

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102819\
 Data File : VW013774.D
 Acq On : 28 Oct 2019 18:33
 Operator : SY/VA
 Sample : K5542-14
 Misc : 7.77G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

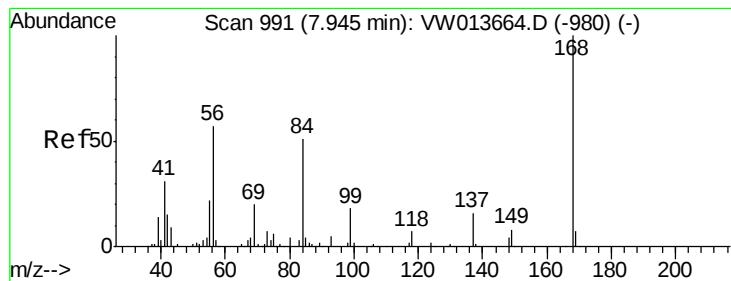
Quant Time: Oct 29 11:48:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	258564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	388448	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113805	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	116252	59.93	ug/l	0.00
Spiked Amount			Recovery	=	119.86%	
35) Dibromofluoromethane	7.88	113	116680	54.06	ug/l	0.00
Spiked Amount			Recovery	=	108.12%	
50) Toluene-d8	10.32	98	432308	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.62	95	119398	40.09	ug/l	0.00
Spiked Amount			Recovery	=	80.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	353	3.049	ug/l #	71
16) Acetone	4.12	43	535	1.301	ug/l	100
20) Methylene Chloride	4.91	84	6408	Below Cal	#	81
36) 1,1-Dichloropropene	7.94	75	16076	4.444	ug/l #	47
38) Carbon Tetrachloride	7.95	117	21563	6.619	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	1788	1.357	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	57324	70.140	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57324	132.555	ug/l #	14

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013774.D

Acq: 28 Oct 2019 18:33

Instrument :

MSVOA_W

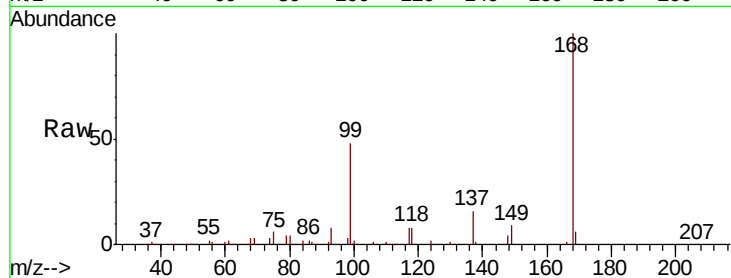
ClientSampled :

Tot Ion:168 Resp: 258564

Ion Ratio Lower Upper

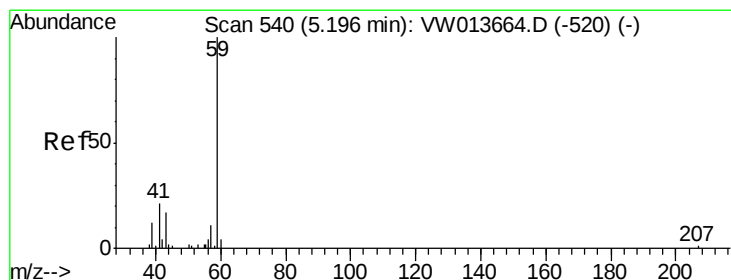
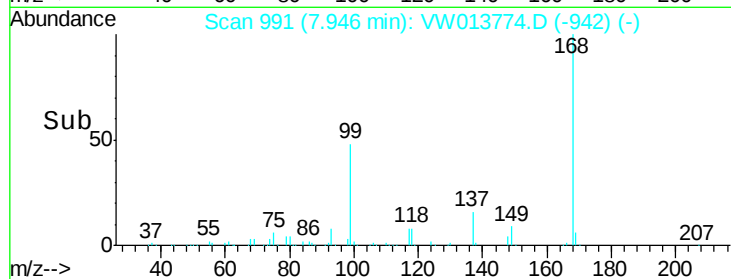
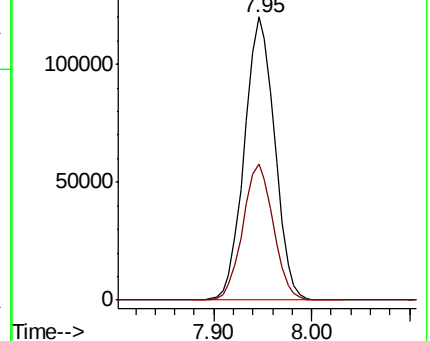
168 100

99 48.3 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: 3.049 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.04 min

