

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102819\
 Data File : VW013776.D
 Acq On : 28 Oct 2019 19:25
 Operator : SY/VA
 Sample : K5542-18
 Misc : 4.79G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 29 11:48:25 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	274071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	413114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	331660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	124782	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	120516	58.62	ug/l	0.00
Spiked Amount			Recovery	=	117.24%	
35) Dibromofluoromethane	7.88	113	121335	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
50) Toluene-d8	10.32	98	468406	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.62	95	131149	41.41	ug/l	0.00
Spiked Amount			Recovery	=	82.82%	

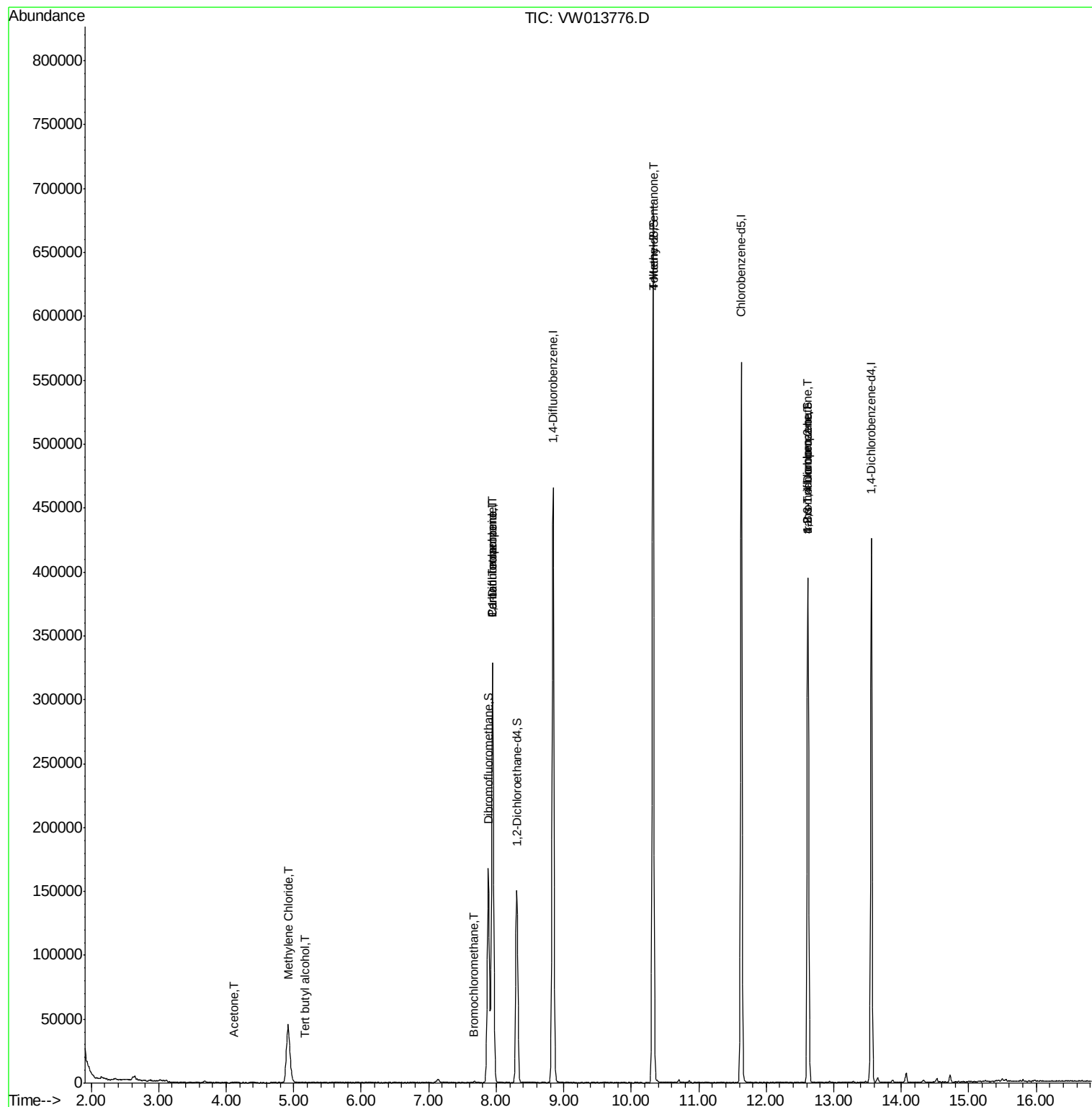
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	167	1.361	ug/l #	71
16) Acetone	4.12	43	596	1.367	ug/l #	78
20) Methylene Chloride	4.92	84	42465	14.316	ug/l	97
28) Bromochloromethane	7.67	49	51	1.372	ug/l #	7
36) 1,1-Dichloropropene	7.94	75	17046	4.431	ug/l #	48
38) Carbon Tetrachloride	7.95	117	23338	6.736	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	1894	1.352	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	61265	68.368	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	61265	129.206	ug/l #	14

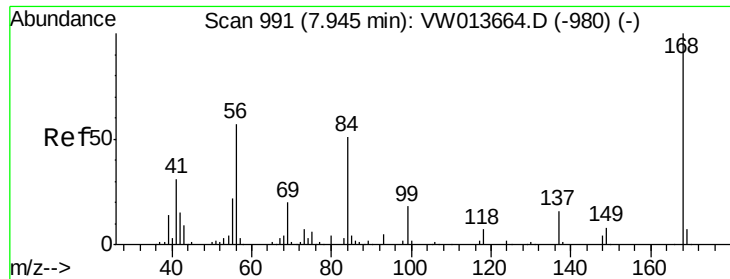
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013776.D

Acq: 28 Oct 2019 19:25

Instrument :

MSVOA_W

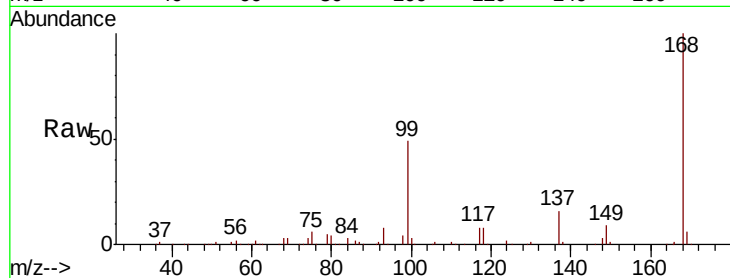
ClientSampled :

