

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012420\
 Data File : VW014753.D
 Acq On : 24 Jan 2020 19:09
 Operator : SY/VA
 Sample : L1247-01
 Misc : 7.37G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4-5

Quant Time: Jan 25 06:11:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 24 13:12:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	166594	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	255960	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	219908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	63814	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	92003	57.34	ug/l	0.00
Spiked Amount			Recovery	=	114.68%	
35) Dibromofluoromethane	7.88	113	84239	56.54	ug/l	0.00
Spiked Amount			Recovery	=	113.08%	
50) Toluene-d8	10.32	98	306253	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.62	95	81747	39.80	ug/l	0.00
Spiked Amount			Recovery	=	79.60%	

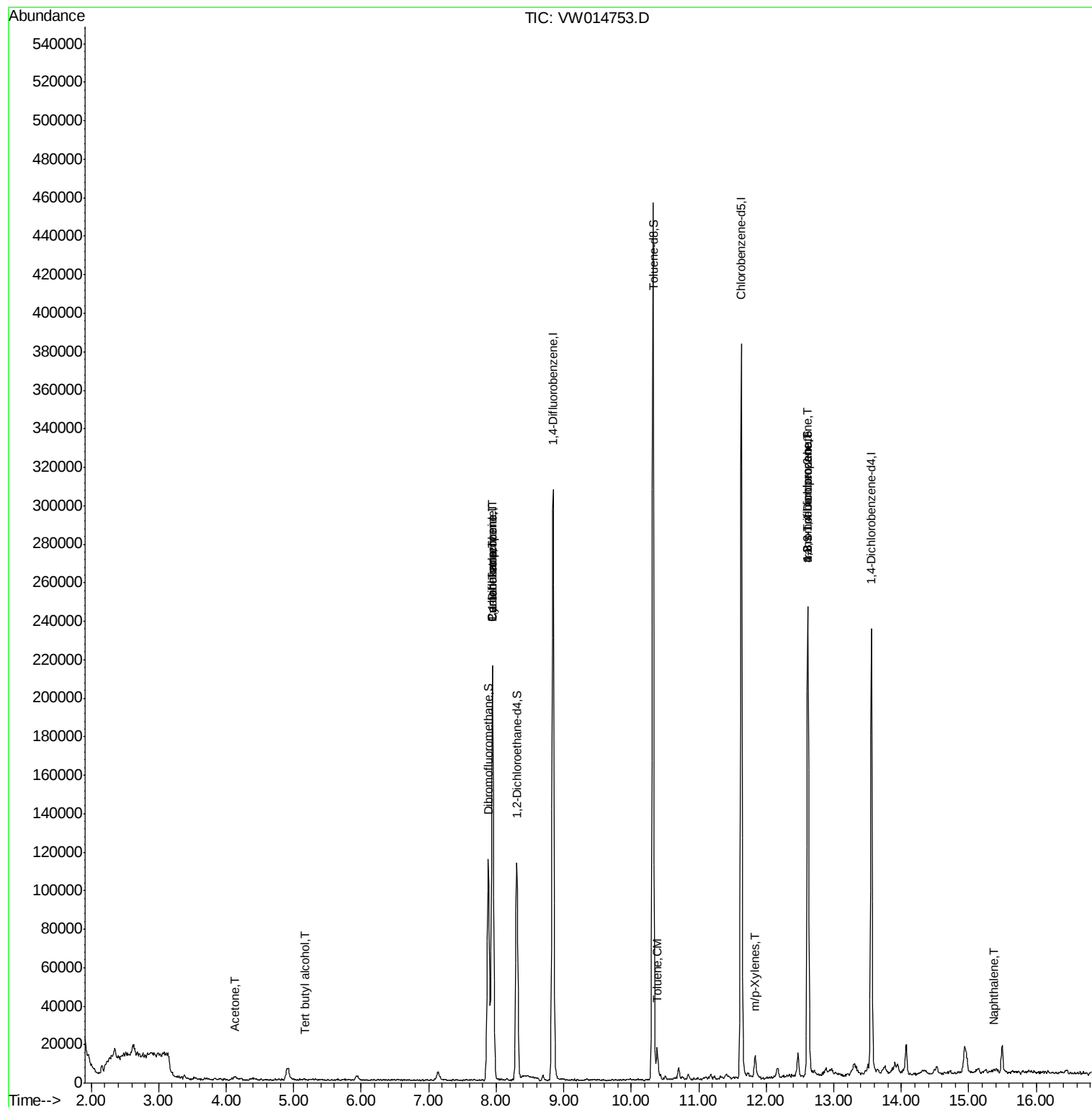
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	663	5.751	ug/l #	72
16) Acetone	4.13	43	3823	9.480	ug/l	92
20) Methylene Chloride	4.90	84	2081	Below Cal	#	81
31) Cyclohexane	7.95	56	3789	1.135	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	12908	4.973	ug/l #	51
38) Carbon Tetrachloride	7.95	117	15526	6.868	ug/l #	16
52) Toluene	10.39	92	6587	1.489	ug/l	100
68) m/p-Xylenes	11.84	106	3186	1.040	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	41277	65.149	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	41277	154.189	ug/l #	12
95) Naphthalene	15.36	128	1219	1.532	ug/l #	88

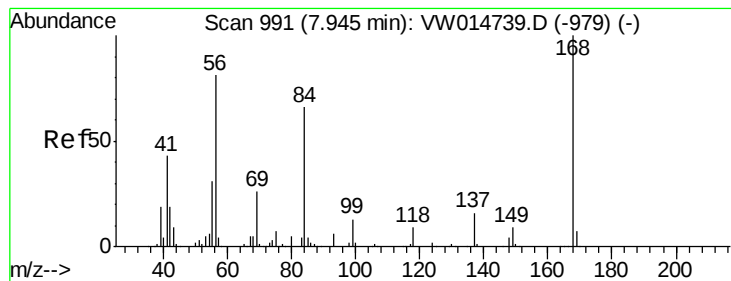
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012420\
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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: VW014753.D

Acq: 24 Jan 2020 19:09

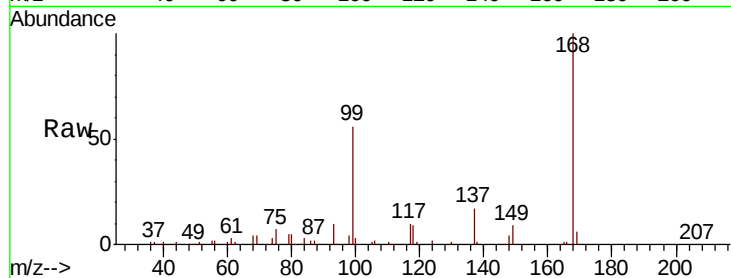
Instrument :
MSVOA_W
ClientSampled :
TP-4-5

