

Data File : VW013986.D
Acq On : 12 Nov 2019 19:58
Operator : SY/VA
Sample : K5788-04
Misc : 7.48G/5.0ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-4

Quant Time: Nov 13 06:45:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	288360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	446496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	381555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	168832	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	125963	58.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.46%	
35) Dibromofluoromethane	7.88	113	129432	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
50) Toluene-d8	10.32	98	516216	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.62	95	163265	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	

Target Compounds

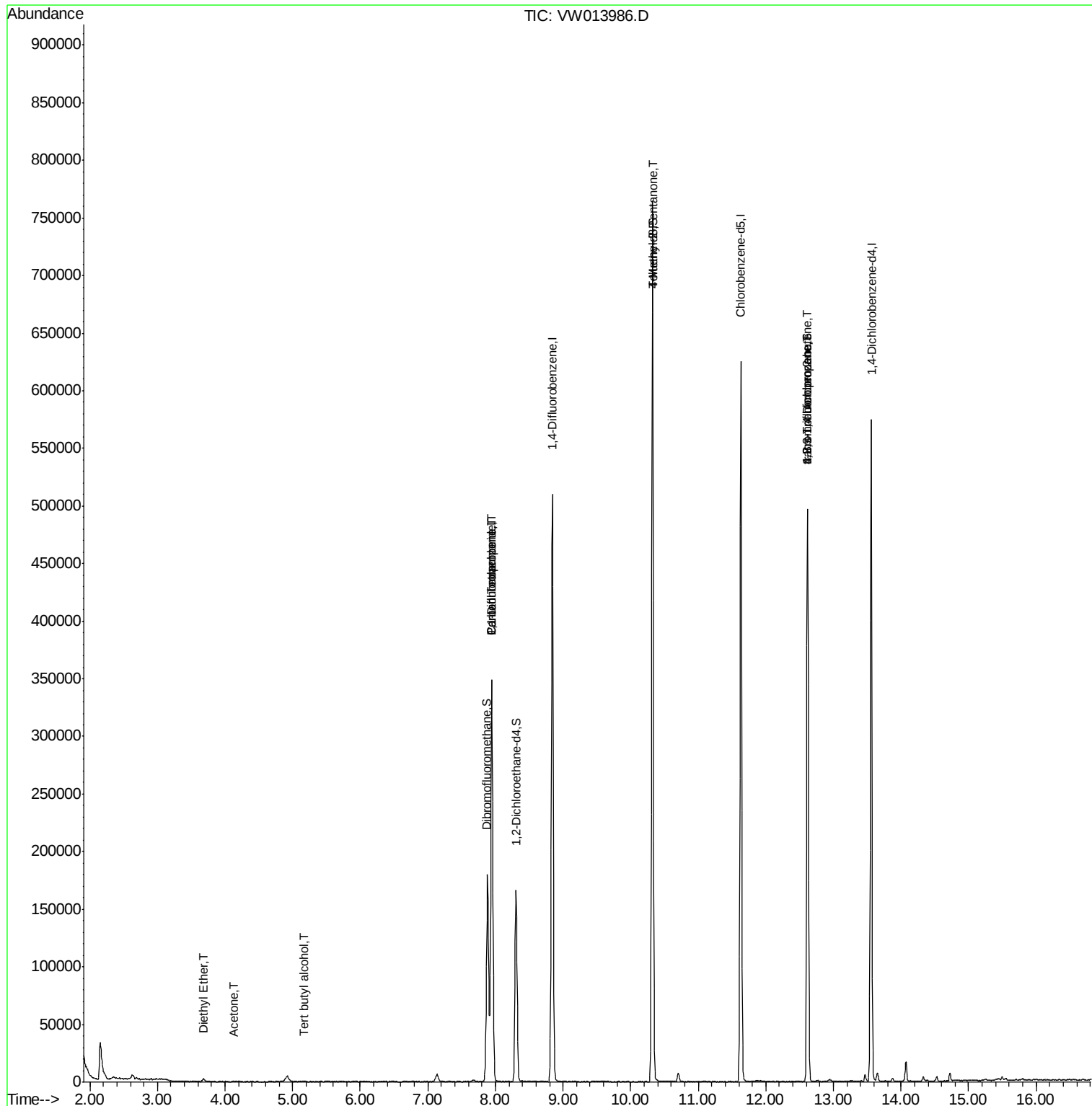
						Qvalue
8) Diethyl Ether	3.68	74	1740	1.398	ug/l	90
11) Tert butyl alcohol	5.17	59	694	5.374	ug/l #	71
16) Acetone	4.13	43	676	1.474	ug/l #	45
20) Methylene Chloride	4.92	84	4439	Below Cal	#	82
36) 1,1-Dichloropropene	7.95	75	18003	4.329	ug/l #	49
38) Carbon Tetrachloride	7.95	117	24008	6.411	ug/l #	19
51) 4-Methyl-2-Pentanone	10.32	43	2042	1.349	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	76320	62.947	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76320	118.961	ug/l #	14

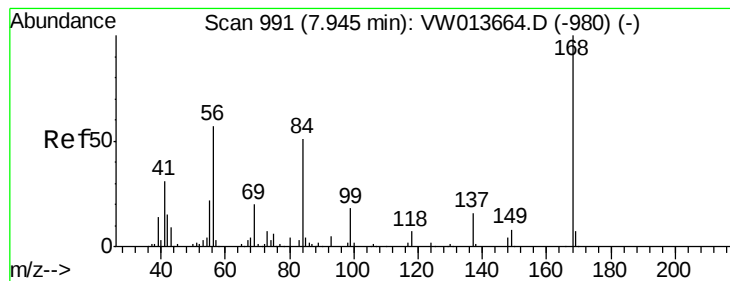
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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B-4

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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: VW013986.D

Acq: 12 Nov 2019 19:58

Instrument :

MSVOA_W

ClientSampled :

