

Data File : VW013984.D
Acq On : 12 Nov 2019 19:06
Operator : SY/VA
Sample : K5788-02
Misc : 5.77G/5.0ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-2

Quant Time: Nov 13 06:45:07 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	286857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	443851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	378931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166377	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	128240	59.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.18%	
35) Dibromofluoromethane	7.88	113	133941	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
50) Toluene-d8	10.32	98	519179	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
62) 4-Bromofluorobenzene	12.62	95	163033	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	

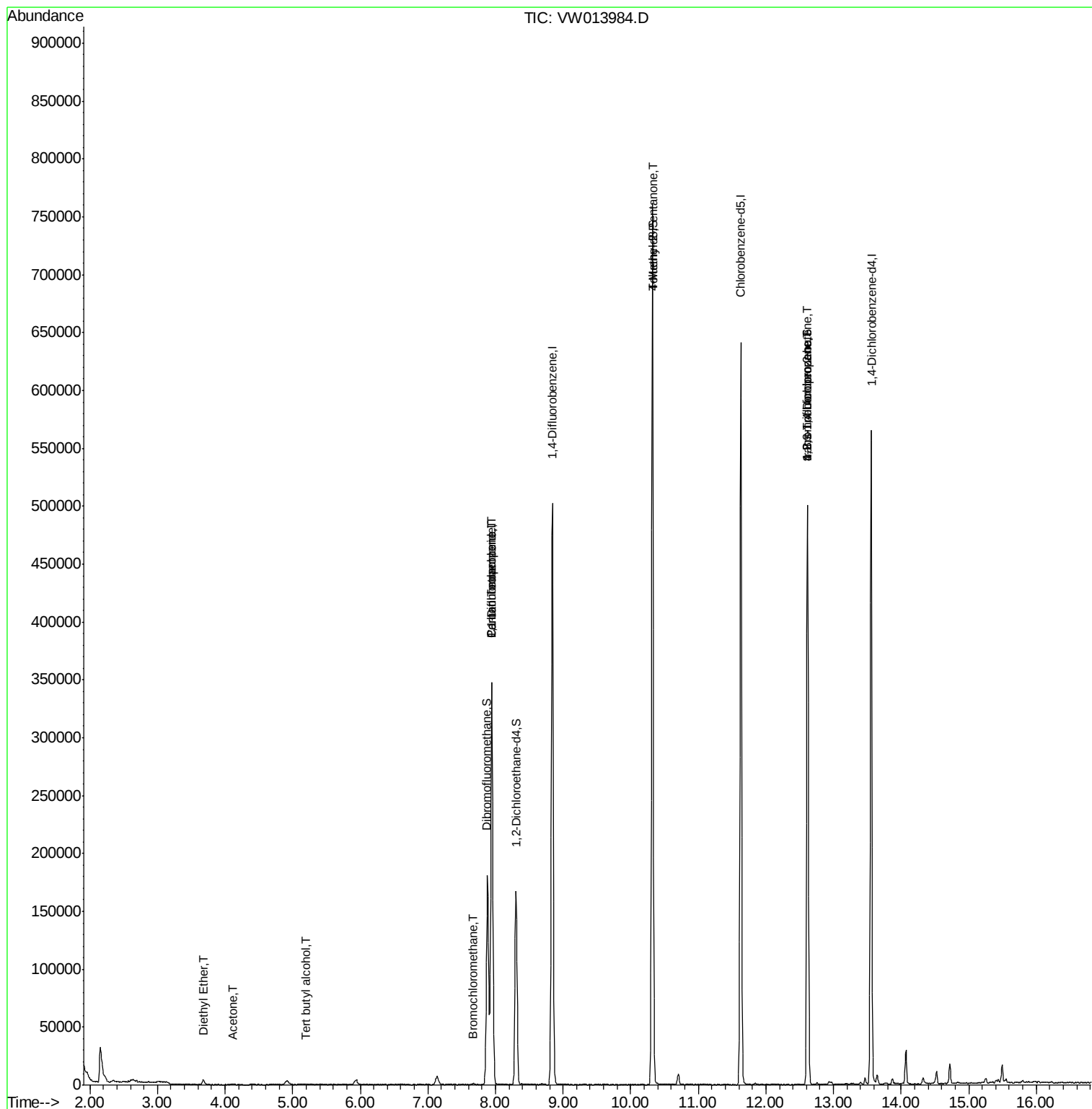
Target Compounds			Qvalue			
8) Diethyl Ether	3.68	74	2171	1.754	ug/l	96
11) Tert butyl alcohol	5.20	59	129	1.004	ug/l #	71
16) Acetone	4.12	43	799	1.751	ug/l #	73
20) Methylene Chloride	4.92	84	3297	Below Cal	#	74
28) Bromochloromethane	7.67	49	21	1.353	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	18017	4.359	ug/l #	49
38) Carbon Tetrachloride	7.95	117	23620	6.345	ug/l #	16
51) 4-Methyl-2-Pentanone	10.32	43	2170	1.442	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	76789	64.268	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76789	121.458	ug/l #	14

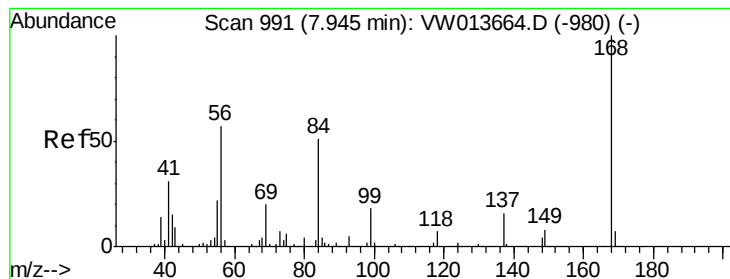
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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B-2

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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: VW013984.D

Acq: 12 Nov 2019 19:06

Instrument :

MSVOA_W

ClientSampleId :