Tot Ion:168 Resp: 166594

Ion Ratio Lower Upper

168 100

99 55.7 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

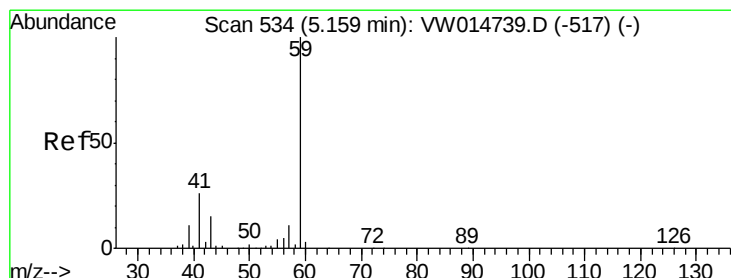
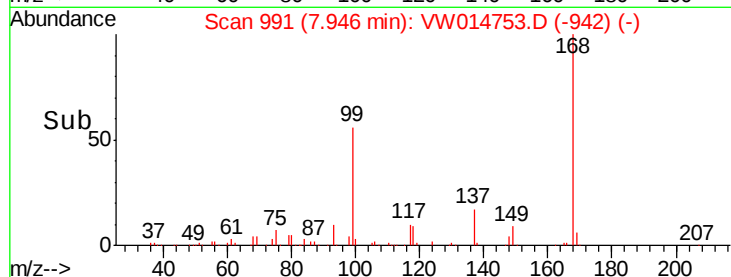
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 5.751 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW014753.D

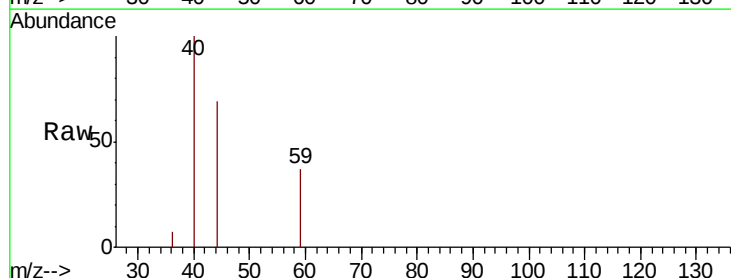
Acq: 24 Jan 2020 19:09

Tgt Ion: 59 Resp: 663

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

300

250

200

150

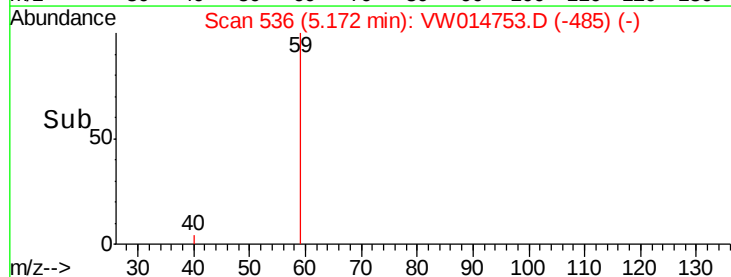
100

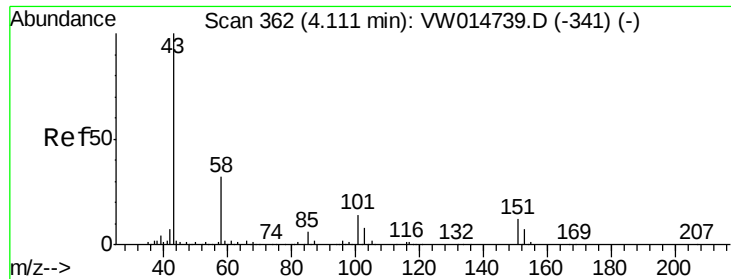
50

0

5.10 5.15 5.20

Time-->





#16

Acetone

Concen: 9.480 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.02 min

Lab File: VW014753.D

Acq: 24 Jan 2020 19:09

Instrument :

MSVOA_W

ClientSampled :

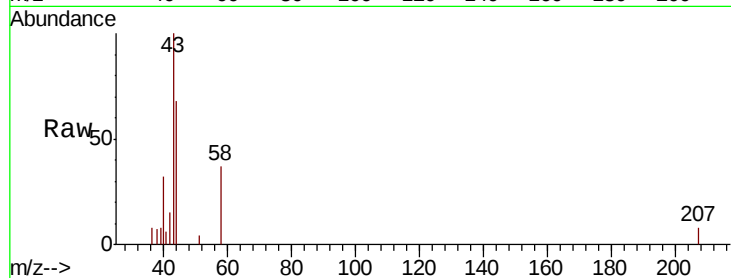
TP-4-5

Tot Ion: 43 Resp: 3823

Ion Ratio Lower Upper

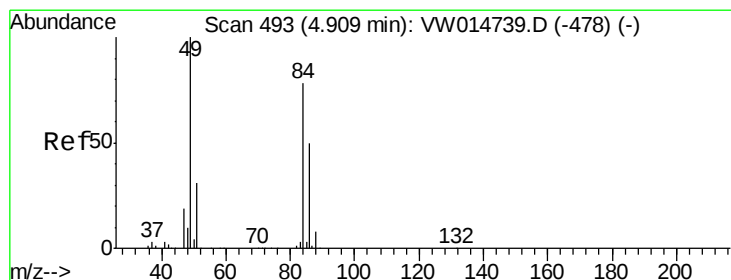
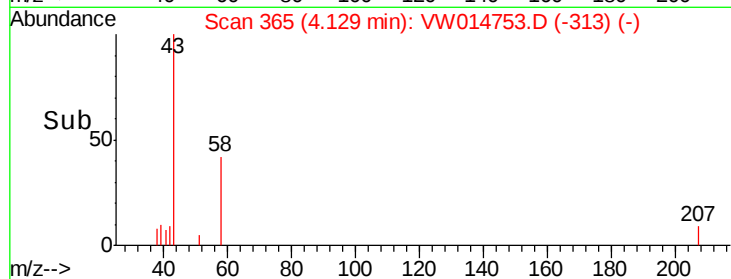
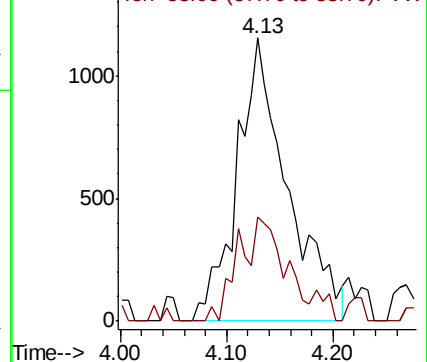
43 100

