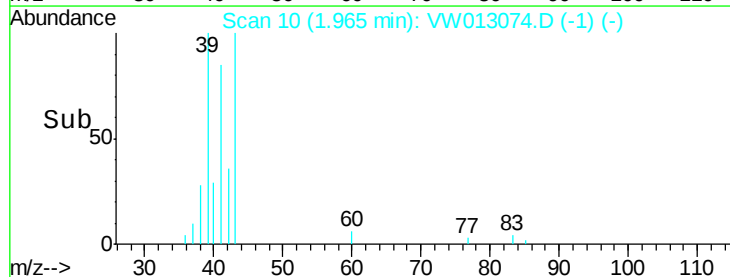
30

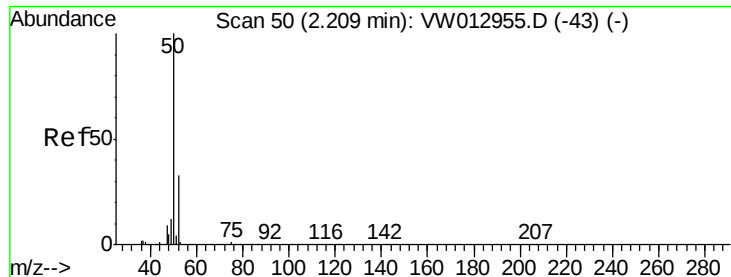
20

10

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013074.D

Acq: 17 Sep 2019 07:06

Instrument :

MSVOA_W

ClientSampleId :

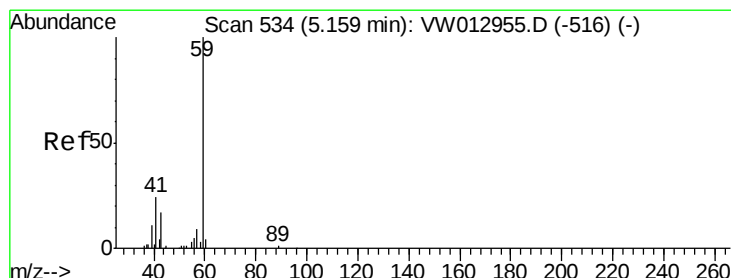
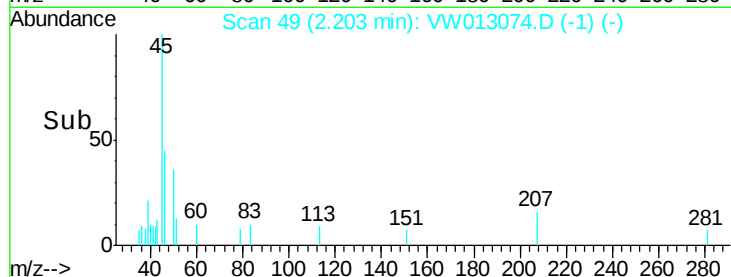
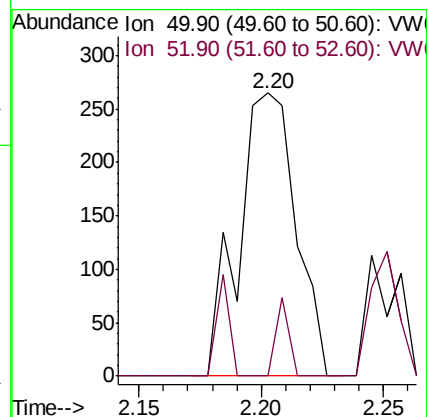
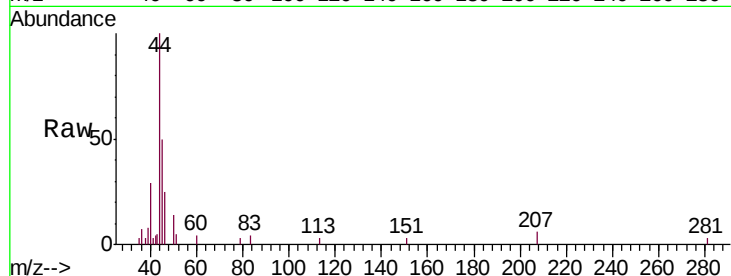
DRUM-COMP

Tgt Ion: 50 Resp: 432

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 539

Delta R.T. 0.03 min

Lab File: VW013074.D

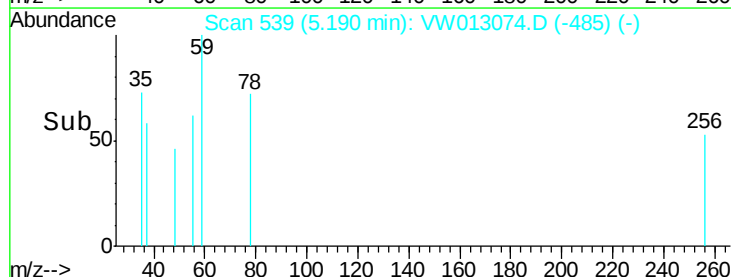
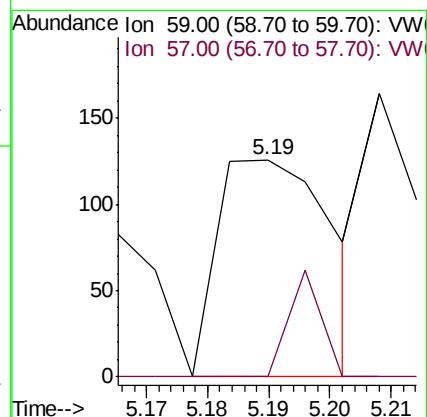
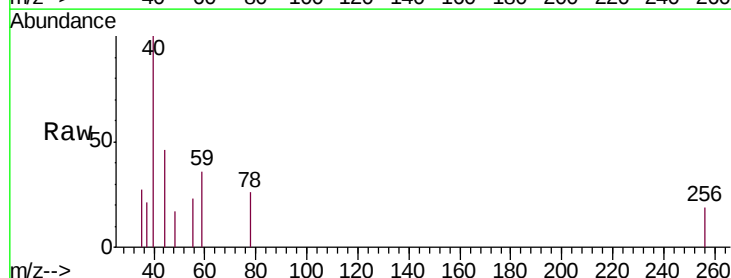
Acq: 17 Sep 2019 07:06