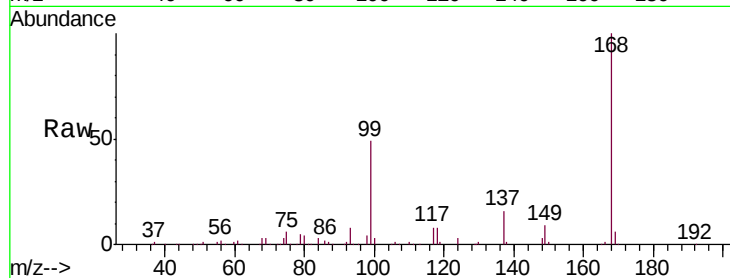
B-2

Tgt Ion:168 Resp: 286857

Ion Ratio Lower Upper

168 100

99 49.5 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

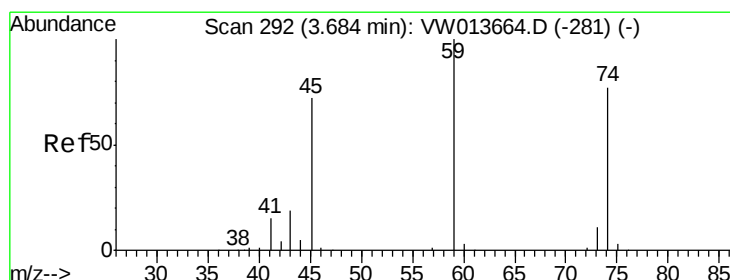
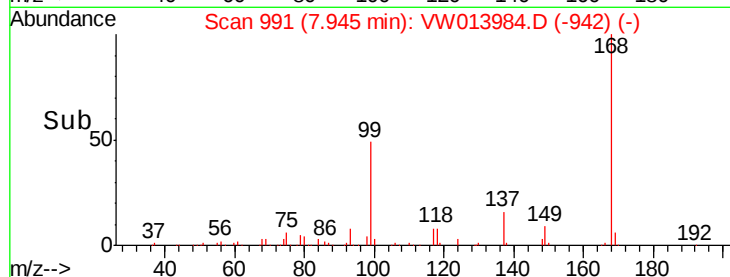
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.754 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW013984.D

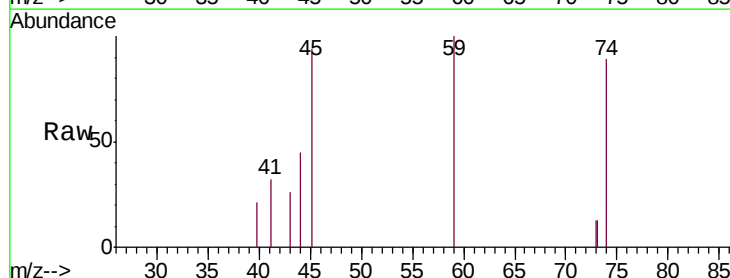
Acq: 12 Nov 2019 19:06

Tgt Ion: 74 Resp: 2171

Ion Ratio Lower Upper

74 100

45 100.0 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

1000

800

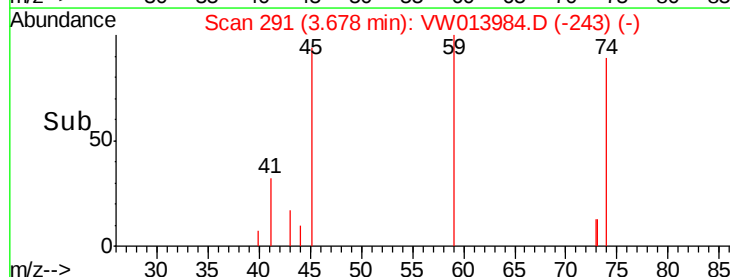
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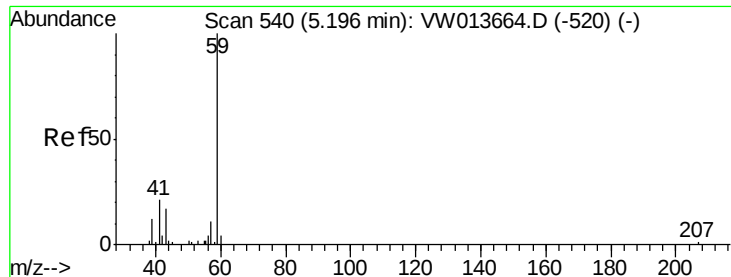
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200

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Time-->



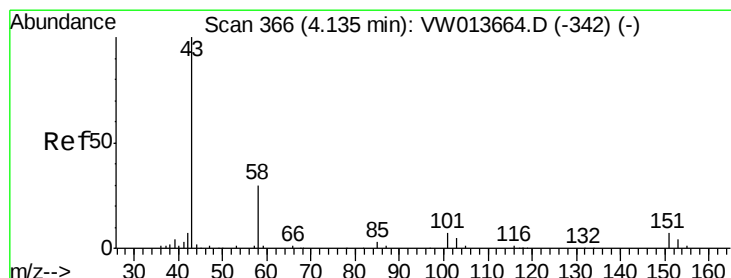
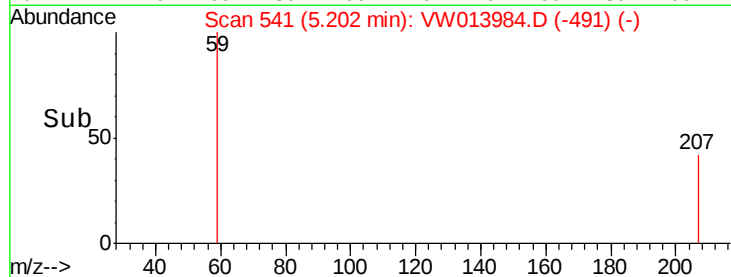
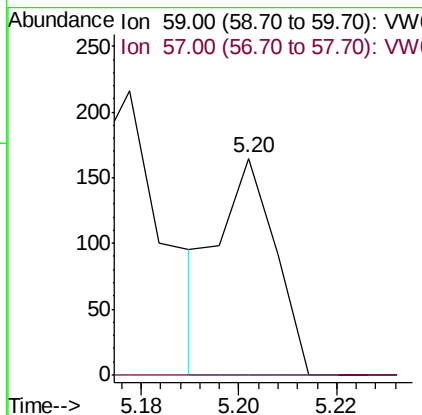
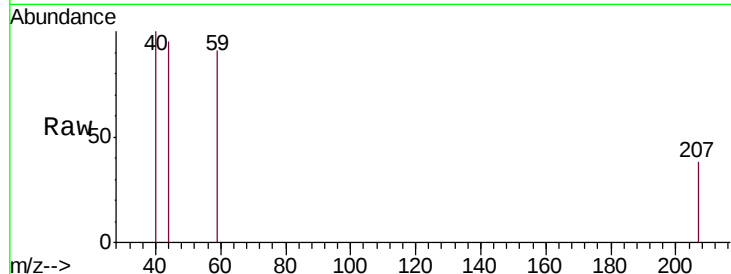


#11

Tert butyl alcohol
 Concen: 1.004 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. 0.01 min
 Lab File: VW013984.D
 Acq: 12 Nov 2019 19:06