58 36.6 25.6 38.4



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: 4.90 min Scan# 491

Delta R.T. -0.01 min

Lab File: VW014753.D

Acq: 24 Jan 2020 19:09

Tgt Ion: 84 Resp: 2081

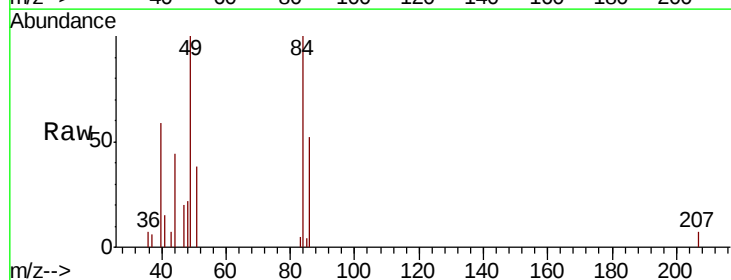
Ion Ratio Lower Upper

84 100

49 100.4 103.1 154.7#

51 38.2 32.1 48.1

86 51.9 51.5 77.3

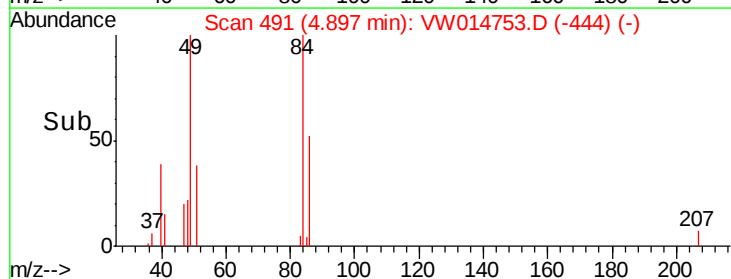
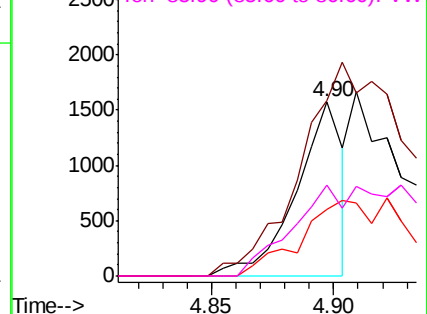


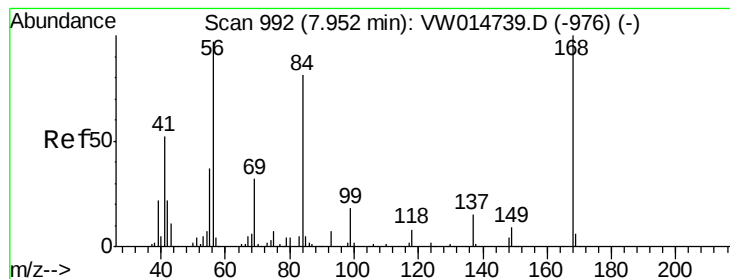
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#31

Cyclohexane

Concen: 1.135 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW014753.D

Acq: 24 Jan 2020 19:09

Instrument :

MSVOA_W

ClientSampled :

TP-4-5

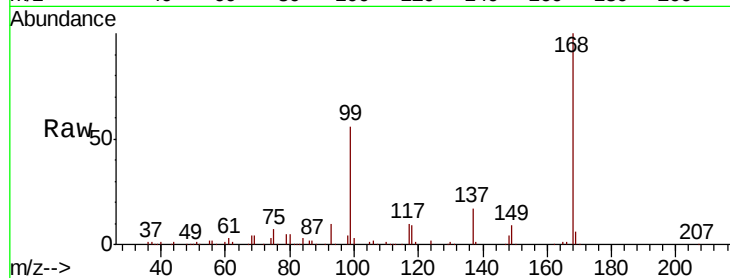
Tot Ion: 56 Resp: 3789

Ion Ratio Lower Upper

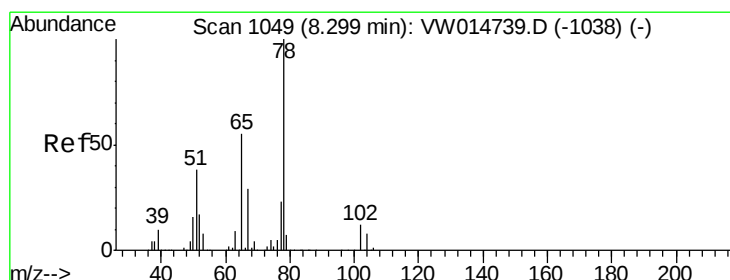
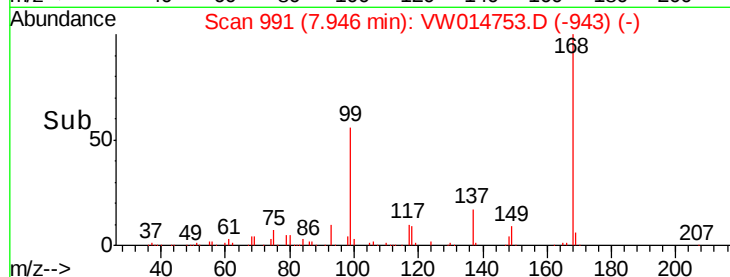
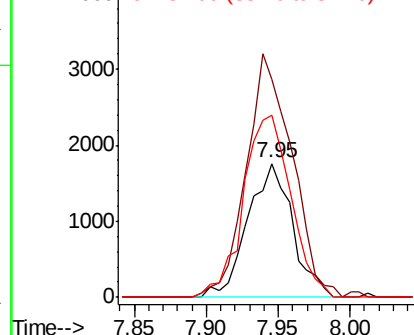
56 100

69 162.7 26.0 39.0#

84 136.4 66.6 99.8#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 57.340 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VW014753.D

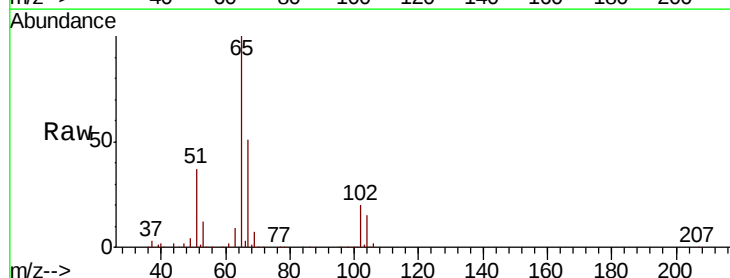
Acq: 24 Jan 2020 19:09

Tgt Ion: 65 Resp: 92003

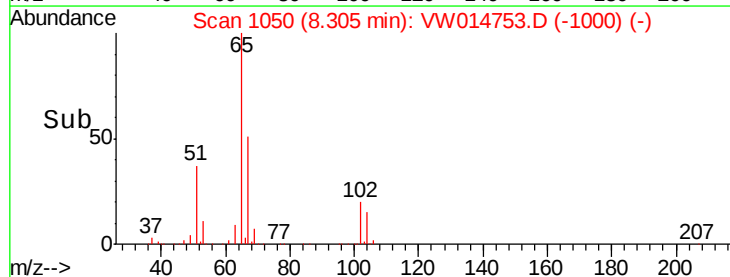
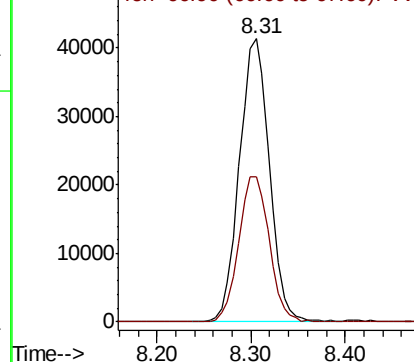
Ion Ratio Lower Upper