Lab File: VW013774.D

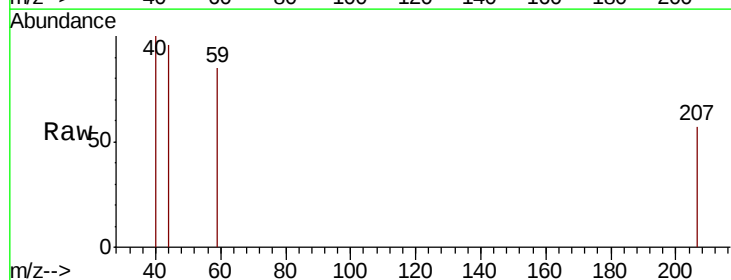
Acq: 28 Oct 2019 18:33

Tgt Ion: 59 Resp: 353

Ion Ratio Lower Upper

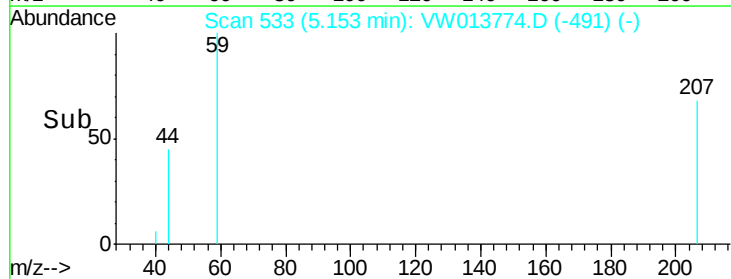
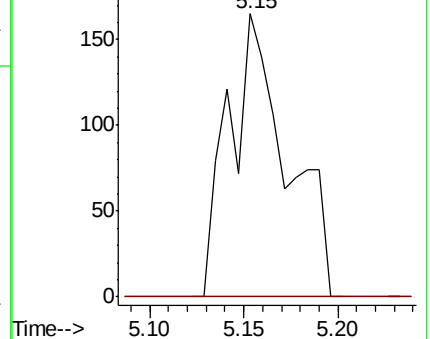
59 100

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: 1.301 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013774.D

Acq: 28 Oct 2019 18:33

Instrument :

MSVOA_W

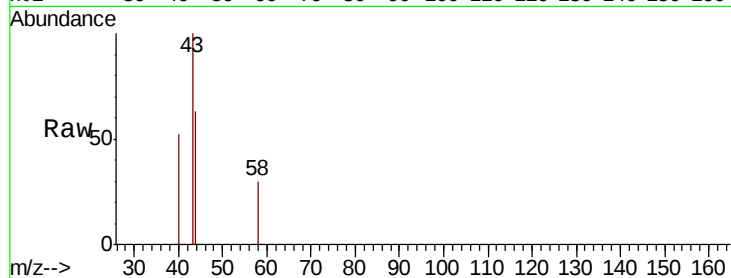
ClientSampled :

Tot Ion: 43 Resp: 535

Ion Ratio Lower Upper

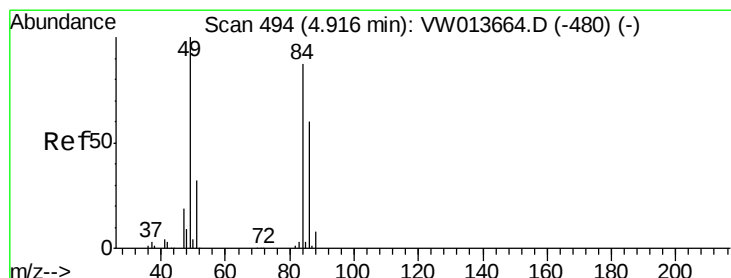
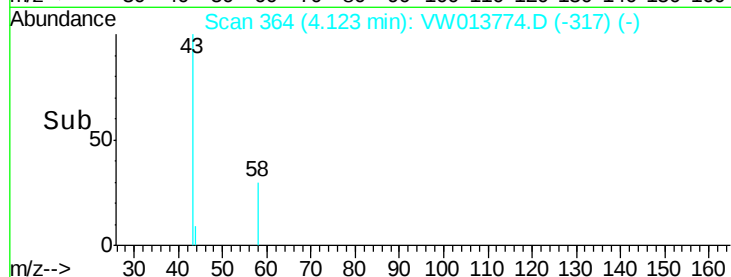
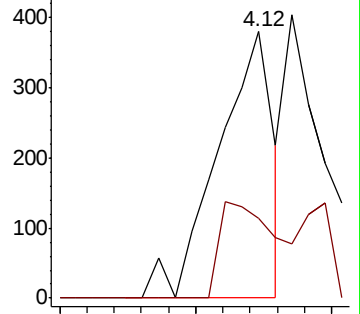
43 100

58 30.0 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: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013774.D

Acq: 28 Oct 2019 18:33

Tgt Ion: 84 Resp: 6408

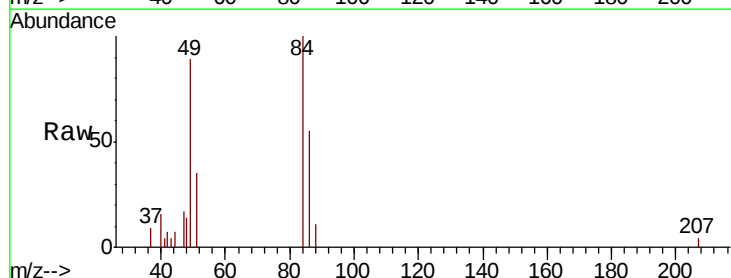
Ion Ratio Lower Upper

84 100

49 88.6 91.8 137.6#

51 34.5 29.8 44.6

86 54.7 55.2 82.8#

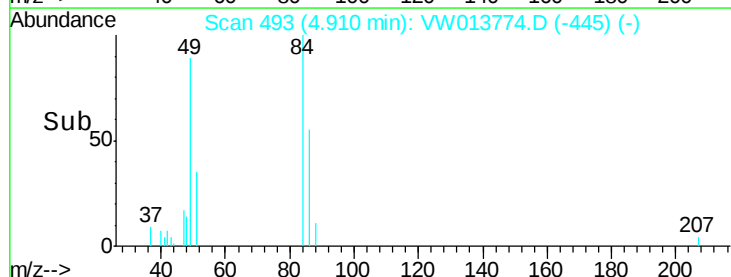
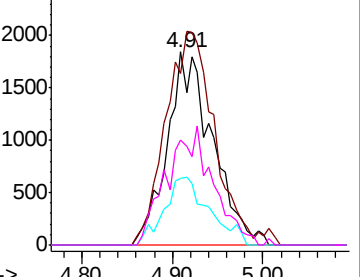