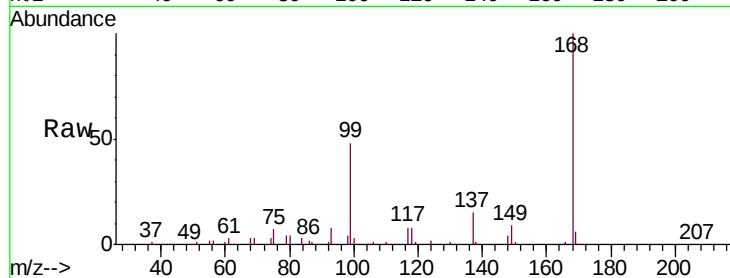
B-4

Tgt Ion:168 Resp: 288360

Ion Ratio Lower Upper

168 100

99 48.1 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

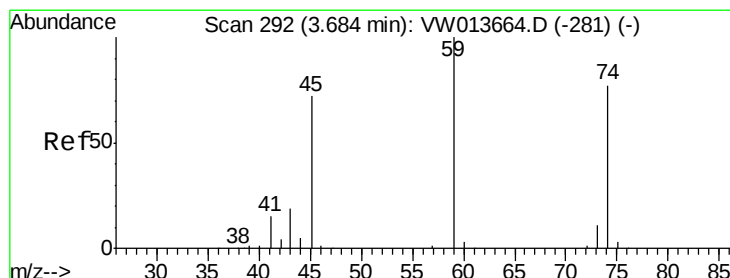
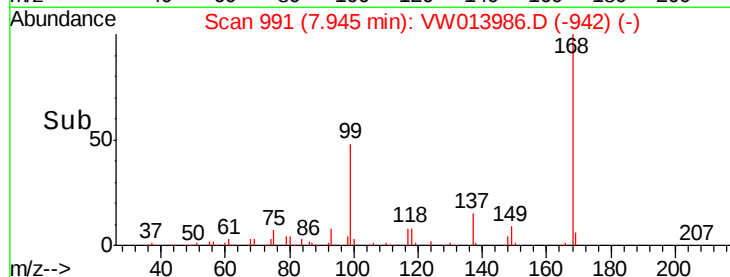
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.398 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW013986.D

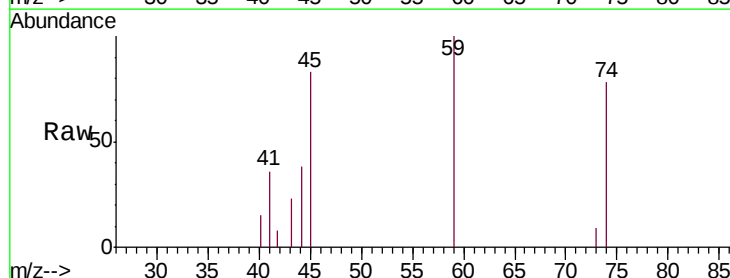
Acq: 12 Nov 2019 19:58

Tgt Ion: 74 Resp: 1740

Ion Ratio Lower Upper

74 100

45 86.0 47.9 143.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

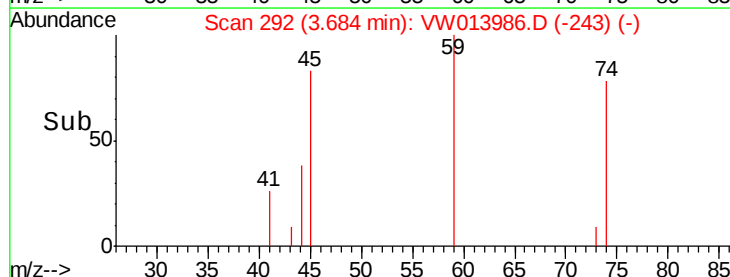
600

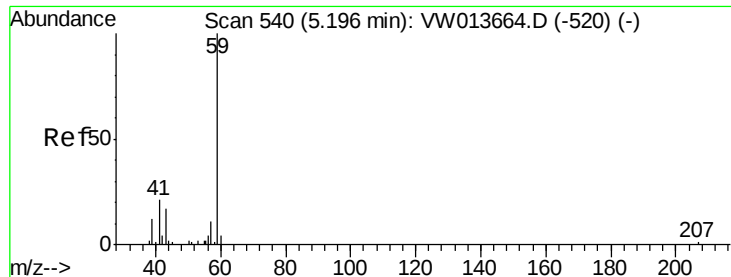
400

200

0

Time--> 3.60 3.65 3.70 3.75



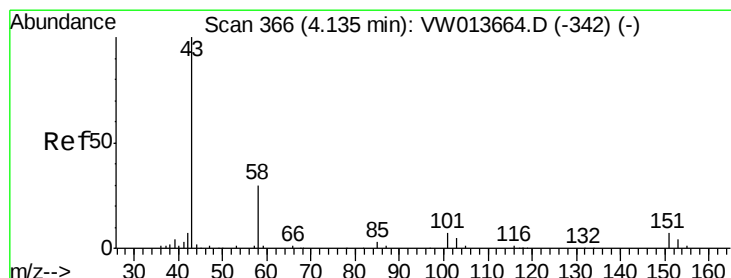
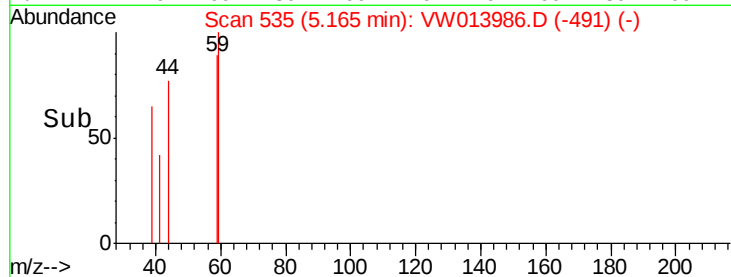
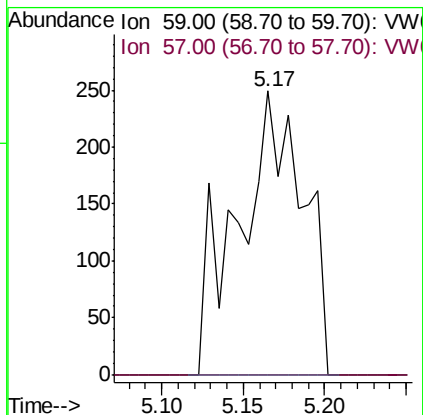
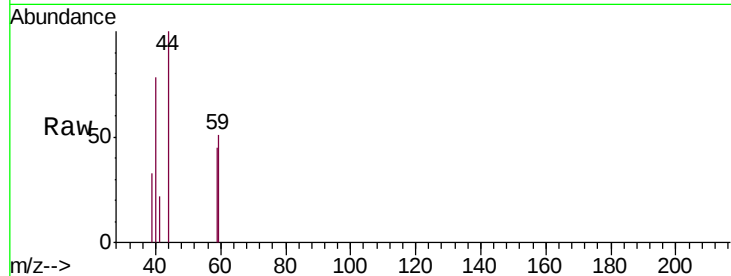