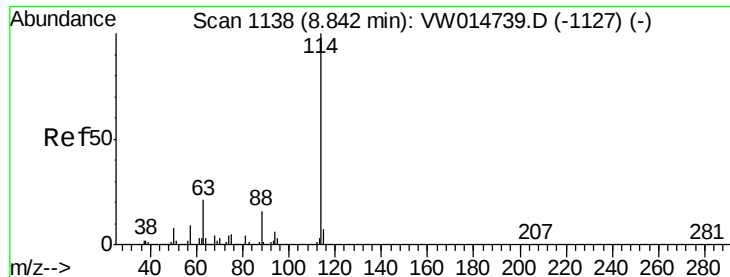
65 100

67 52.4 0.0 106.0



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

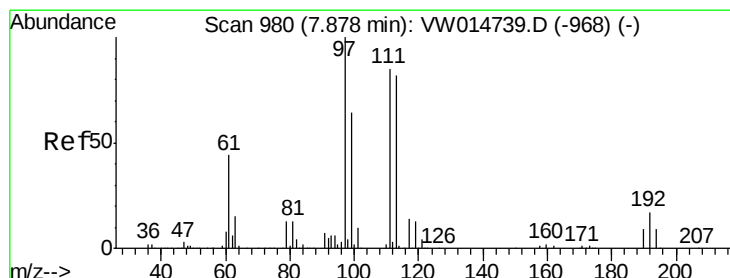
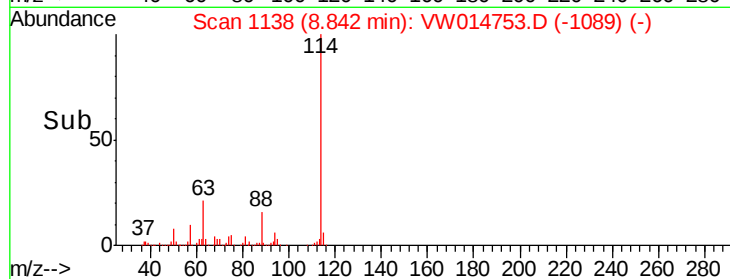
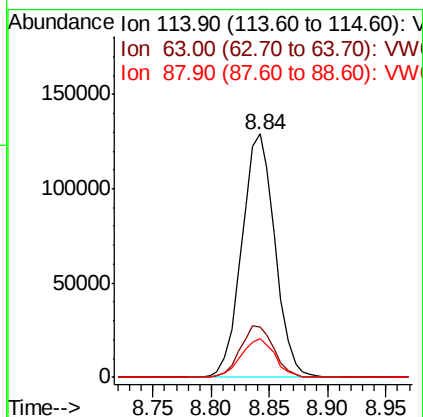
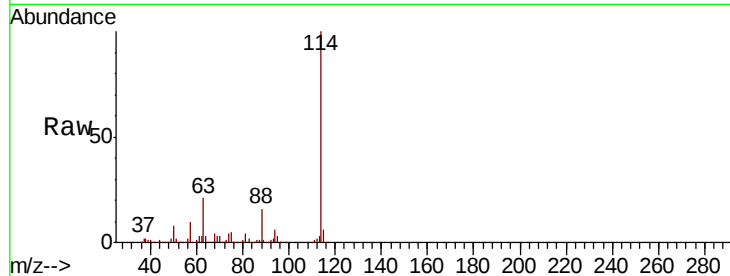




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW014753.D
Acq: 24 Jan 2020 19:09

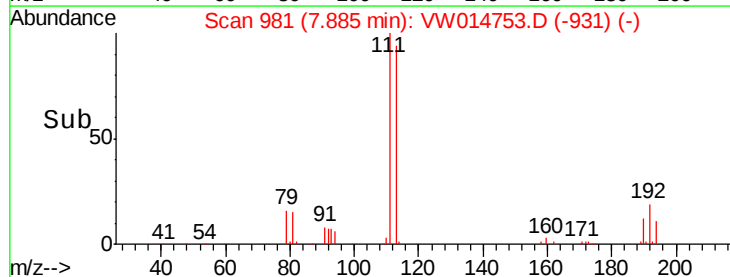
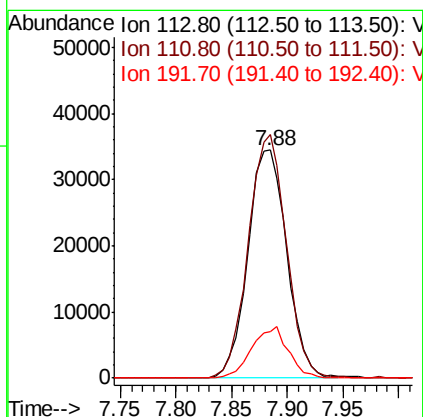
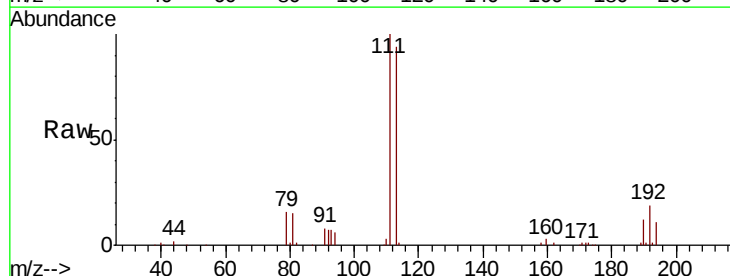
Instrument :
MSVOA_W
ClientSampleId :
TP-4-5

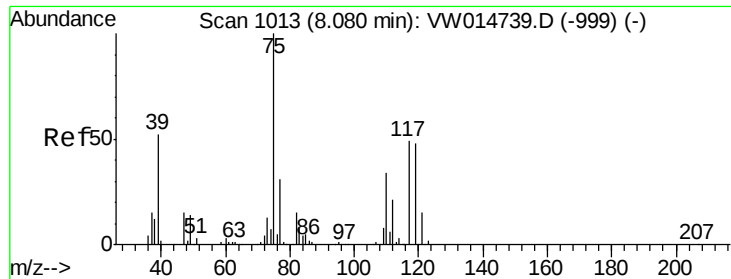
Tot Ion:114 Resp: 255960
Ion Ratio Lower Upper
114 100
63 20.7 0.0 41.2
88 16.2 0.0 32.2



#35
Dibromofluoromethane
Concen: 56.538 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.01 min
Lab File: VW014753.D
Acq: 24 Jan 2020 19:09

Tgt Ion:113 Resp: 84239
Ion Ratio Lower Upper
113 100
111 104.3 82.2 123.2
192 21.1 17.0 25.6

