

Data File : VW008461.D
Acq On : 30 Jan 2019 13:11
Operator : SY/VA
Sample : K1272-01
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TS-01-012819

Quant Time: Jan 31 00:25:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	353531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	562270	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	488544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	212845	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	182616	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
35) Dibromofluoromethane	7.88	113	175979	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
50) Toluene-d8	10.32	98	651549	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.62	95	227519	44.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.80%	

Target Compounds

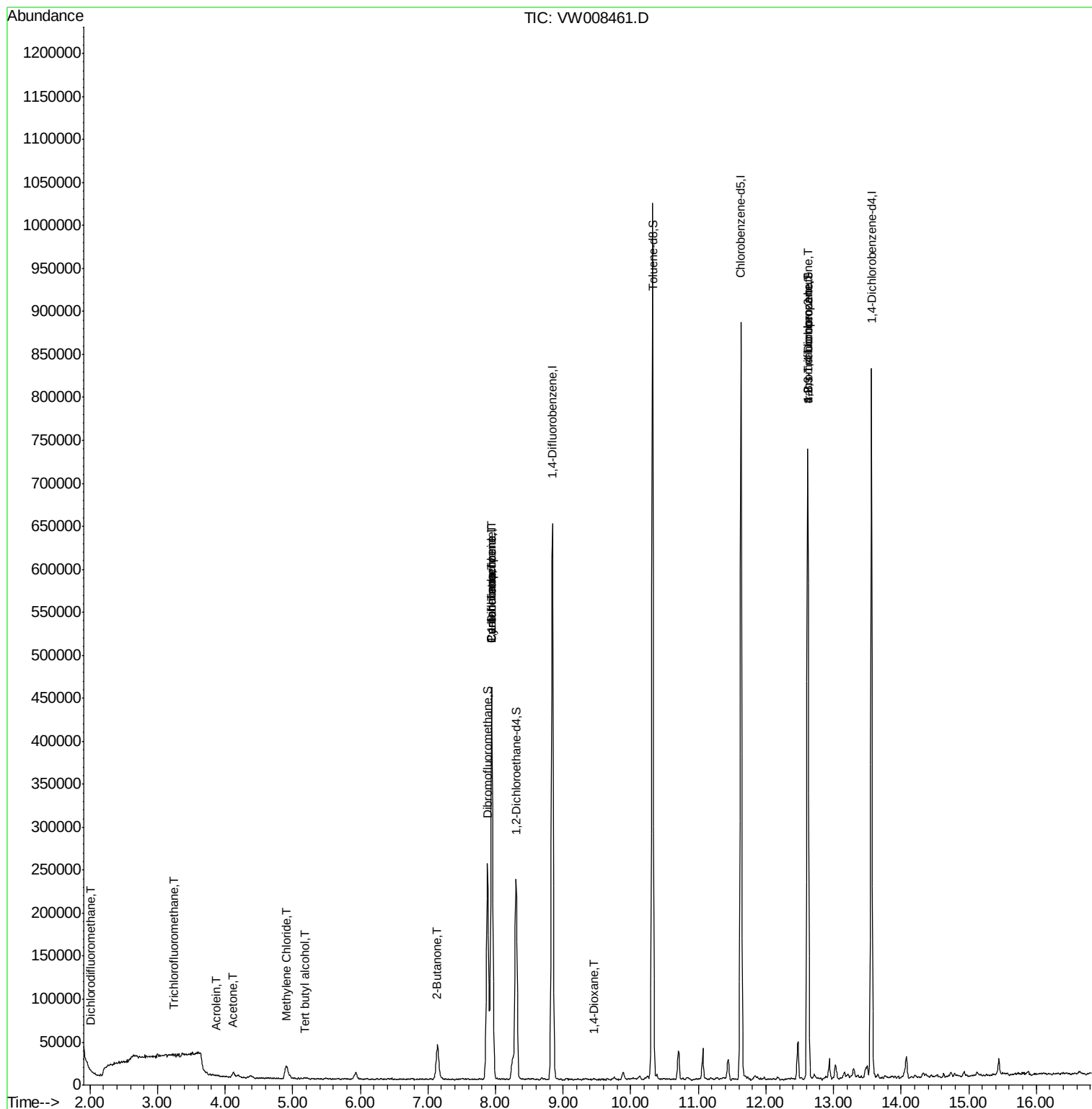
						Qvalue
2) Dichlorodifluoromethane	2.02	85	531	3.495	ug/l #	41
7) Trichlorofluoromethane	3.24	101	218	4.787	ug/l	88
11) Tert butyl alcohol	5.17	59	1998	7.145	ug/l #	89
13) Acrolein	3.88	56	165	4.843	ug/l #	54
16) Acetone	4.12	43	10140	13.001	ug/l	93
20) Methylene Chloride	4.90	84	12508	3.479	ug/l	96
25) 2-Butanone	7.14	43	2459	2.270	ug/l #	69
31) Cyclohexane	7.95	56	7452	1.093	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	25626	4.825	ug/l #	51
38) Carbon Tetrachloride	7.95	117	32718	6.122	ug/l #	17
49) 1,4-Dioxane	9.44	88	164	5.133	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	111584	60.298	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	111584	119.094	ug/l #	12