#11

Tert butyl alcohol
 Concen: 5.374 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.03 min
 Lab File: VW013986.D
 Acq: 12 Nov 2019 19:58

Instrument :
 MSVOA_W
 ClientSampled :
 B-4

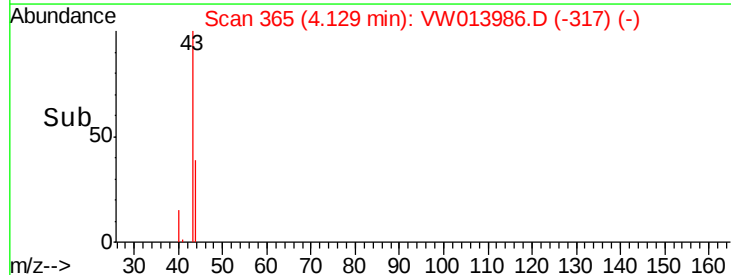
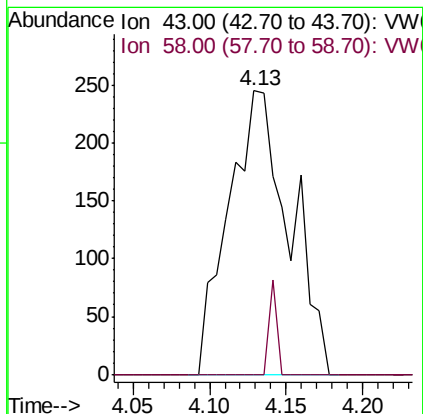
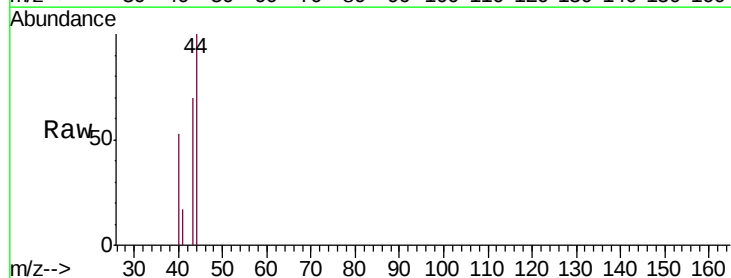
Tgt Ion: 59 Resp: 694
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

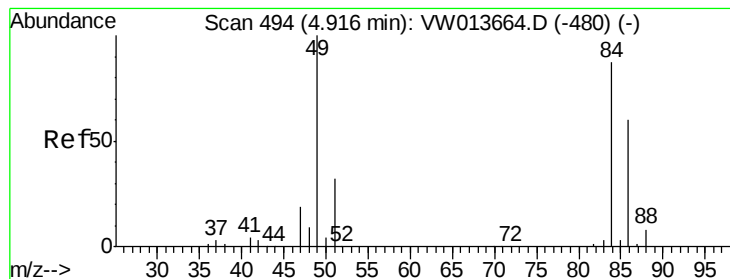


#16

Acetone
 Concen: 1.474 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VW013986.D
 Acq: 12 Nov 2019 19:58

Tgt Ion: 43 Resp: 676
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.1 36.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW013986.D

Acq: 12 Nov 2019 19:58

Instrument :

MSVOA_W

ClientSampled :

B-4

Tgt Ion: 84 Resp: 4439

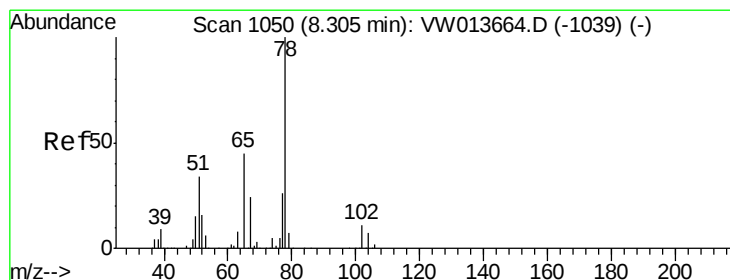
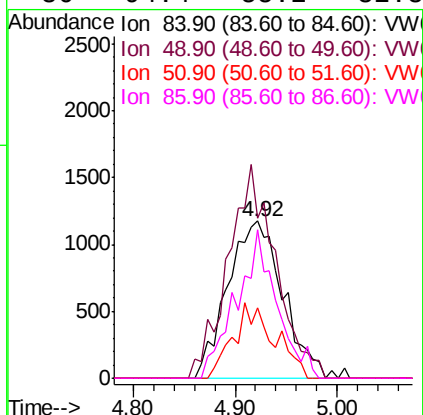
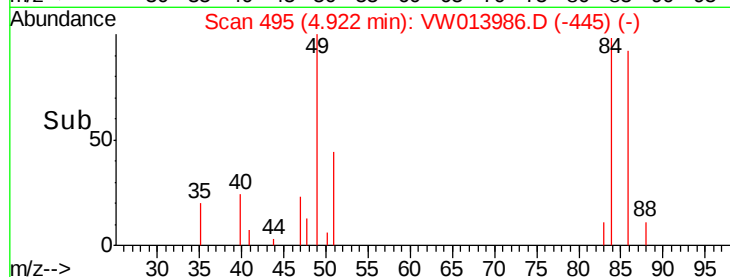
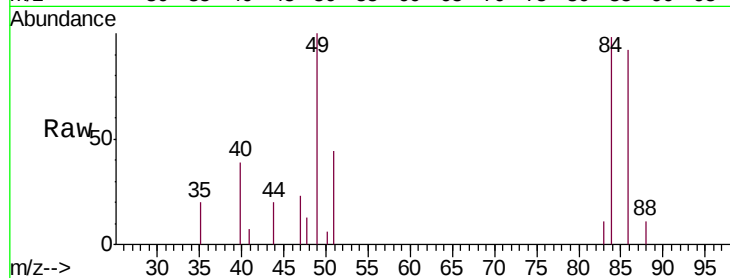
Ion Ratio Lower Upper