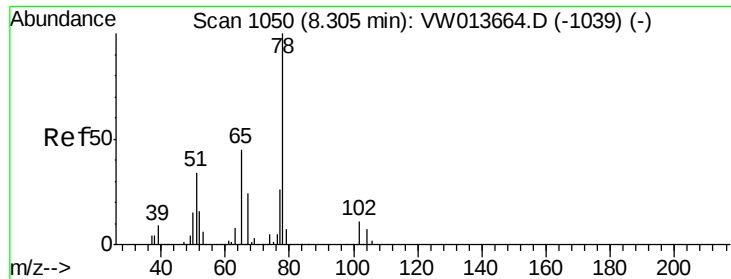
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#33

1,2-Dichloroethane-d4

Concen: 59.934 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013774.D

Acq: 28 Oct 2019 18:33

Instrument :

MSVOA_W

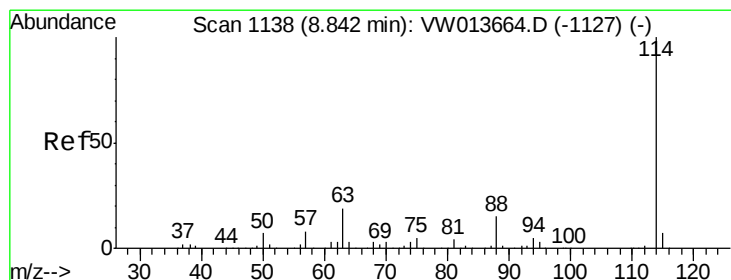
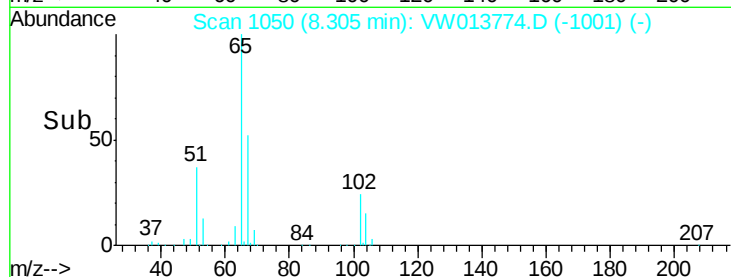
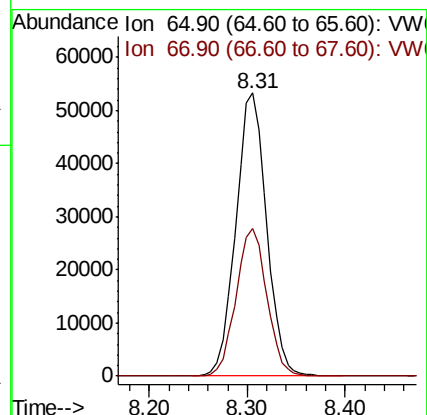
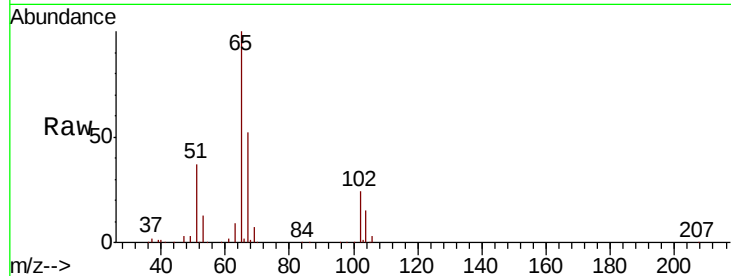
ClientSampleId :

Tot Ion: 65 Resp: 116252

Ion Ratio Lower Upper

65 100

67 52.5 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: VW013774.D

Acq: 28 Oct 2019 18:33

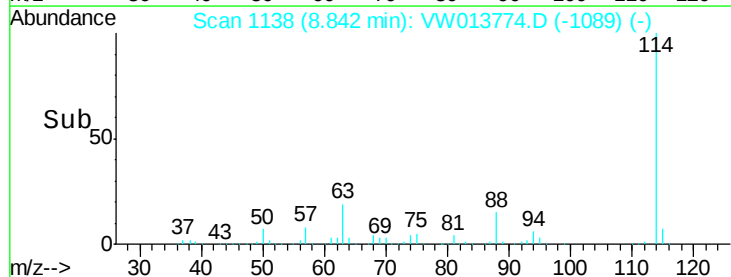
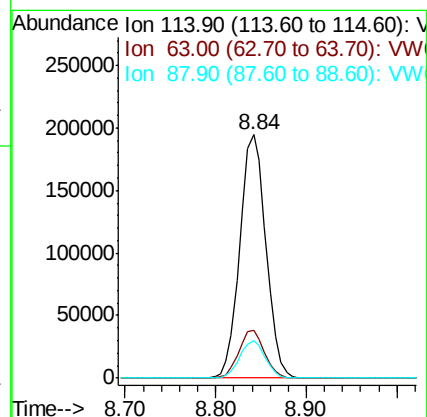
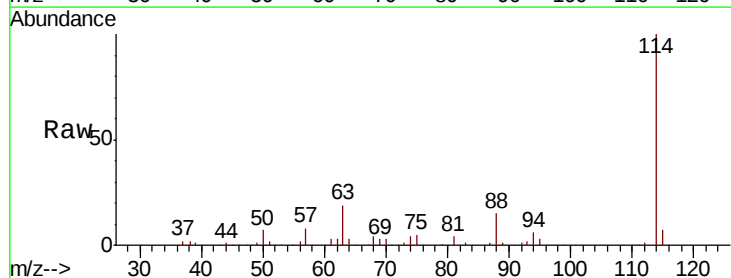
Tgt Ion: 114 Resp: 388448