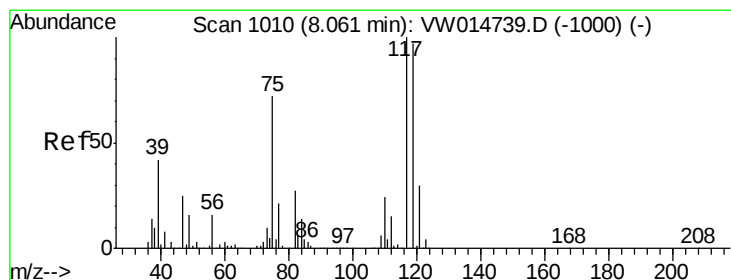
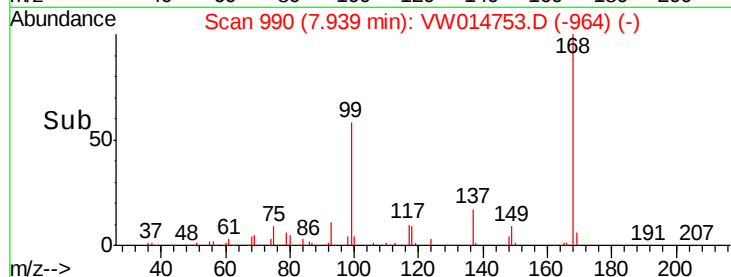
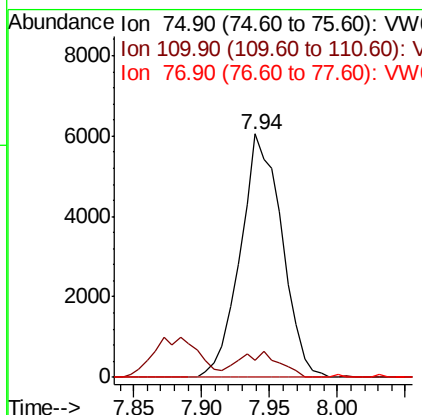
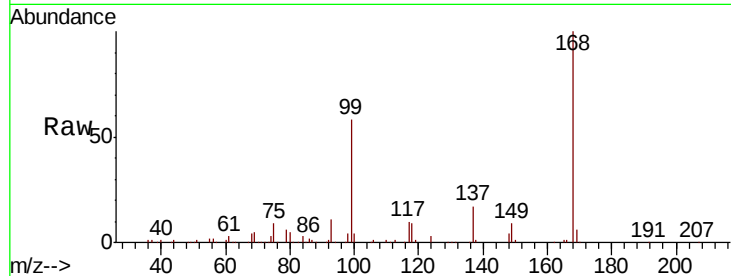




#36
 1,1-Dichloropropene
 Concen: 4.973 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW014753.D
 Acq: 24 Jan 2020 19:09

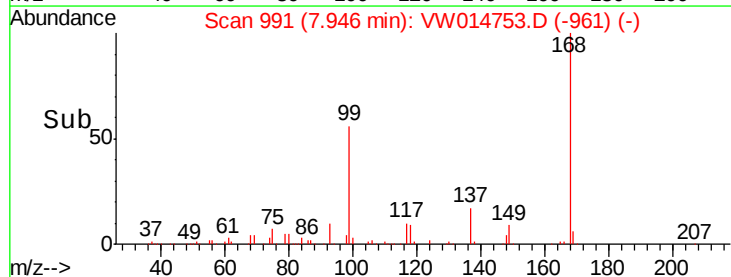
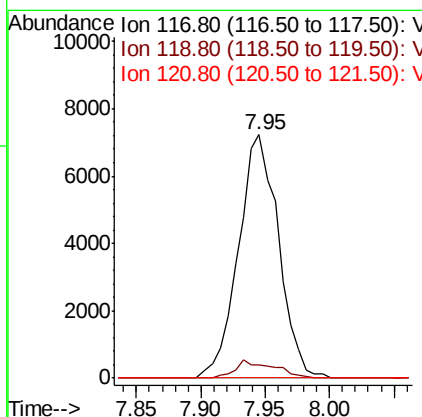
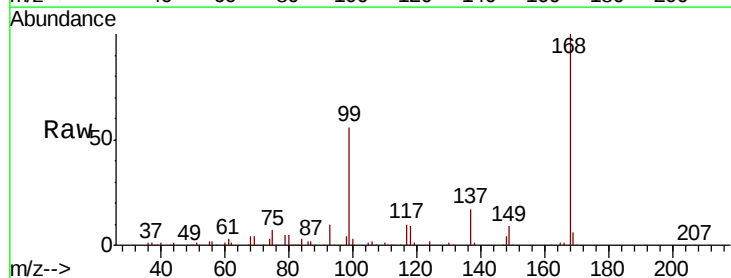
Instrument :
 MSVOA_W
 ClientSampled :
 TP-4-5

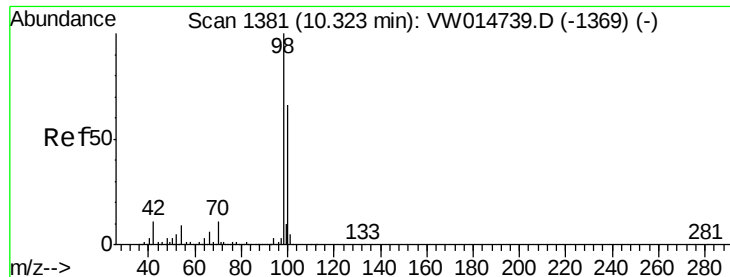
Tot Ion	75	Resp	12908
Ion Ratio	Lower	Upper	
75	100		
110	10.3	17.1	51.2#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.868 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW014753.D
 Acq: 24 Jan 2020 19:09

Tgt Ion	117	Resp	15526
Ion Ratio	Lower	Upper	
117	100		
119	5.3	77.5	116.3#
121	0.0	24.3	36.5#

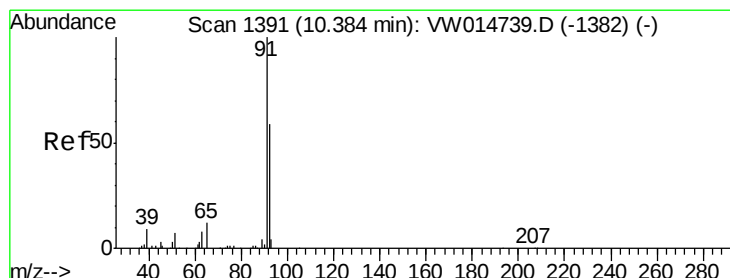
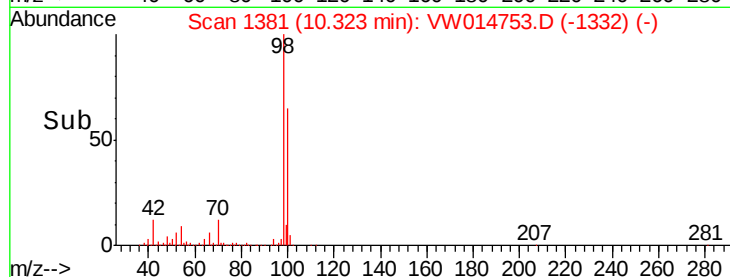
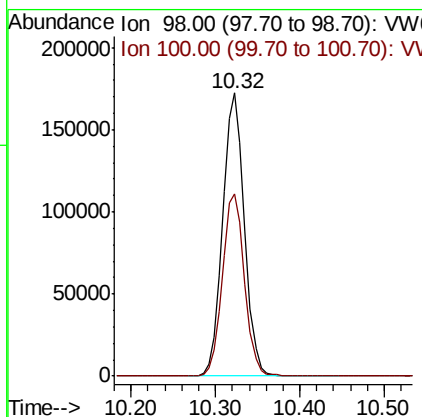
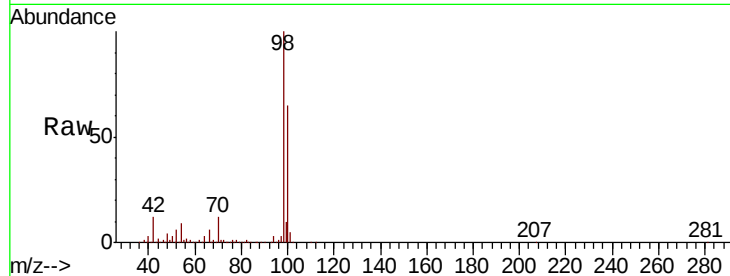