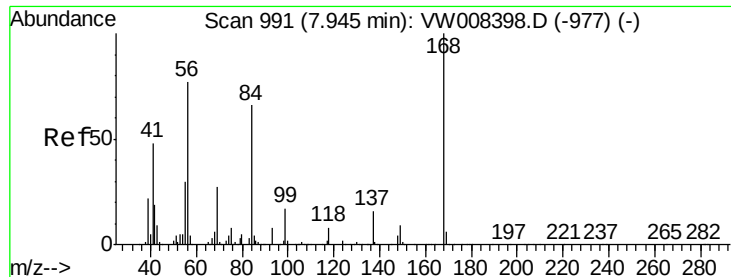
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008461.D

Acq: 30 Jan 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

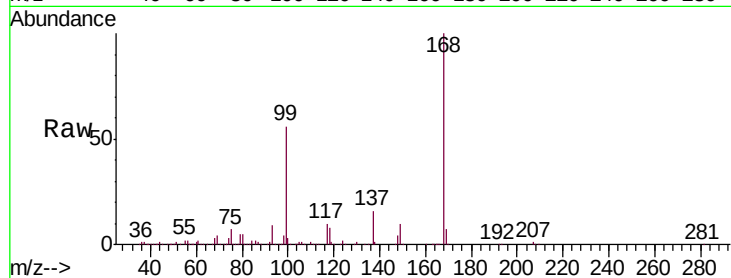
TS-01-012819

Tgt Ion:168 Resp: 353531

Ion Ratio Lower Upper

168 100

99 56.0 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

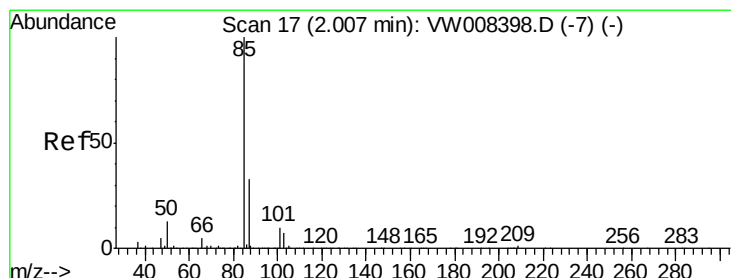
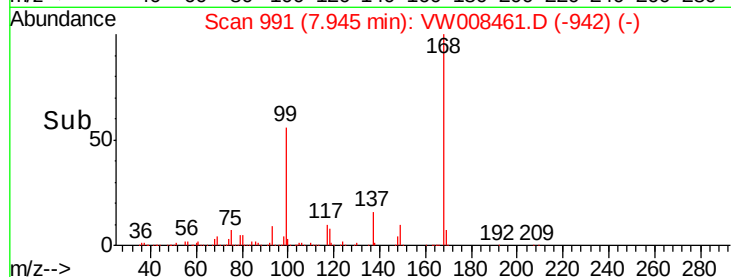
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.495 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW008461.D