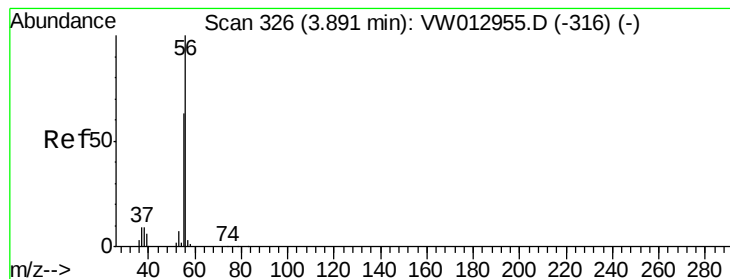
Tgt Ion: 59 Resp: 162

Ion Ratio Lower Upper

59 100

57 14.2 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.93 min Scan# 333

Delta R.T. 0.04 min

Lab File: VW013074.D

Acq: 17 Sep 2019 07:06

Instrument :

MSVOA_W

ClientSampleId :

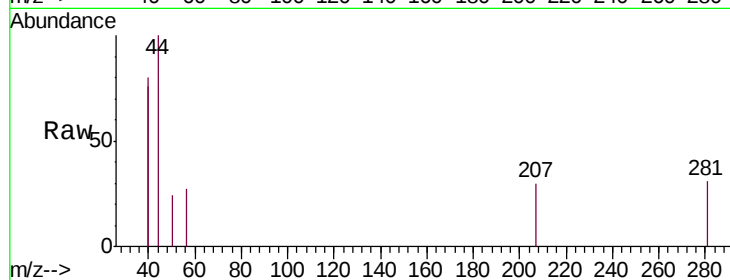
DRUM-COMP

Tgt Ion: 56 Resp: 44

Ion Ratio Lower Upper

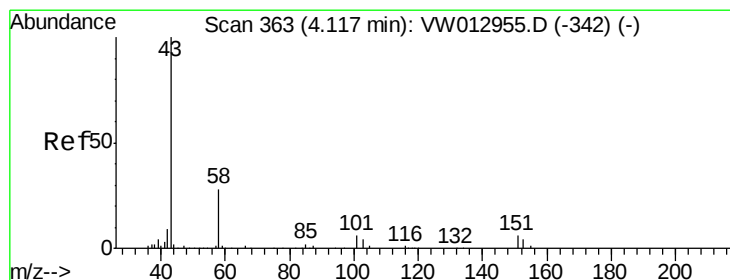
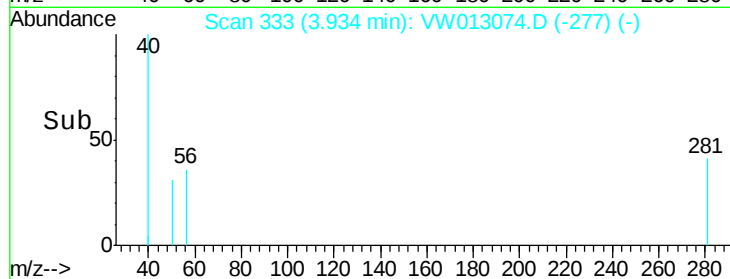
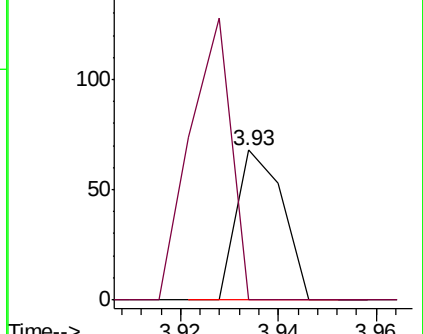
56 100

55 168.2 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013074.D

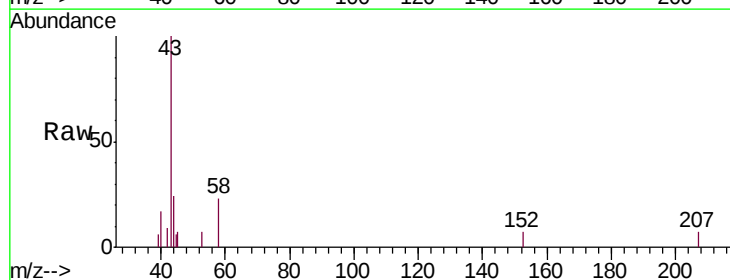
Acq: 17 Sep 2019 07:06

Tgt Ion: 43 Resp: 3775

Ion Ratio Lower Upper

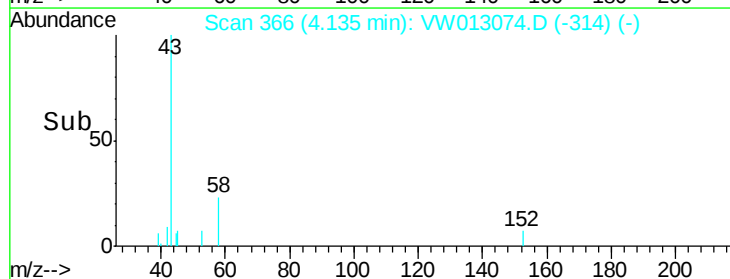
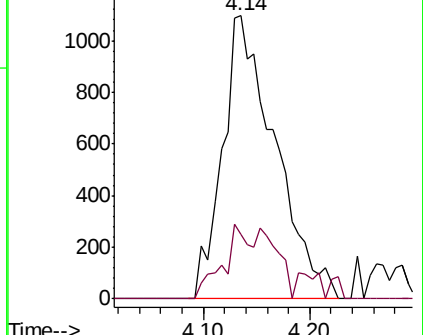
43 100

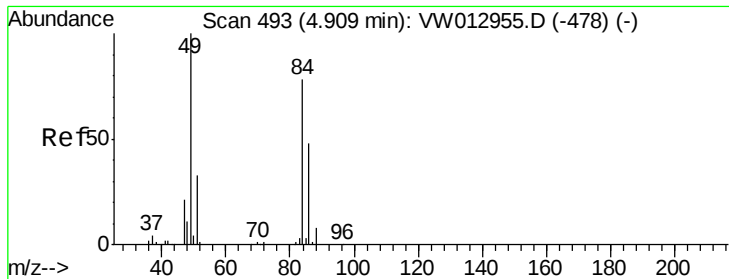
58 22.9 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW013074.D

Acq: 17 Sep 2019 07:06

Instrument :

MSVOA_W

ClientSampleId :