Tot Ion:168 Resp: 274071

Ion Ratio Lower Upper

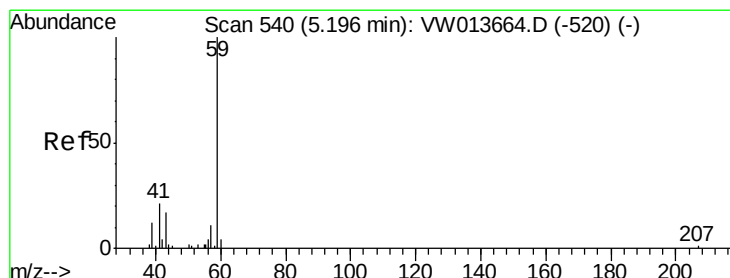
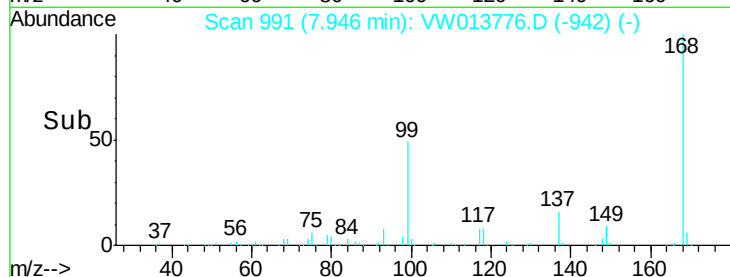
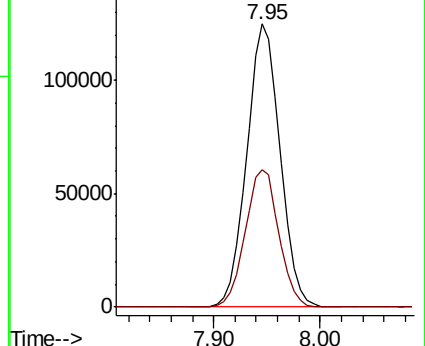
168 100

99 48.8 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.361 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.02 min

Lab File: VW013776.D

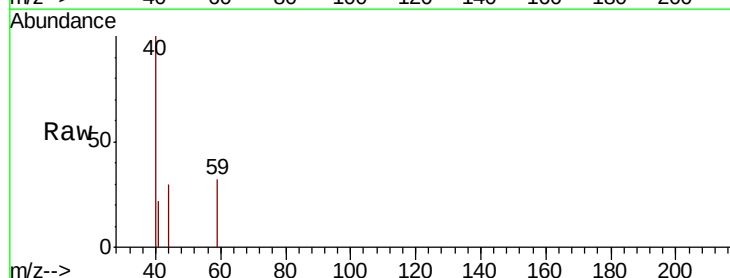
Acq: 28 Oct 2019 19:25

Tgt Ion: 59 Resp: 167

Ion Ratio Lower Upper

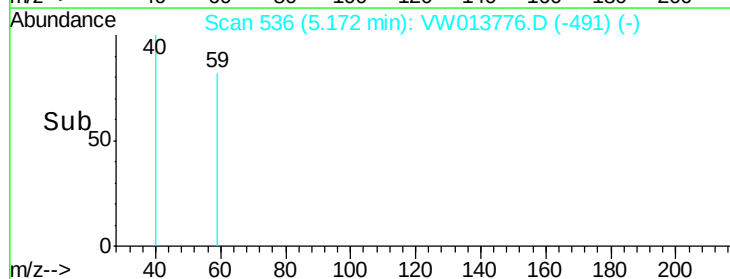
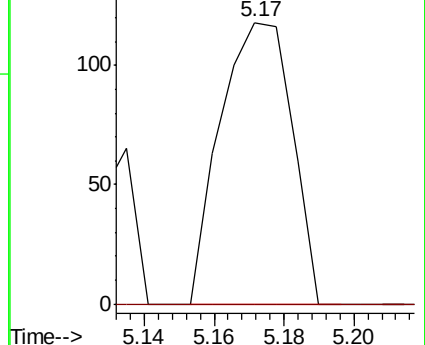
59 100

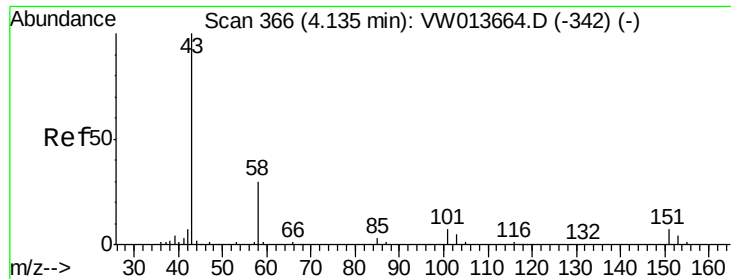
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 1.367 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW013776.D

Acq: 28 Oct 2019 19:25

Instrument :

MSVOA_W

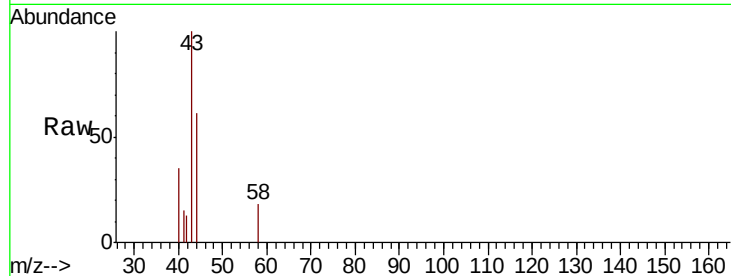
ClientSampled :