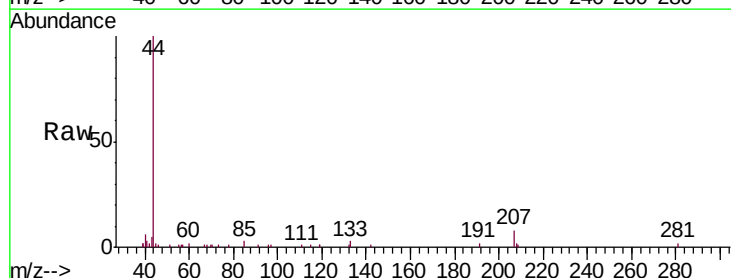
Acq: 30 Jan 2019 13:11

Tgt Ion: 85 Resp: 531

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.02

300

250

200

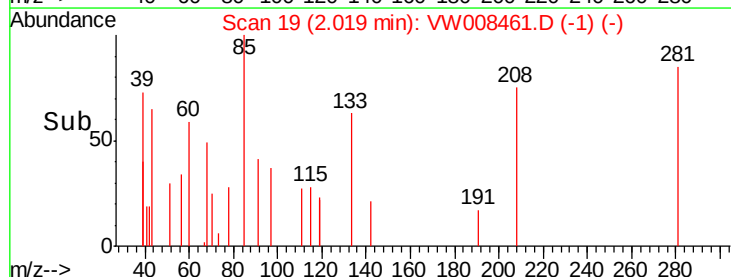
150

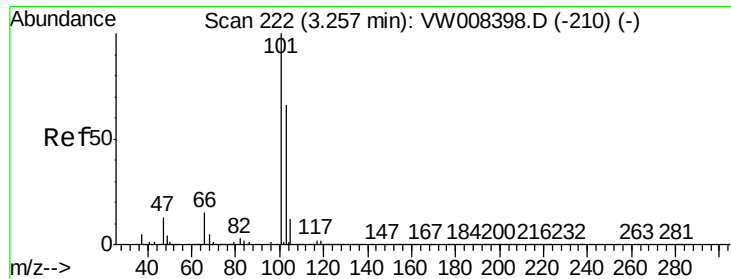
100

50

0

Time-->



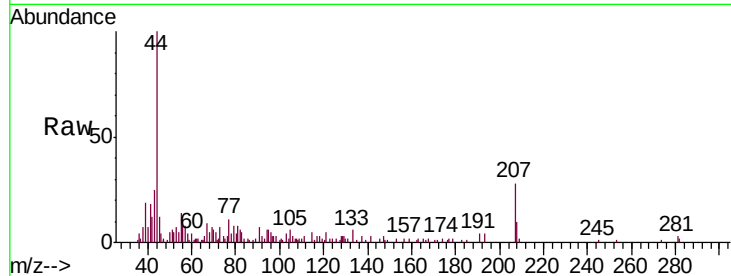


#7

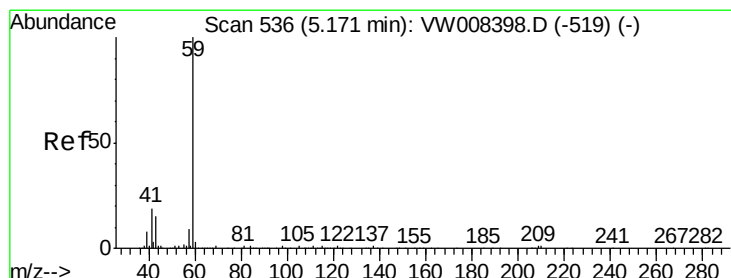
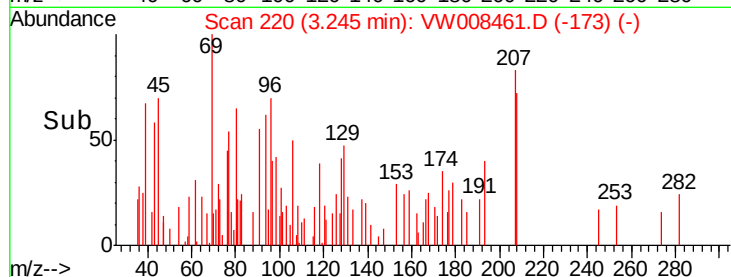
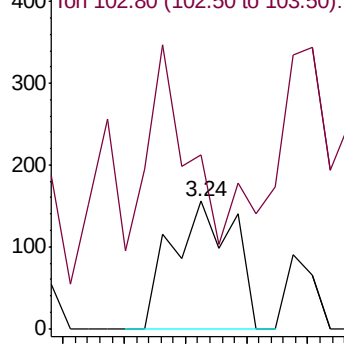
Trichlorofluoromethane
Concen: 4.787 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW008461.D
Acq: 30 Jan 2019 13:11

