

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102819\
 Data File : VW013768.D
 Acq On : 28 Oct 2019 15:57
 Operator : SY/VA
 Sample : K5539-12RE
 Misc : 8.85G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 29 11:47:05 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

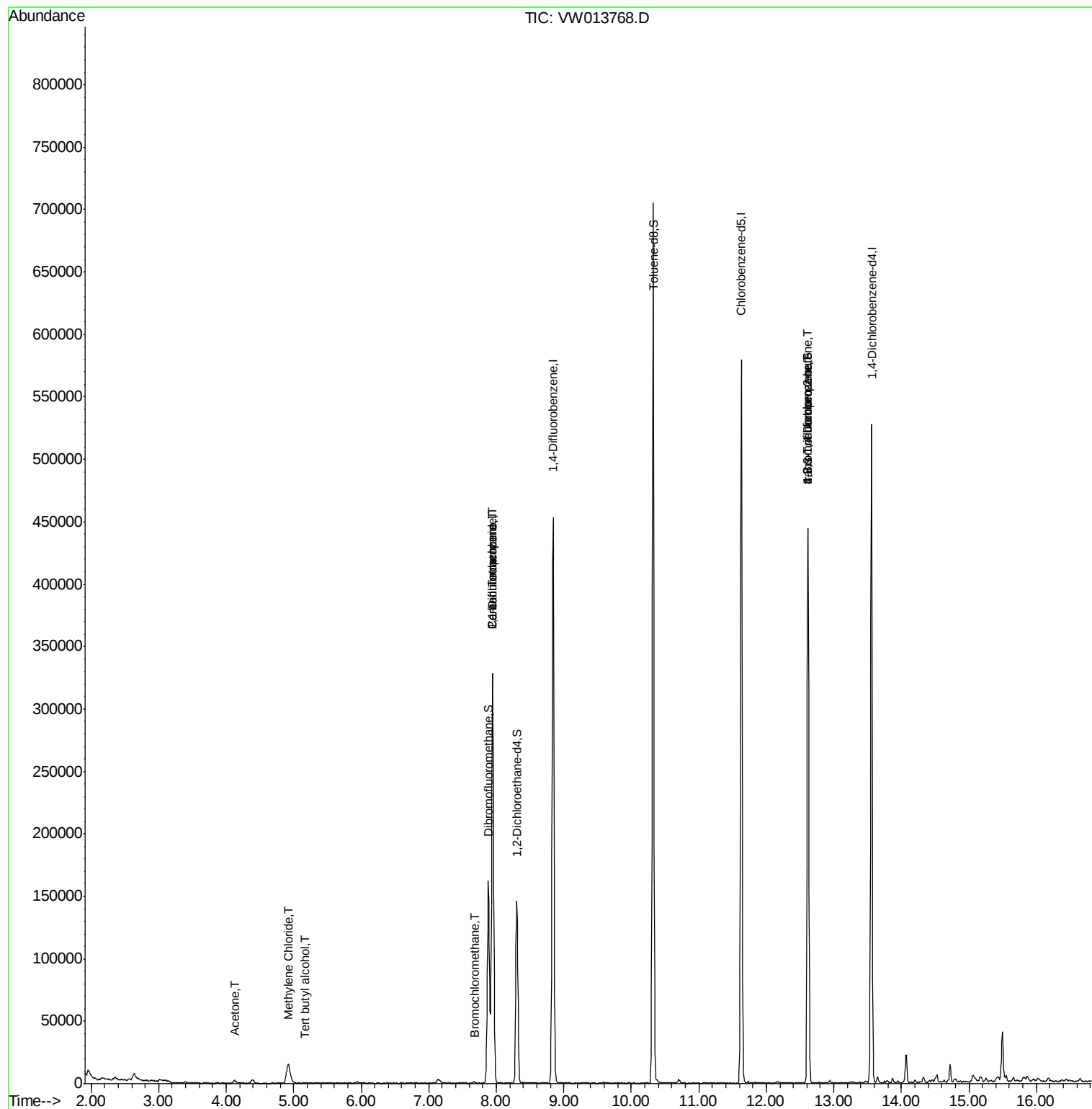
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	274012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	408642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	344097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	155665	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	113740	55.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.66%	
35) Dibromofluoromethane	7.88	113	116970	51.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.02%	
50) Toluene-d8	10.32	98	471512	50.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.62	95	146915	46.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.78%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.16	59	309	2.518	ug/l #	71
16) Acetone	4.12	43	3967	9.102	ug/l #	85
20) Methylene Chloride	4.93	84	14601	1.481	ug/l	97
28) Bromochloromethane	7.67	49	102	1.404	ug/l #	7
36) 1,1-Dichloropropene	7.94	75	17379	4.567	ug/l #	49
38) Carbon Tetrachloride	7.95	117	22579	6.588	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	68525	61.298	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	68525	115.845	ug/l #	14

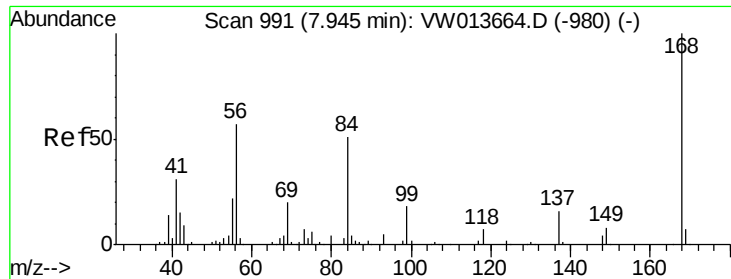
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
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: VW013768.D

Acq: 28 Oct 2019 15:57

Instrument :