Instrument :
 MSVOA_W
 ClientSampled :
 B-2

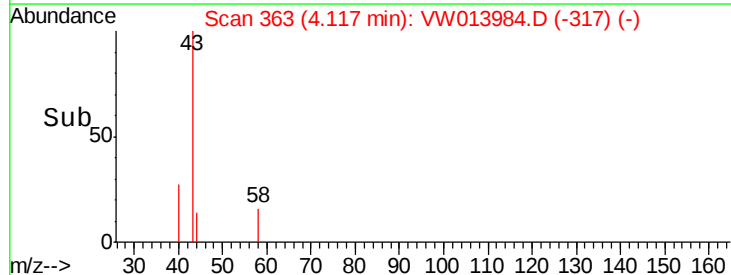
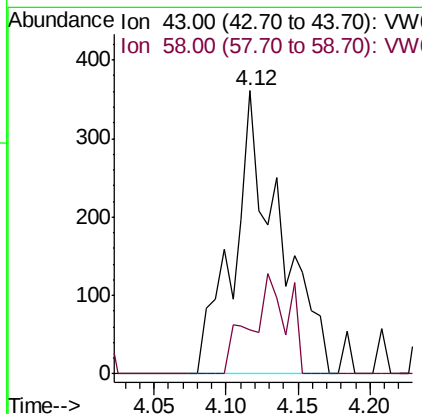
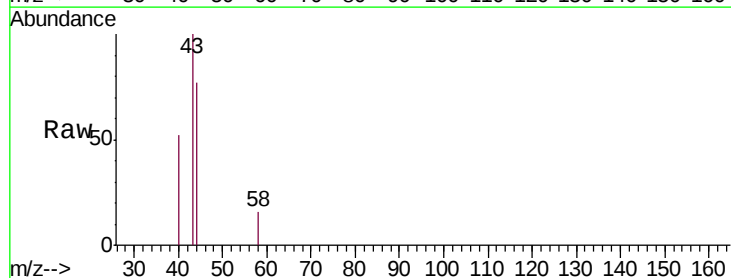
Tgt Ion: 59 Resp: 129
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

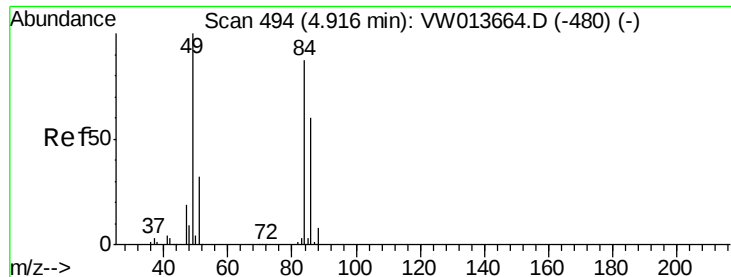


#16

Acetone
 Concen: 1.751 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.02 min
 Lab File: VW013984.D
 Acq: 12 Nov 2019 19:06

Tgt Ion: 43 Resp: 799
 Ion Ratio Lower Upper
 43 100
 58 15.5 24.1 36.1#

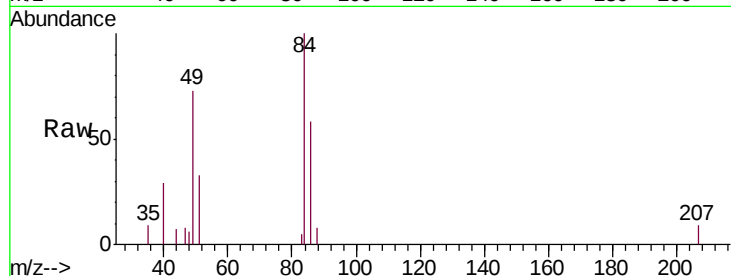




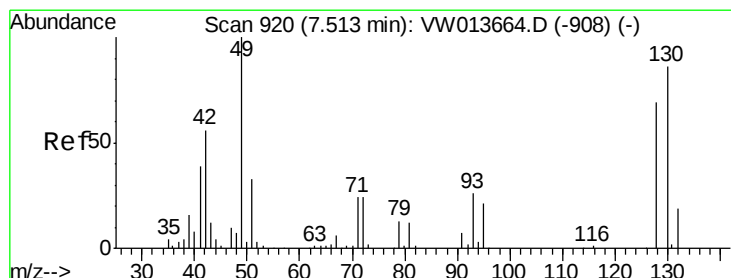
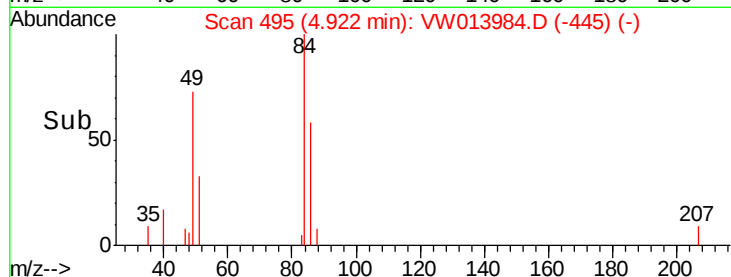
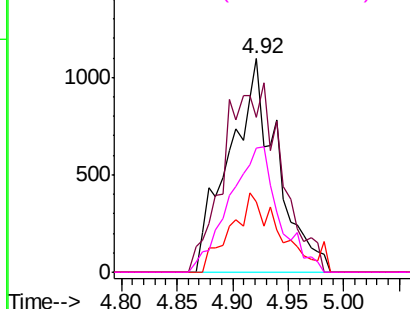
#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW013984.D
Acq: 12 Nov 2019 19:06

Instrument :
MSVOA_W
ClientSampled :
B-2

Tgt Ion: 84 Resp: 3297
Ion Ratio Lower Upper
84 100
49 72.7 91.8 137.6#
51 32.8 29.8 44.6
86 58.2 55.2 82.8

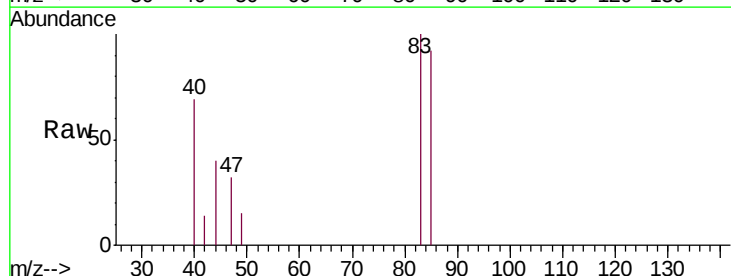


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

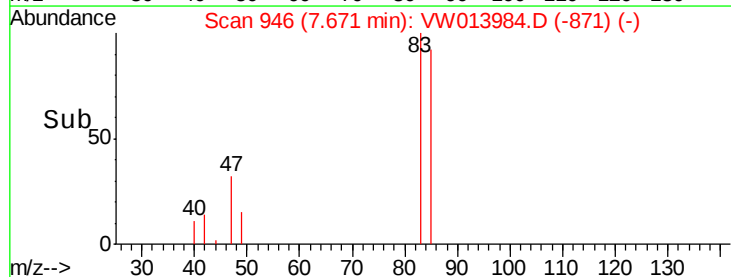
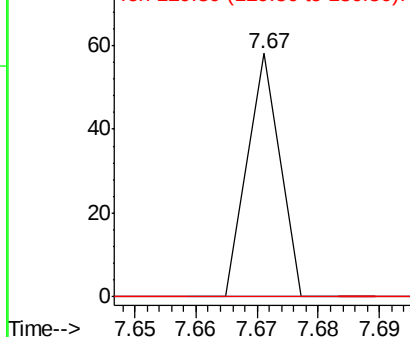