DRUM-COMP

Tgt Ion: 84 Resp: 10685

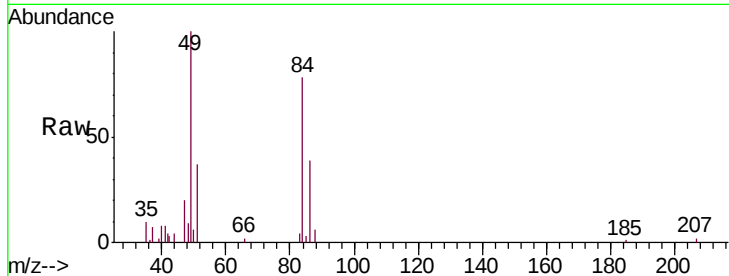
Ion Ratio Lower Upper

84 100

49 126.0 102.0 153.0

51 47.6 34.0 51.0

86 49.3 48.5 72.7

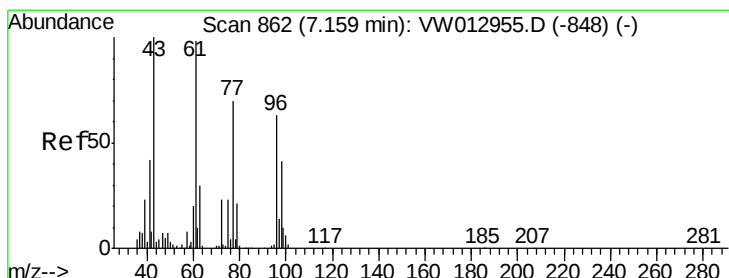
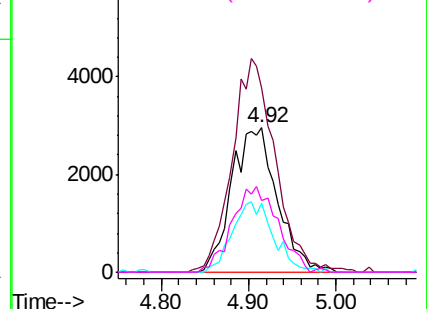
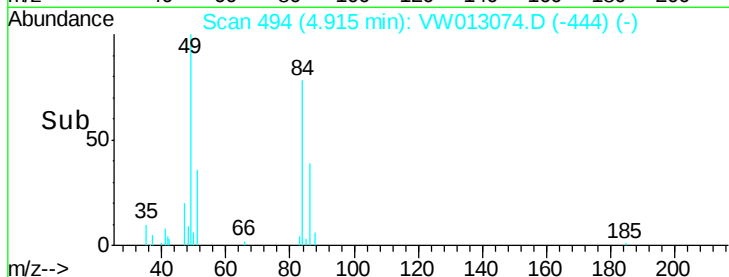


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013074.D

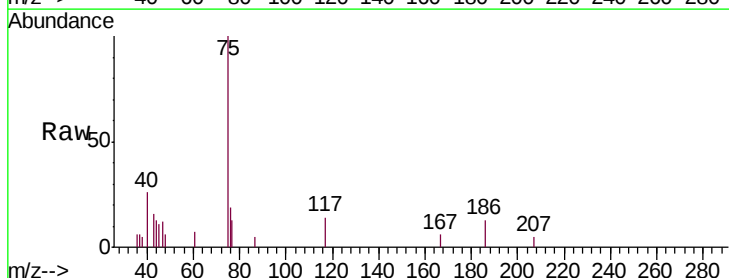
Acq: 17 Sep 2019 07:06

Tgt Ion: 77 Resp: 108

Ion Ratio Lower Upper

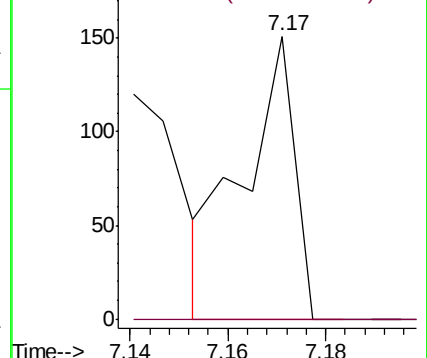
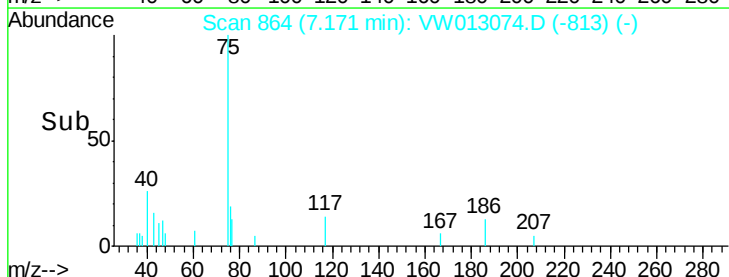
77 100

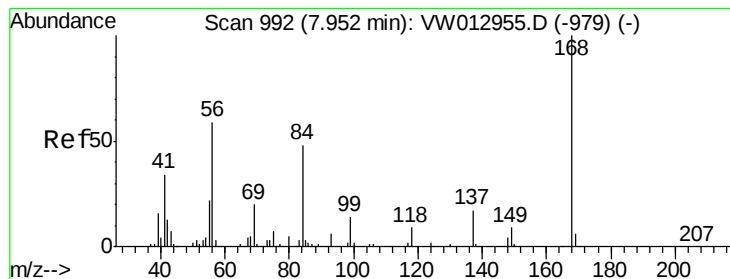
97 0.0 10.7 32.1#



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: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013074.D

Acq: 17 Sep 2019 07:06

Instrument :

MSVOA_W

ClientSampleId :

DRUM-COMP

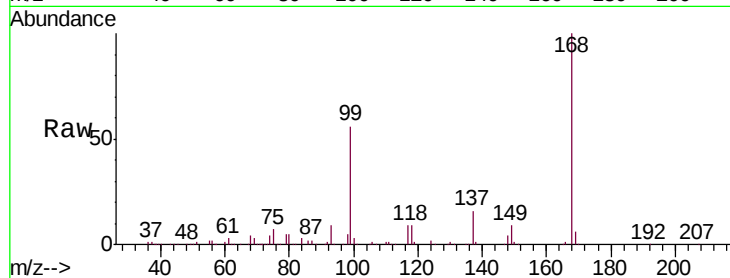
Tgt Ion: 56 Resp: 7059

Ion Ratio Lower Upper

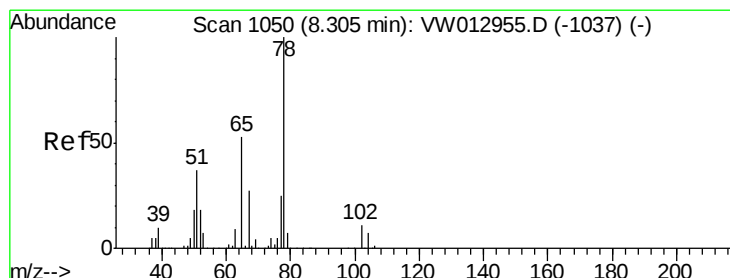
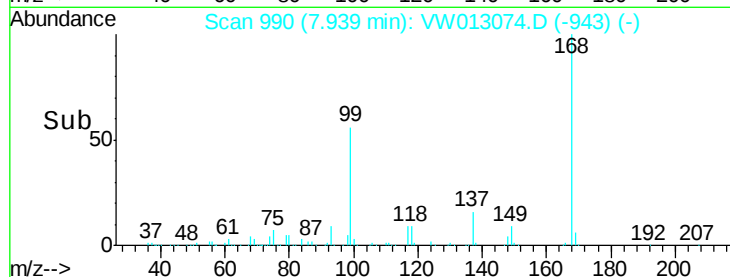
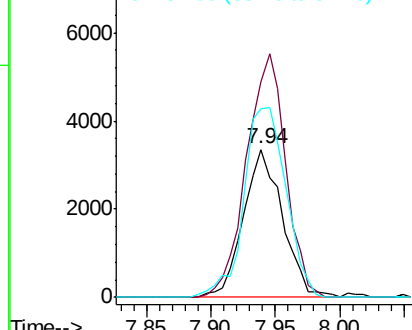
56 100