MSVOA_W

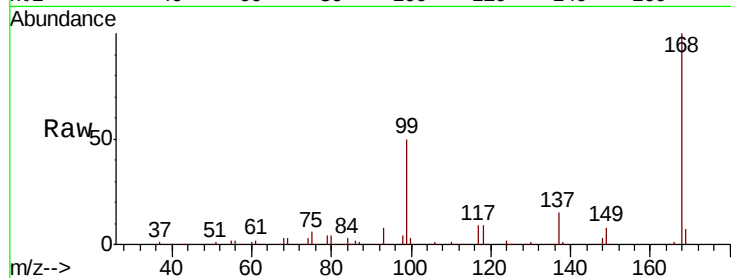
ClientSampleId :

Tot Ion:168 Resp: 274012

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

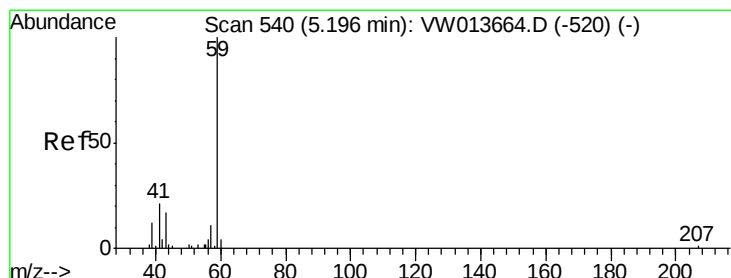
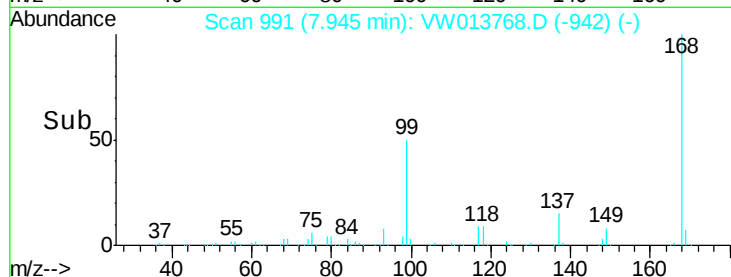
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.518 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.04 min

Lab File: VW013768.D

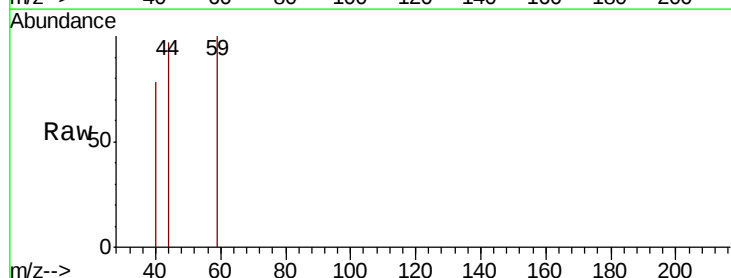
Acq: 28 Oct 2019 15:57

Tgt Ion: 59 Resp: 309

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

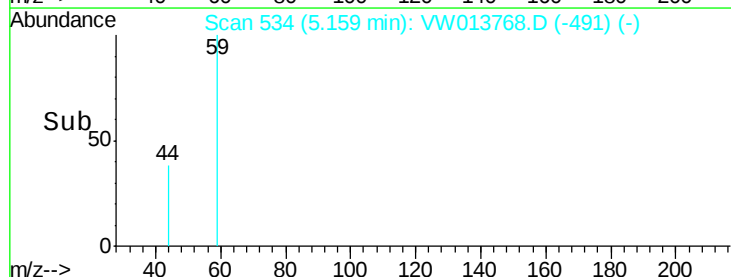
150

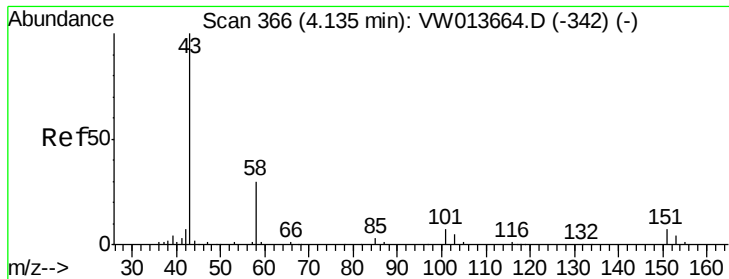
100

50

0

Time--> 5.10 5.12 5.14 5.16 5.18

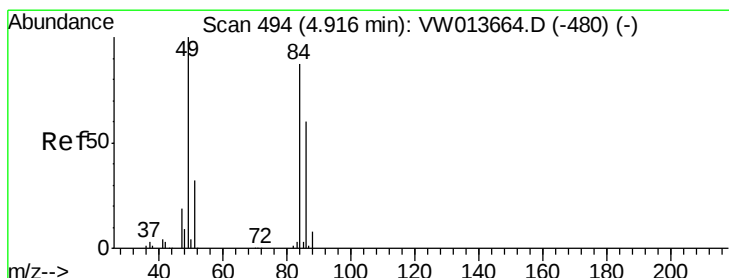
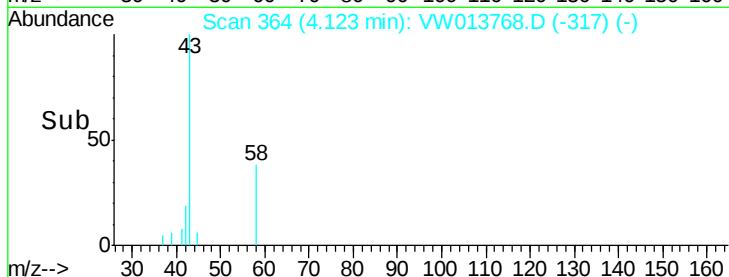
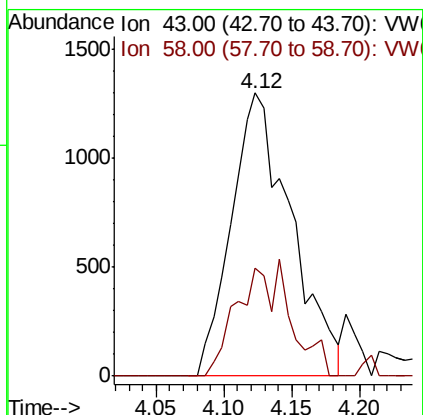
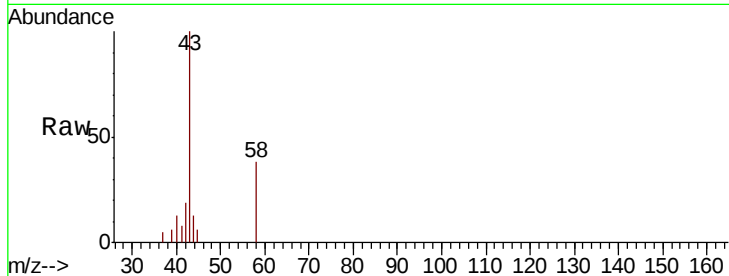




