

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092419\
 Data File : VW013281.D
 Acq On : 24 Sep 2019 17:22
 Operator : SY/VA
 Sample : K5020-05
 Misc : 6.19G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT-5124

Quant Time: Sep 25 07:12:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	343858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	512815	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	430483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	190581	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	144684	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
35) Dibromofluoromethane	7.88	113	142421	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
50) Toluene-d8	10.32	98	597040	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	12.62	95	187507	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	

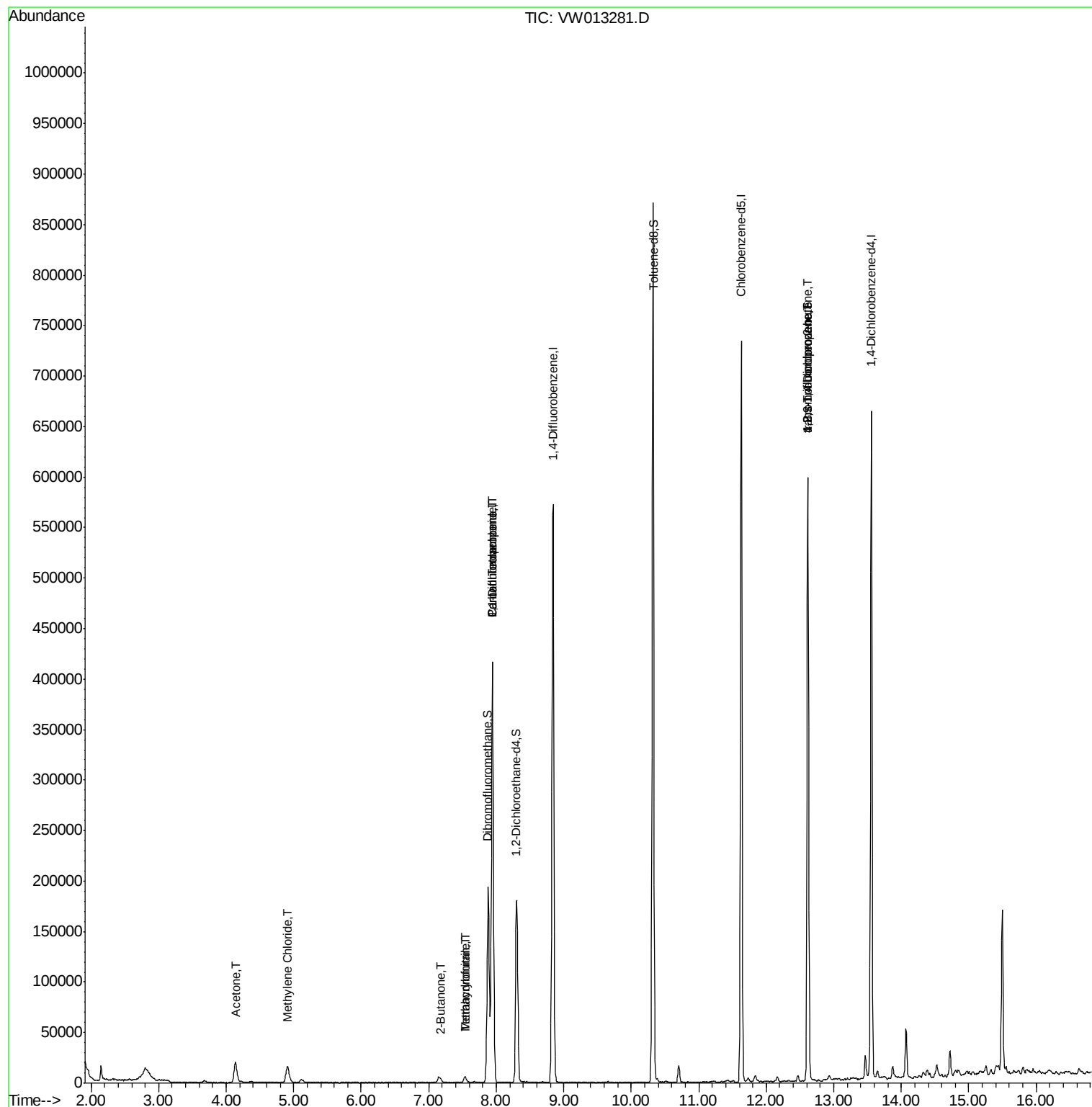
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	940	Below Cal	#	73
16) Acetone	4.14	43	41898	66.203	ug/l	94
20) Methylene Chloride	4.91	84	14233	1.585	ug/l	94
25) 2-Butanone	7.18	43	2375	2.500	ug/l #	90
26) 2,2-Dichloropropane	7.15	77	313	Below Cal	#	52
29) Tetrahydrofuran	7.53	42	5796	9.948	ug/l	98
36) 1,1-Dichloropropene	7.94	75	21534	4.335	ug/l #	48
38) Carbon Tetrachloride	7.95	117	28931	6.498	ug/l #	19
41) Methacrylonitrile	7.53	41	3154	2.503	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	88010	52.291	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	88010	117.336	ug/l #	12

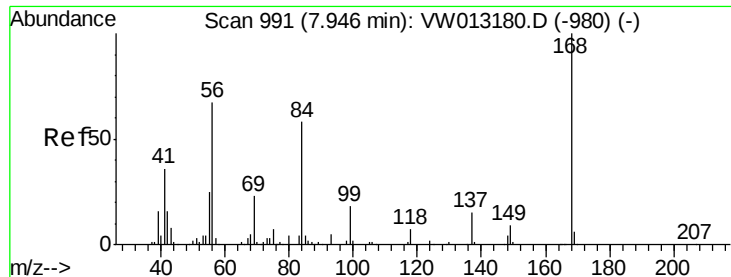
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092419\
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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: VW013281.D

Acq: 24 Sep 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

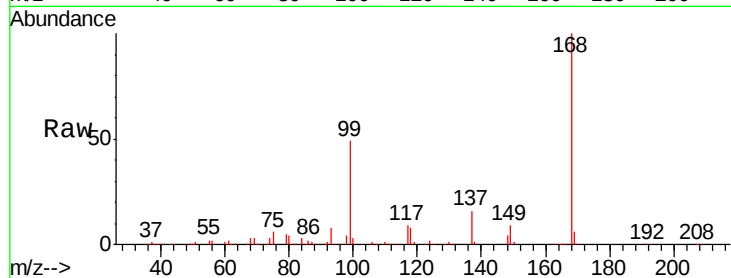
RT-5124

Tgt Ion: 168 Resp: 343858

Ion Ratio Lower Upper

168 100

99 49.4 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

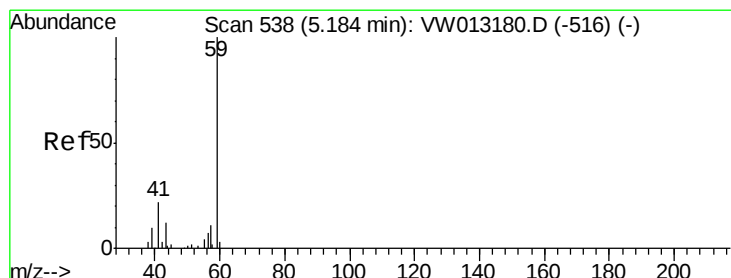
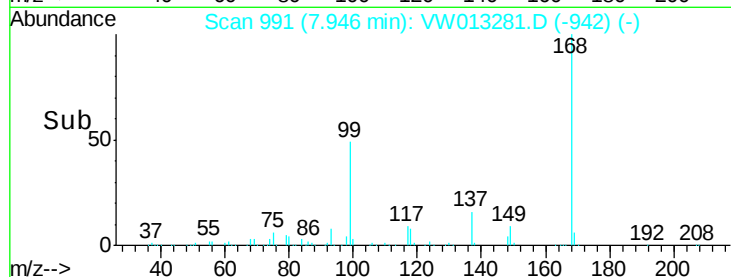
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 546