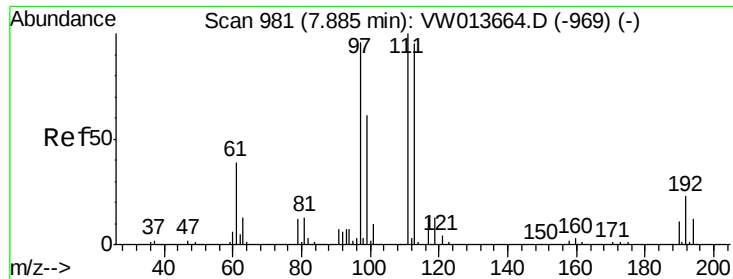
Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.6

88 15.5 0.0 30.2

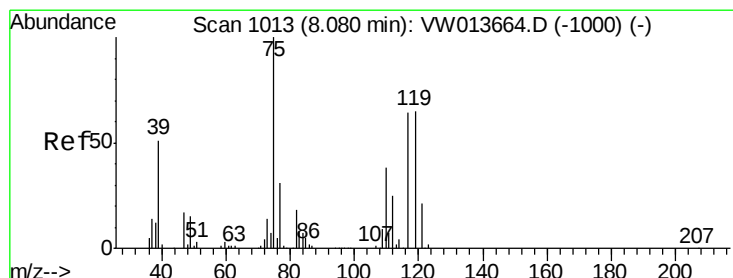
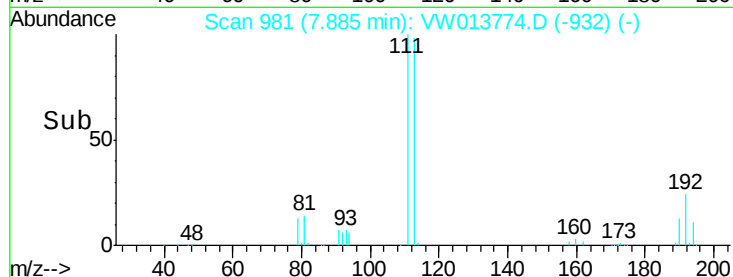
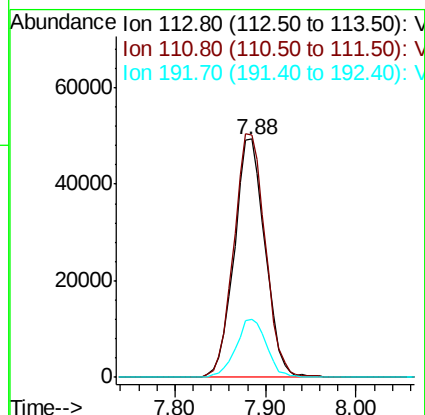
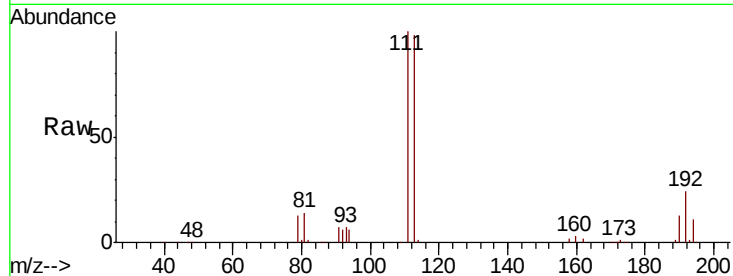




#35
 Dibromofluoromethane
 Concen: 54.058 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013774.D
 Acq: 28 Oct 2019 18:33

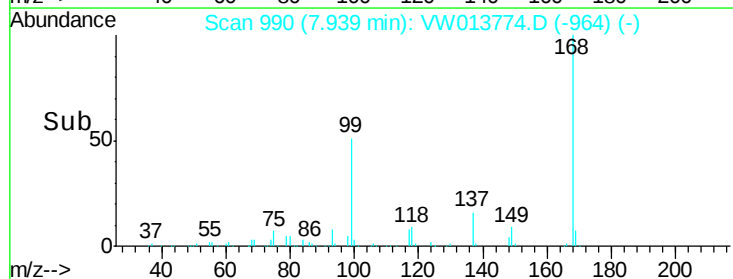
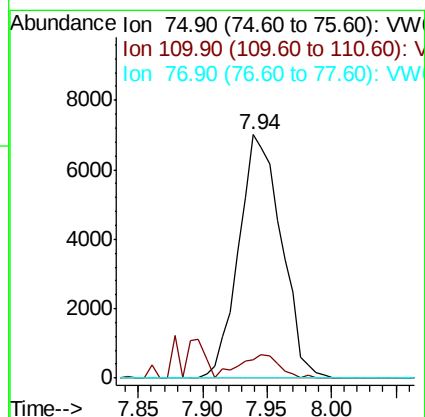
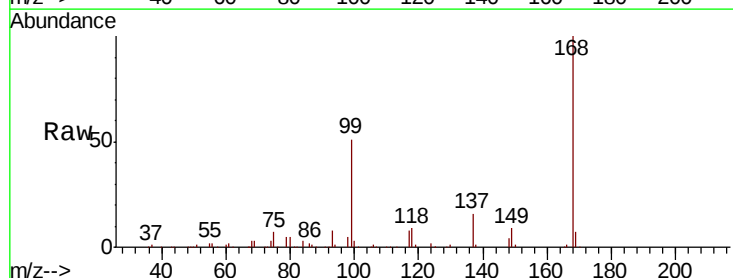
Instrument :
 MSVOA_W
 ClientSampleId :