Instrument :
MSVOA_W
ClientSampleId :
TS-01-012819

Tgt Ion:101 Resp: 218
Ion Ratio Lower Upper
101 100
103 75.0 52.5 78.7



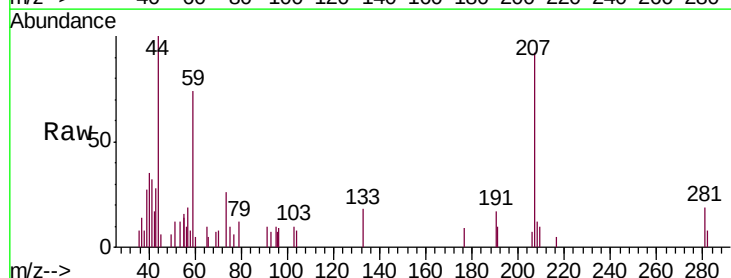
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



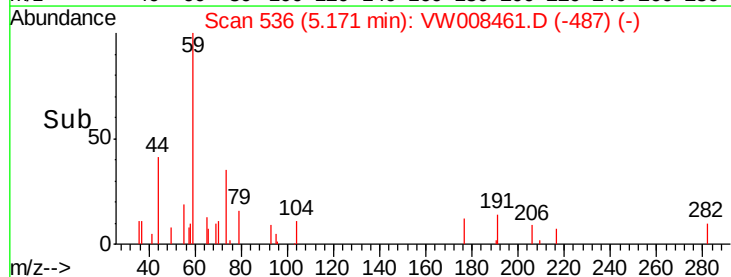
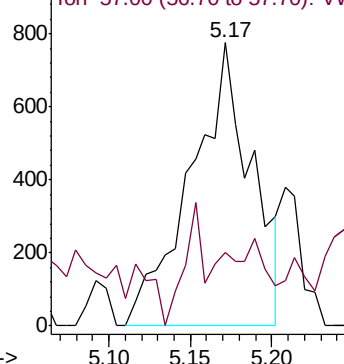
#11

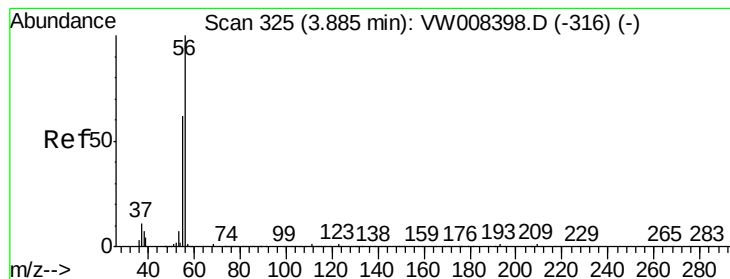
Tert butyl alcohol
Concen: 7.145 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.00 min
Lab File: VW008461.D
Acq: 30 Jan 2019 13:11

Tgt Ion: 59 Resp: 1998
Ion Ratio Lower Upper
59 100
57 15.9 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 4.843 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008461.D