84 100

49 102.2 91.8 137.6

51 44.9 29.8 44.6#

86 94.4 55.2 82.8#



#33

1,2-Dichloroethane-d4

Concen: 58.231 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013986.D

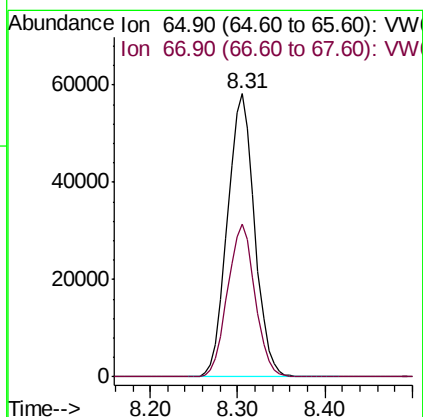
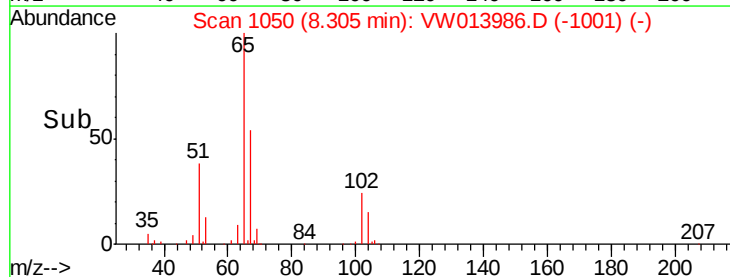
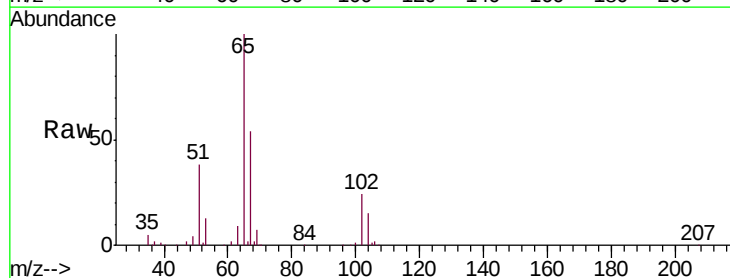
Acq: 12 Nov 2019 19:58

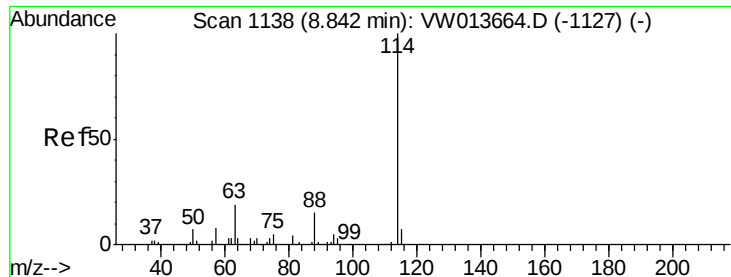
Tgt Ion: 65 Resp: 125963

Ion Ratio Lower Upper

65 100

67 54.5 0.0 109.4

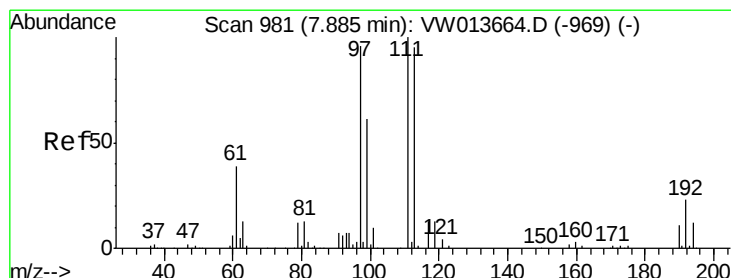
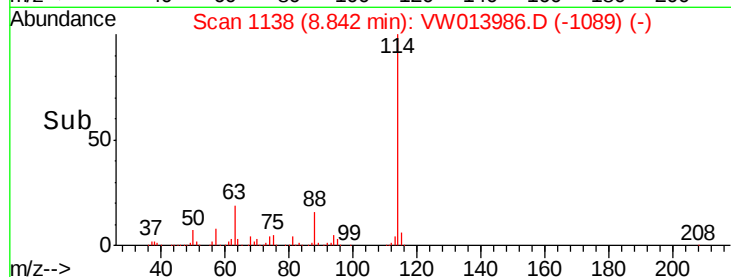
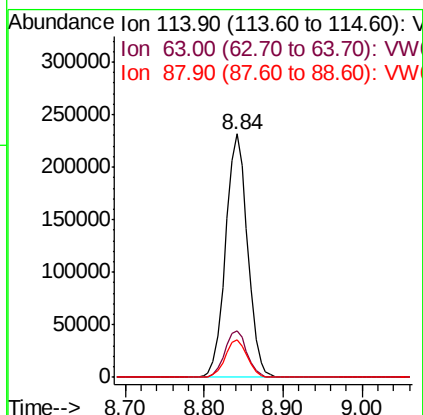
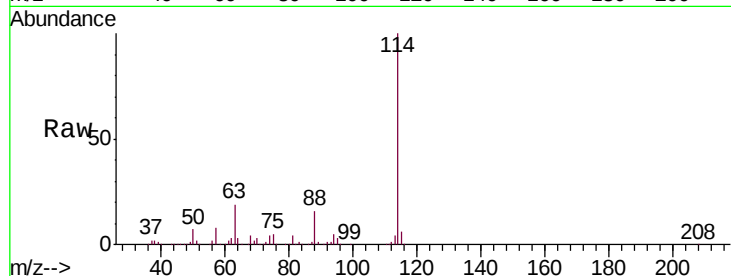




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013986.D
 Acq: 12 Nov 2019 19:58

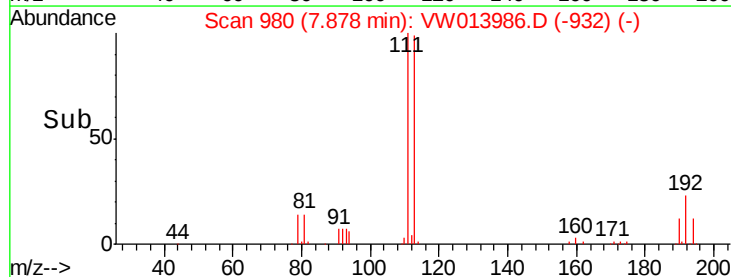
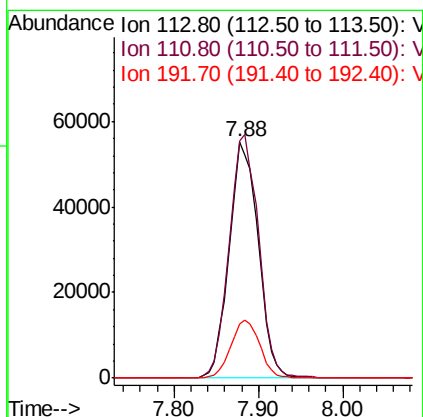
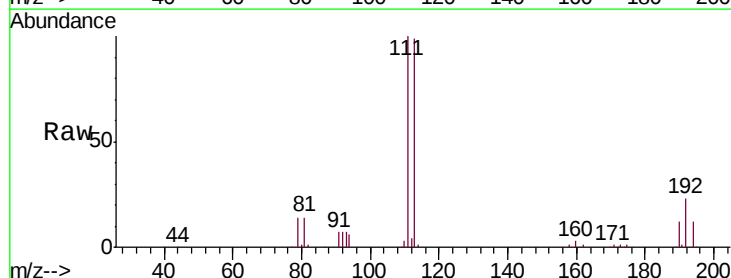
Instrument :
 MSVOA_W
 ClientSampleId :
 B-4