Tot Ion: 43 Resp: 596

Ion Ratio Lower Upper

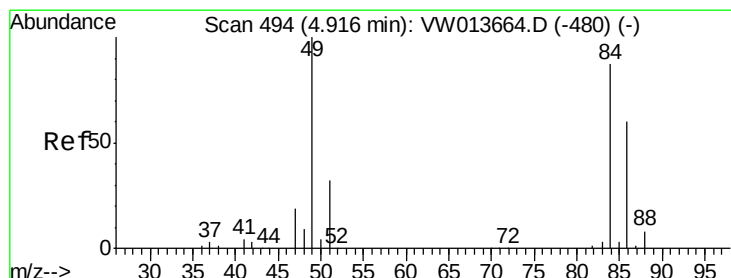
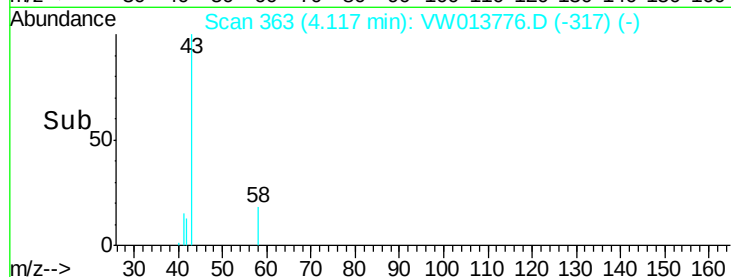
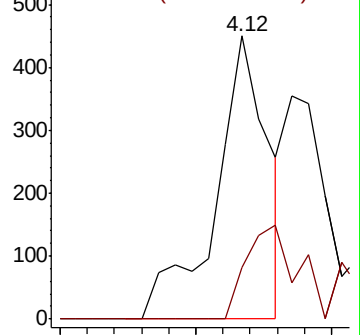
43 100

58 18.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 14.316 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW013776.D

Acq: 28 Oct 2019 19:25

Tgt Ion: 84 Resp: 42465

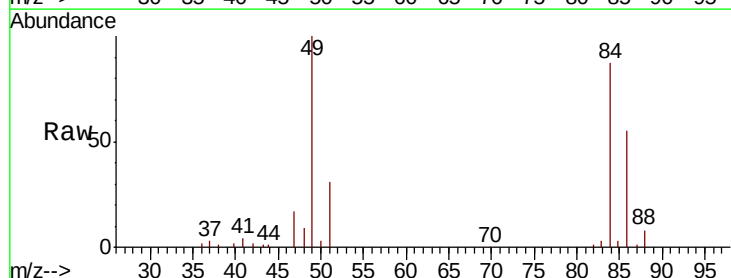
Ion Ratio Lower Upper

84 100

49 115.1 91.8 137.6

51 35.2 29.8 44.6

86 63.6 55.2 82.8

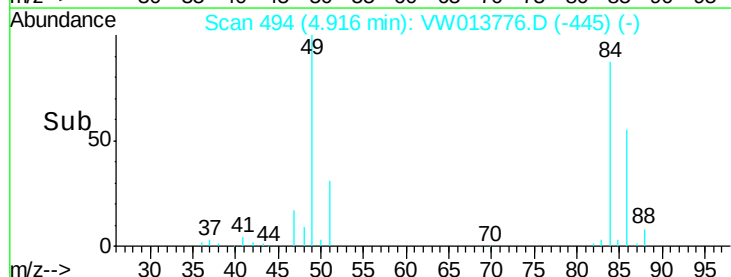
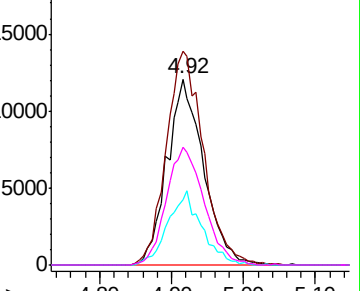


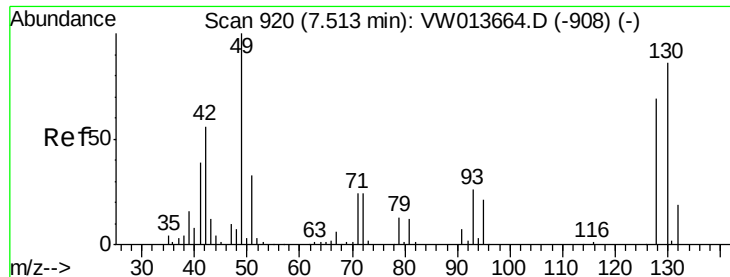
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.372 ug/l

RT: 7.67 min Scan# 945

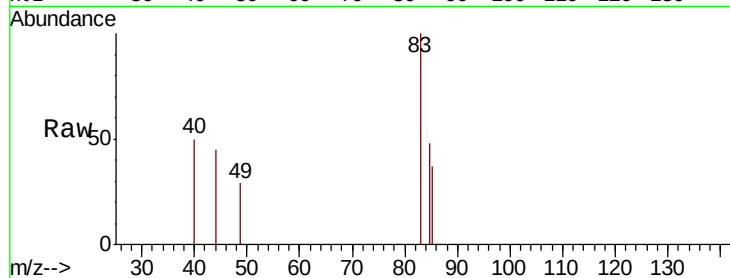
Delta R.T. 0.15 min

Lab File: VW013776.D

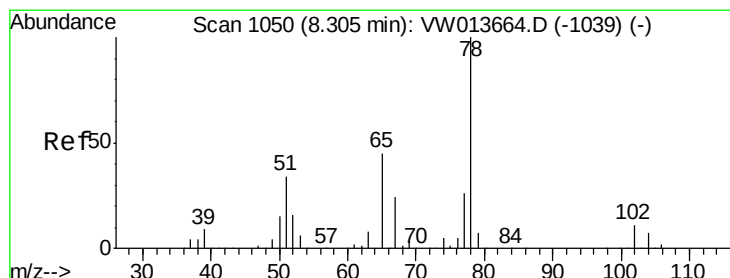
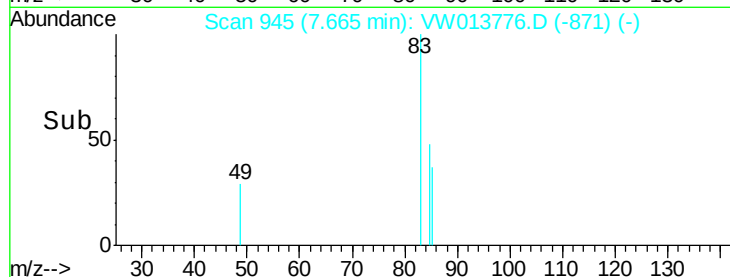
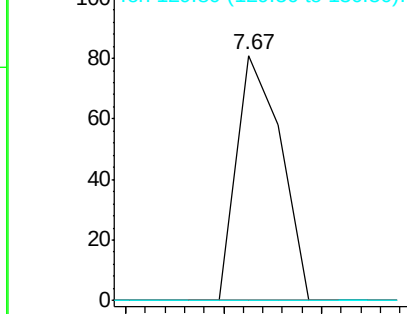
Acq: 28 Oct 2019 19:25