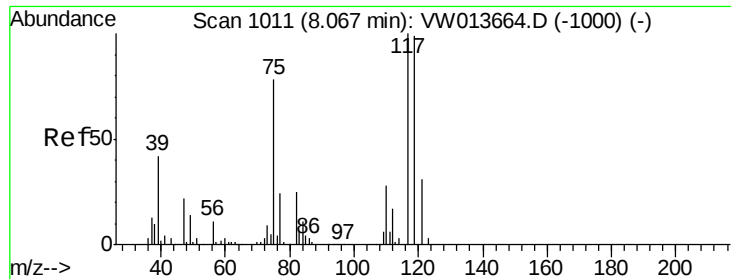
Tot Ion:113 Resp: 116680
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.0 124.6
 192 24.1 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 4.444 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013774.D
 Acq: 28 Oct 2019 18:33

Tgt Ion: 75 Resp: 16076
 Ion Ratio Lower Upper
 75 100
 110 7.8 18.7 56.1#
 77 0.0 25.4 38.0#

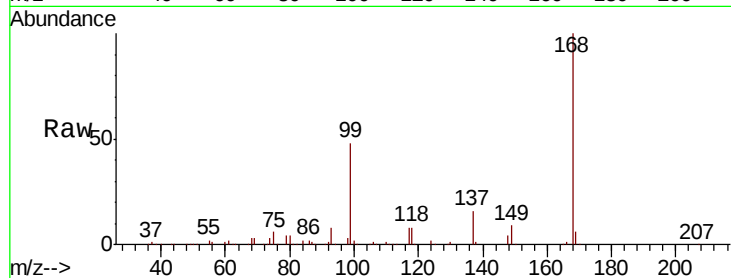




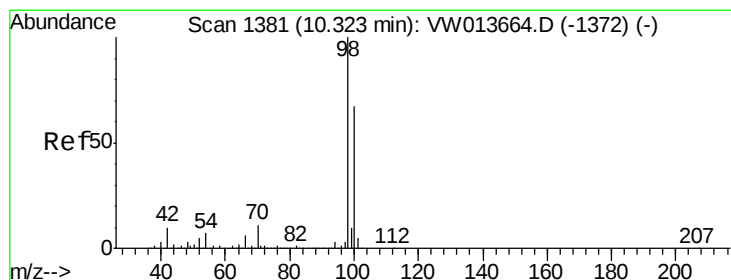
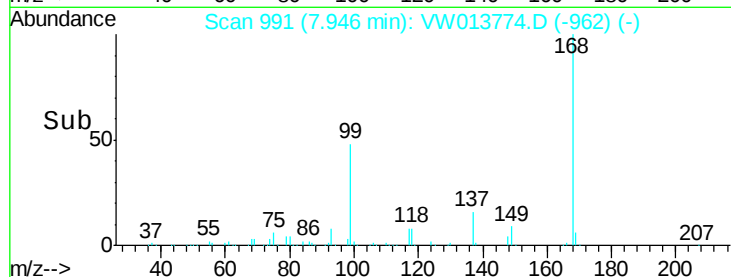
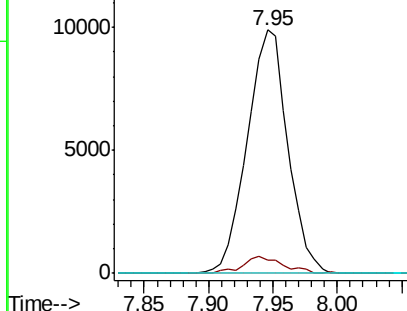
#38
Carbon Tetrachloride
Concen: 6.619 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013774.D
Acq: 28 Oct 2019 18:33

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 21563
Ion Ratio Lower Upper
117 100
119 5.2 79.0 118.4#
121 0.0 24.5 36.7#