Delta R.T. 0.05 min

Lab File: VW013281.D

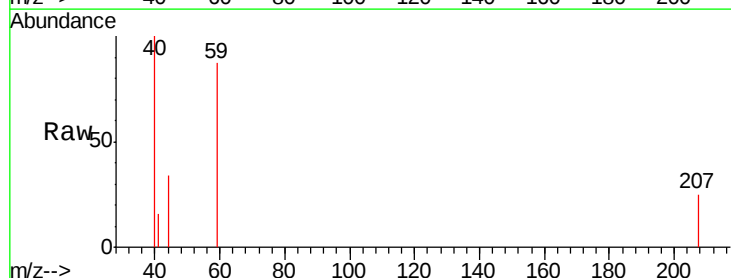
Acq: 24 Sep 2019 17:22

Tgt Ion: 59 Resp: 940

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.23

400

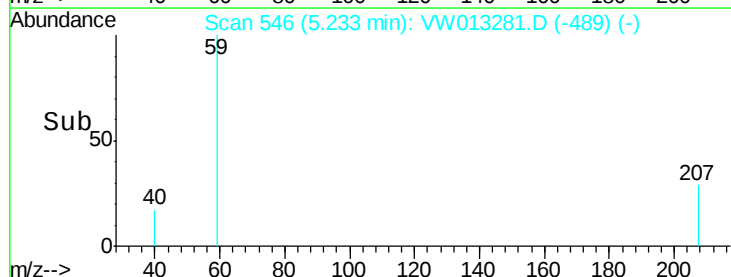
300

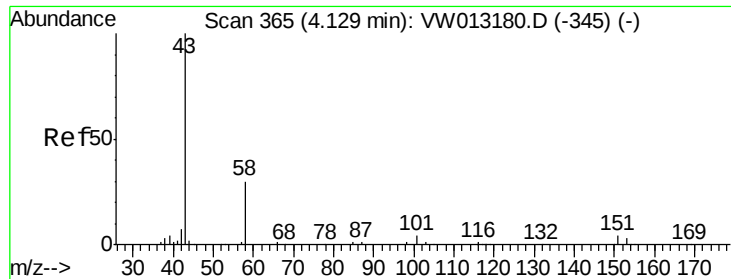
200

100

0

Time--> 5.20 5.25 5.30





#16

Acetone

Concen: 66.203 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW013281.D

Acq: 24 Sep 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

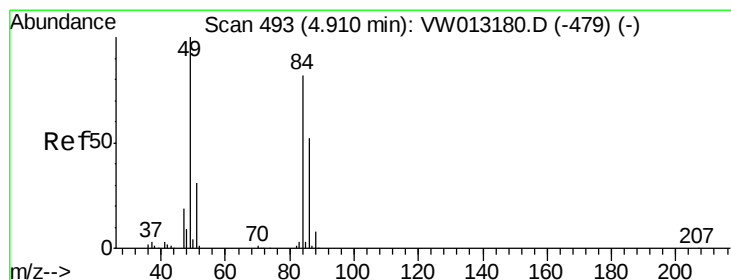
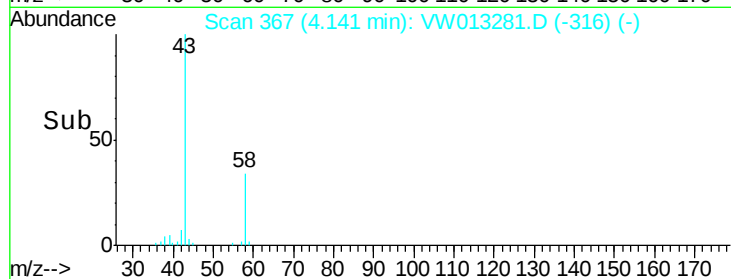
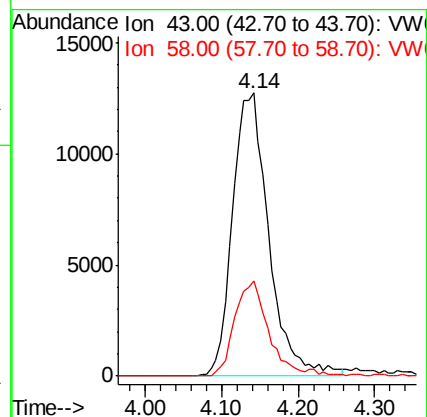
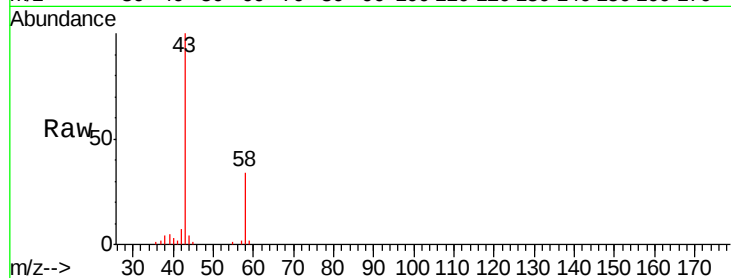
RT-5124