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 49 Resp: 51
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: 58.617 ug/l

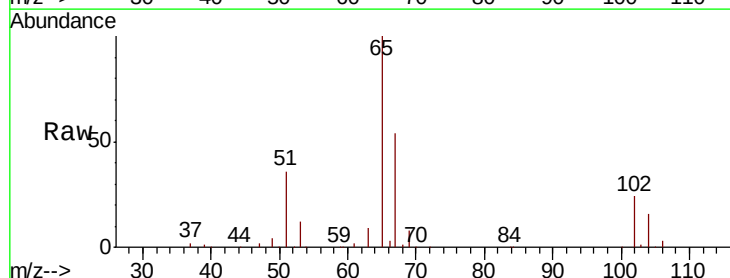
RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

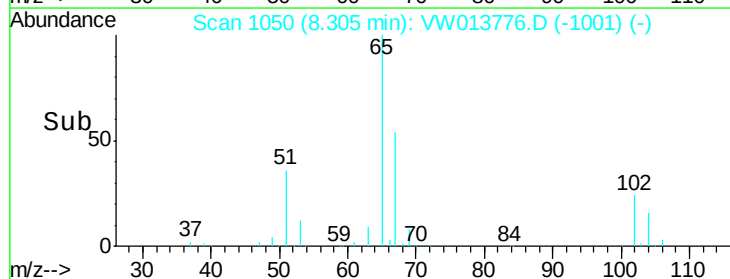
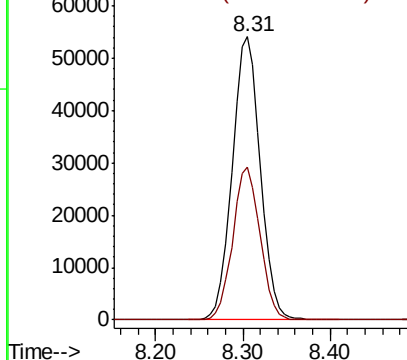
Lab File: VW013776.D

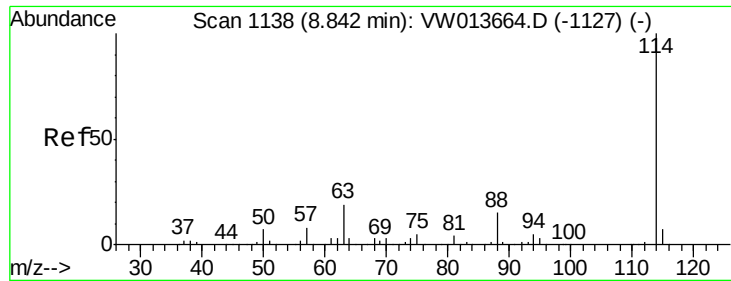
Acq: 28 Oct 2019 19:25

Tgt Ion: 65 Resp: 120516
Ion Ratio Lower Upper
65 100
67 52.5 0.0 109.4



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

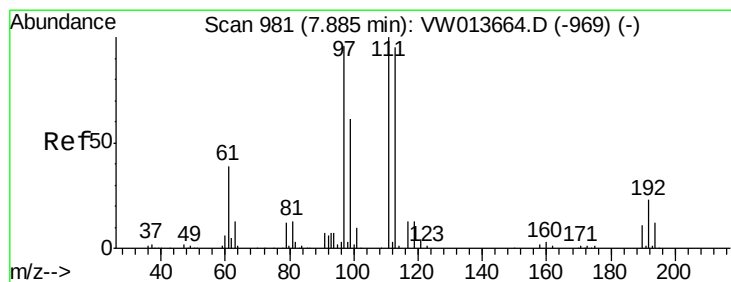
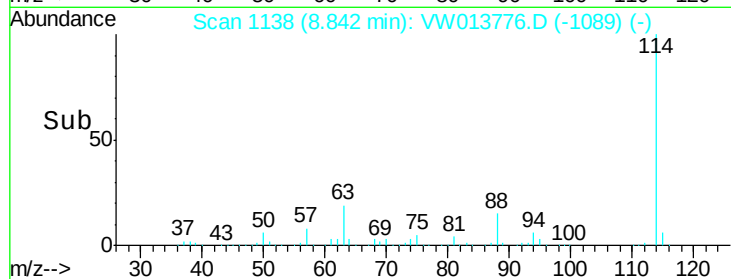
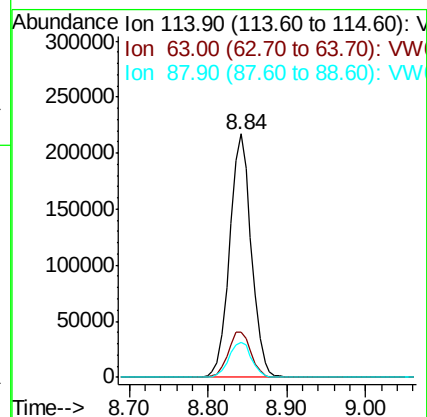
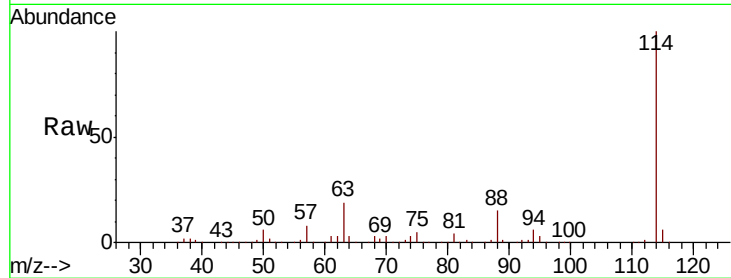




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013776.D
 Acq: 28 Oct 2019 19:25