Acq: 30 Jan 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

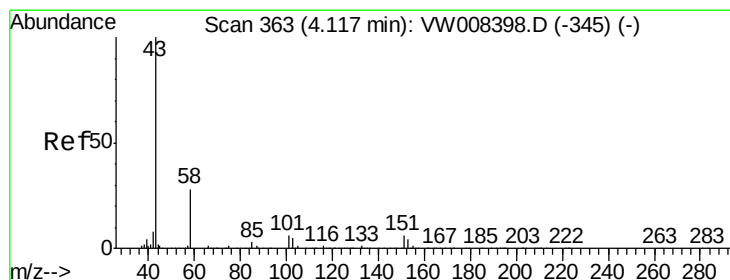
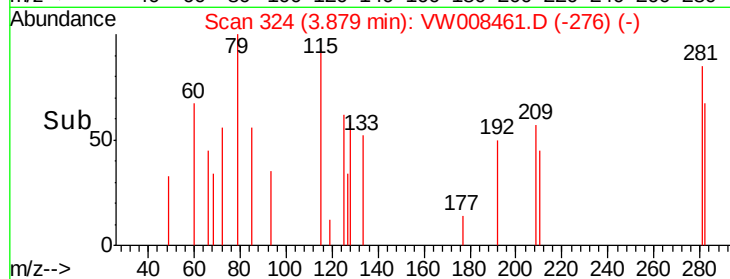
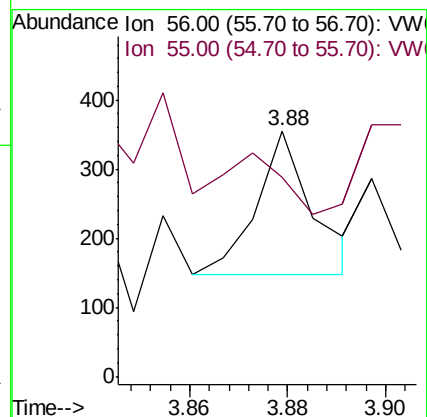
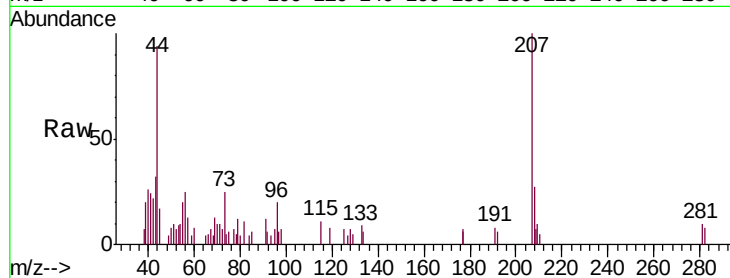
TS-01-012819

Tgt Ion: 56 Resp: 165

Ion Ratio Lower Upper

56 100

55 109.1 56.7 85.1#



#16

Acetone

Concen: 13.001 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008461.D

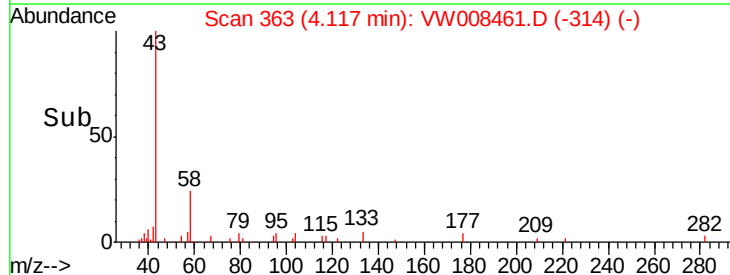
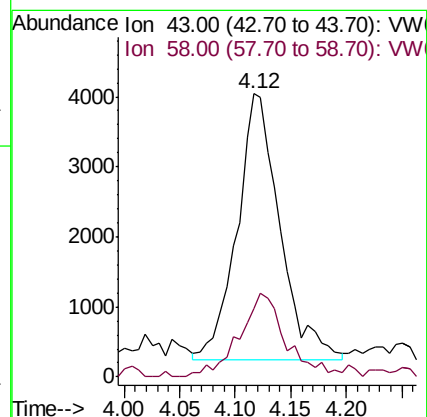
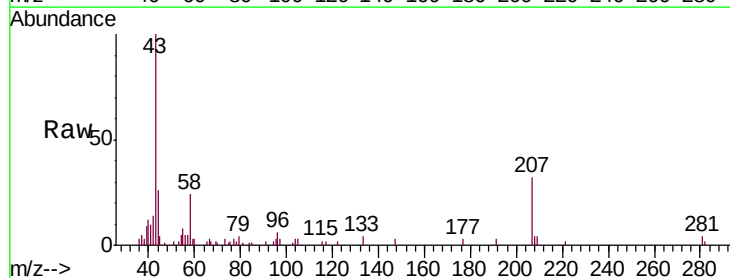
Acq: 30 Jan 2019 13:11