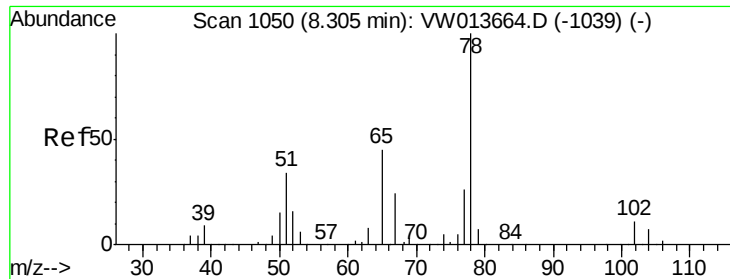
#28
Bromochloromethane
Concen: 1.353 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.16 min
Lab File: VW013984.D
Acq: 12 Nov 2019 19:06

Tgt Ion: 49 Resp: 21
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.6
130 0.0 67.5 101.3#



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

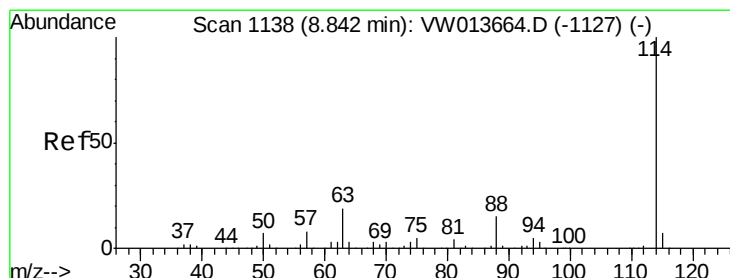
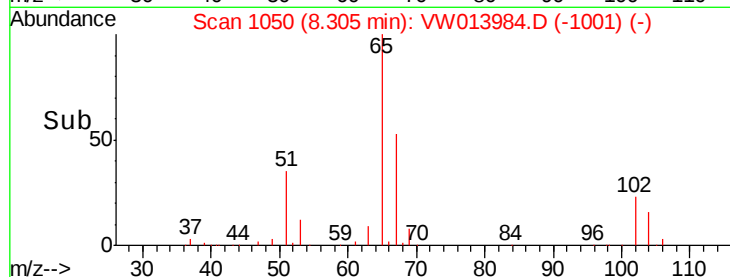
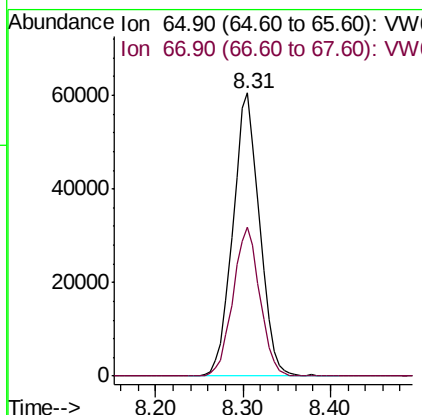
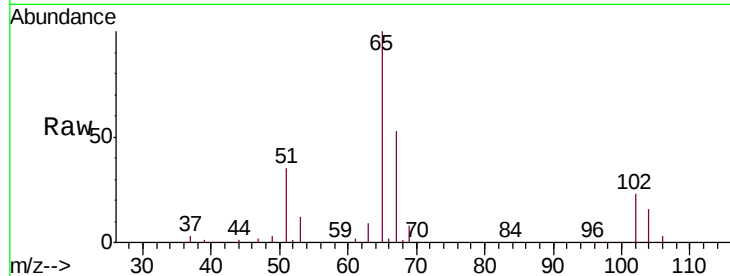




#33
 1,2-Dichloroethane-d4
 Concen: 59.594 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013984.D
 Acq: 12 Nov 2019 19:06

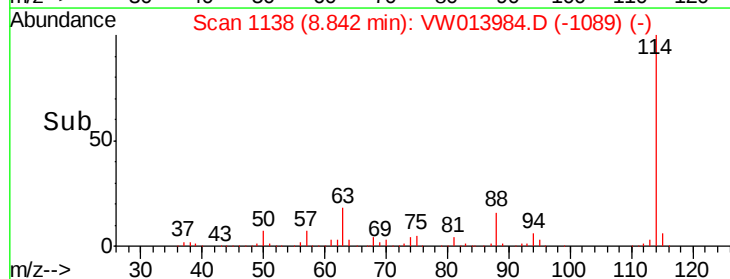
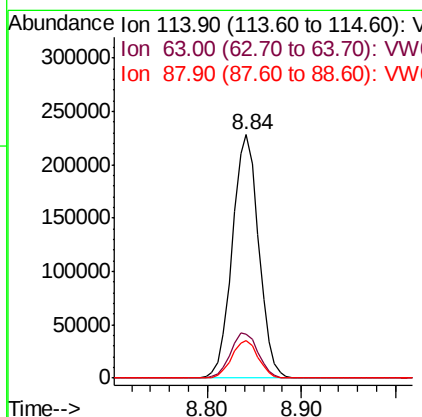
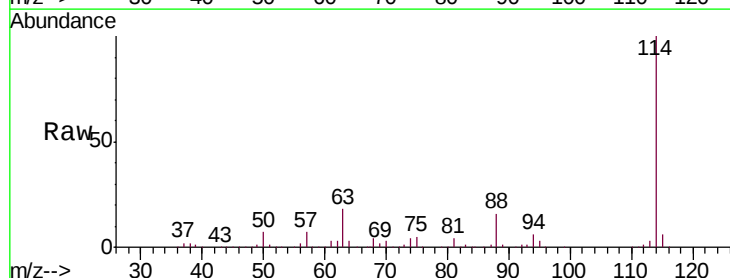
Instrument :
 MSVOA_W
 ClientSampleId :
 B-2

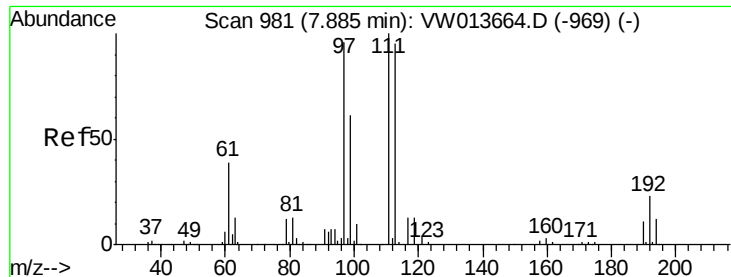
Tgt Ion: 65 Resp: 128240
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013984.D
 Acq: 12 Nov 2019 19:06