69 145.4 27.0 40.6#

84 127.8 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: 55.155 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013074.D

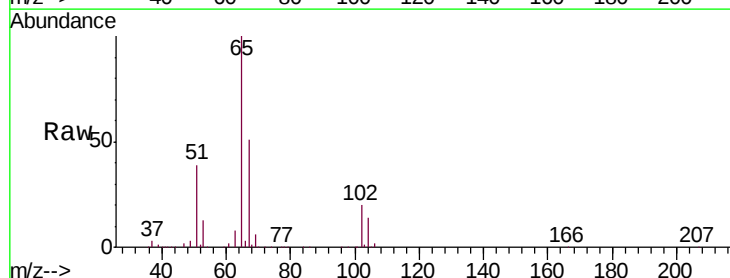
Acq: 17 Sep 2019 07:06

Tgt Ion: 65 Resp: 171095

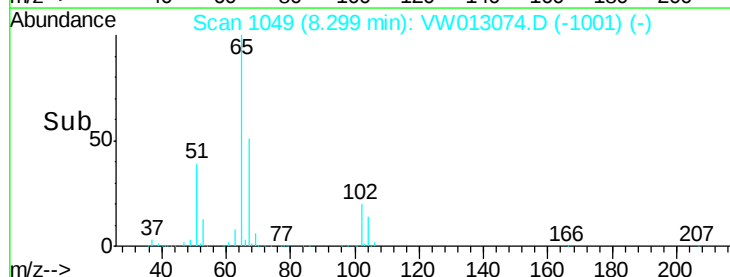
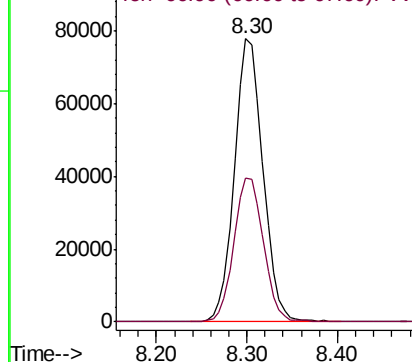
Ion Ratio Lower Upper

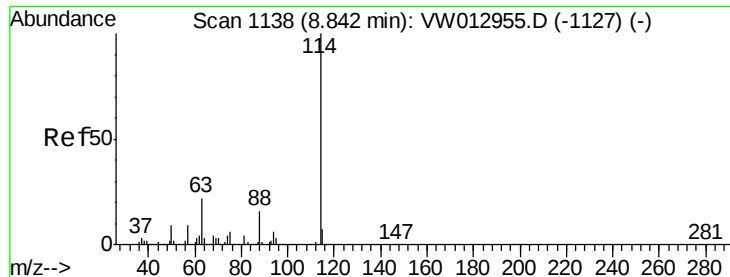
65 100

67 52.7 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

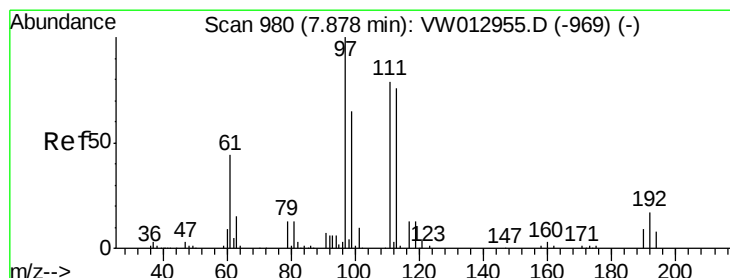
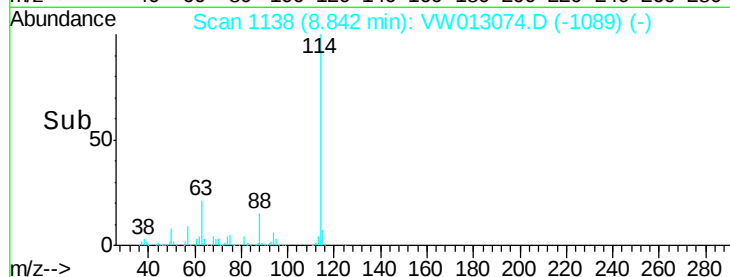
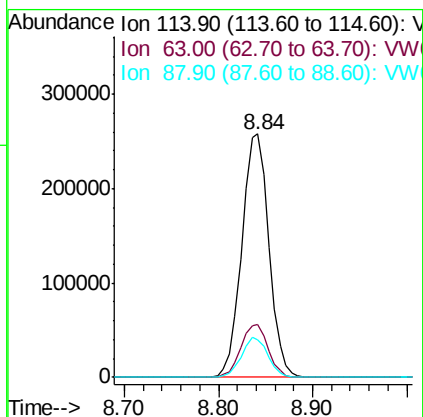
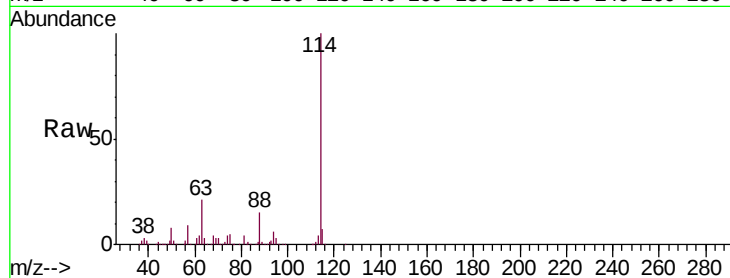




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013074.D
 Acq: 17 Sep 2019 07:06