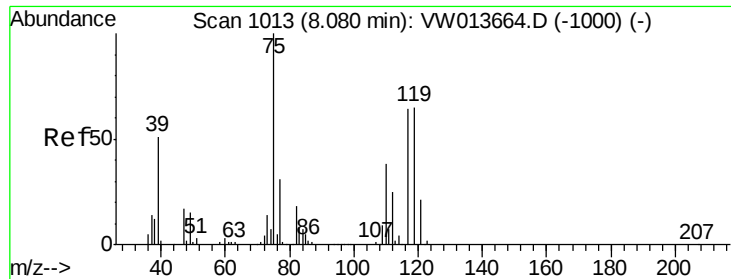
Tgt Ion:114 Resp: 446496
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.6
 88 15.7 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 52.170 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW013986.D
 Acq: 12 Nov 2019 19:58

Tgt Ion:113 Resp: 129432
 Ion Ratio Lower Upper
 113 100
 111 104.4 83.0 124.6
 192 24.4 19.4 29.2

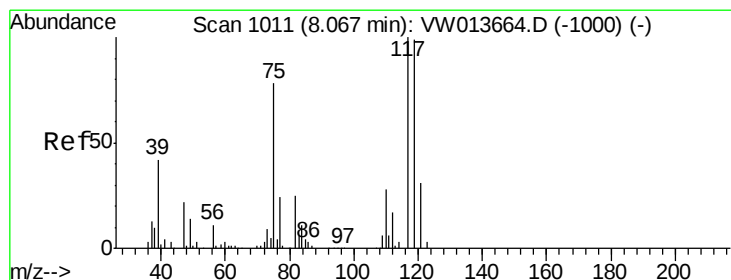
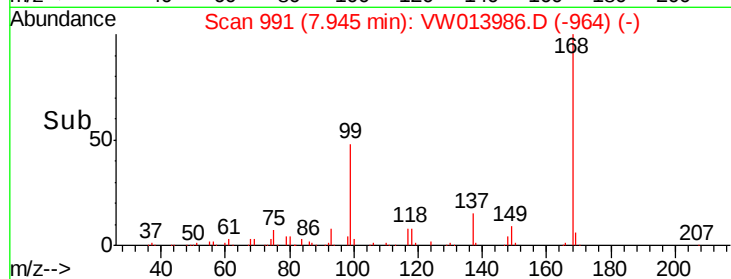
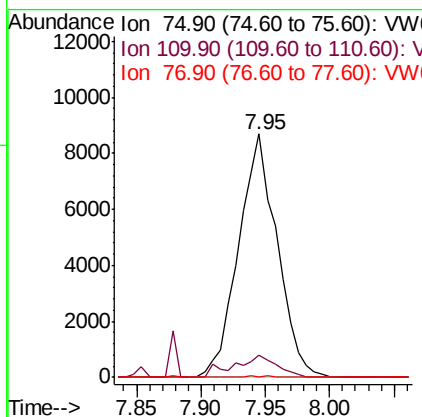
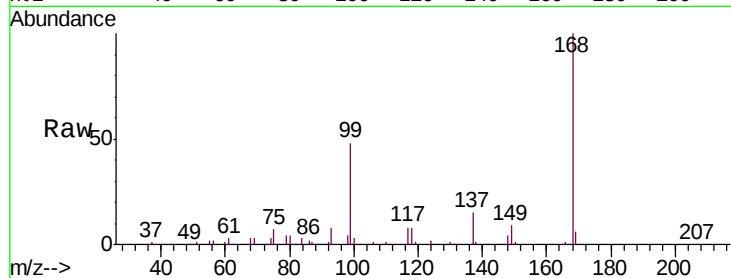




#36
 1,1-Dichloropropene
 Concen: 4.329 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013986.D
 Acq: 12 Nov 2019 19:58

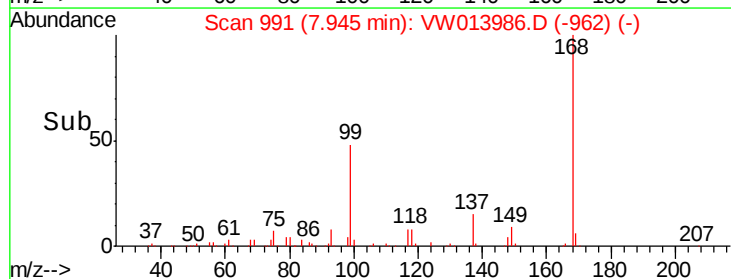
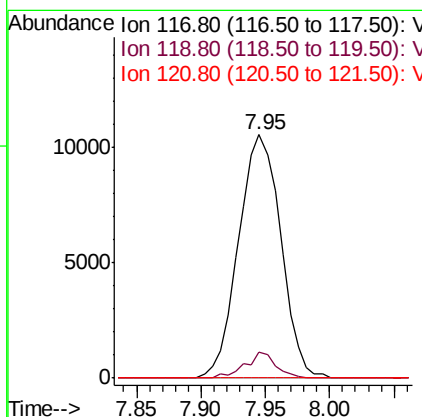
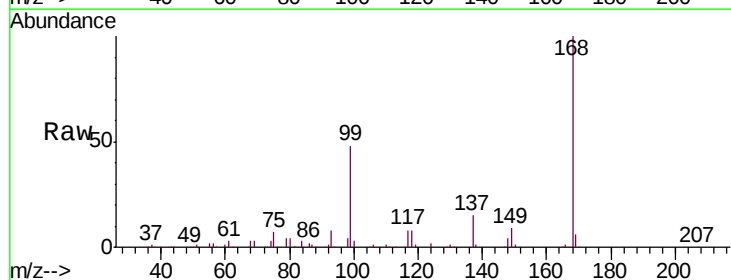
Instrument :
 MSVOA_W
 ClientSampled :
 B-4