Tgt Ion: 114 Resp: 443851
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 37.6
 88 15.6 0.0 30.2

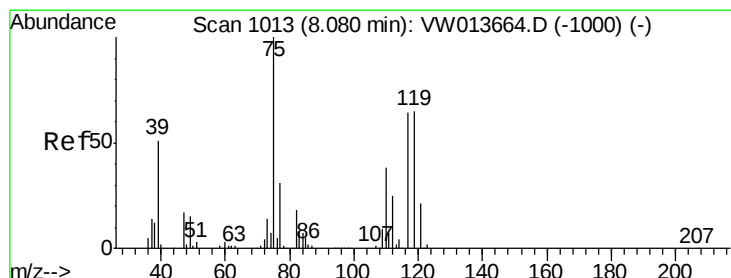
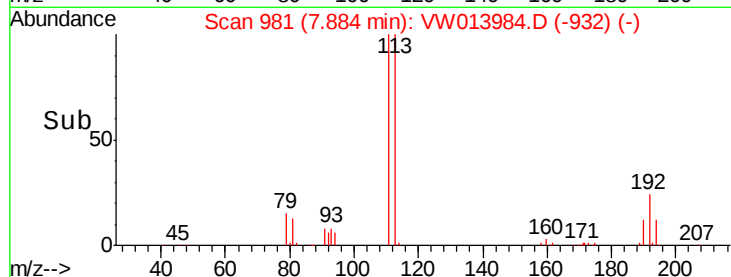
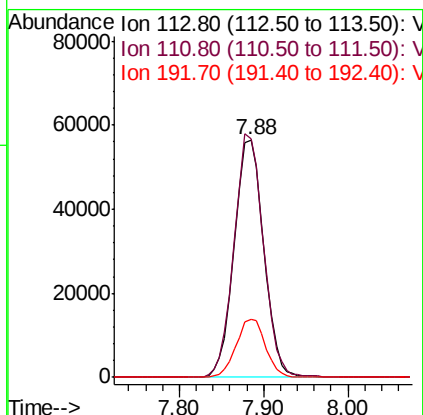
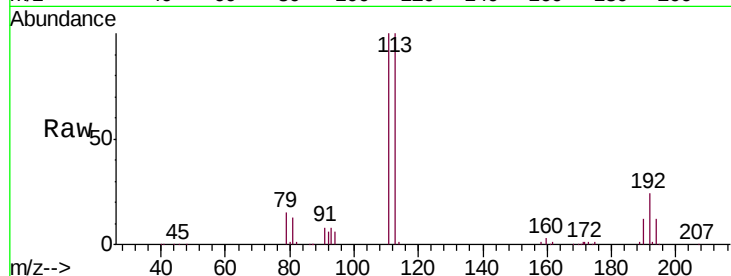




#35
 Dibromofluoromethane
 Concen: 54.309 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013984.D
 Acq: 12 Nov 2019 19:06

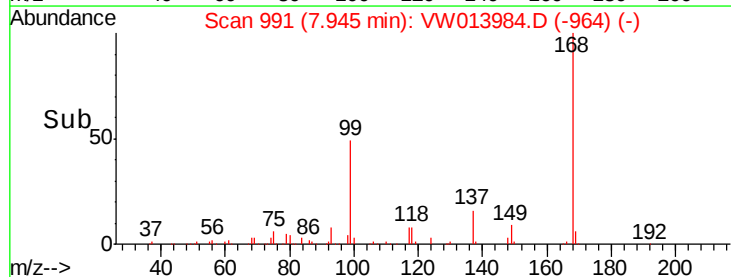
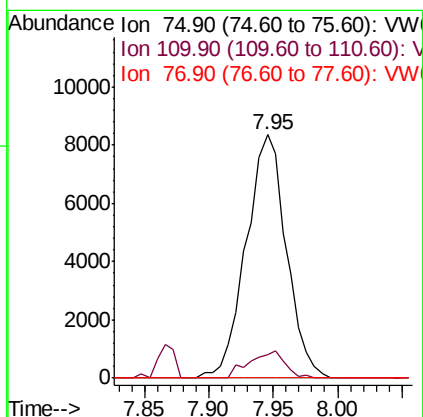
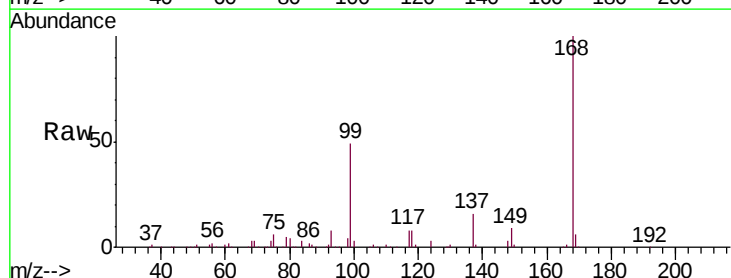
Instrument :
 MSVOA_W
 ClientSampleId :
 B-2

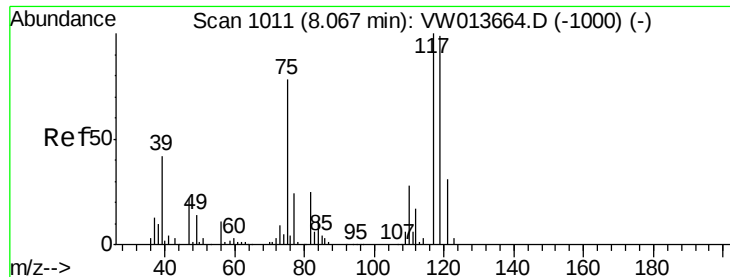
Tgt Ion: 113 Resp: 133941
 Ion Ratio Lower Upper
 113 100
 111 101.3 83.0 124.6
 192 24.2 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 4.359 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013984.D
 Acq: 12 Nov 2019 19:06

Tgt Ion: 75 Resp: 18017
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.7 56.1#
 77 0.0 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.345 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013984.D

Acq: 12 Nov 2019 19:06

Instrument :

MSVOA_W

ClientSampled :