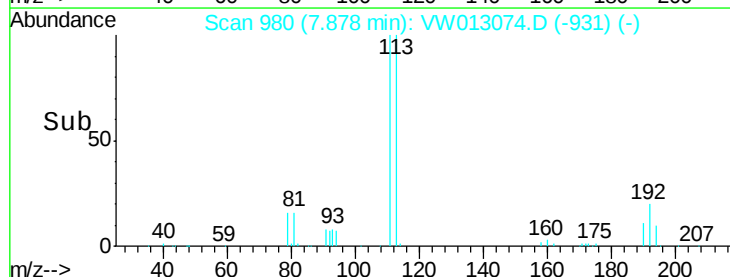
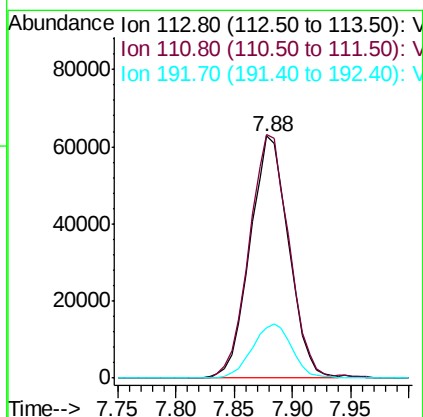
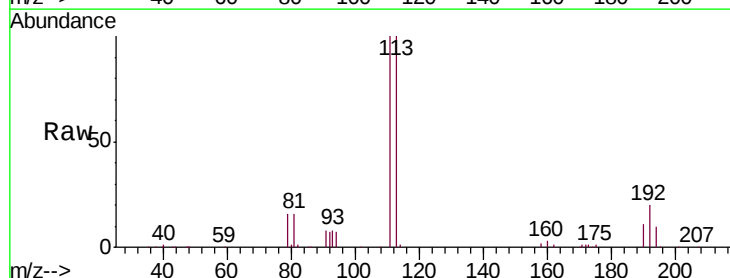
Instrument :
 MSVOA_W
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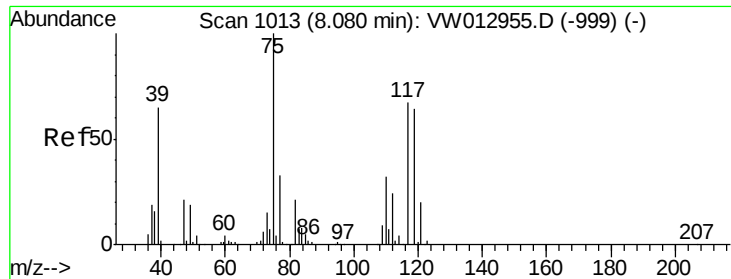
Tgt Ion:114 Resp: 517790
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.4
 88 15.5 0.0 31.6



#35
 Dibromofluoromethane
 Concen: 51.463 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013074.D
 Acq: 17 Sep 2019 07:06

Tgt Ion:113 Resp: 144589
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.8 124.2
 192 23.0 17.8 26.8

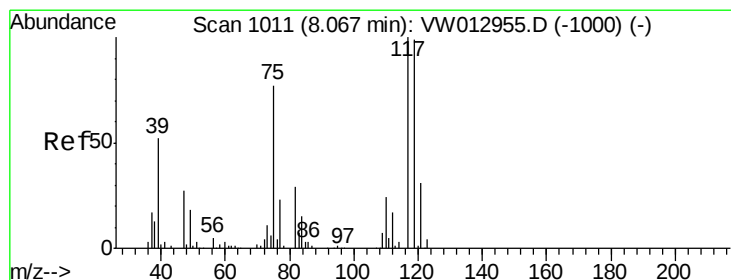
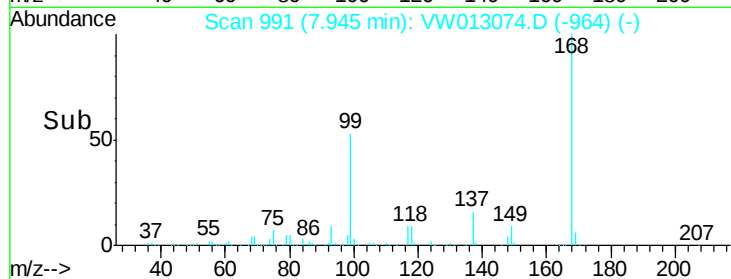
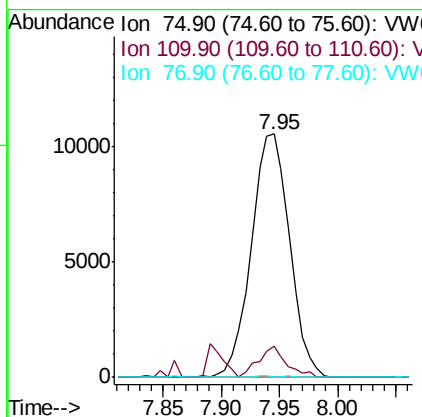
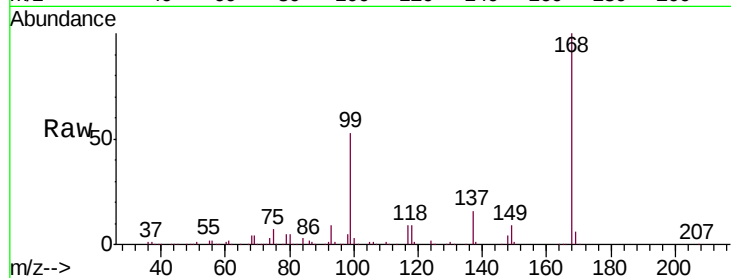




#36
 1,1-Dichloropropene
 Concen: 5.828 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013074.D
 Acq: 17 Sep 2019 07:06

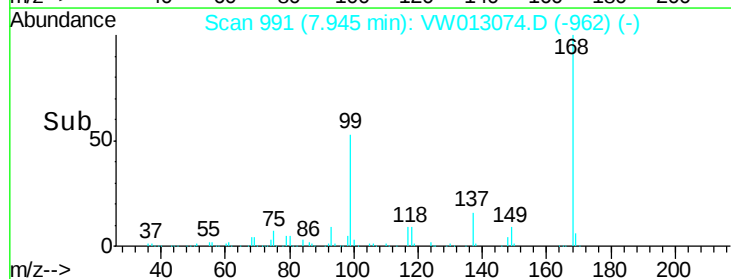
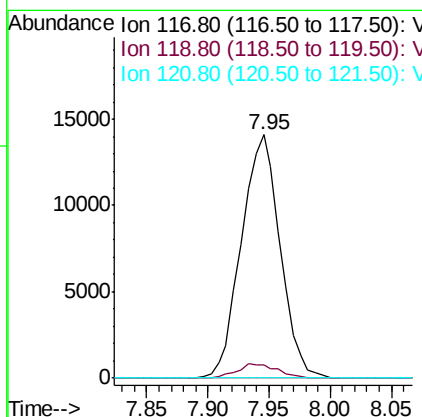
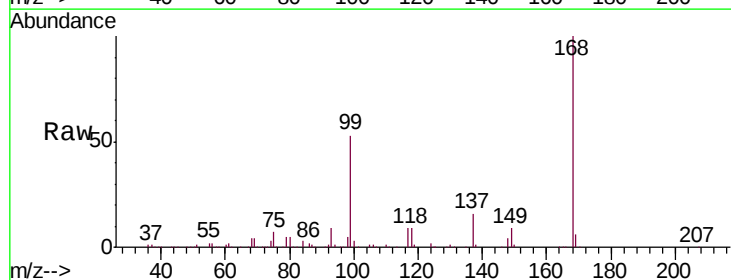
Instrument :
 MSVOA_W
 ClientSampleId :
 DRUM-COMP