Tgt Ion: 43 Resp: 41898

Ion Ratio Lower Upper

43 100

58 33.6 24.1 36.1



#20

Methylene Chloride

Concen: 1.585 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013281.D

Acq: 24 Sep 2019 17:22

Tgt Ion: 84 Resp: 14233

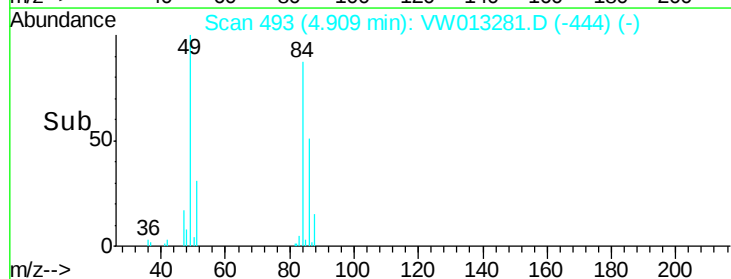
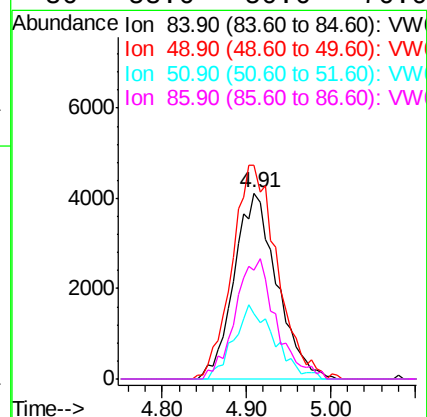
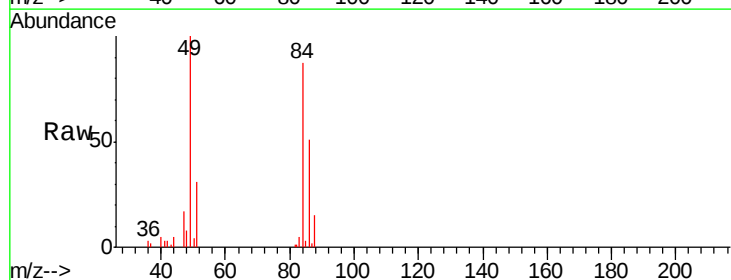
Ion Ratio Lower Upper

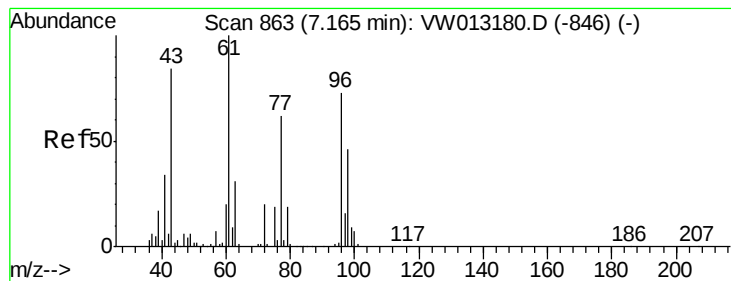
84 100

49 114.7 97.6 146.4

51 35.1 30.2 45.2

86 58.6 50.6 76.0





#25

2-Butanone

Concen: 2.500 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW013281.D

Acq: 24 Sep 2019 17:22

Instrument :

MSVOA_W

ClientSampled :

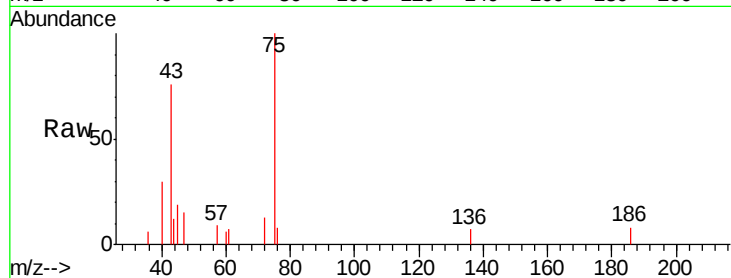
RT-5124

Tgt Ion: 43 Resp: 2375

Ion Ratio Lower Upper

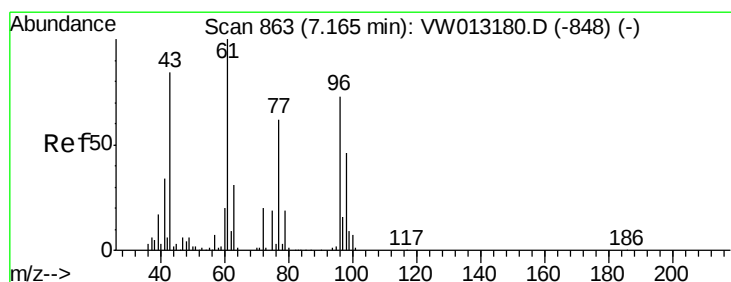
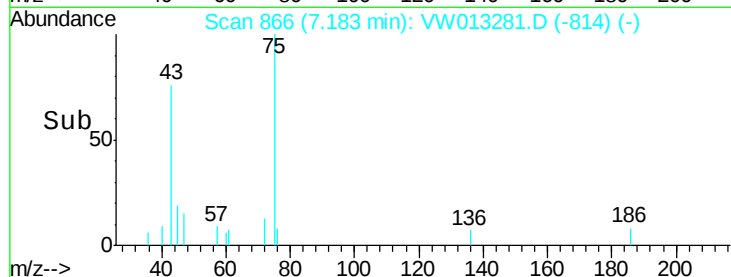
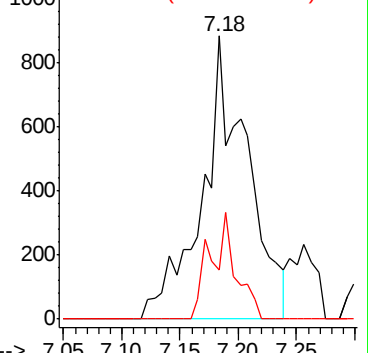
43 100

72 19.1 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013281.D

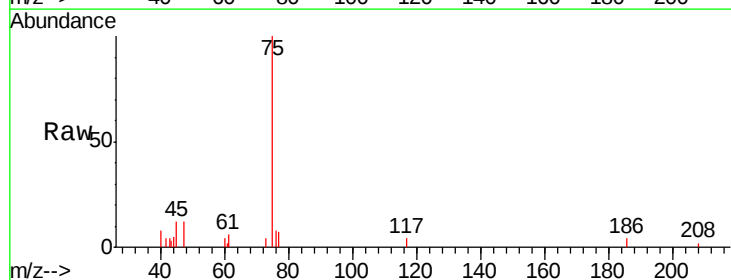
Acq: 24 Sep 2019 17:22

Tgt Ion: 77 Resp: 313

Ion Ratio Lower Upper

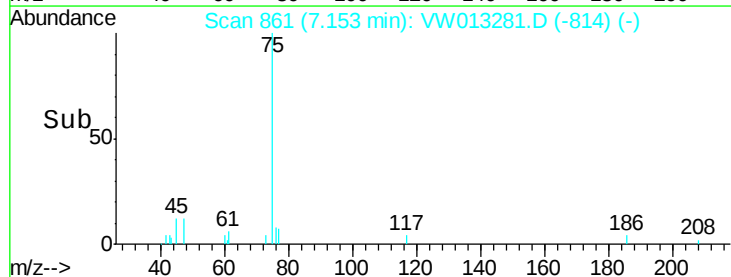
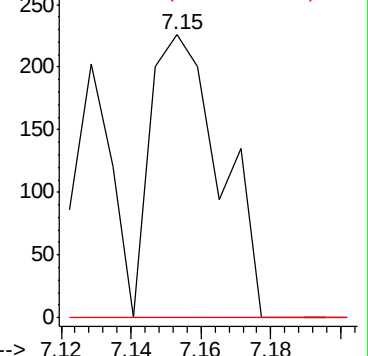
77 100