B-2

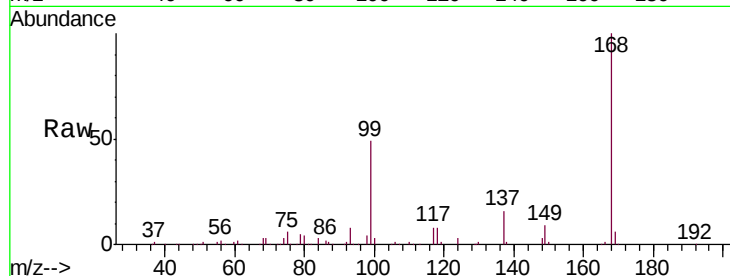
Tgt Ion:117 Resp: 23620

Ion Ratio Lower Upper

117 100

119 6.8 79.0 118.4#

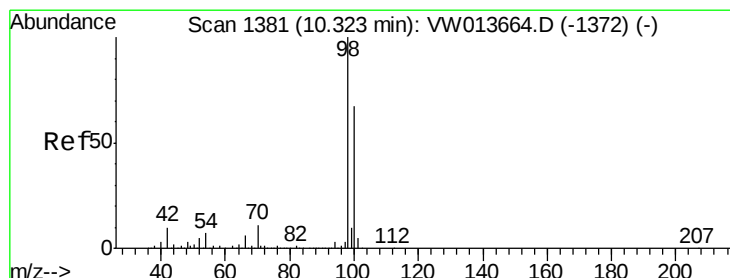
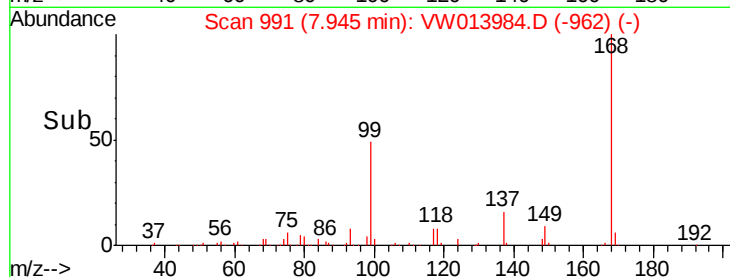
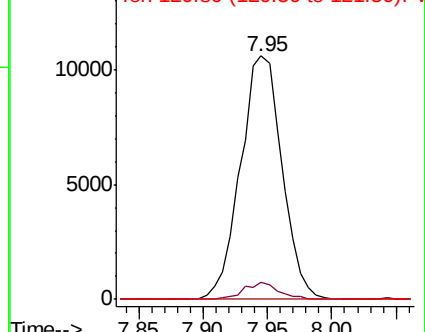
121 0.0 24.5 36.7#



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



#50

Toluene-d8

Concen: 51.662 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013984.D

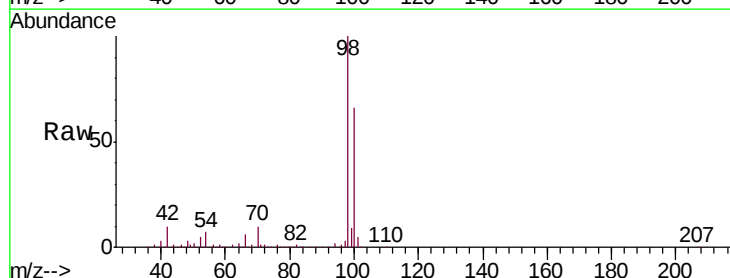
Acq: 12 Nov 2019 19:06

Tgt Ion: 98 Resp: 519179

Ion Ratio Lower Upper

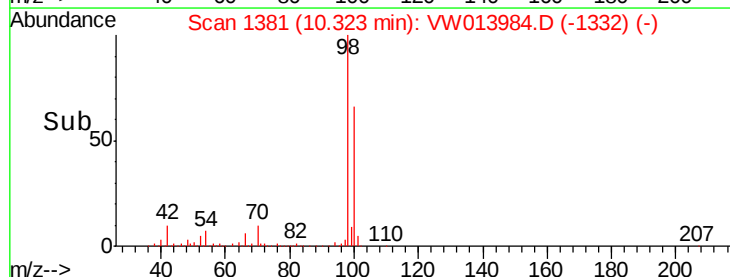
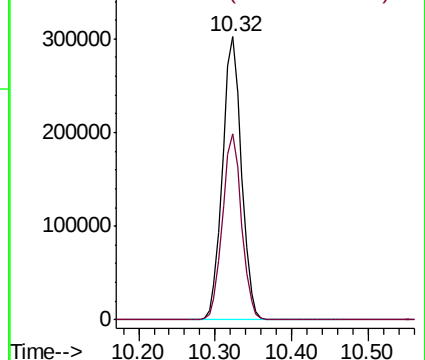
98 100

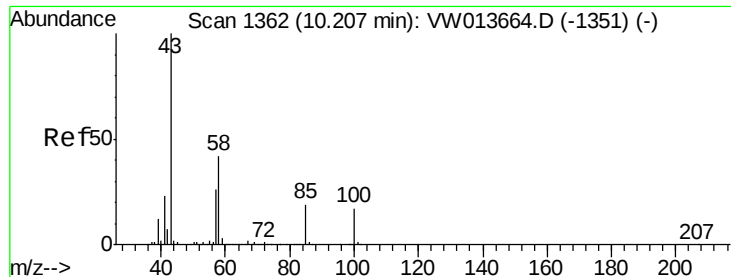
100 65.6 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

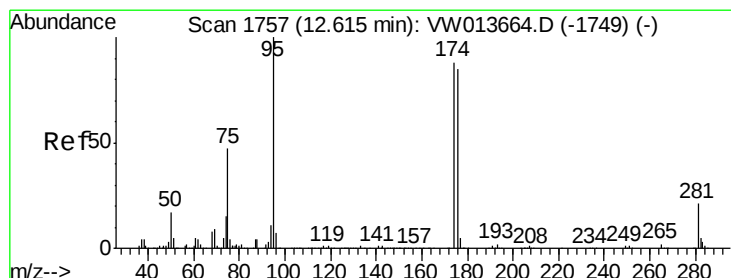
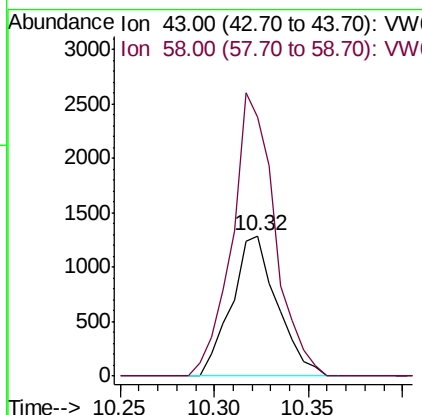
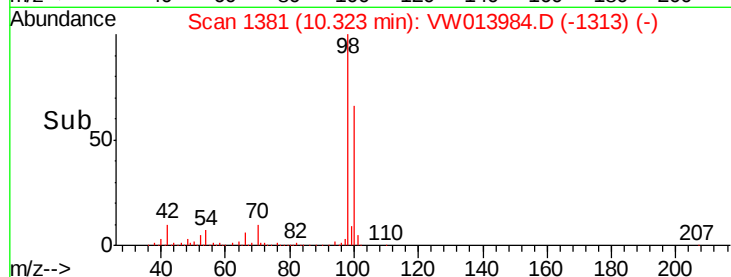
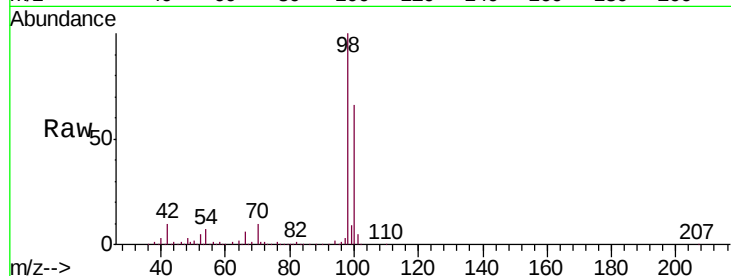