#50
Toluene-d8
Concen: 49.849 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014753.D
Acq: 24 Jan 2020 19:09

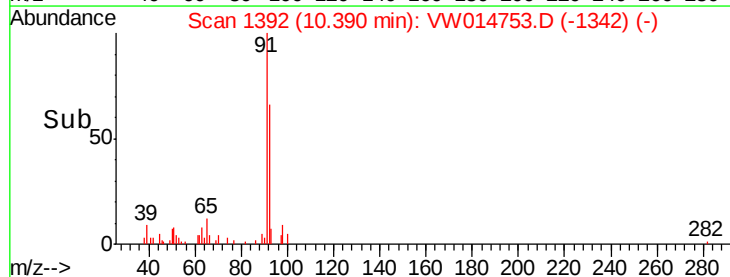
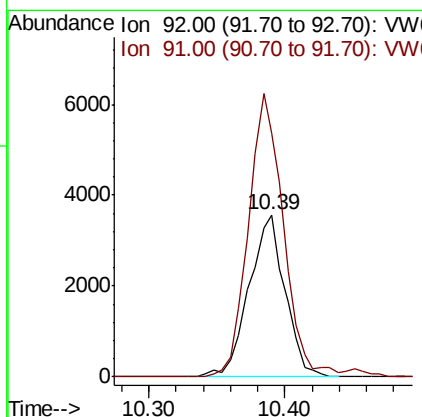
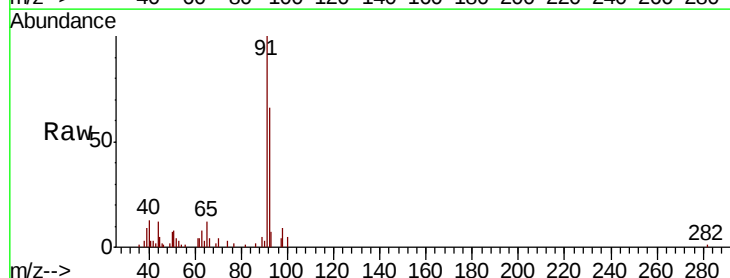
Instrument :
MSVOA_W
ClientSampleId :
TP-4-5

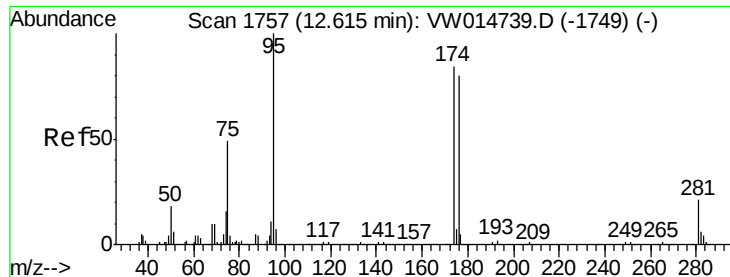
Tot Ion: 98 Resp: 306253
Ion Ratio Lower Upper
98 100
100 65.1 52.6 79.0



#52
Toluene
Concen: 1.489 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW014753.D
Acq: 24 Jan 2020 19:09

Tgt Ion: 92 Resp: 6587
Ion Ratio Lower Upper
92 100
91 170.4 135.8 203.8

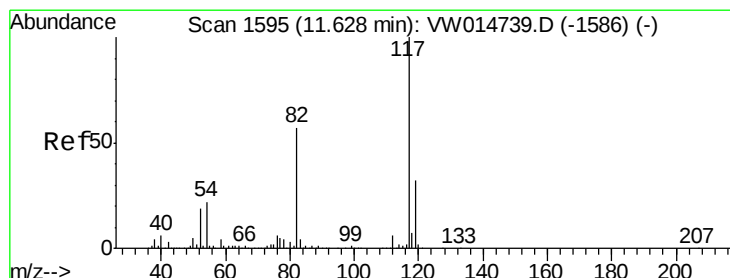
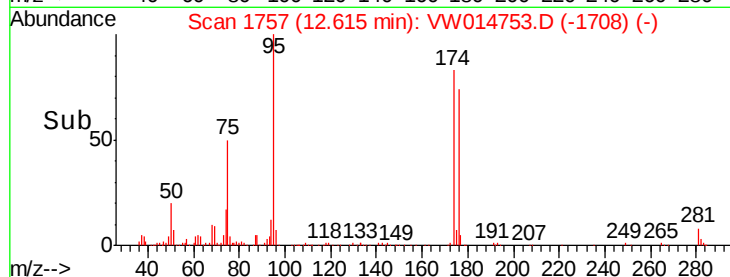
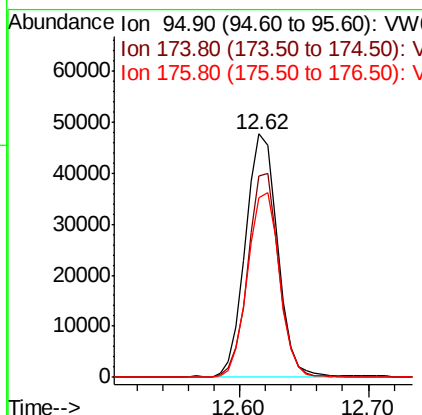
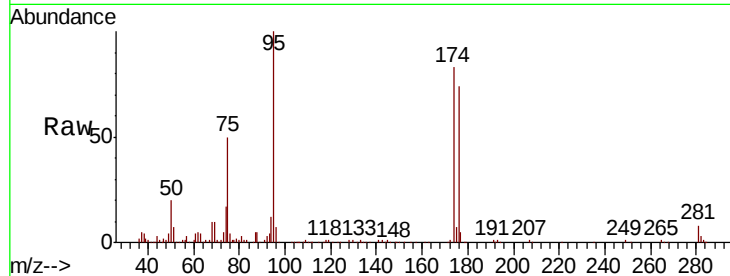




#62
4-Bromofluorobenzene
Concen: 39.797 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW014753.D
Acq: 24 Jan 2020 19:09