#16
Acetone
Concen: 9.102 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.01 min
Lab File: VW013768.D
Acq: 28 Oct 2019 15:57

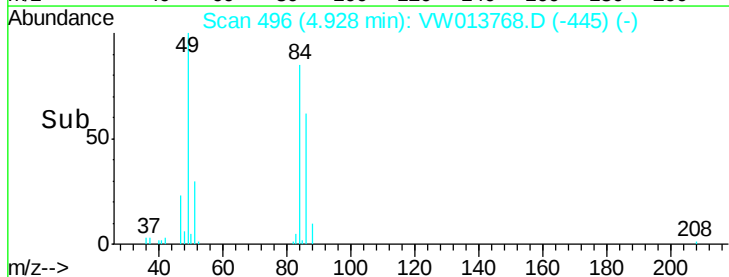
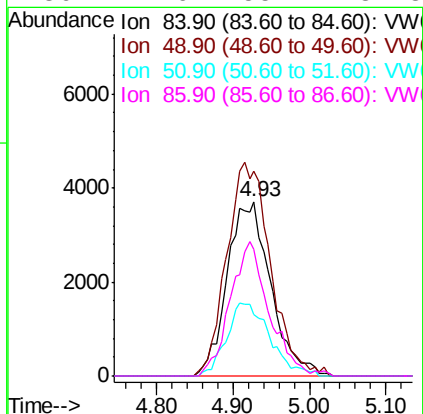
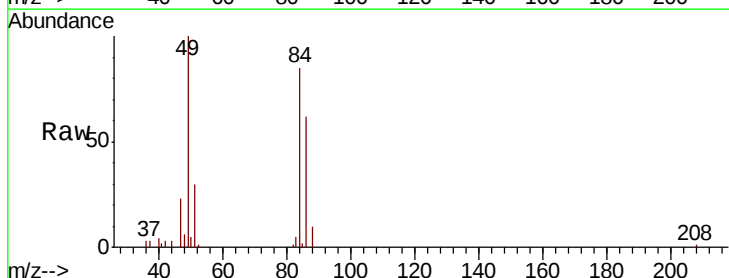
Instrument :
MSVOA_W
ClientSampled :

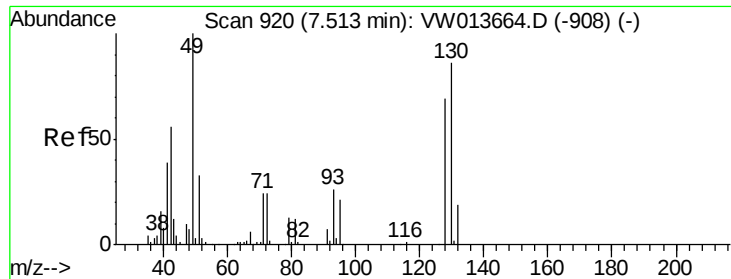
Tot Ion: 43 Resp: 3967
Ion Ratio Lower Upper
43 100
58 38.4 24.1 36.1#



#20
Methylene Chloride
Concen: 1.481 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW013768.D
Acq: 28 Oct 2019 15:57

Tgt Ion: 84 Resp: 14601
Ion Ratio Lower Upper
84 100
49 117.8 91.8 137.6
51 35.2 29.8 44.6
86 72.6 55.2 82.8





#28

Bromochloromethane

Concen: 1.404 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.16 min

Lab File: VW013768.D

Acq: 28 Oct 2019 15:57

Instrument :
MSVOA_W
ClientSampled :