#51
 4-Methyl-2-Pentanone
 Concen: 1.442 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.12 min
 Lab File: VW013984.D
 Acq: 12 Nov 2019 19:06

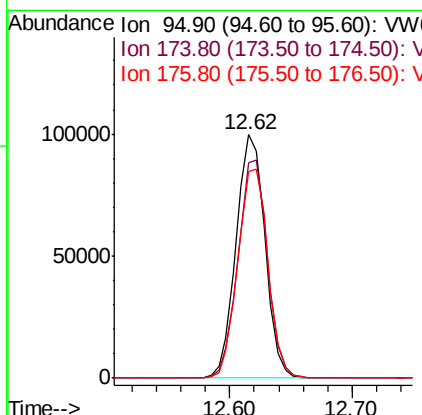
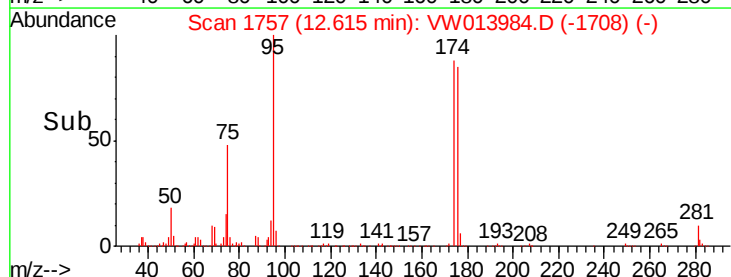
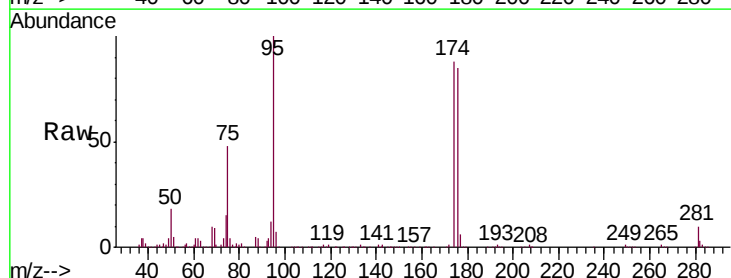
Instrument :
 MSVOA_W
 ClientSampled :
 B-2

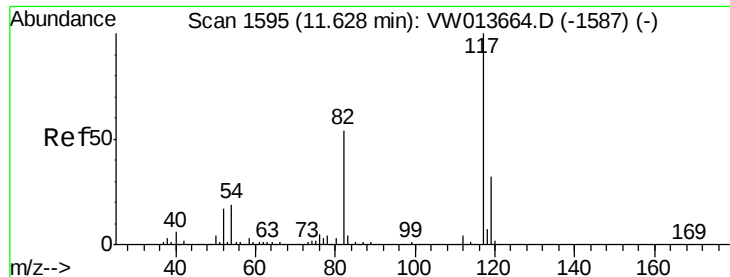
Tgt Ion: 43 Resp: 2170
 Ion Ratio Lower Upper
 43 100
 58 188.6 32.6 49.0#



#62
 4-Bromofluorobenzene
 Concen: 47.912 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013984.D
 Acq: 12 Nov 2019 19:06

Tgt Ion: 95 Resp: 163033
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 183.6
 176 89.5 0.0 178.0

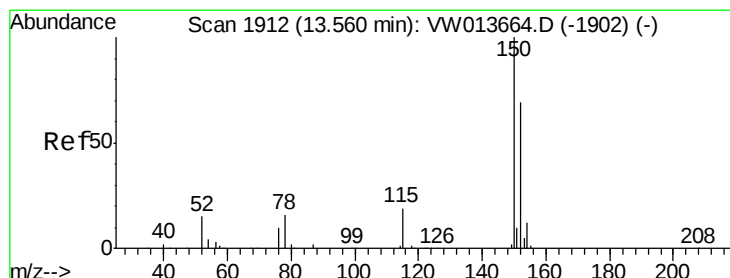
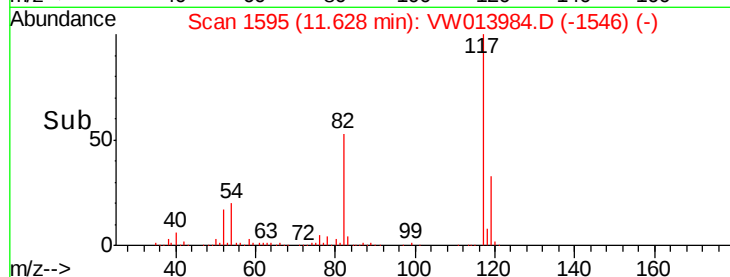
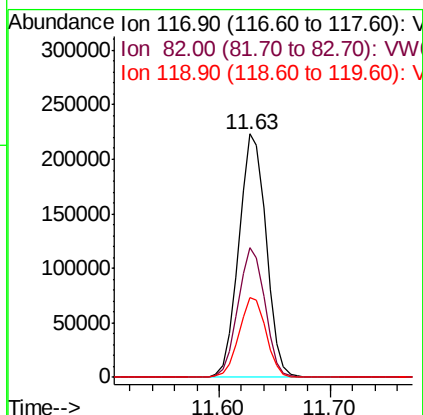
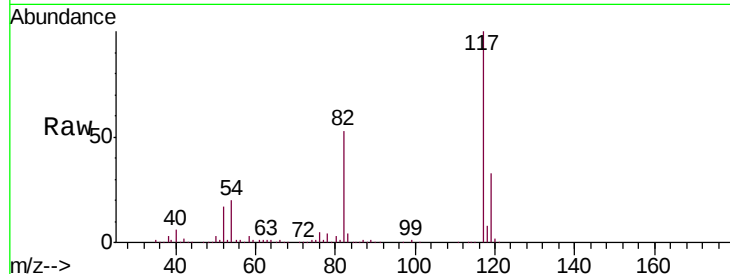