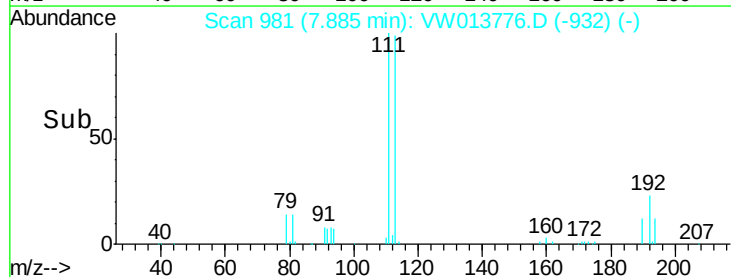
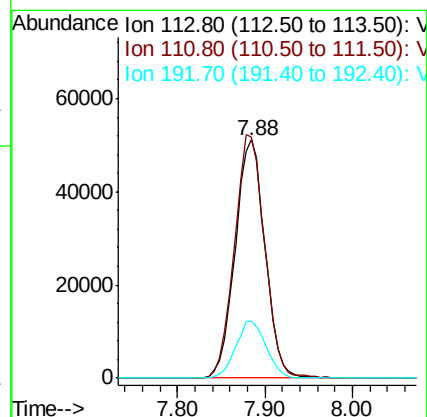
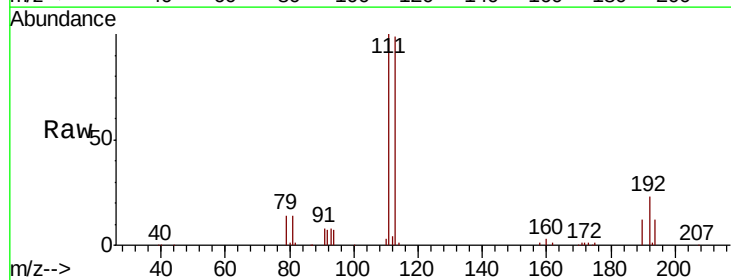
Instrument :
 MSVOA_W
 ClientSampled :

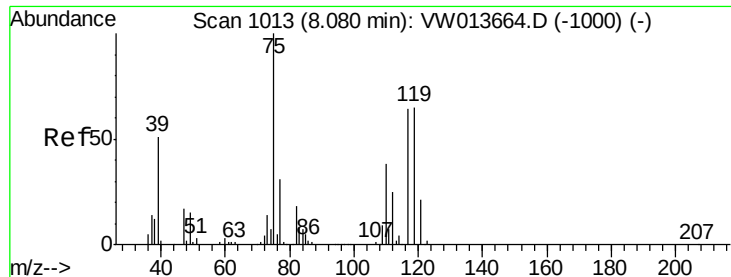
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	37.6
88	14.5	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 52.858 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013776.D
 Acq: 28 Oct 2019 19:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.0	124.6
192	24.1	19.4	29.2

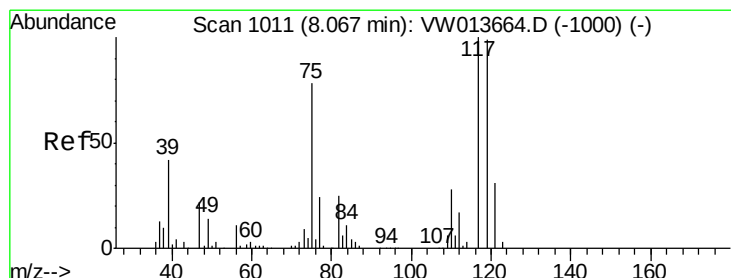
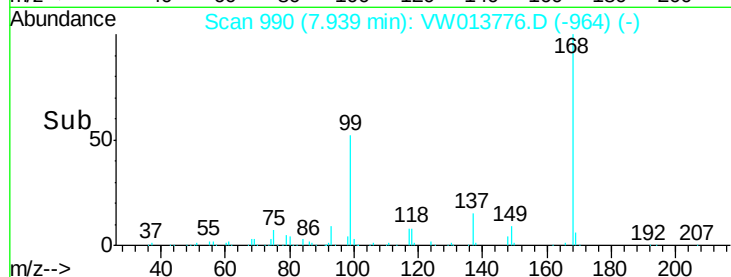
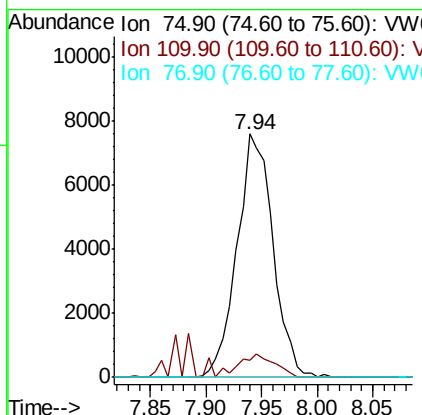
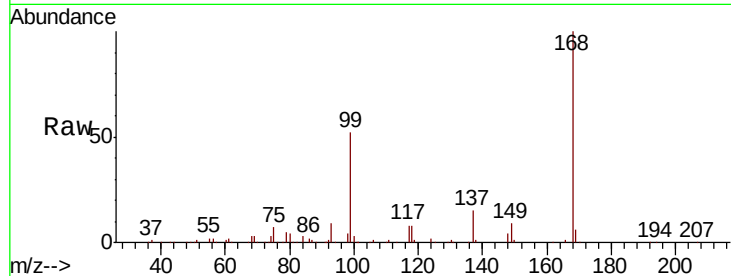




#36
 1,1-Dichloropropene
 Concen: 4.431 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013776.D
 Acq: 28 Oct 2019 19:25

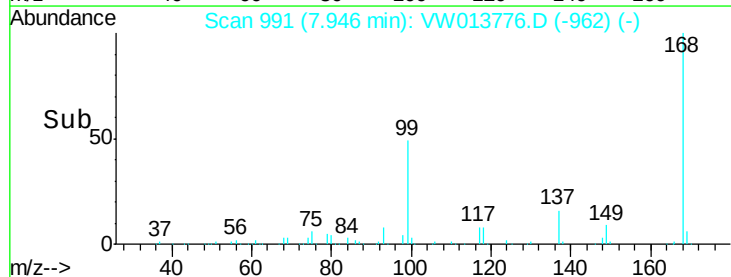
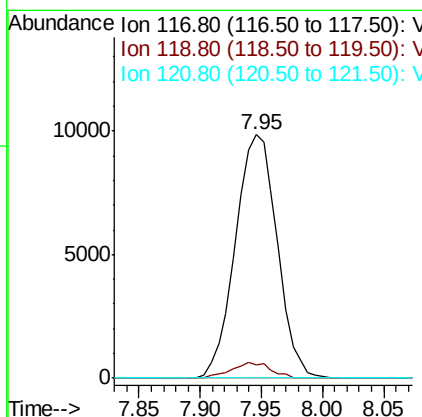
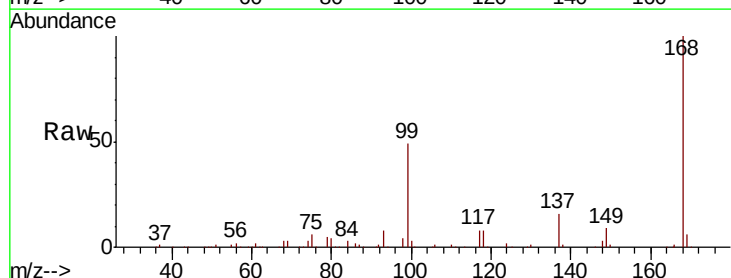
Instrument :
 MSVOA_W
 ClientSampled :