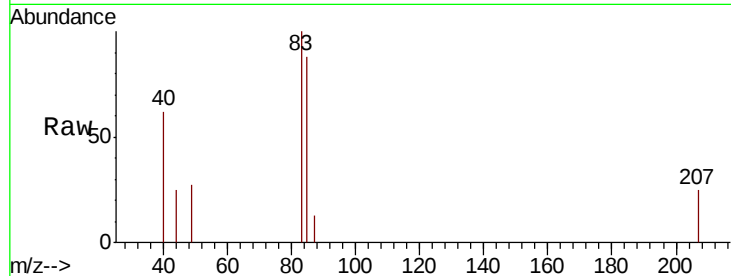
Tot Ion: 49 Resp: 102

Ion Ratio Lower Upper

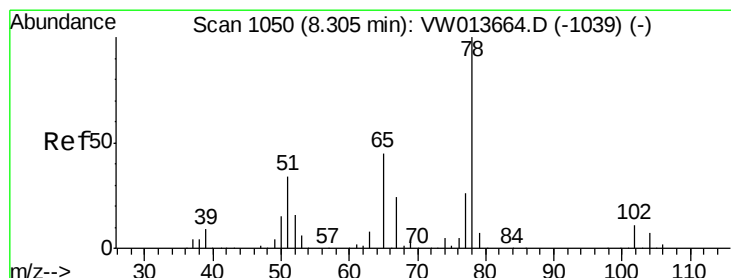
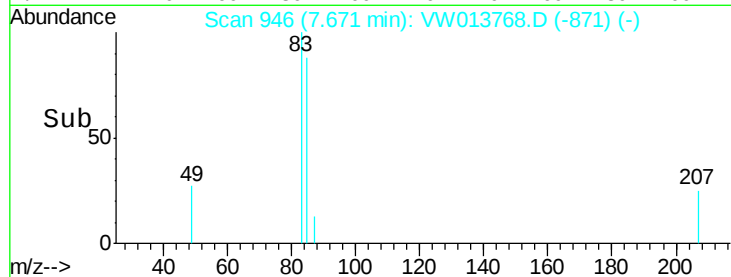
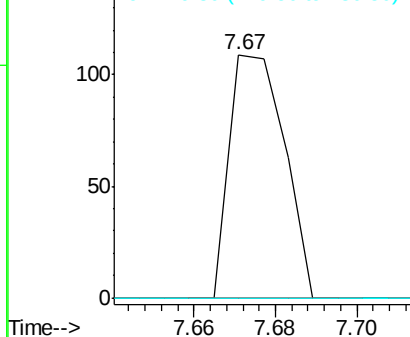
49 100

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: 55.333 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013768.D

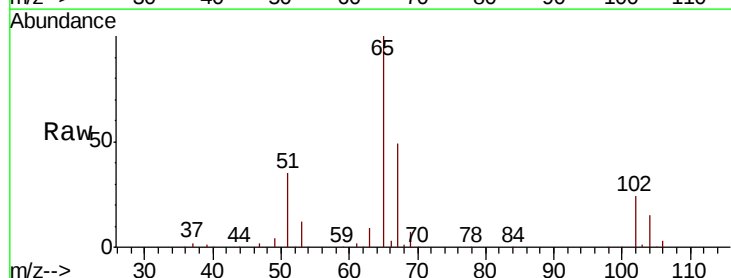
Acq: 28 Oct 2019 15:57

Tgt Ion: 65 Resp: 113740

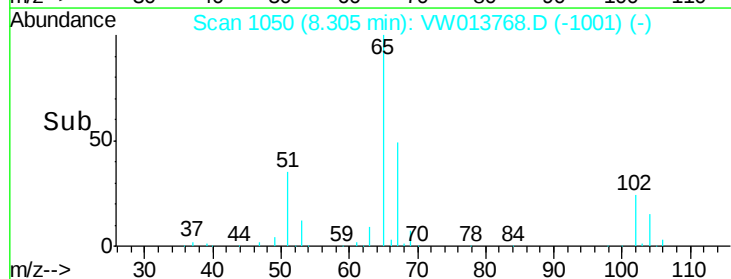
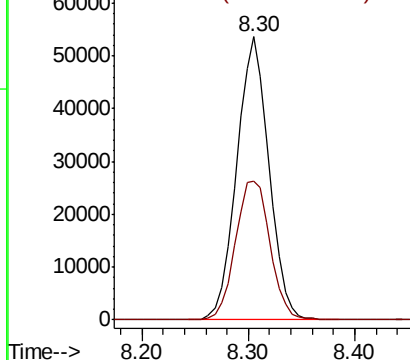
Ion Ratio Lower Upper

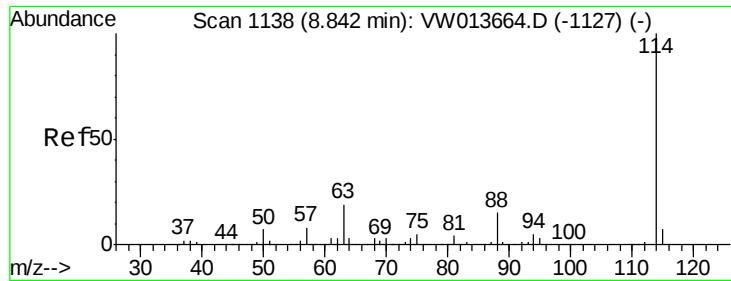
65 100

67 52.7 0.0 109.4



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

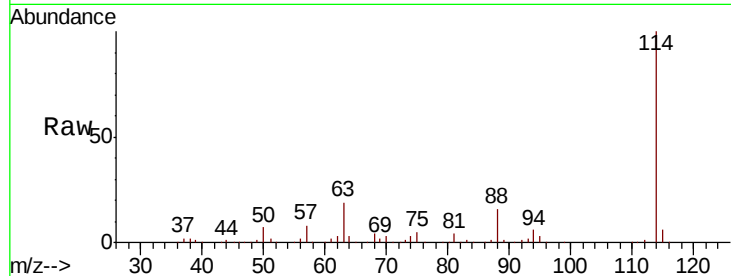




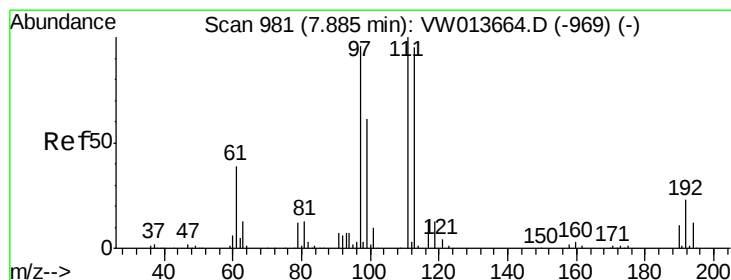
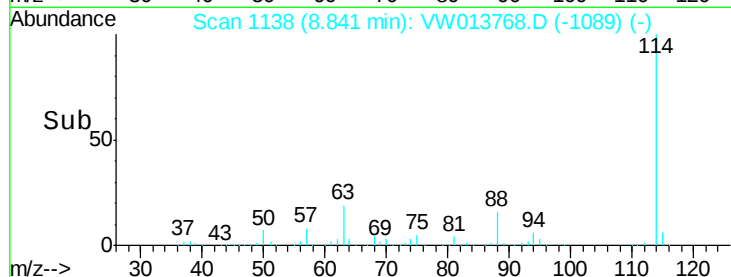
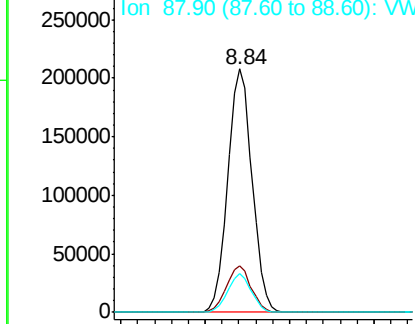
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW013768.D
Acq: 28 Oct 2019 15:57