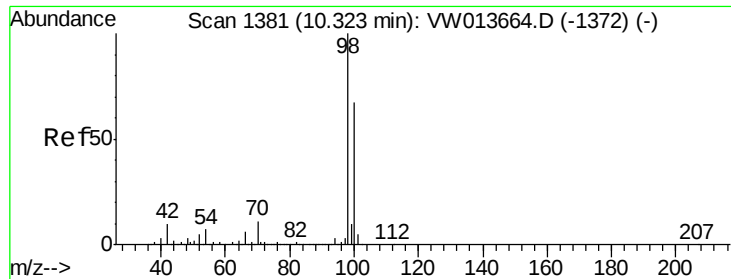
Tgt Ion: 75 Resp: 18003
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.7 56.1#
 77 0.1 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 6.411 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013986.D
 Acq: 12 Nov 2019 19:58

Tgt Ion: 117 Resp: 24008
 Ion Ratio Lower Upper
 117 100
 119 10.5 79.0 118.4#
 121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 51.063 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013986.D

Acq: 12 Nov 2019 19:58

Instrument :

MSVOA_W

ClientSampleId :

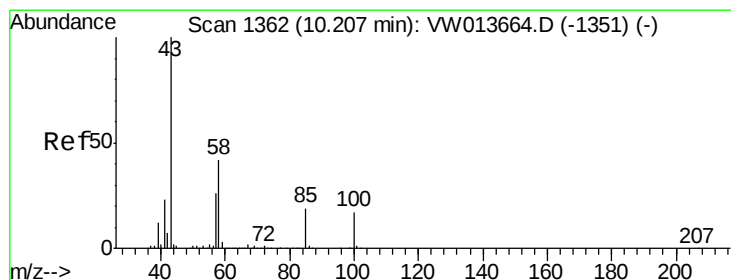
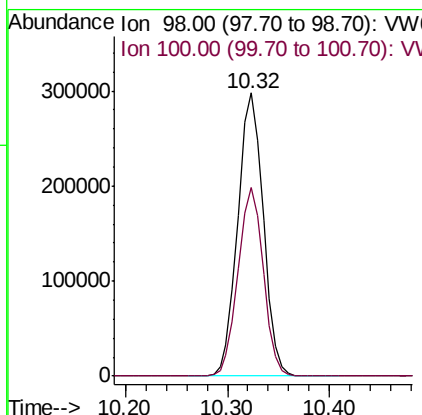
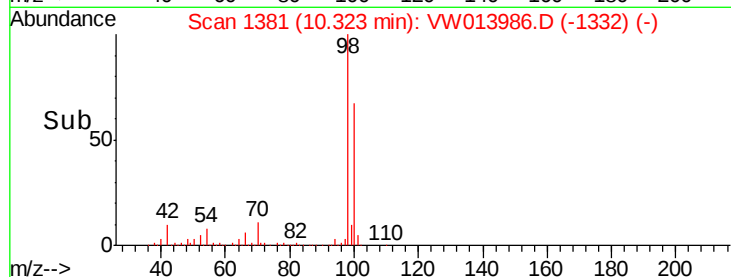
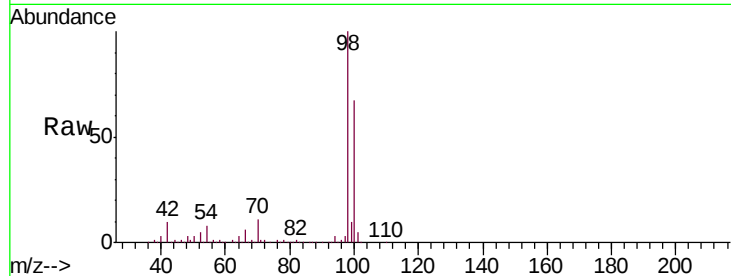
B-4

Tgt Ion: 98 Resp: 516216

Ion Ratio Lower Upper

98 100

100 65.9 53.4 80.0



#51

4-Methyl-2-Pentanone

Concen: 1.349 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW013986.D

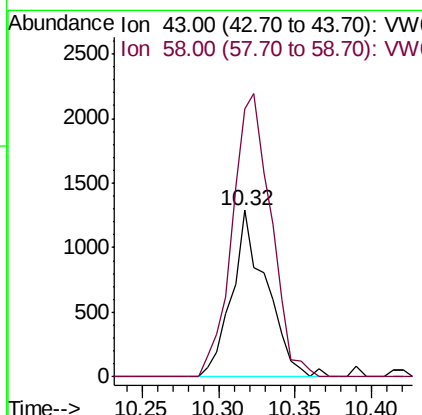
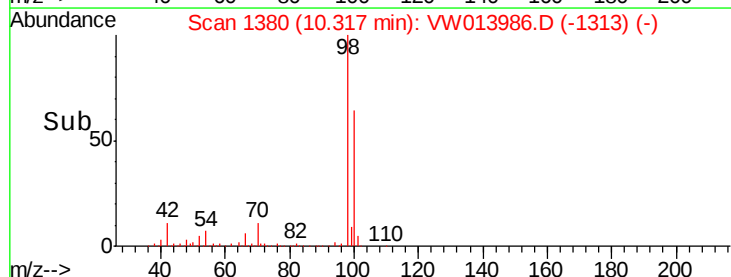
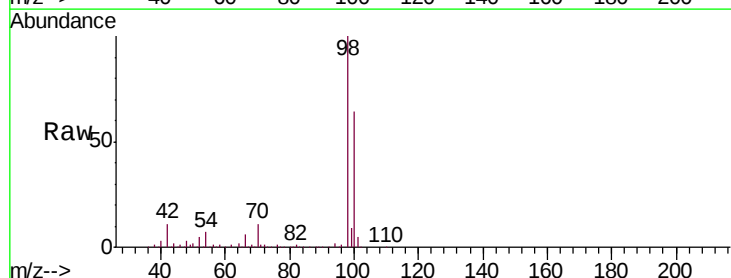
Acq: 12 Nov 2019 19:58