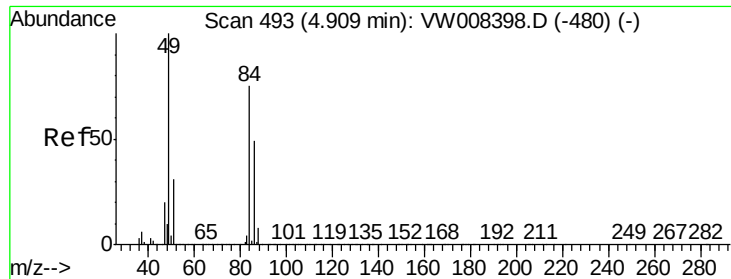
Tgt Ion: 43 Resp: 10140

Ion Ratio Lower Upper

43 100

58 24.7 22.6 34.0

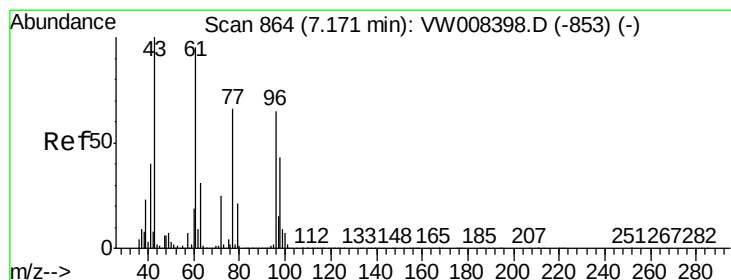
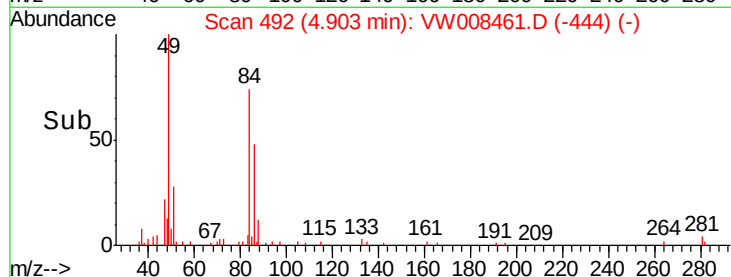
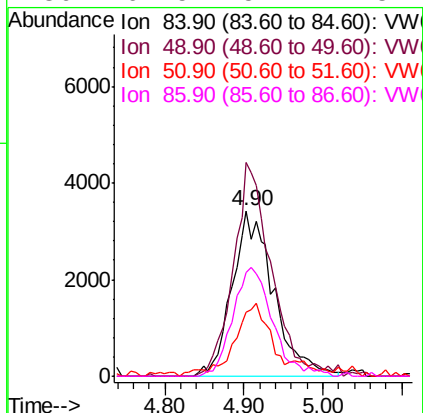
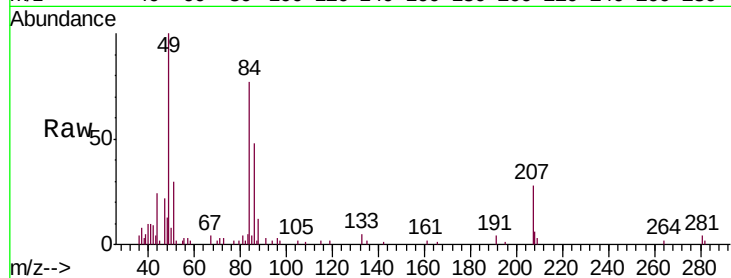




#20
Methylene Chloride
Concen: 3.479 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008461.D
Acq: 30 Jan 2019 13:11