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:114 Resp: 408642
Ion Ratio Lower Upper
114 100
63 18.9 0.0 37.6
88 15.7 0.0 30.2

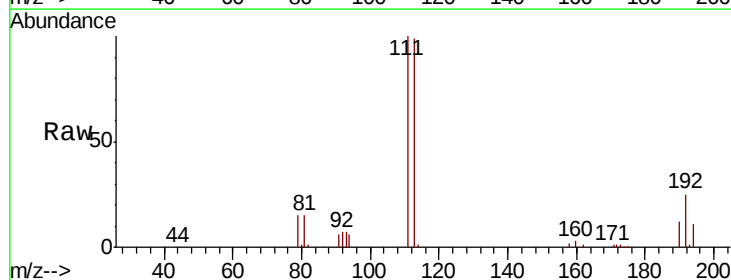


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

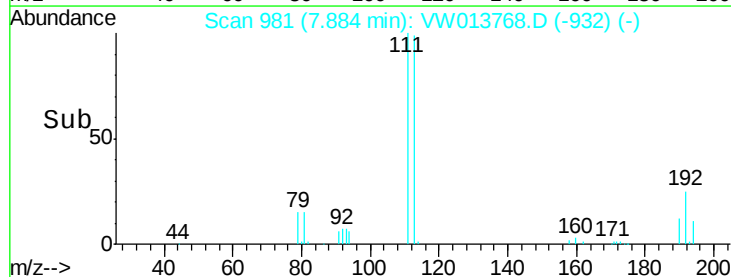
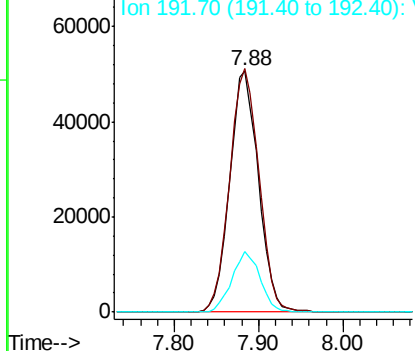


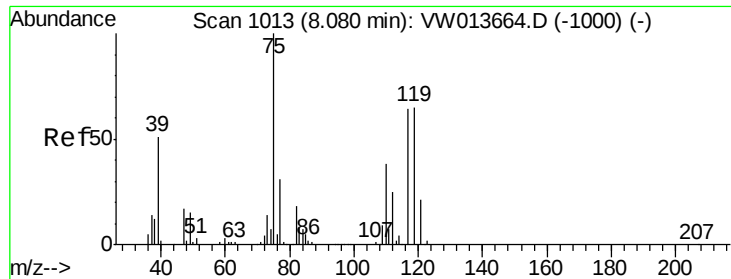
#35
Dibromofluoromethane
Concen: 51.514 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW013768.D
Acq: 28 Oct 2019 15:57

Tgt Ion:113 Resp: 116970
Ion Ratio Lower Upper
113 100
111 103.2 83.0 124.6
192 24.5 19.4 29.2



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

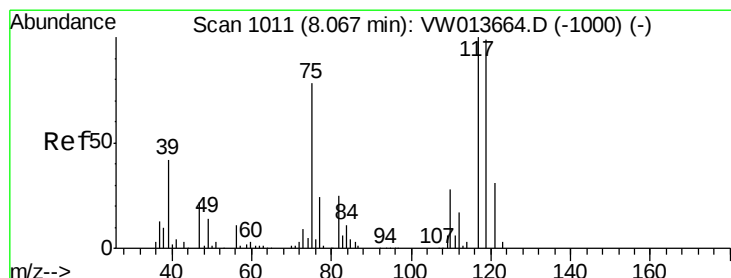
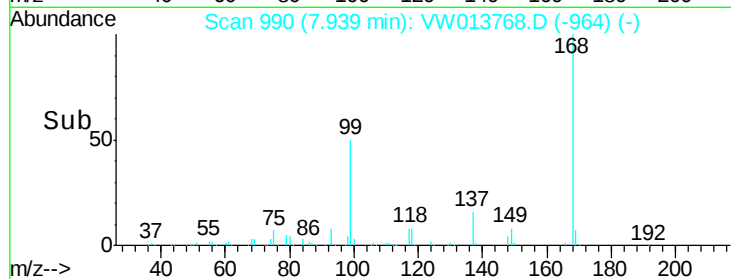
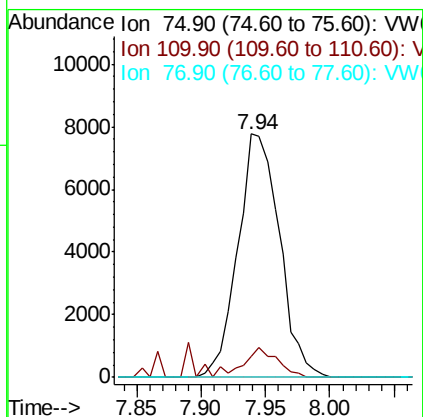
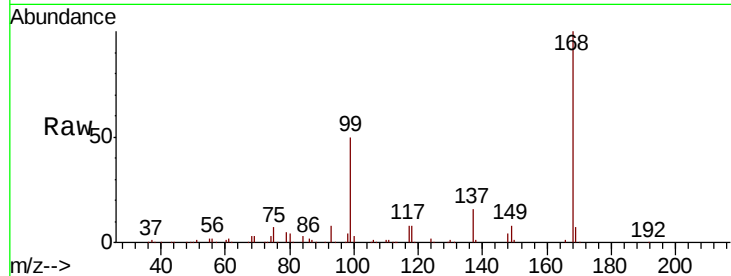