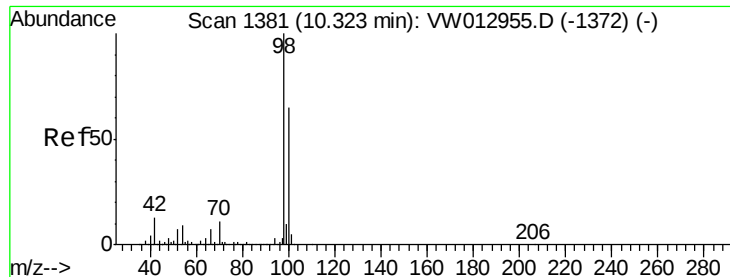
Tgt Ion: 75 Resp: 24115
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.4 49.1#
 77 0.2 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.315 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013074.D
 Acq: 17 Sep 2019 07:06

Tgt Ion: 117 Resp: 31017
 Ion Ratio Lower Upper
 117 100
 119 5.5 79.4 119.0#
 121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 54.444 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013074.D

Acq: 17 Sep 2019 07:06

Instrument :

MSVOA_W

ClientSampleId :

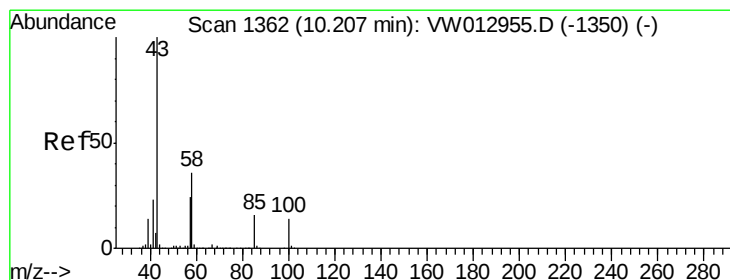
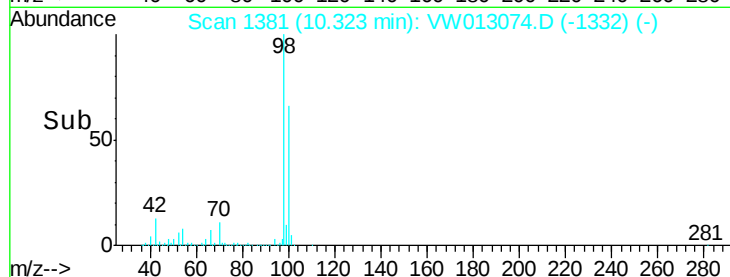
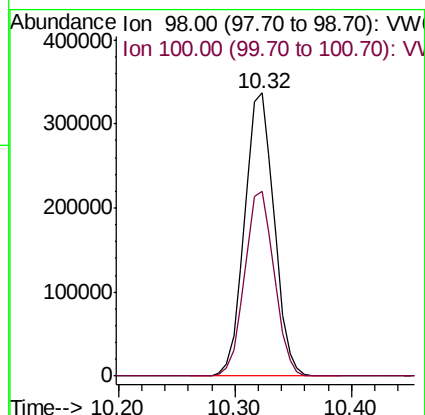
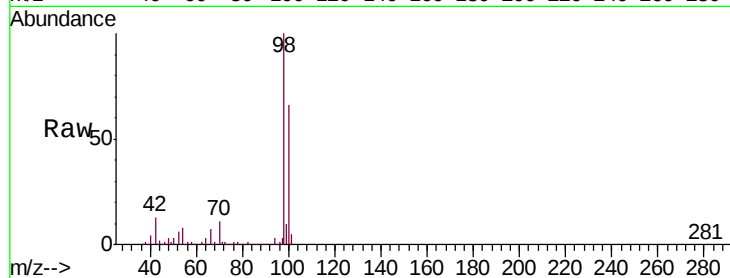
DRUM-COMP

Tgt Ion: 98 Resp: 598569

Ion Ratio Lower Upper

98 100

100 65.6 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 1.505 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW013074.D

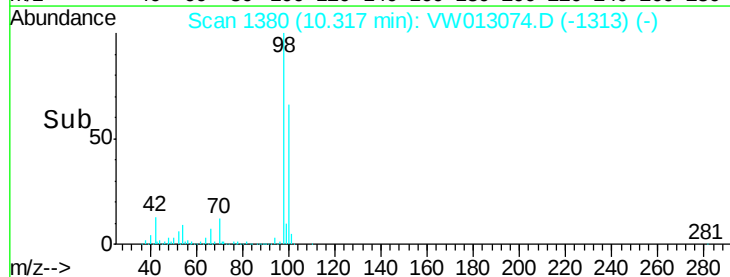
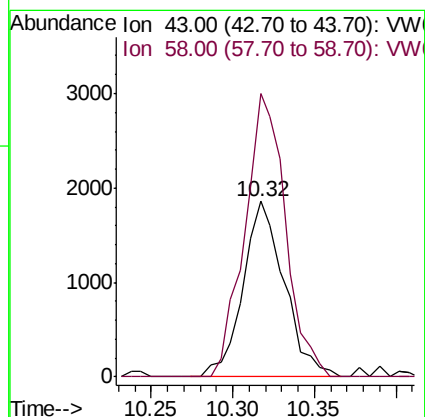
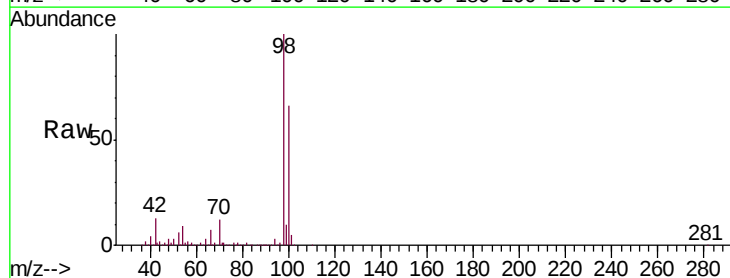
Acq: 17 Sep 2019 07:06