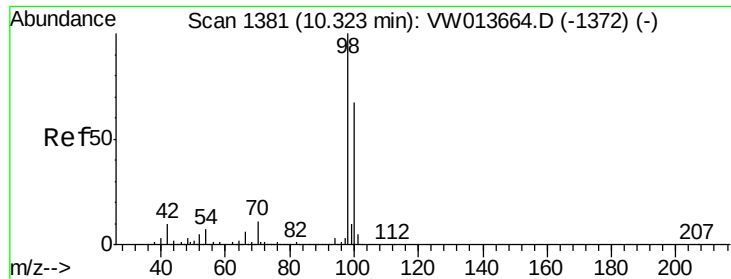
Tot Ion	75	Resp	17046
Ion Ratio	100	Lower	Upper
75	100		
110	8.7	18.7	56.1#
77	0.0	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.736 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013776.D
 Acq: 28 Oct 2019 19:25

Tgt Ion	117	Resp	23338
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.4	79.0	118.4#
121	0.0	24.5	36.7#

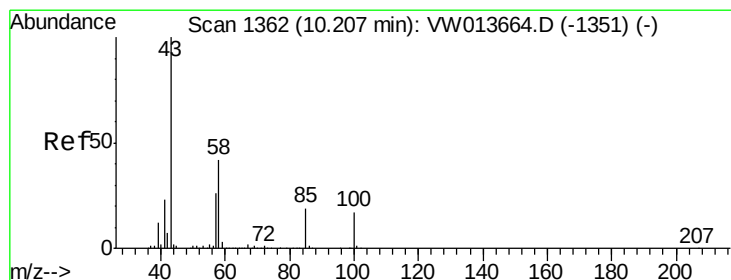
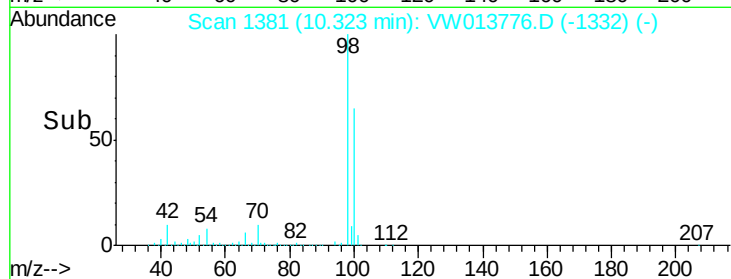
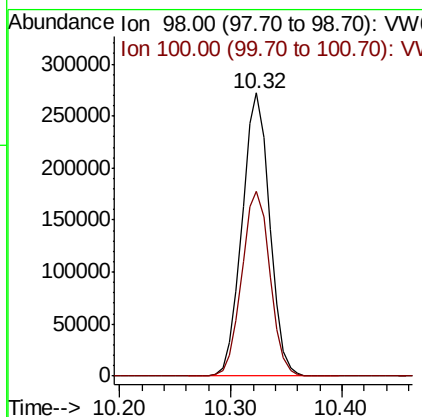
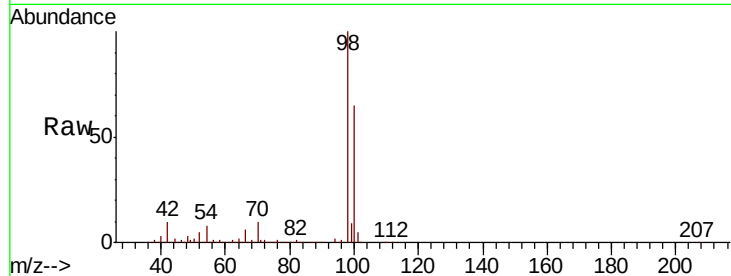




#50
Toluene-d8
Concen: 50.078 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013776.D
Acq: 28 Oct 2019 19:25

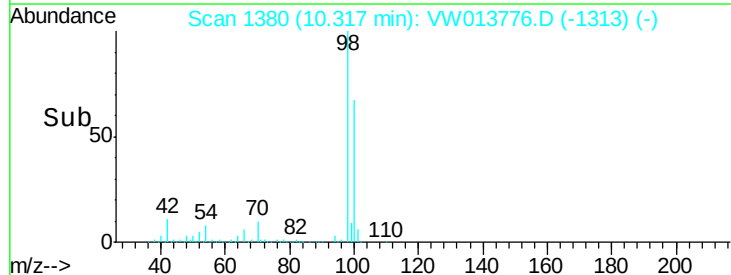
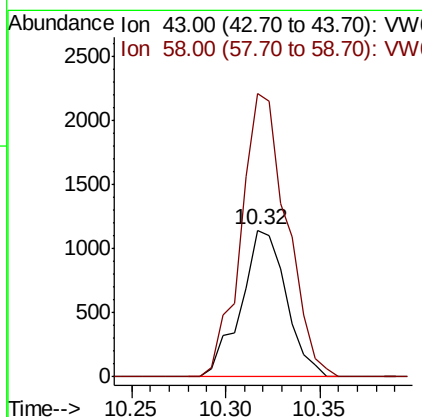
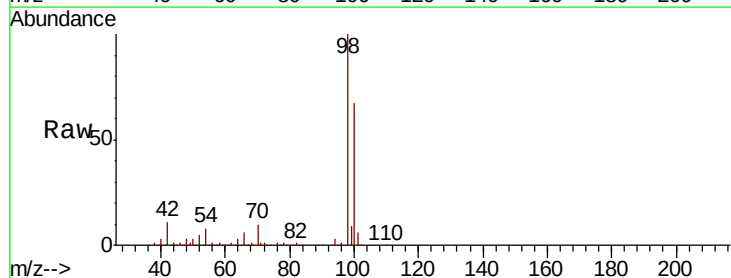
Instrument :
MSVOA_W
ClientSampled :