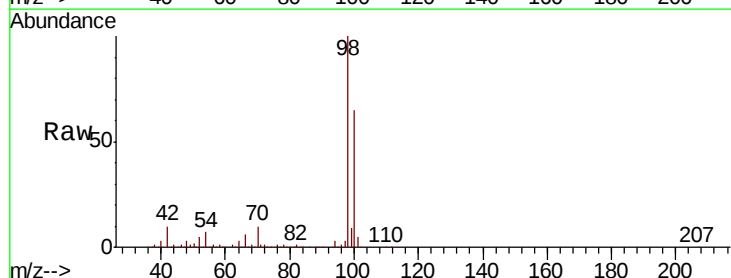


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

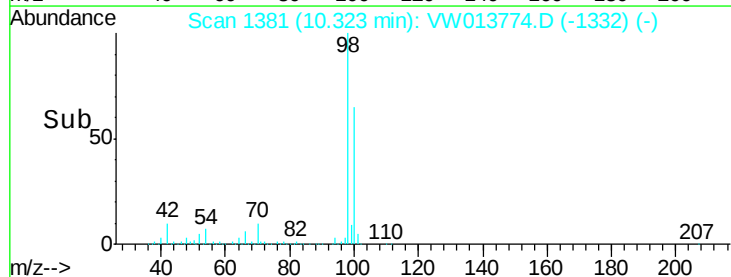
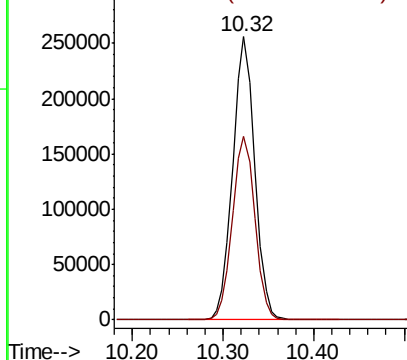


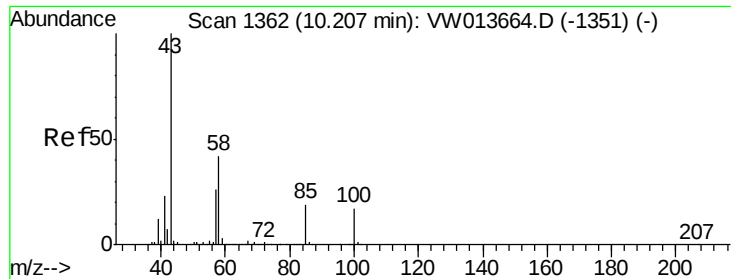
#50
Toluene-d8
Concen: 49.153 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013774.D
Acq: 28 Oct 2019 18:33

Tgt Ion: 98 Resp: 432308
Ion Ratio Lower Upper
98 100
100 66.2 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: 1.357 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW013774.D

Acq: 28 Oct 2019 18:33

Instrument :

MSVOA_W

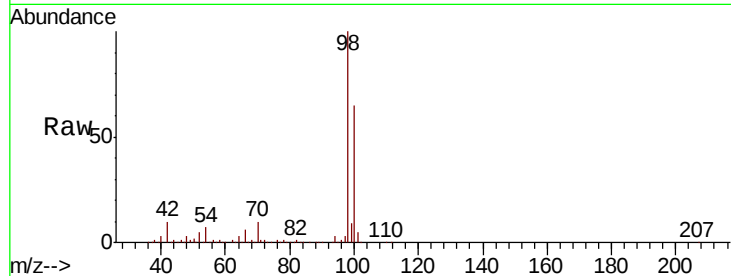
ClientSampled :

Tot Ion: 43 Resp: 1788

Ion Ratio Lower Upper

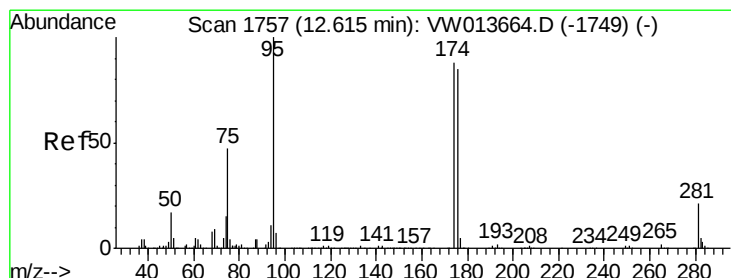
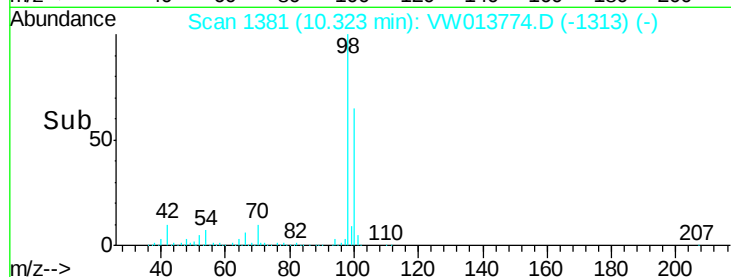
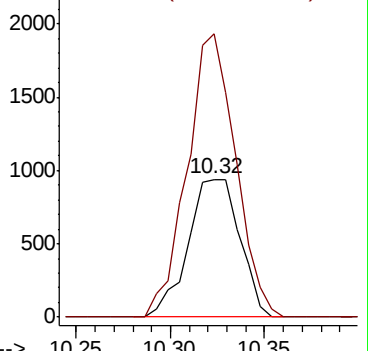
43 100

58 192.4 32.6 49.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 40.093 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013774.D