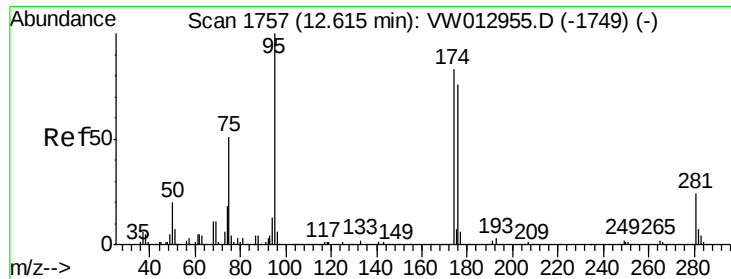
Tgt Ion: 43 Resp: 3276

Ion Ratio Lower Upper

43 100

58 159.1 29.5 44.3#

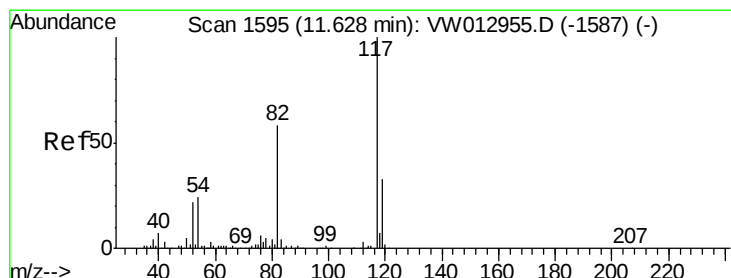
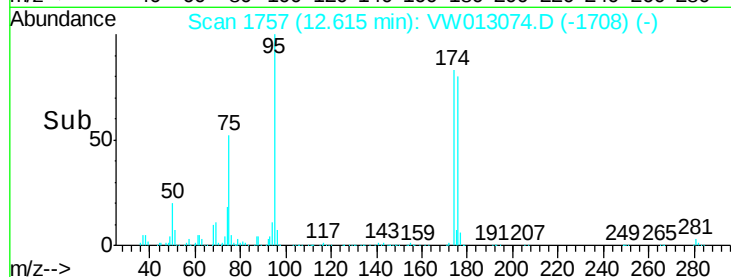
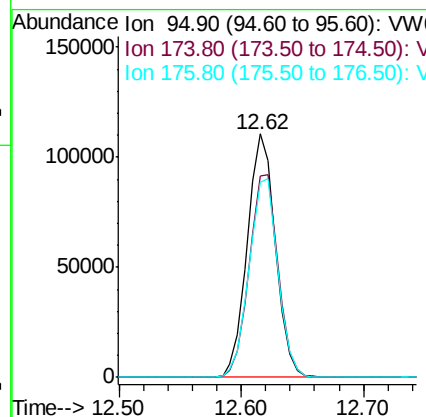
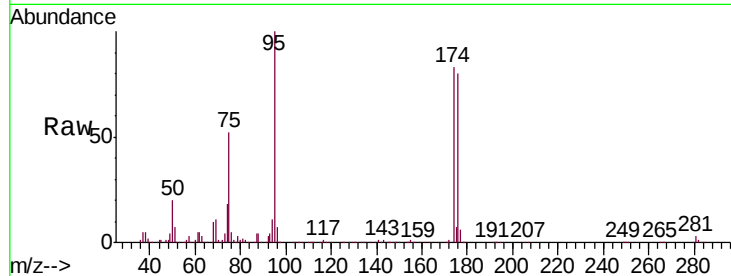




#62
4-Bromofluorobenzene
Concen: 44.708 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013074.D
Acq: 17 Sep 2019 07:06

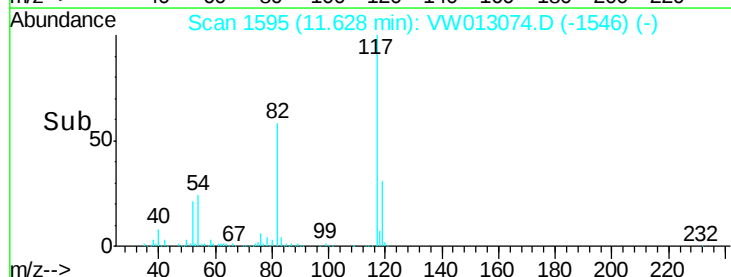
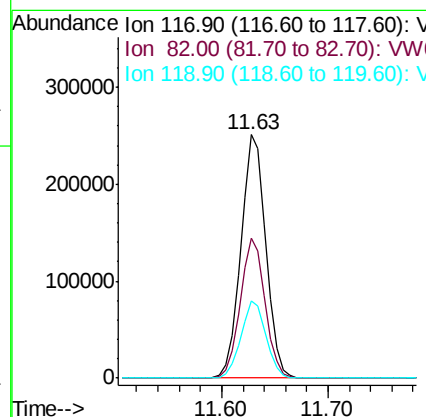
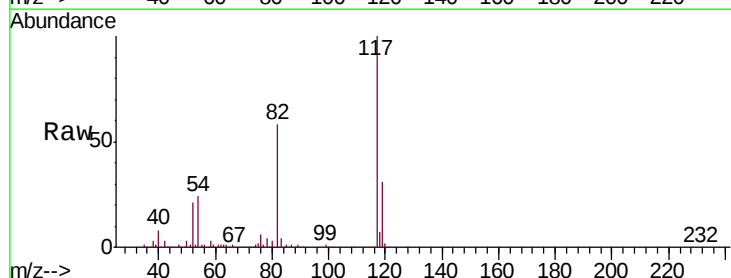
Instrument :
MSVOA_W
ClientSampleId :
DRUM-COMP

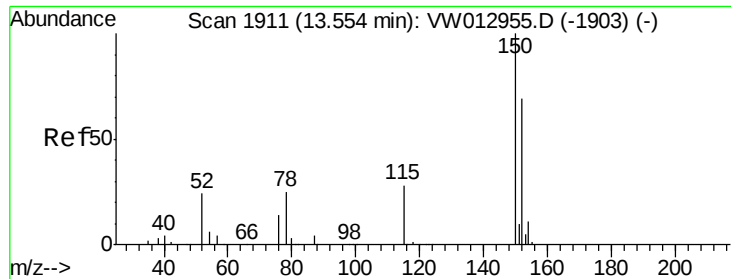
Tgt Ion: 95 Resp: 176743
Ion Ratio Lower Upper
95 100
174 85.8 0.0 170.4
176 84.0 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013074.D
Acq: 17 Sep 2019 07:06