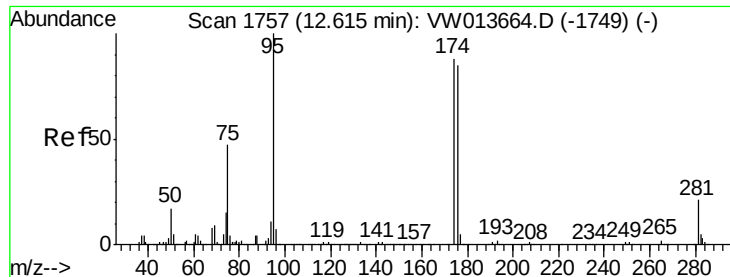
Tot Ion: 98 Resp: 468406
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 1.352 ug/l
RT: 10.32 min Scan# 1380
Delta R.T. 0.11 min
Lab File: VW013776.D
Acq: 28 Oct 2019 19:25

Tgt Ion: 43 Resp: 1894
Ion Ratio Lower Upper
43 100
58 196.5 32.6 49.0#





#62

4-Bromofluorobenzene

Concen: 41.409 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013776.D

Acq: 28 Oct 2019 19:25

Instrument :

MSVOA_W

ClientSampled :

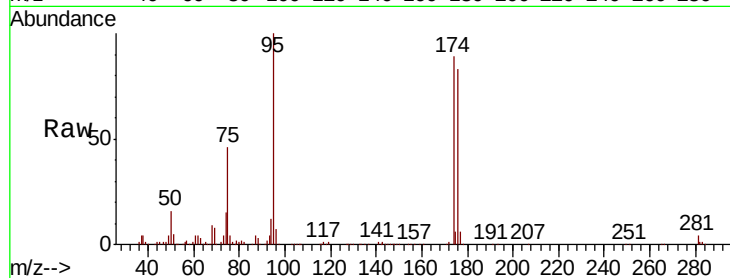
Tot Ion: 95 Resp: 131149

Ion Ratio Lower Upper

95 100

174 92.3 0.0 183.6

176 88.9 0.0 178.0



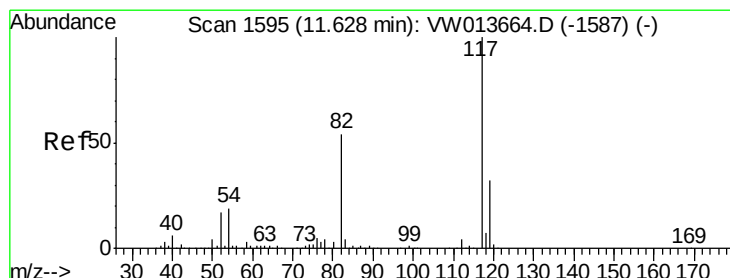
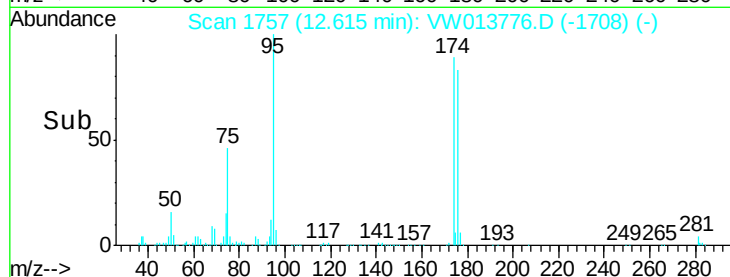
Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

12.62

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW013776.D

Acq: 28 Oct 2019 19:25

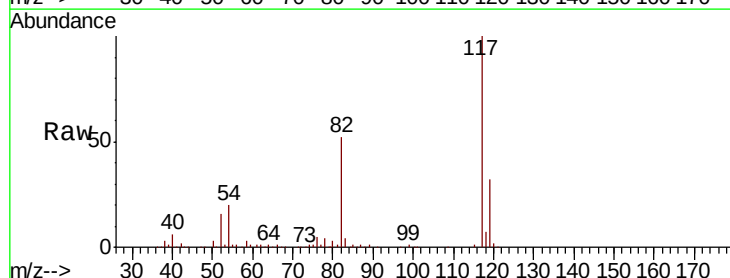
Tgt Ion: 117 Resp: 331660

Ion Ratio Lower Upper

117 100

82 51.8 43.6 65.4

119 32.2 25.4 38.2



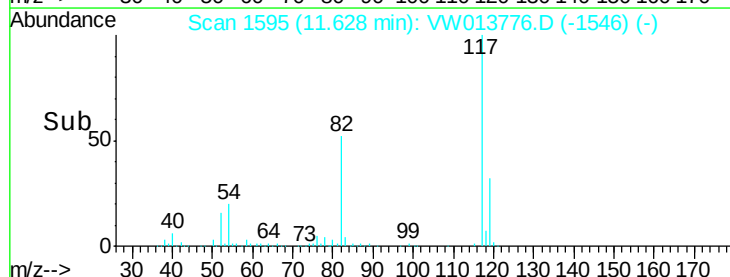
Abundance Ion 116.90 (116.60 to 117.60): VW

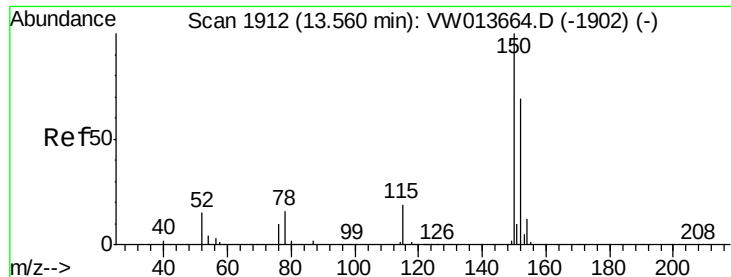
Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