#36
 1,1-Dichloropropene
 Concen: 4.567 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013768.D
 Acq: 28 Oct 2019 15:57

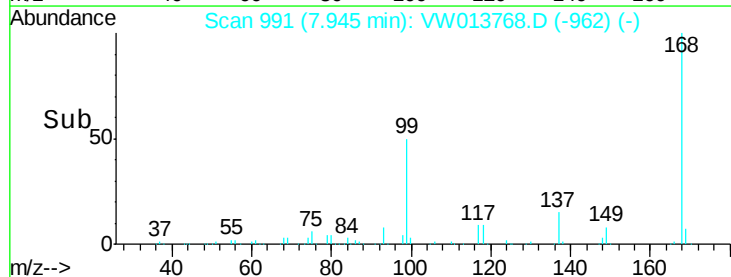
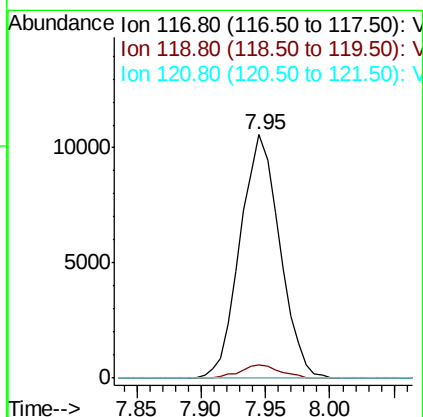
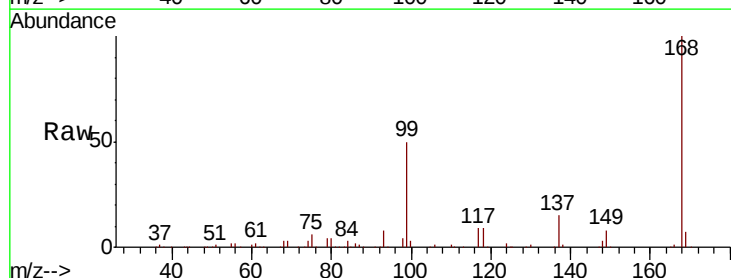
Instrument :
 MSVOA_W
 ClientSampled :

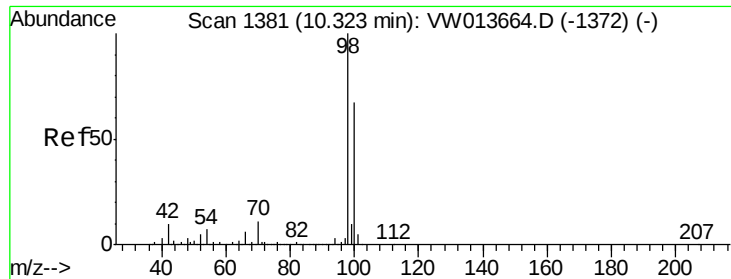
Tot Ion: 75 Resp: 17379
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.7 56.1#
 77 0.0 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 6.588 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013768.D
 Acq: 28 Oct 2019 15:57

Tgt Ion: 117 Resp: 22579
 Ion Ratio Lower Upper
 117 100
 119 5.6 79.0 118.4#
 121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 50.962 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013768.D

Acq: 28 Oct 2019 15:57

Instrument :

MSVOA_W

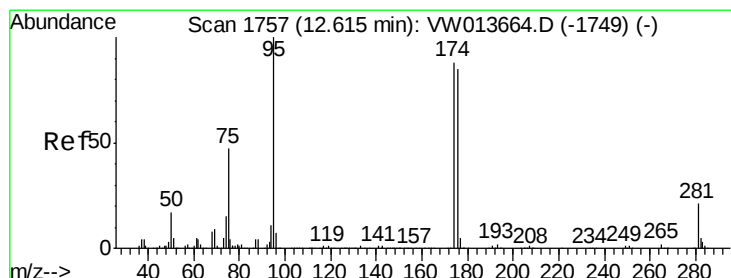
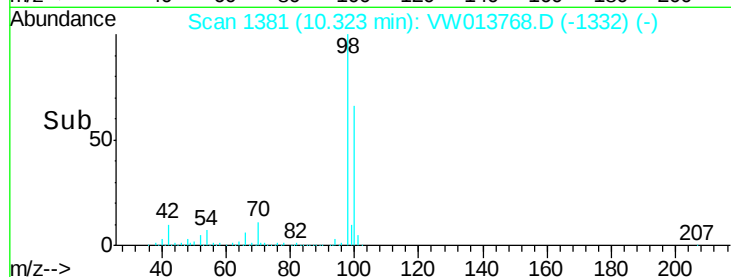
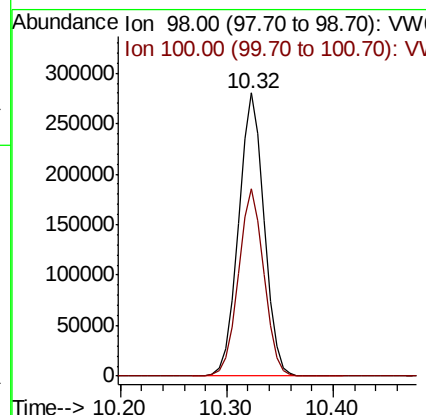
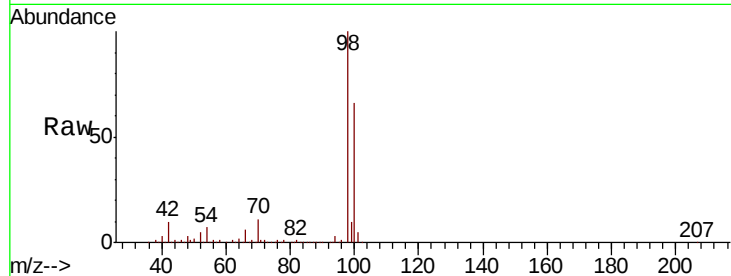
ClientSampled :