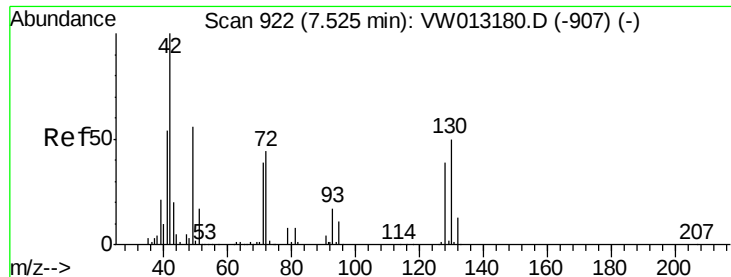
97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

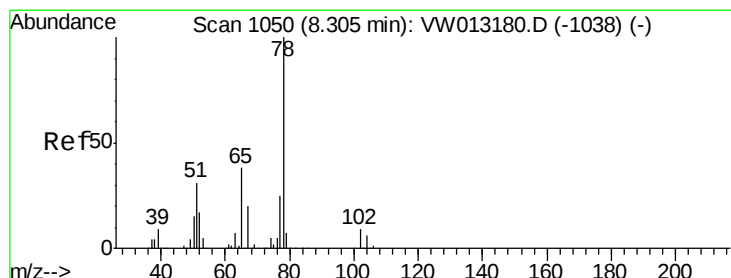
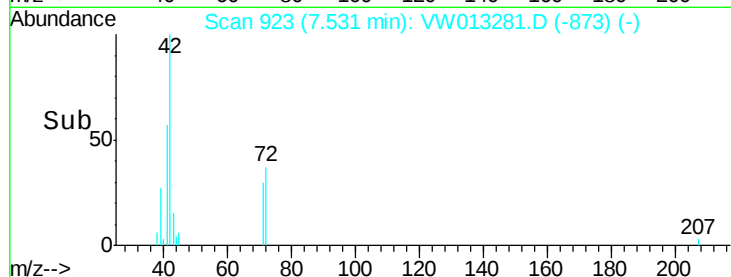
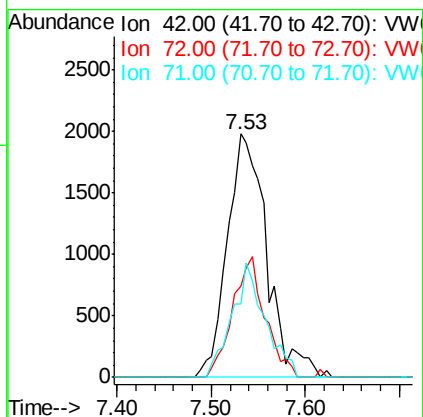
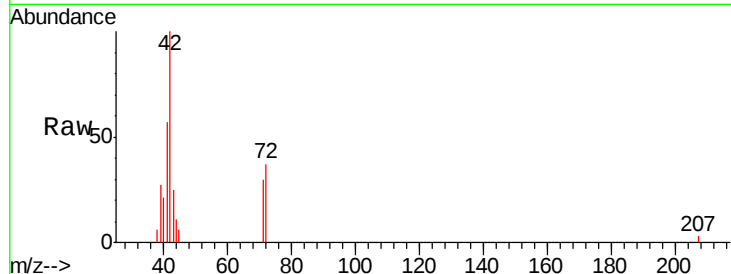




#29
Tetrahydrofuran
Concen: 9.948 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013281.D
Acq: 24 Sep 2019 17:22

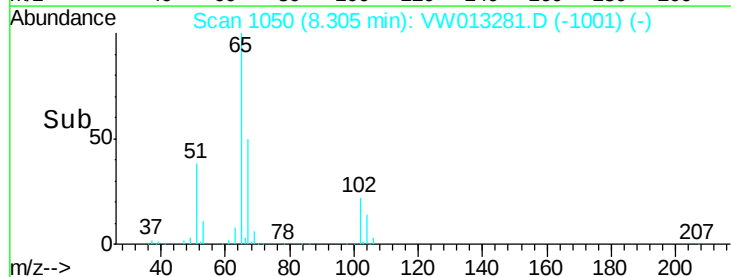
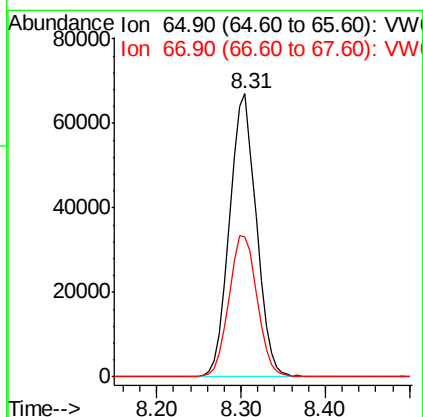
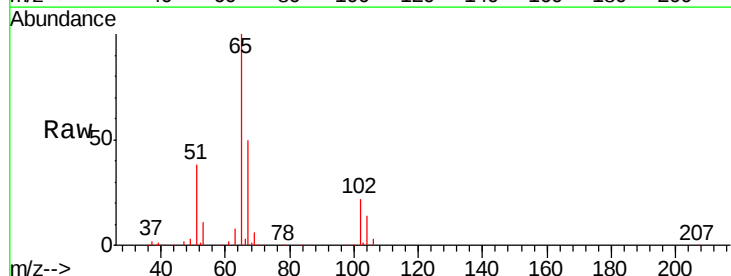
Instrument :
MSVOA_W
ClientSampled :
RT-5124

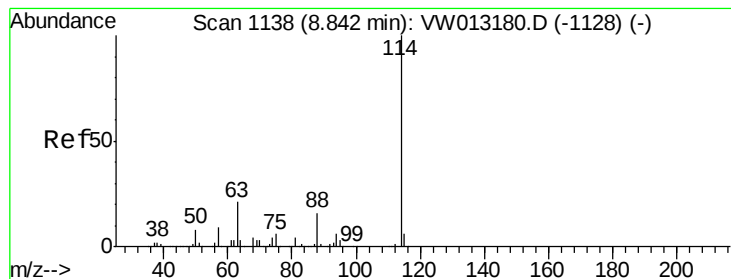
Tgt Ion: 42 Resp: 5796
Ion Ratio Lower Upper
42 100
72 40.7 33.9 50.9
71 39.3 31.9 47.9



#33
1,2-Dichloroethane-d4
Concen: 51.555 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW013281.D
Acq: 24 Sep 2019 17:22

Tgt Ion: 65 Resp: 144684
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013281.D