Acq: 28 Oct 2019 18:33

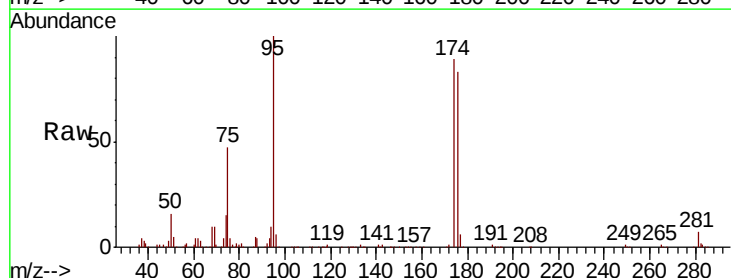
Tgt Ion: 95 Resp: 119398

Ion Ratio Lower Upper

95 100

174 94.5 0.0 183.6

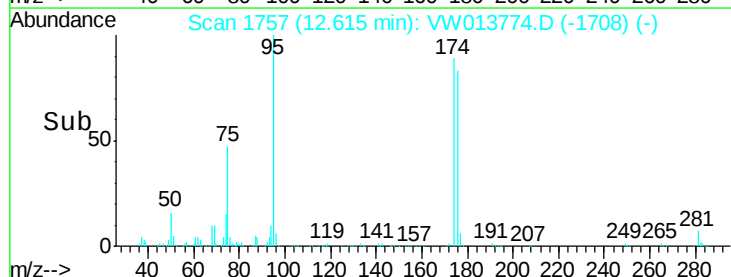
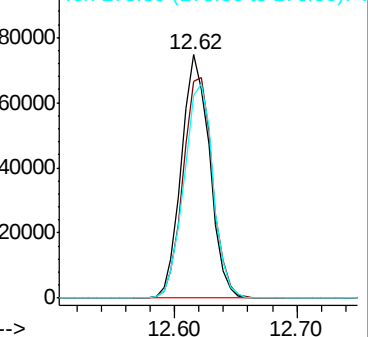
176 90.9 0.0 178.0

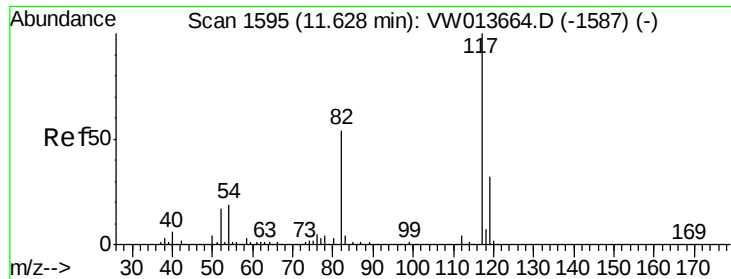


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

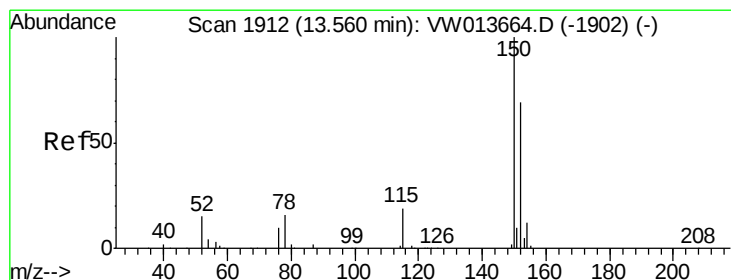
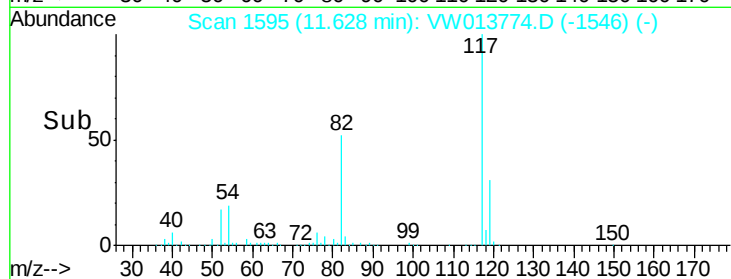
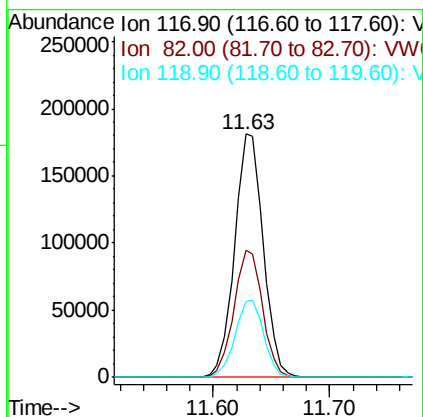
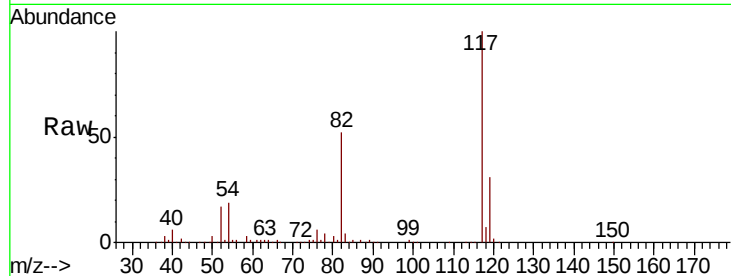




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013774.D
Acq: 28 Oct 2019 18:33