Tot Ion: 98 Resp: 471512

Ion Ratio Lower Upper

98 100

100 65.9 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 46.895 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013768.D

Acq: 28 Oct 2019 15:57

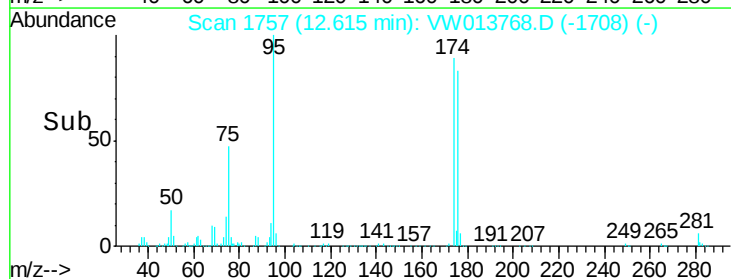
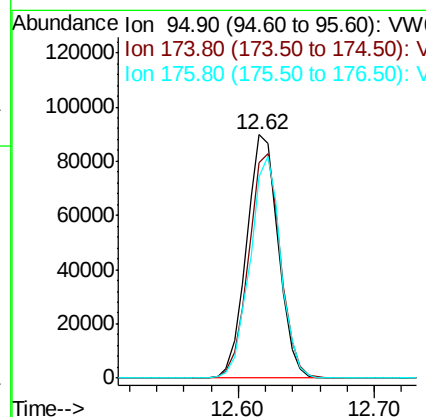
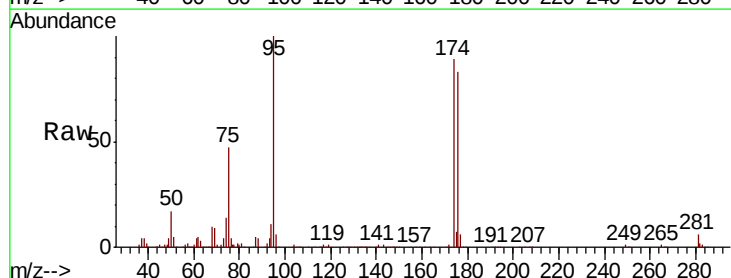
Tgt Ion: 95 Resp: 146915

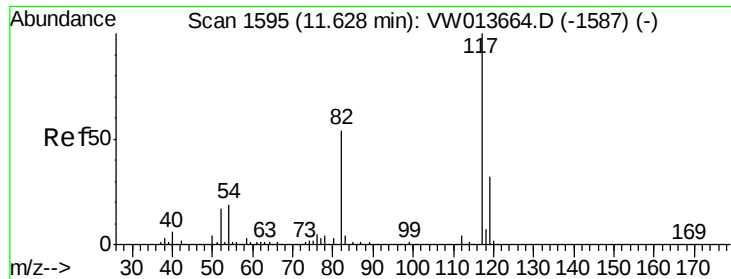
Ion Ratio Lower Upper

95 100

174 92.1 0.0 183.6

176 88.4 0.0 178.0

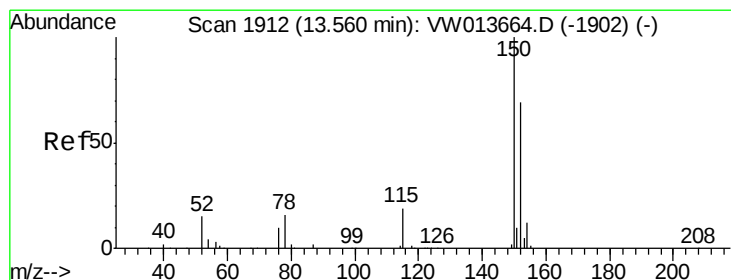
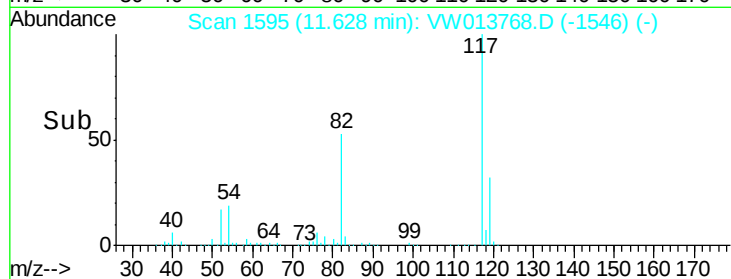
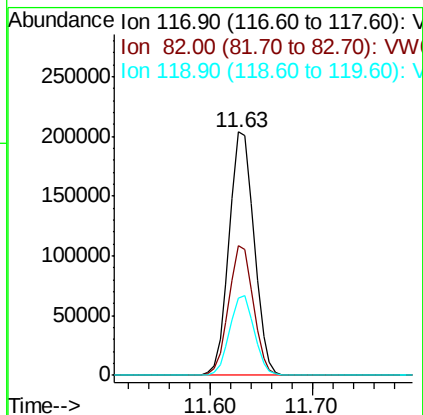
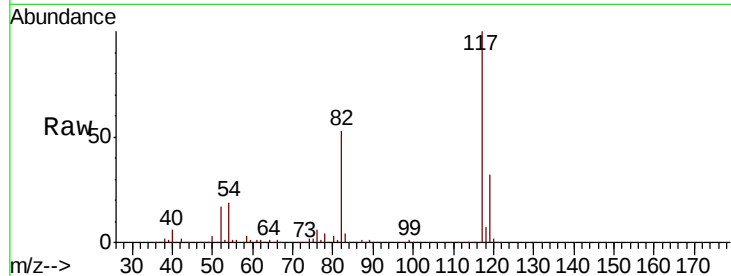




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013768.D
Acq: 28 Oct 2019 15:57