Acq: 24 Sep 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

RT-5124

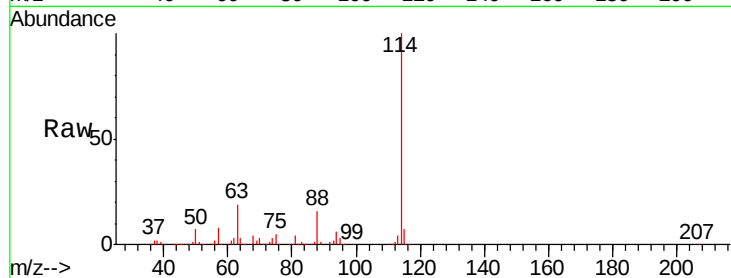
Tgt Ion:114 Resp: 512815

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.4

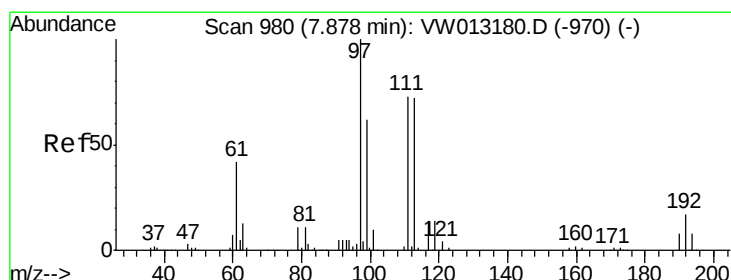
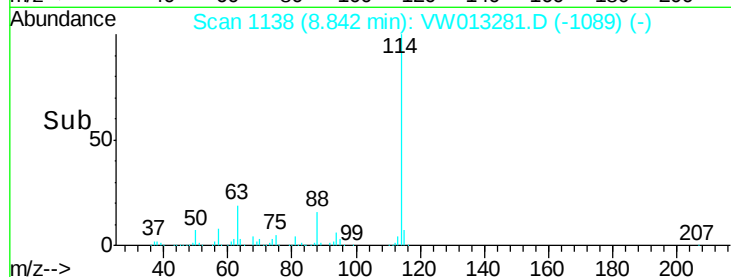
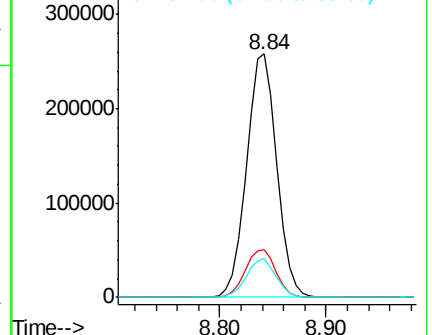
88 15.9 0.0 32.0



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: 50.495 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013281.D

Acq: 24 Sep 2019 17:22

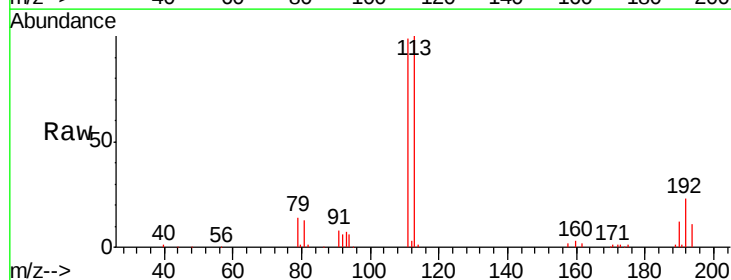
Tgt Ion:113 Resp: 142421

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

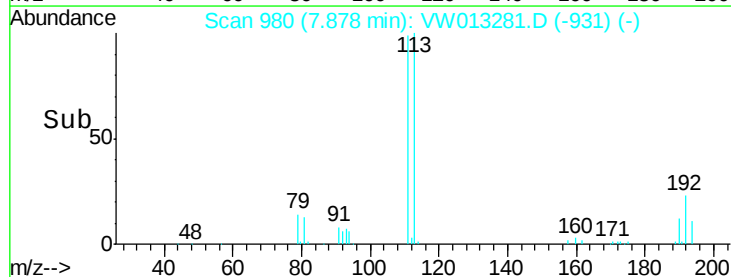
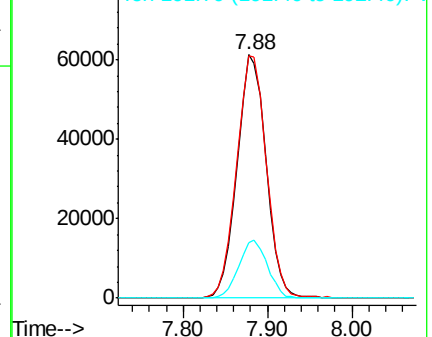
192 23.4 19.1 28.7

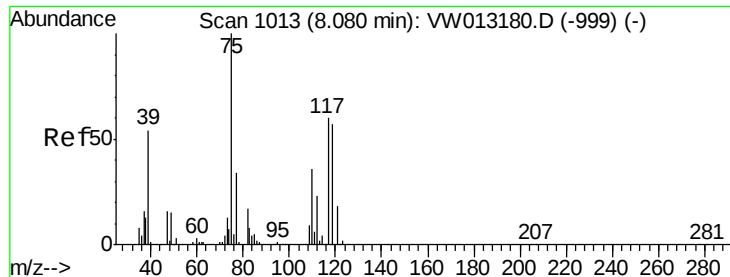


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.335 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013281.D

Acq: 24 Sep 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

RT-5124

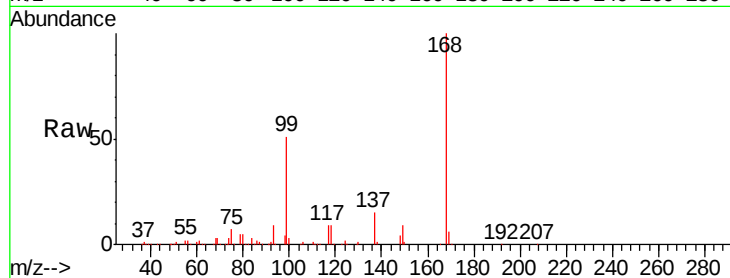
Tgt Ion: 75 Resp: 21534

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.3#

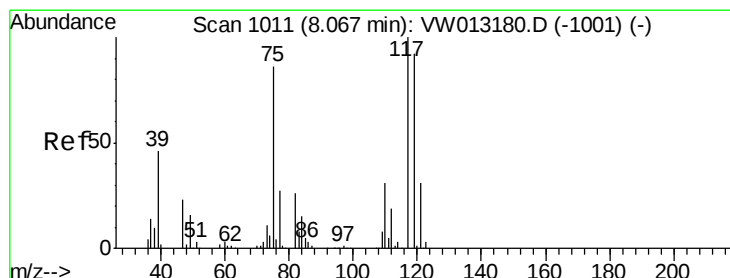
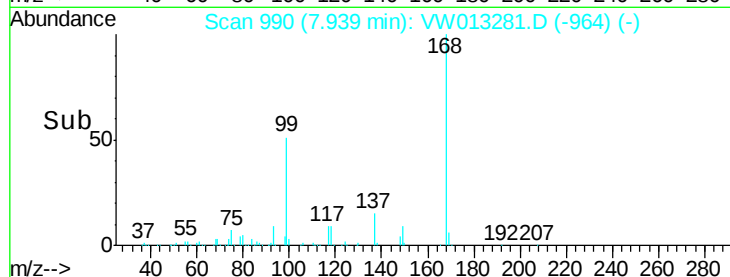
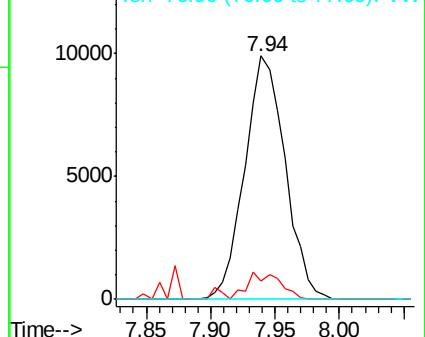
77 0.0 25.8 38.6#