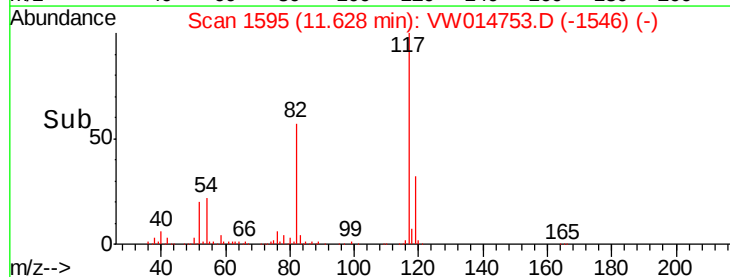
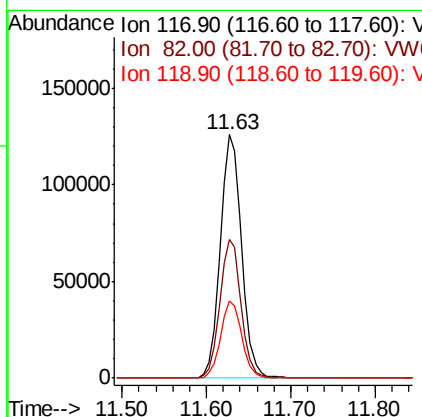
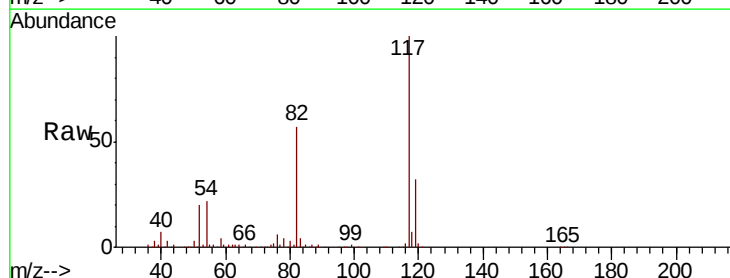
Instrument :
MSVOA_W
ClientSampled :
TP-4-5

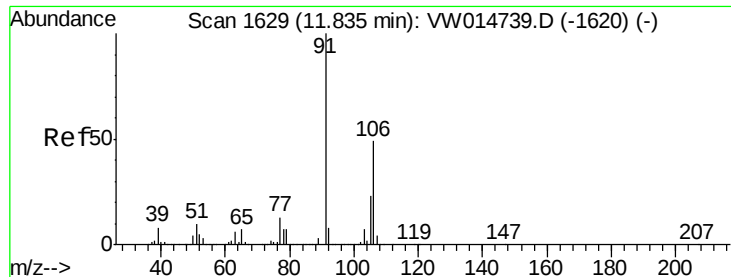
Tot Ion: 95 Resp: 81747
Ion Ratio Lower Upper
95 100
174 80.8 0.0 163.0
176 75.6 0.0 159.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014753.D
Acq: 24 Jan 2020 19:09

Tgt Ion: 117 Resp: 219908
Ion Ratio Lower Upper
117 100
82 57.1 45.9 68.9
119 31.8 25.7 38.5





#68

m/p-Xvlenes

Concen: 1.040 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW014753.D

Acq: 24 Jan 2020 19:09

Instrument :

MSVOA_W

ClientSampled :

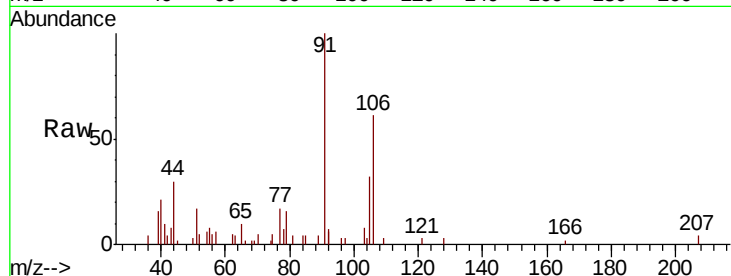
TP-4-5

Tot Ion:106 Resp: 3186

Ion Ratio Lower Upper

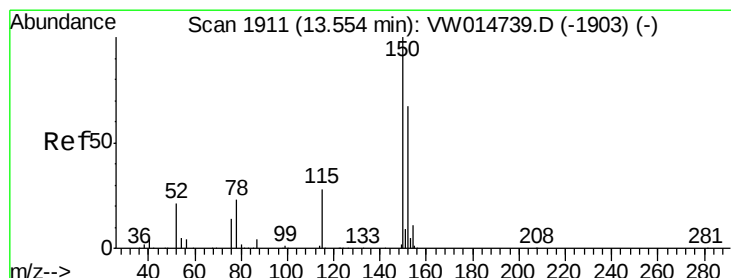
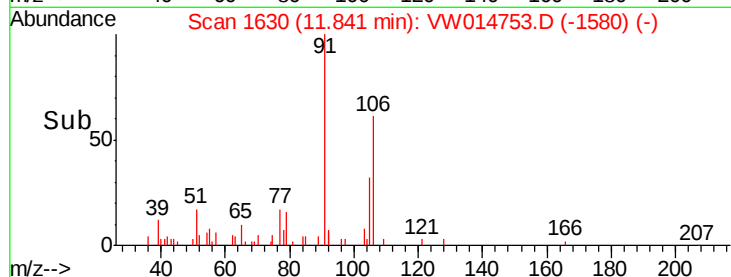
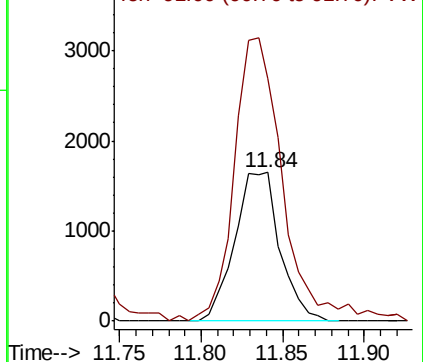
106 100

91 204.5 161.4 242.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014753.D

Acq: 24 Jan 2020 19:09

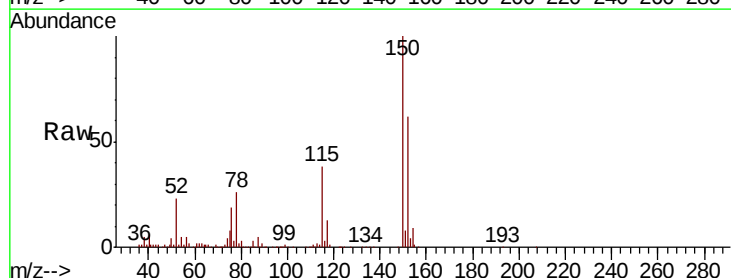
Tgt Ion:152 Resp: 63814

Ion Ratio Lower Upper

152 100

115 60.0 29.0 87.1

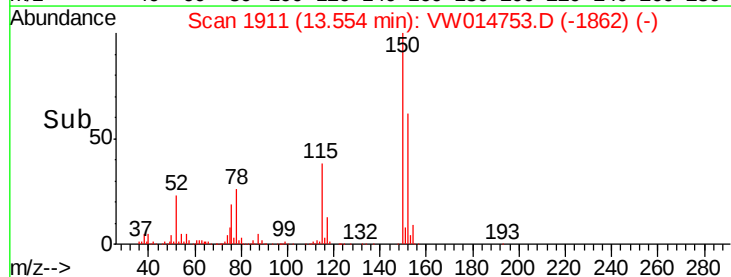
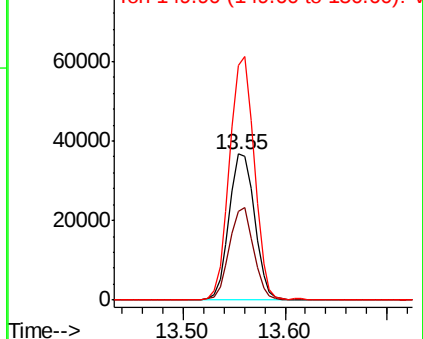
150 161.1 0.0 354.0