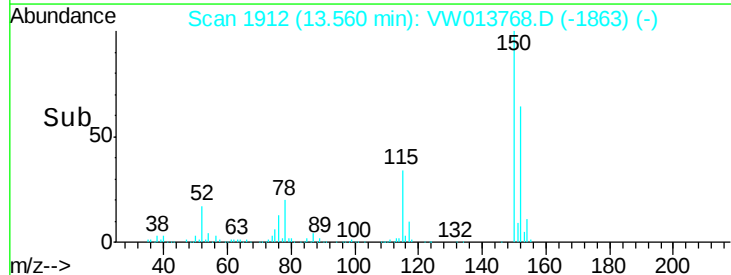
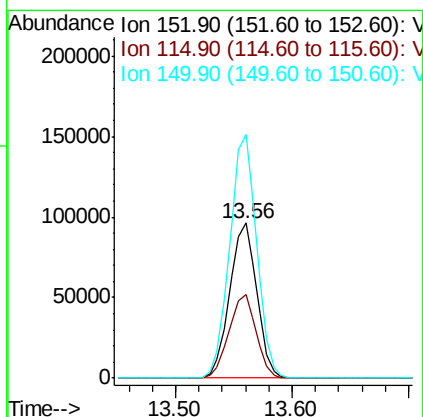
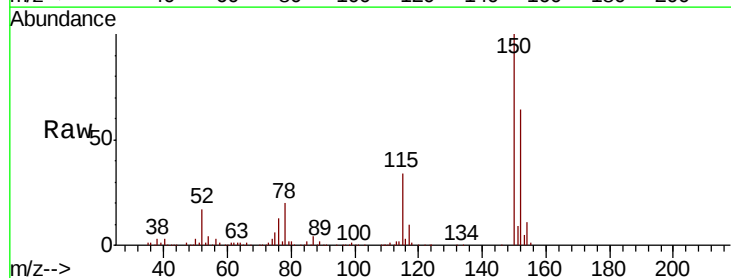
Instrument :
MSVOA_W
ClientSampleId :

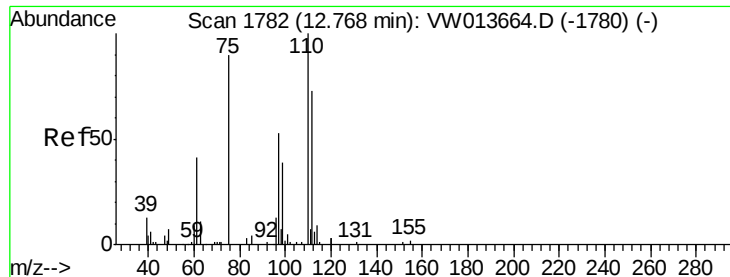
Tot Ion:117 Resp: 344097
Ion Ratio Lower Upper
117 100
82 53.4 43.6 65.4
119 31.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013768.D
Acq: 28 Oct 2019 15:57

Tgt Ion:152 Resp: 155665
Ion Ratio Lower Upper
152 100
115 54.3 27.4 82.2
150 156.3 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 61.298 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013768.D

Acq: 28 Oct 2019 15:57

Instrument :

MSVOA_W

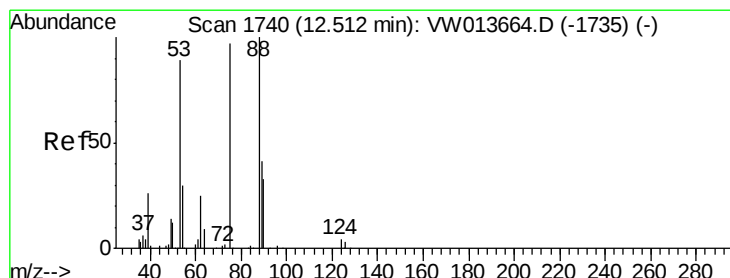
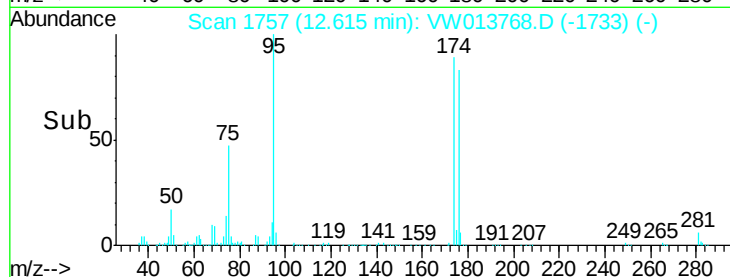
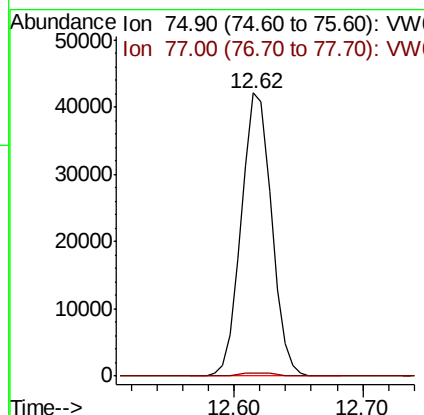
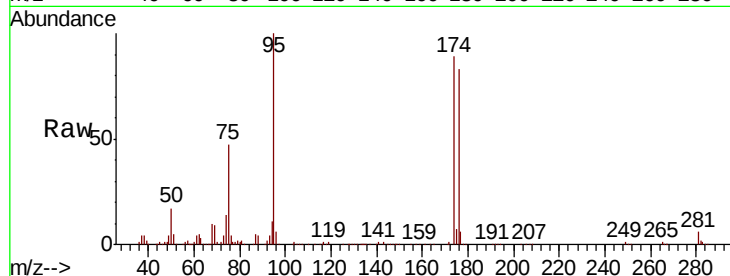
ClientSampleId :

Tot Ion: 75 Resp: 68525

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 115.845 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013768.D

Acq: 28 Oct 2019 15:57

Tgt Ion: 75 Resp: 68525

Ion Ratio Lower Upper

75 100

53 0.0 71.7 107.5#

89 0.1 35.8 53.8#