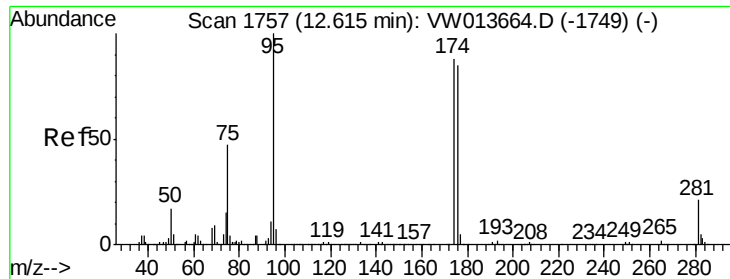
Tgt Ion: 43 Resp: 2042

Ion Ratio Lower Upper

43 100

58 188.5 32.6 49.0#

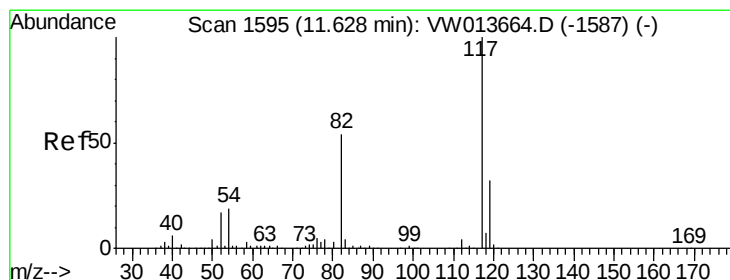
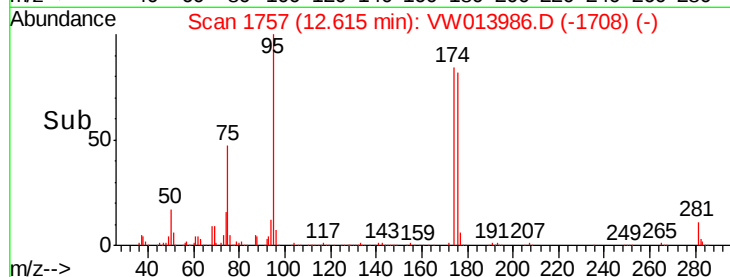
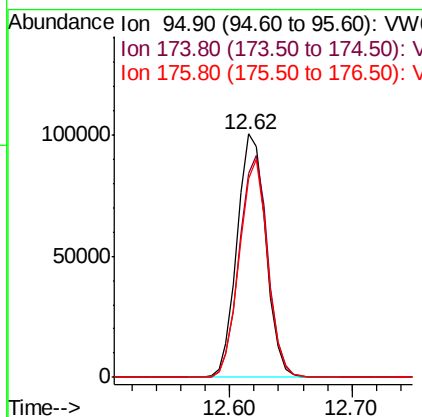
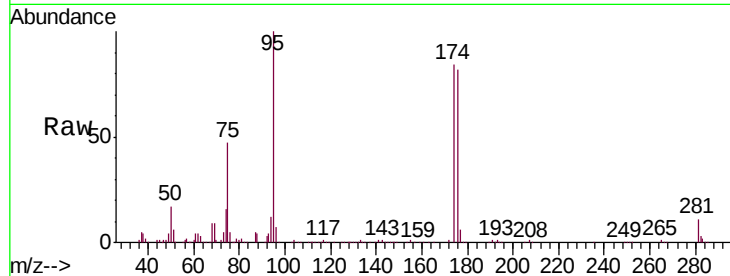




#62
4-Bromofluorobenzene
Concen: 47.696 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013986.D
Acq: 12 Nov 2019 19:58

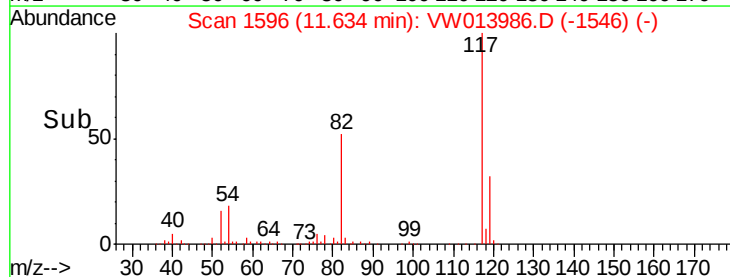
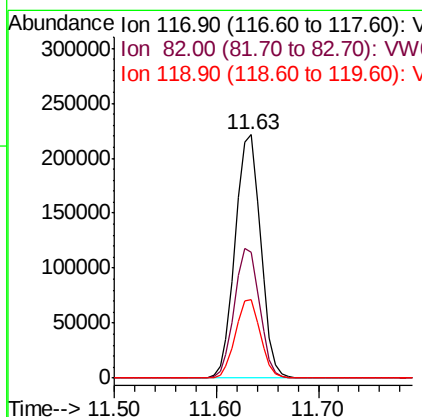
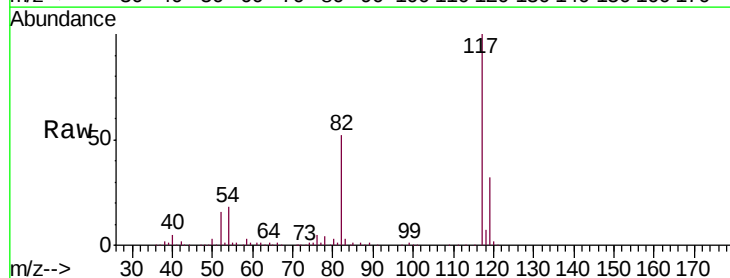
Instrument :
MSVOA_W
ClientSampled :
B-4

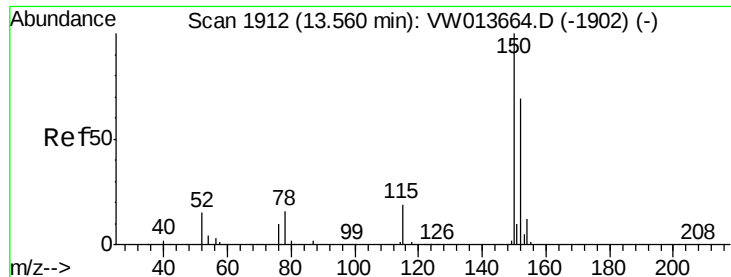
Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.8	0.0	183.6
176	87.9	0.0	178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013986.D
Acq: 12 Nov 2019 19:58

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.7	43.6	65.4
119	32.5	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013986.D

Acq: 12 Nov 2019 19:58

Instrument :

MSVOA_W

ClientSampleId :