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: 6.498 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013281.D

Acq: 24 Sep 2019 17:22

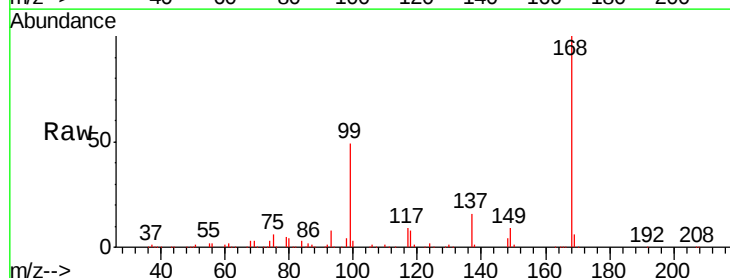
Tgt Ion: 117 Resp: 28931

Ion Ratio Lower Upper

117 100

119 6.6 73.5 110.3#

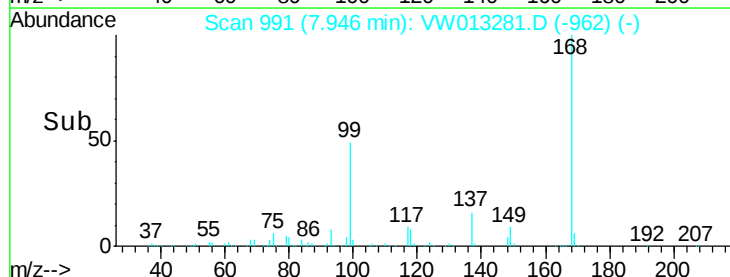
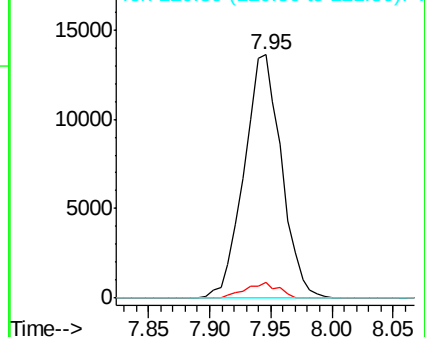
121 0.0 25.0 37.6#

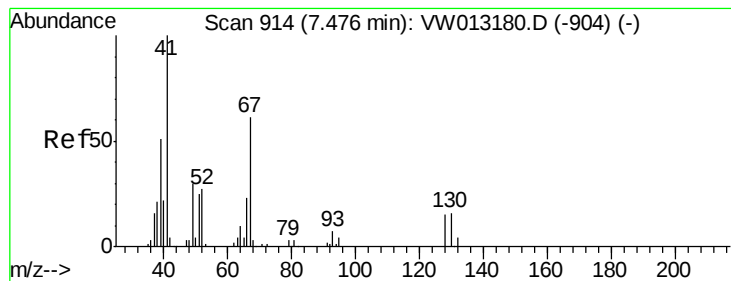


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#41

Methacrylonitrile

Concen: 2.503 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW013281.D

Acq: 24 Sep 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

RT-5124

Tgt Ion: 41 Resp: 3154

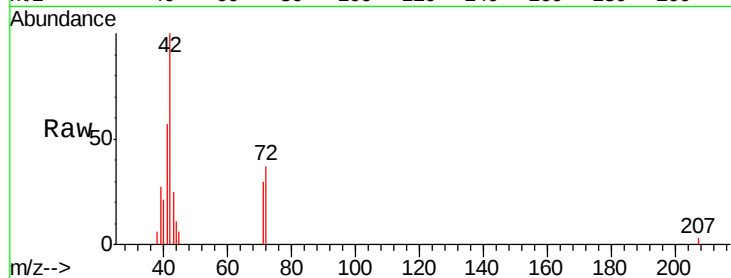
Ion Ratio Lower Upper

41 100

39 48.9 45.9 68.9

67 0.0 54.5 81.7#

52 0.0 22.5 33.7#

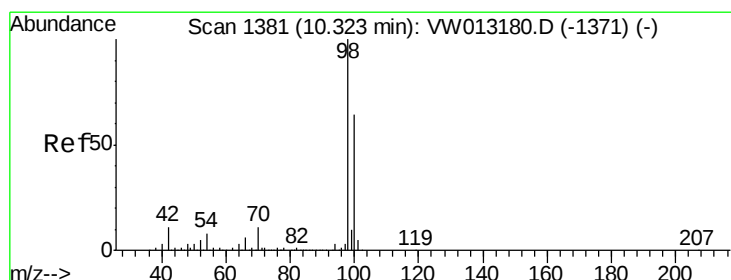
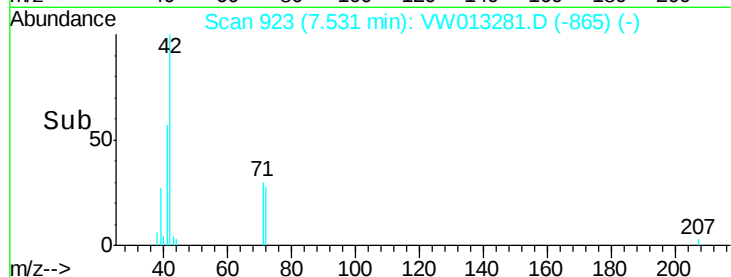
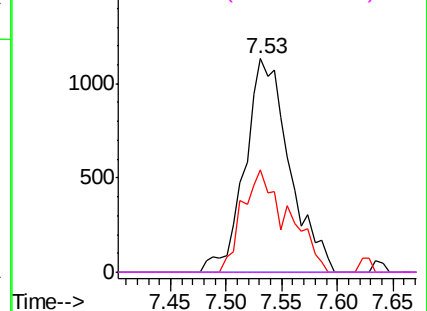


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 50.579 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013281.D