Tgt Ion: 117 Resp: 412855
Ion Ratio Lower Upper
117 100
82 57.6 46.3 69.5
119 31.5 26.2 39.4



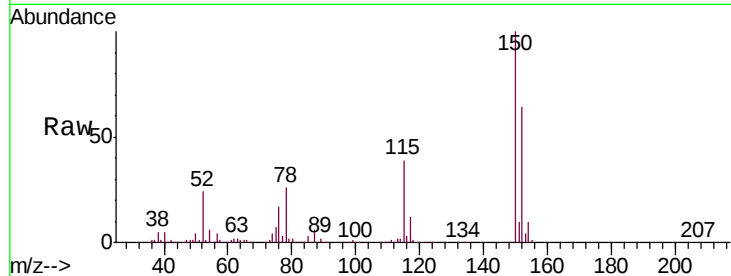


#72

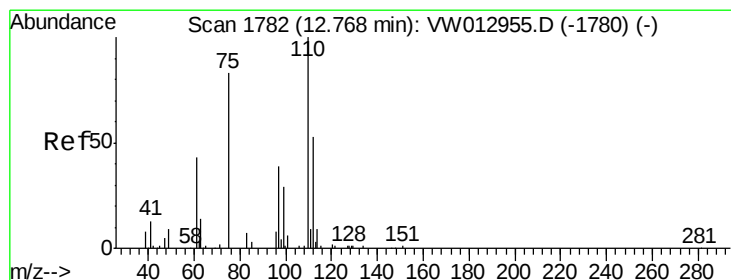
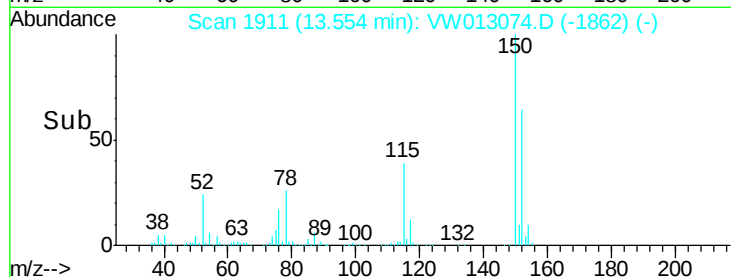
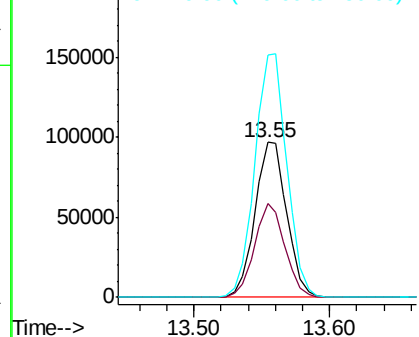
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013074.D
Acq: 17 Sep 2019 07:06

Instrument :
MSVOA_W
ClientSampleId :
DRUM-COMP

Tgt Ion:152 Resp: 158140
Ion Ratio Lower Upper
152 100
115 58.0 28.8 86.4
150 158.3 0.0 340.2



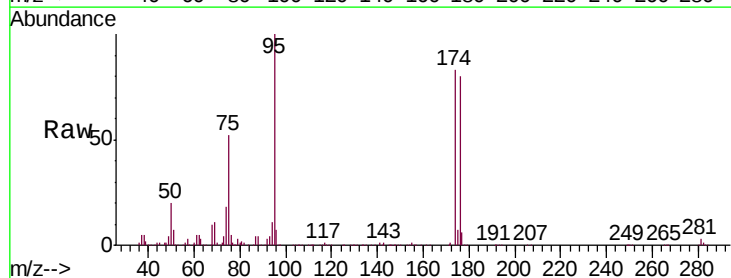
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



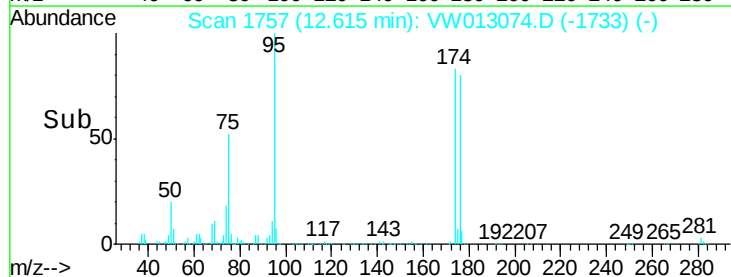
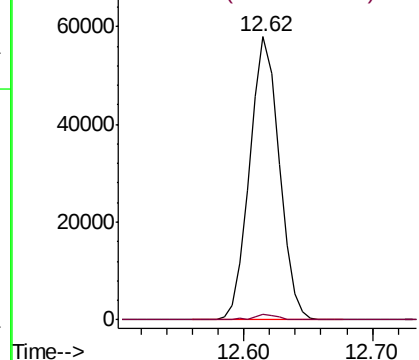
#76

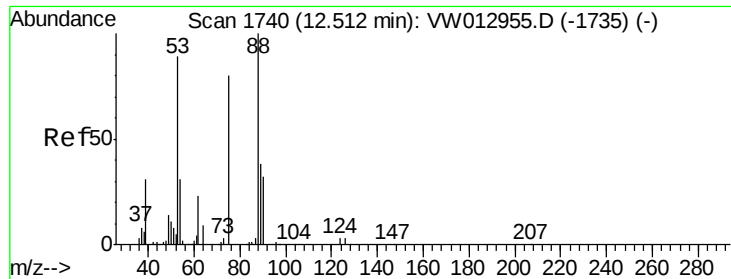
1,2,3-Trichloropropane
Concen: 66.213 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013074.D
Acq: 17 Sep 2019 07:06

Tgt Ion: 75 Resp: 91717
Ion Ratio Lower Upper
75 100
77 1.6 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: 150.203 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013074.D

Acq: 17 Sep 2019 07:06

Instrument :

MSVOA_W

ClientSampleId :

DRUM-COMP

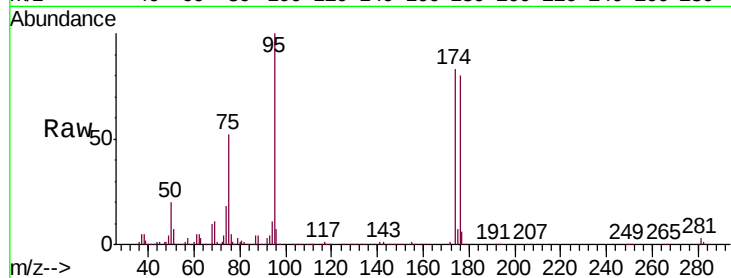
Tgt Ion: 75 Resp: 91717

Ion Ratio Lower Upper

75 100

53 0.1 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