11.63

Time-->



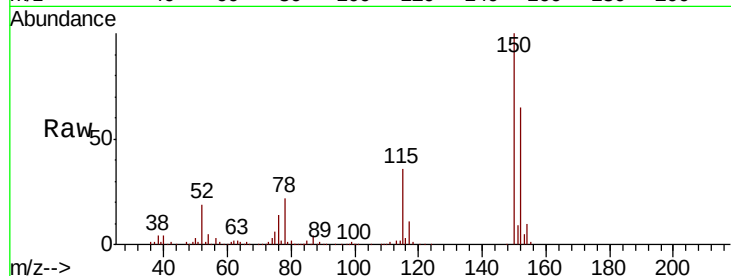


#72

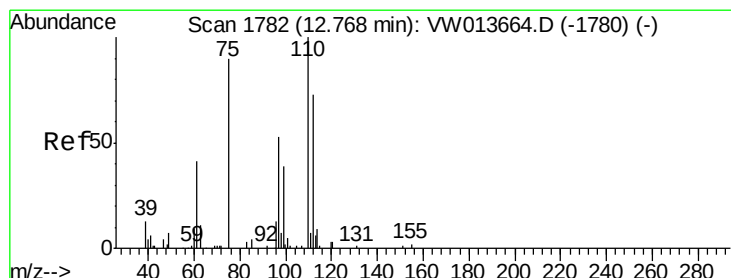
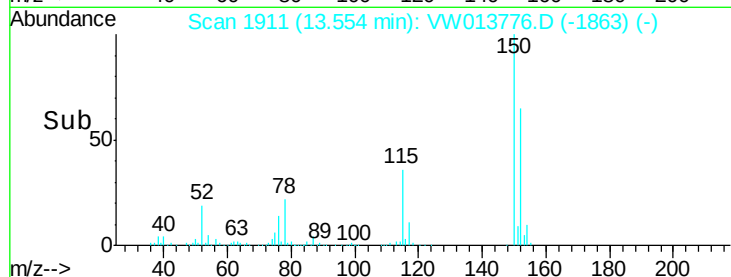
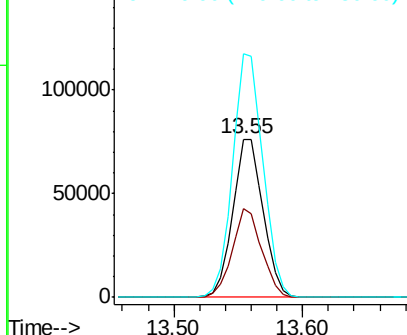
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013776.D
Acq: 28 Oct 2019 19:25

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 124782
Ion Ratio Lower Upper
152 100
115 54.4 27.4 82.2
150 154.0 0.0 345.4



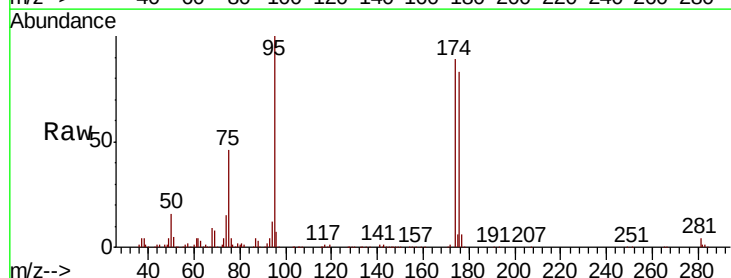
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



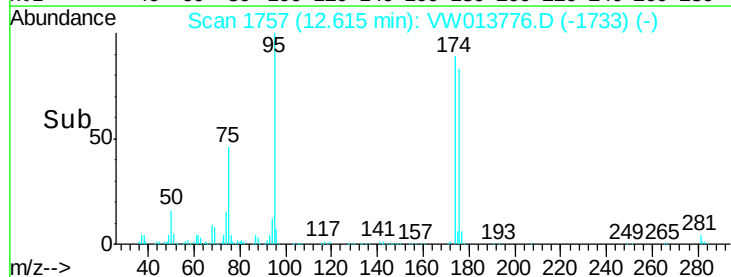
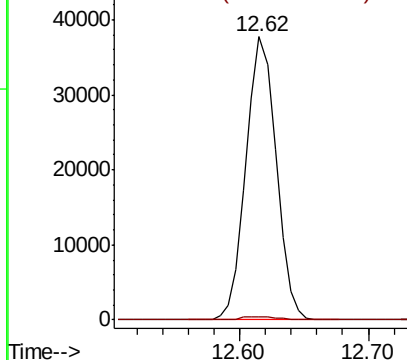
#76

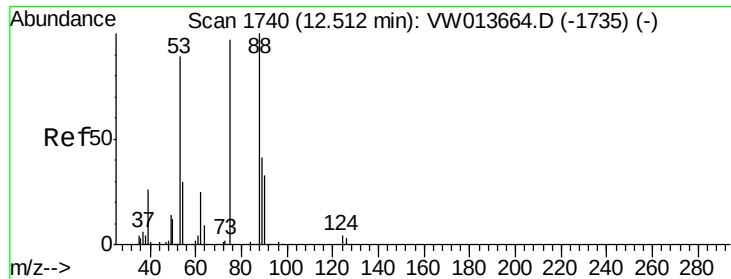
1,2,3-Trichloropropane
Concen: 68.368 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013776.D
Acq: 28 Oct 2019 19:25

Tgt Ion: 75 Resp: 61265
Ion Ratio Lower Upper
75 100
77 1.4 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: 129.206 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013776.D

Acq: 28 Oct 2019 19:25

Instrument :

MSVOA_W

ClientSampleId :

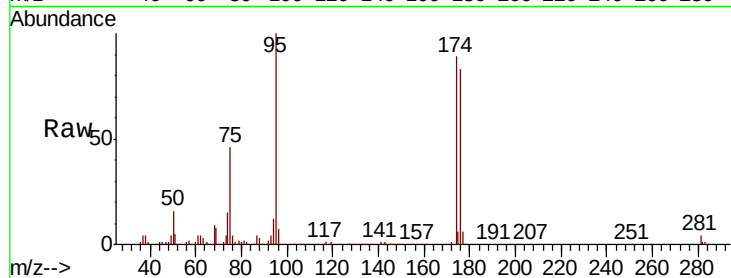
Tot Ion: 75 Resp: 61265

Ion Ratio Lower Upper

75 100

53 0.1 71.7 107.5#

89 0.3 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