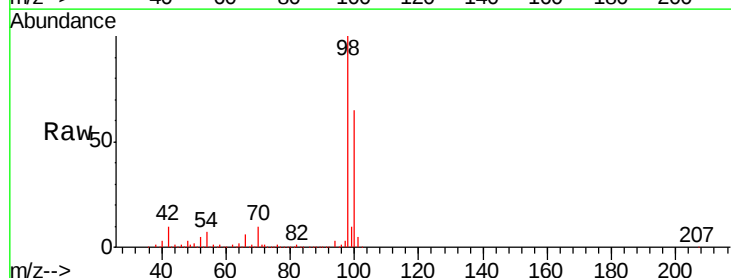
Acq: 24 Sep 2019 17:22

Tgt Ion: 98 Resp: 597040

Ion Ratio Lower Upper

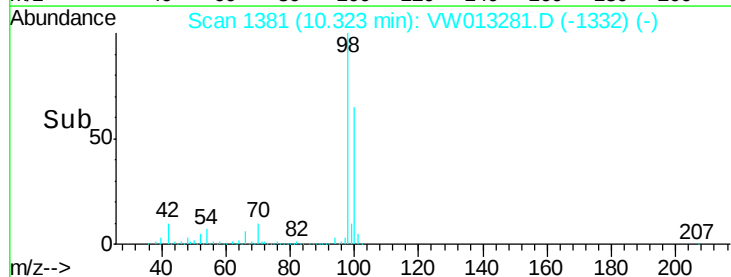
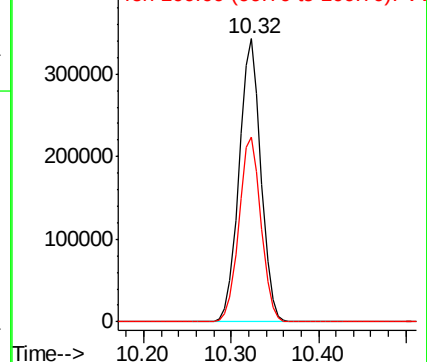
98 100

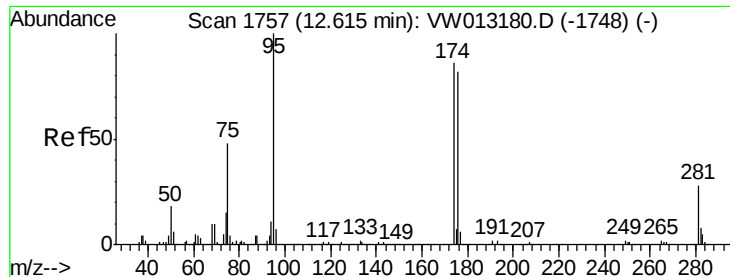
100 66.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

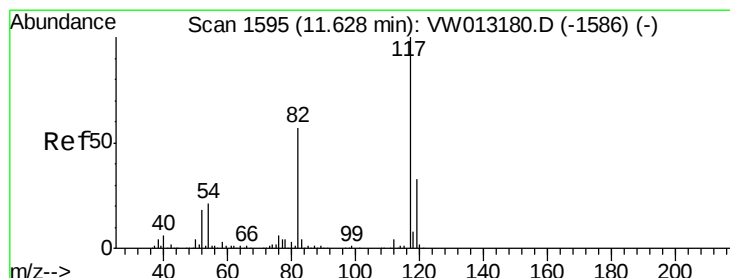
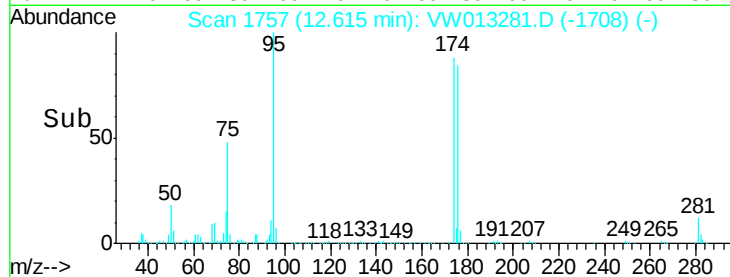
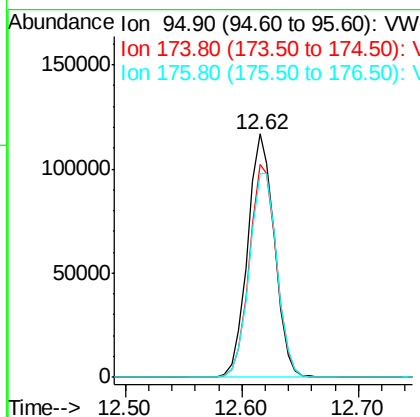
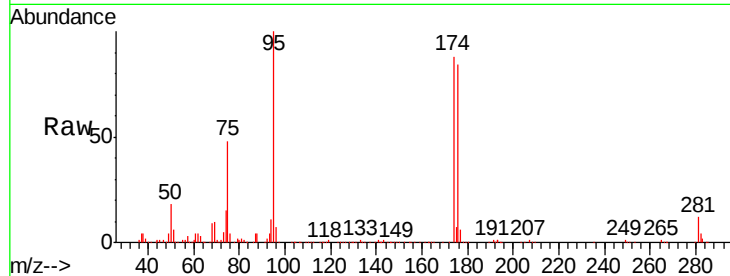




#62
4-Bromofluorobenzene
Concen: 46.503 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013281.D
Acq: 24 Sep 2019 17:22

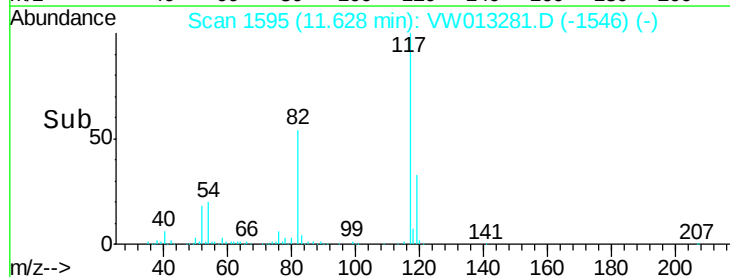
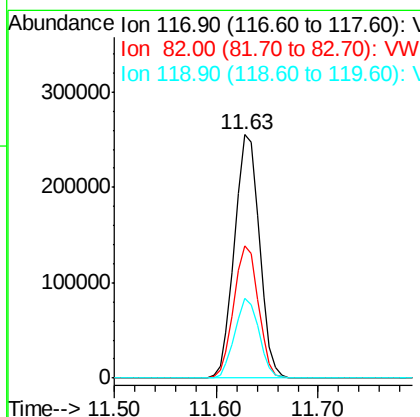
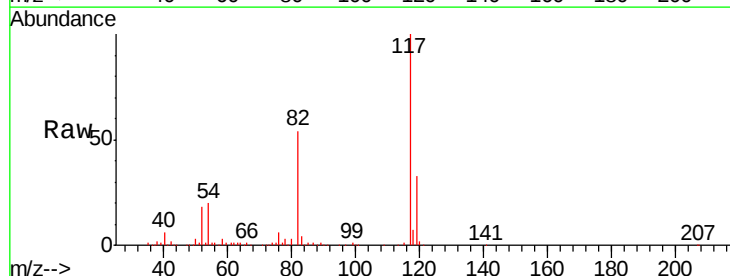
Instrument :
MSVOA_W
ClientSampled :
RT-5124