B-4

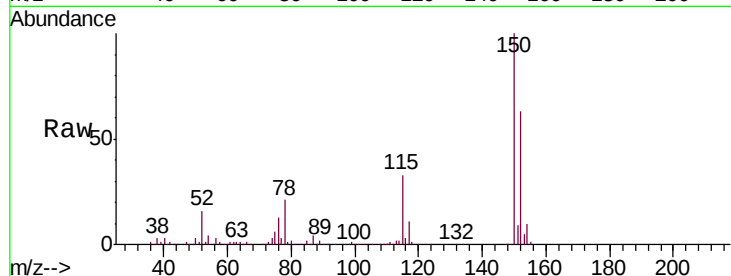
Tgt Ion:152 Resp: 168832

Ion Ratio Lower Upper

152 100

115 54.4 27.4 82.2

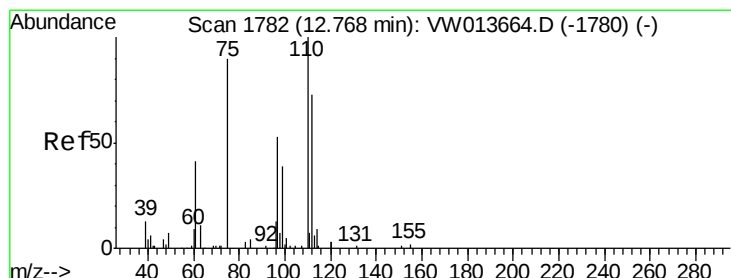
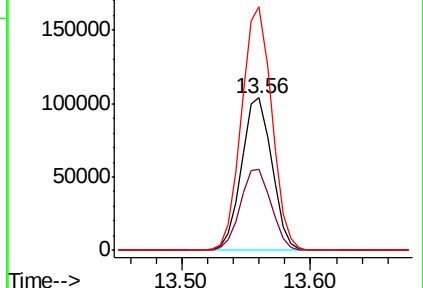
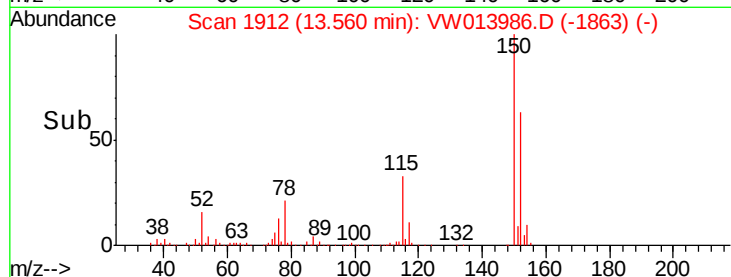
150 158.9 0.0 345.4



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: 62.947 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013986.D

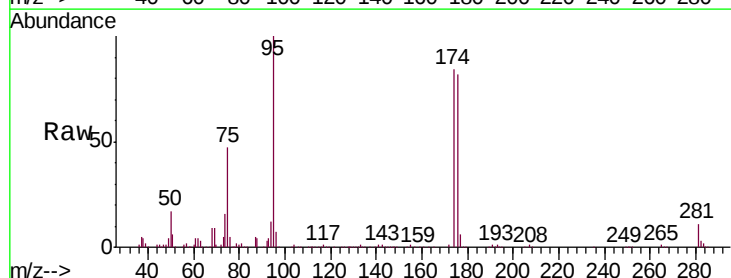
Acq: 12 Nov 2019 19:58

Tgt Ion: 75 Resp: 76320

Ion Ratio Lower Upper

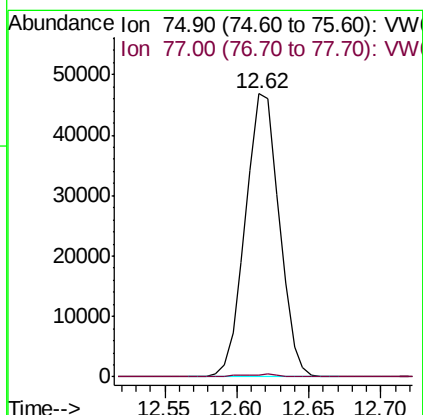
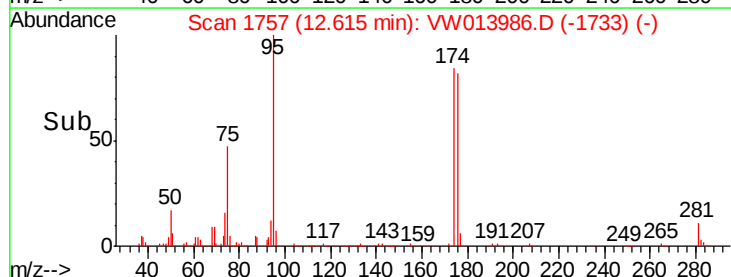
75 100

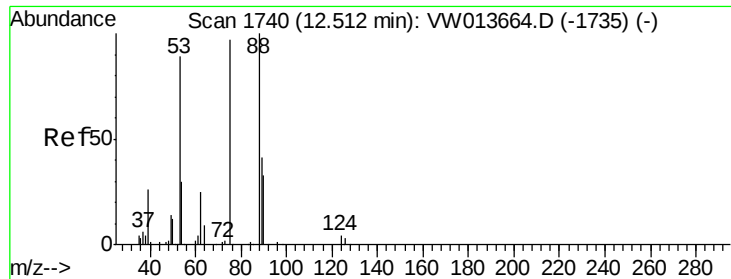
77 1.2 0.0 0.0#



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: 118.961 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013986.D

Acq: 12 Nov 2019 19:58

Instrument :

MSVOA_W

ClientSampleId :

B-4

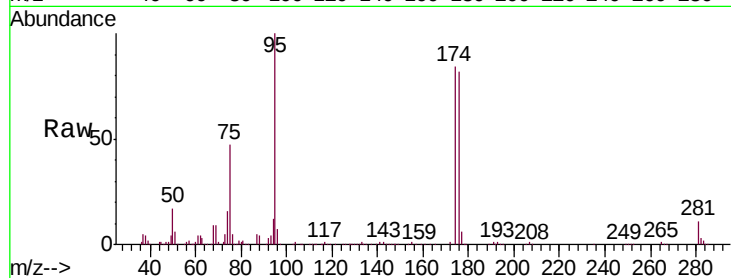
Tgt Ion: 75 Resp: 76320

Ion Ratio Lower Upper

75 100

53 0.1 71.7 107.5#

89 0.0 35.8 53.8#



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