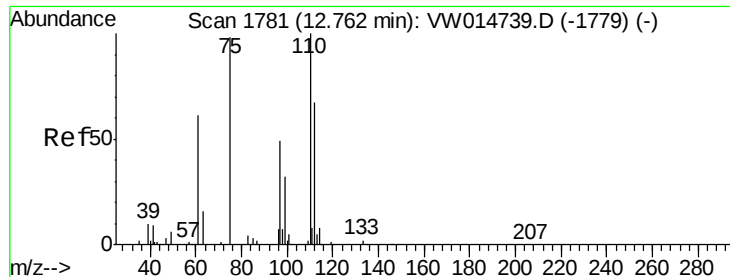


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 65.149 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014753.D

Acq: 24 Jan 2020 19:09

Instrument :

MSVOA_W

ClientSampled :

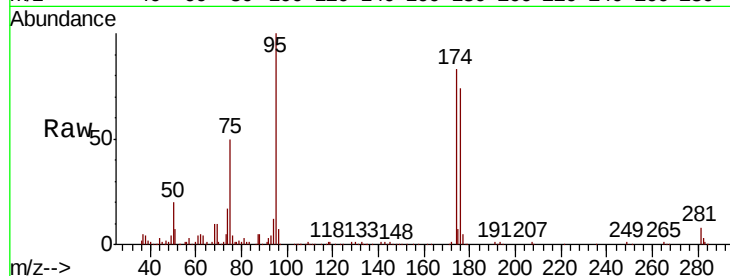
TP-4-5

Tot Ion: 75 Resp: 41277

Ion Ratio Lower Upper

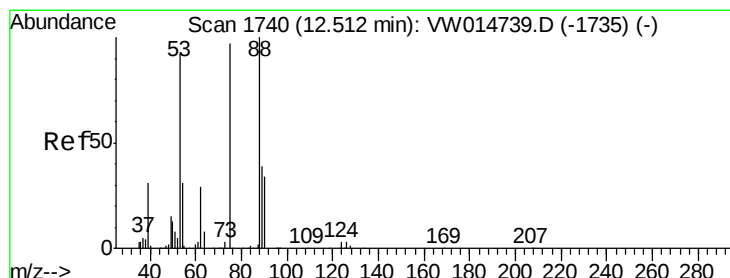
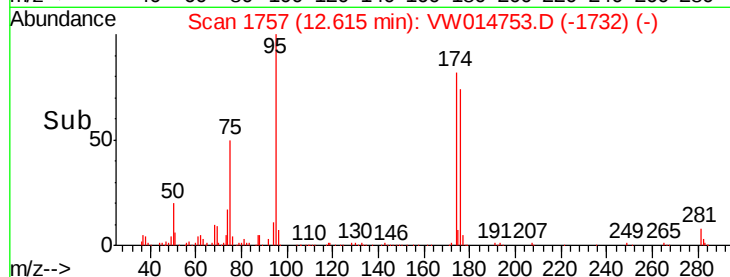
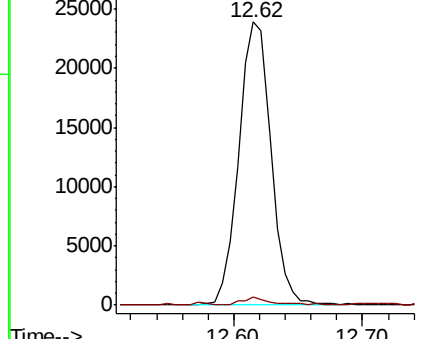
75 100

77 2.2 167.9 503.9#



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: 154.189 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014753.D

Acq: 24 Jan 2020 19:09

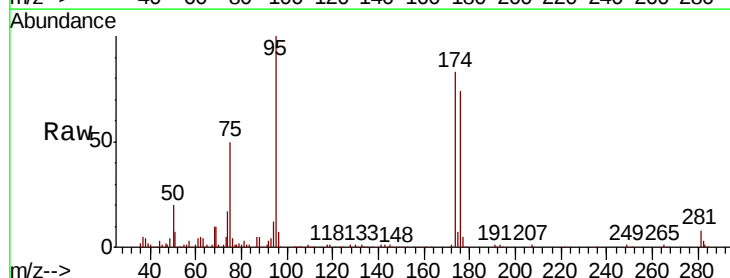
Tgt Ion: 75 Resp: 41277

Ion Ratio Lower Upper

75 100

53 0.7 77.0 115.4#

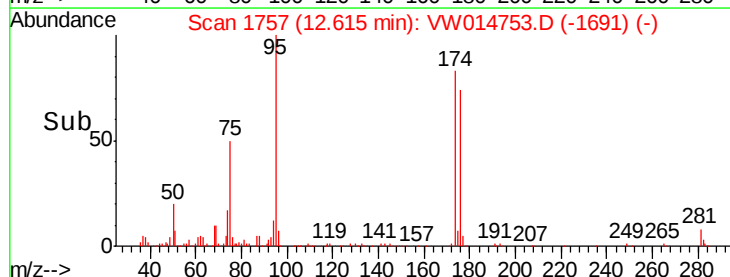
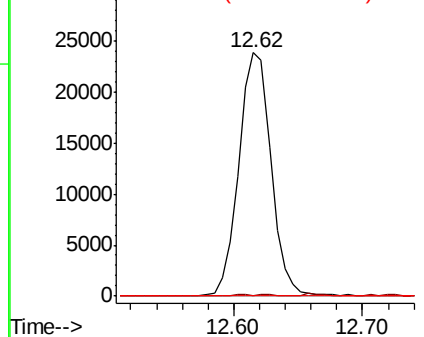
89 0.1 35.2 52.8#

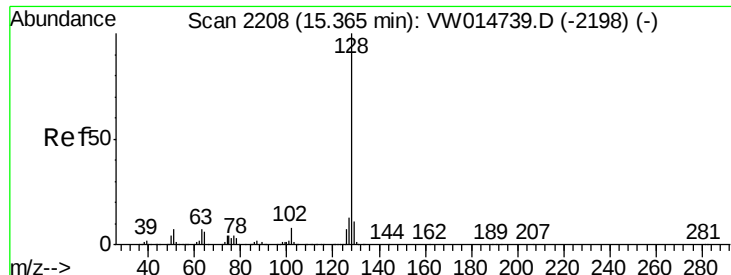


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 1.532 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW014753.D

Acq: 24 Jan 2020 19:09

Instrument :

MSVOA_W

ClientSampleId :

TP-4-5

Tot Ion:128 Resp: 1219

Ion Ratio Lower Upper

128 100

127 7.5 10.6 15.8#

129 7.5 8.8 13.2#