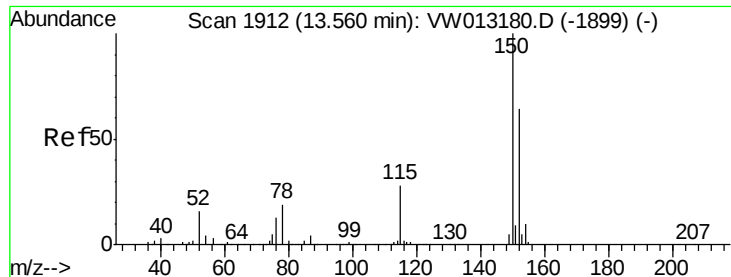
Tgt Ion: 95 Resp: 187507
Ion Ratio Lower Upper
95 100
174 88.0 0.0 178.4
176 86.7 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013281.D
Acq: 24 Sep 2019 17:22

Tgt Ion: 117 Resp: 430483
Ion Ratio Lower Upper
117 100
82 54.1 45.9 68.9
119 32.7 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013281.D

Acq: 24 Sep 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

RT-5124

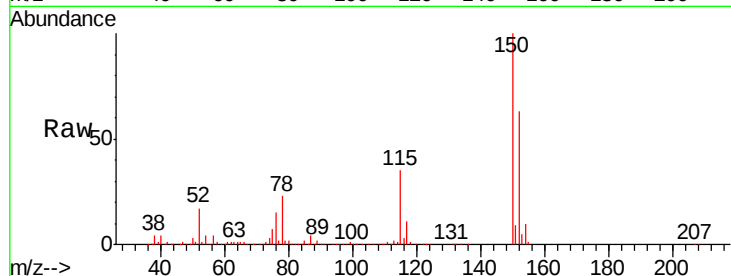
Tgt Ion:152 Resp: 190581

Ion Ratio Lower Upper

152 100

115 55.6 27.3 81.9

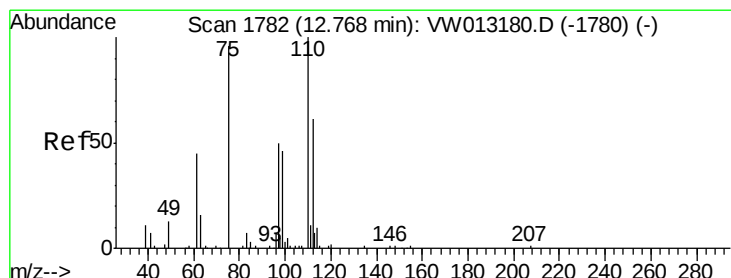
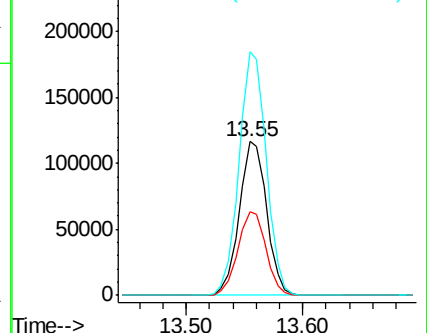
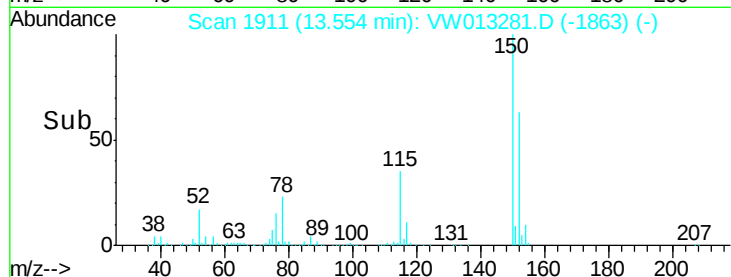
150 158.1 0.0 349.0



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: 52.291 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013281.D

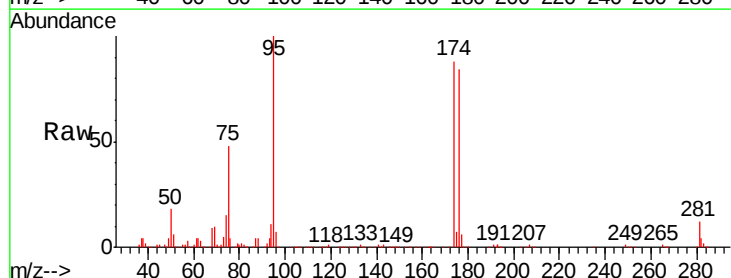
Acq: 24 Sep 2019 17:22

Tgt Ion: 75 Resp: 88010

Ion Ratio Lower Upper

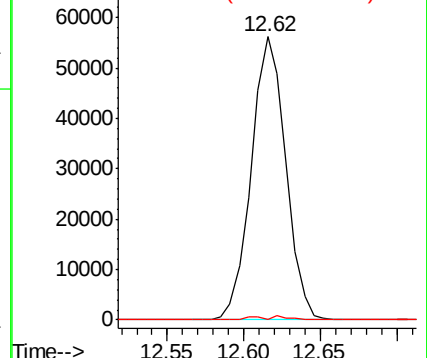
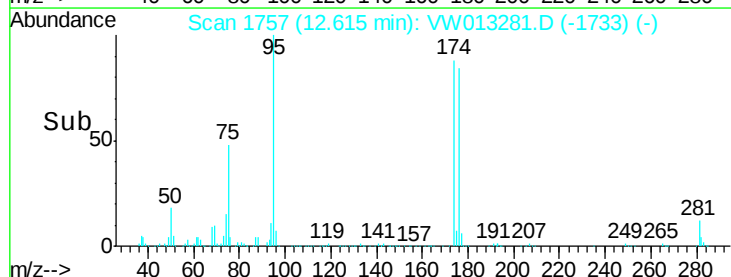
75 100

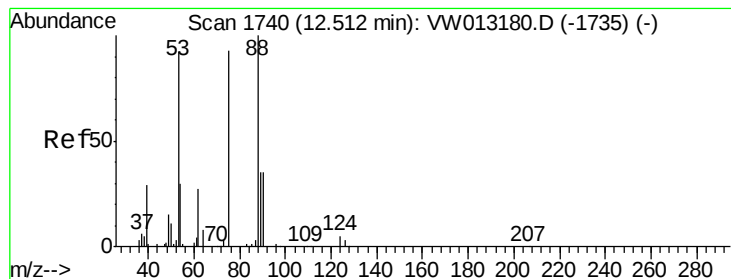
77 0.8 0.0 0.0#



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: 117.336 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013281.D

Acq: 24 Sep 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

RT-5124

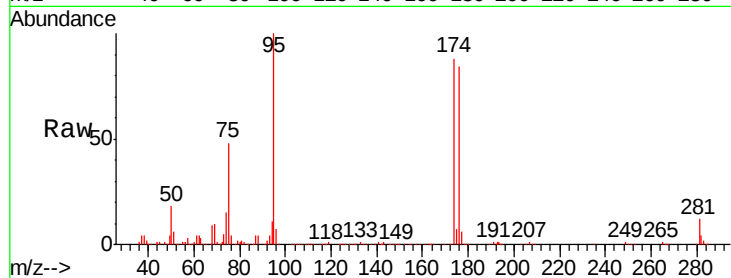
Tgt Ion: 75 Resp: 88010

Ion Ratio Lower Upper

75 100

53 0.1 76.6 114.8#

89 0.1 33.5 50.3#



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