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013984.D
Acq: 12 Nov 2019 19:06

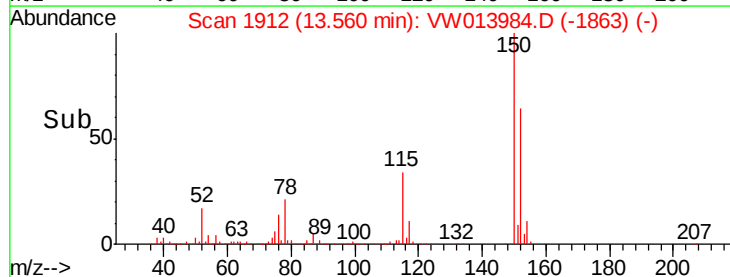
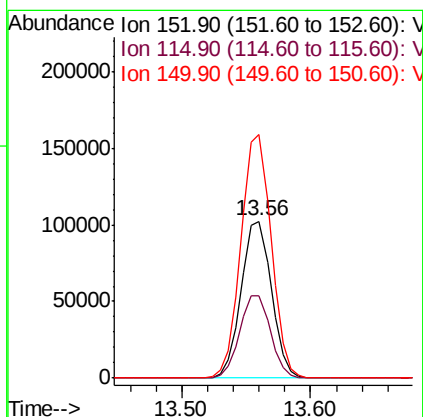
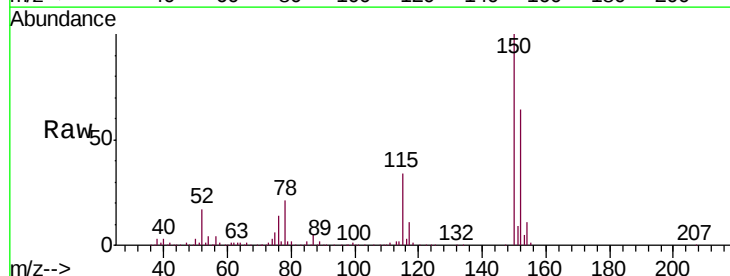
Instrument :
MSVOA_W
ClientSampleId :
B-2

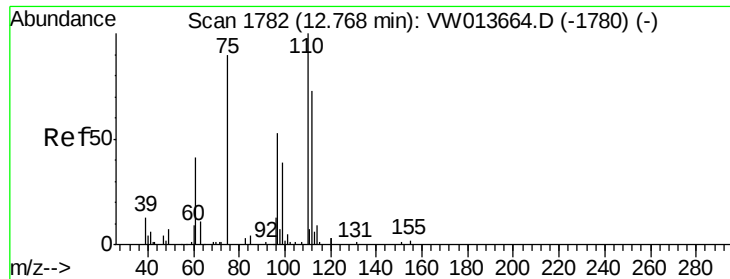
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.2	43.6	65.4
119	32.7	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013984.D
Acq: 12 Nov 2019 19:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	27.4	82.2
150	155.2	0.0	345.4





#76

1,2,3-Trichloropropane

Concen: 64.268 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013984.D

Acq: 12 Nov 2019 19:06

Instrument :

MSVOA_W

ClientSampled :

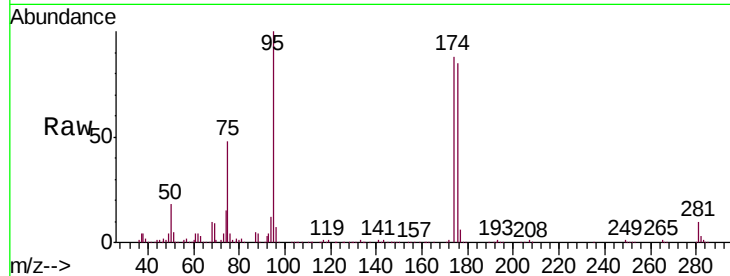
B-2

Tgt Ion: 75 Resp: 76789

Ion Ratio Lower Upper

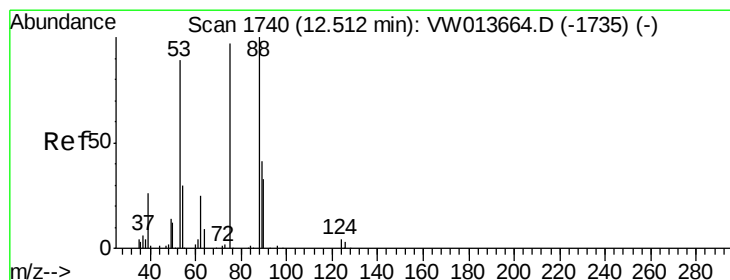
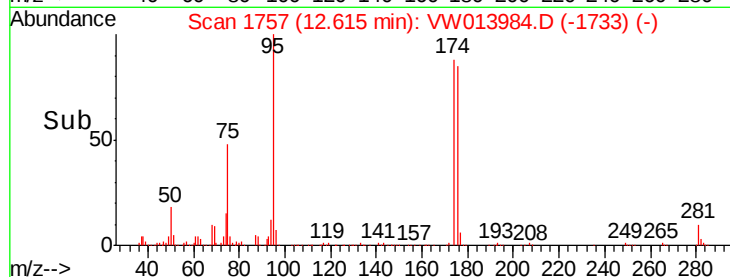
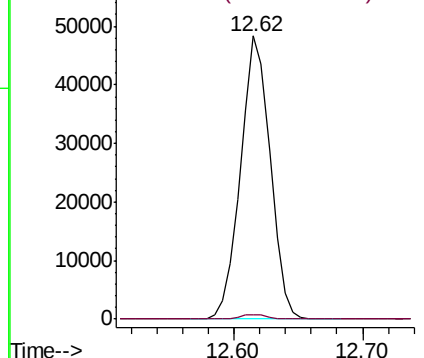
75 100

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: 121.458 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013984.D

Acq: 12 Nov 2019 19:06

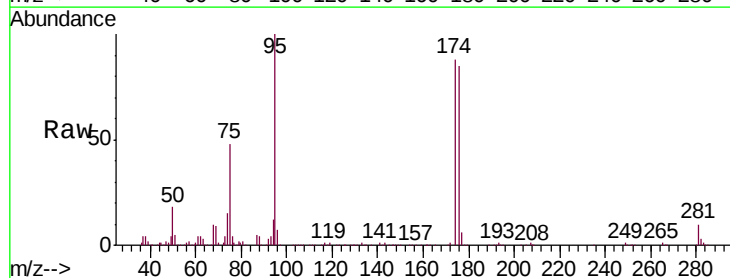
Tgt Ion: 75 Resp: 76789

Ion Ratio Lower Upper

75 100

53 0.0 71.7 107.5#

89 0.2 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