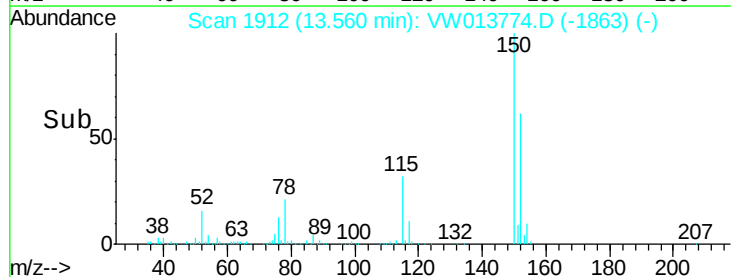
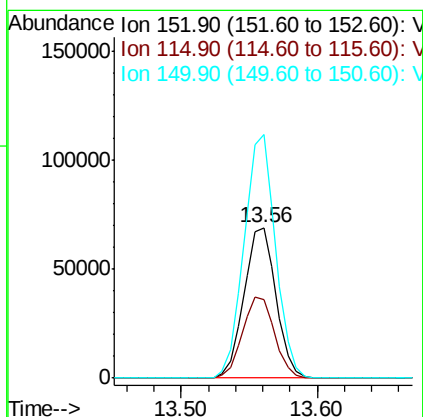
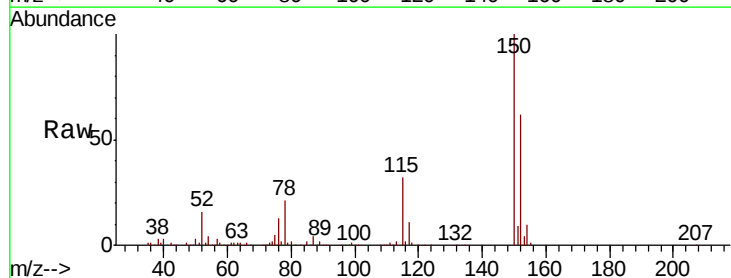
Instrument :
MSVOA_W
ClientSampleId :

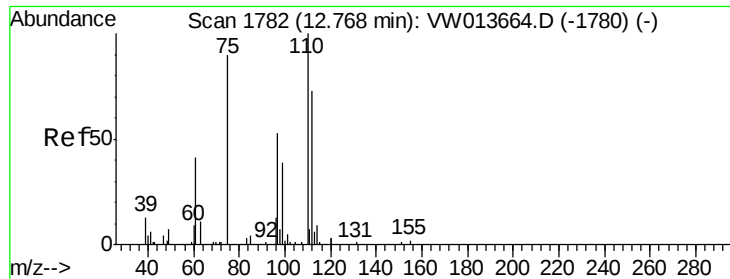
Tot Ion:117 Resp: 310500
Ion Ratio Lower Upper
117 100
82 52.4 43.6 65.4
119 31.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013774.D
Acq: 28 Oct 2019 18:33

Tgt Ion:152 Resp: 113805
Ion Ratio Lower Upper
152 100
115 53.9 27.4 82.2
150 159.0 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 70.140 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013774.D

Acq: 28 Oct 2019 18:33

Instrument :

MSVOA_W

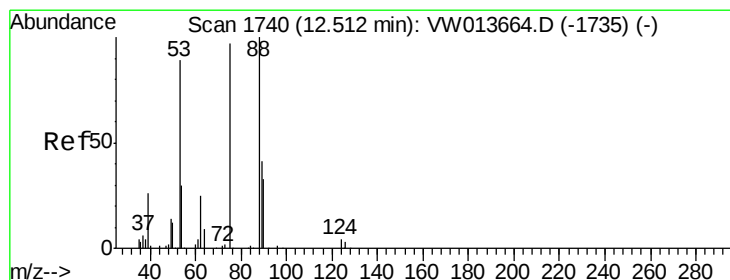
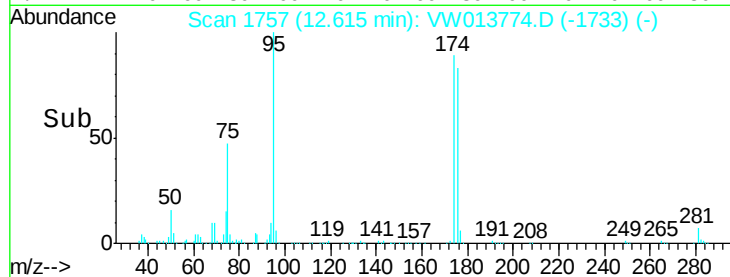
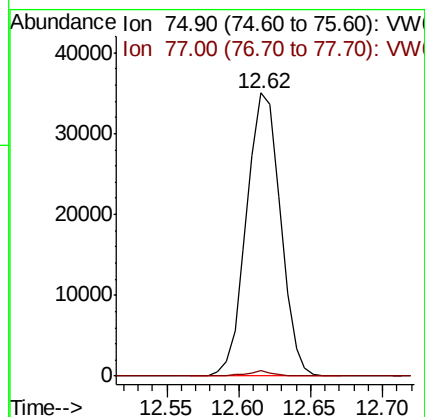
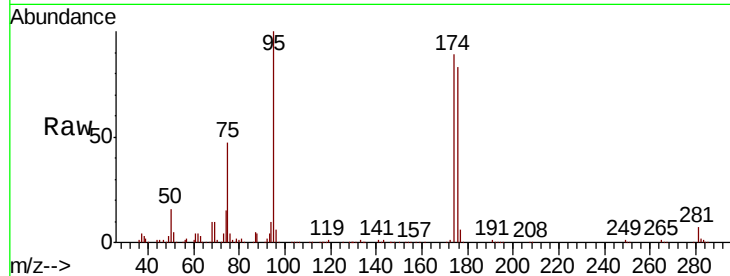
ClientSampleId :

Tot Ion: 75 Resp: 57324

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 132.555 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013774.D

Acq: 28 Oct 2019 18:33

Tgt Ion: 75 Resp: 57324

Ion Ratio Lower Upper

75 100

53 0.0 71.7 107.5#

89 0.0 35.8 53.8#