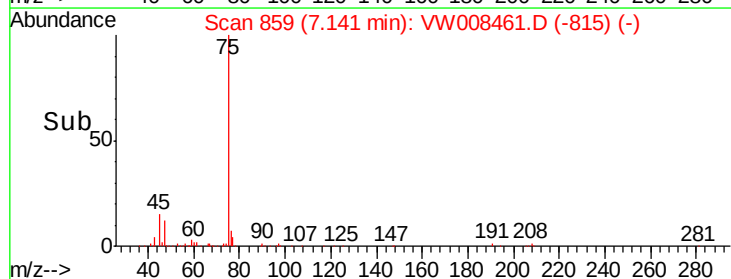
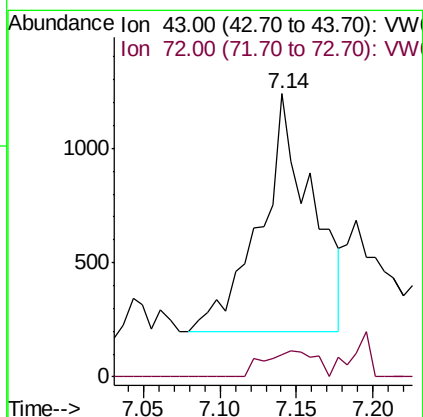
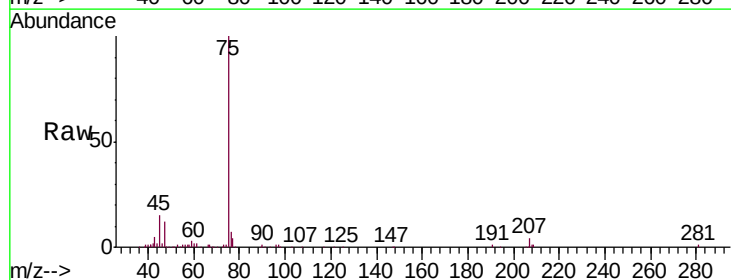
Instrument :
MSVOA_W
ClientSampleId :
TS-01-012819

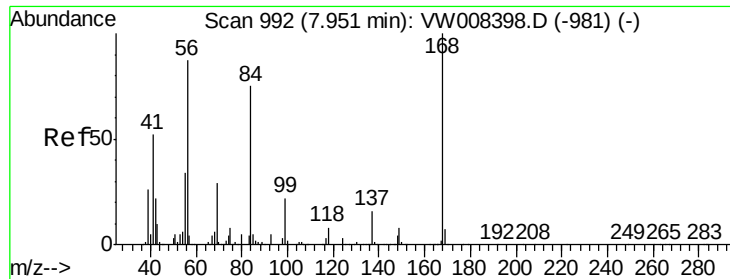
Tgt Ion:	84	Resp:	12508
Ion	Ratio	Lower	Upper
84	100		
49	129.1	106.8	160.2
51	36.0	32.9	49.3
86	62.5	52.2	78.2



#25
2-Butanone
Concen: 2.270 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW008461.D
Acq: 30 Jan 2019 13:11

Tgt Ion:	43	Resp:	2459
Ion	Ratio	Lower	Upper
43	100		
72	9.5	20.1	30.1#

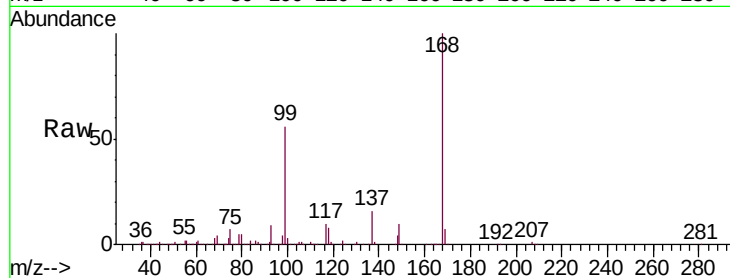




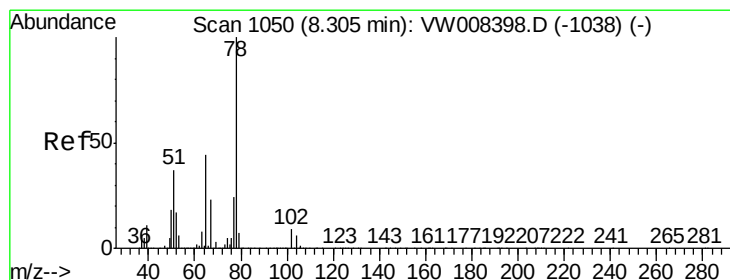
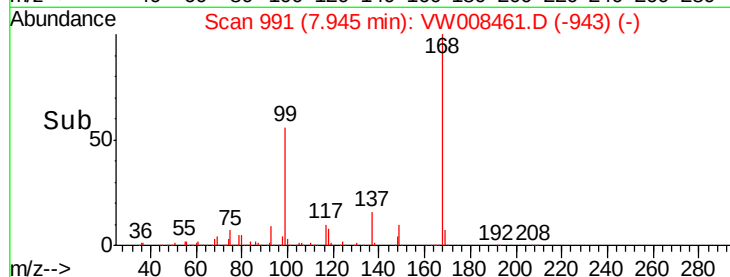
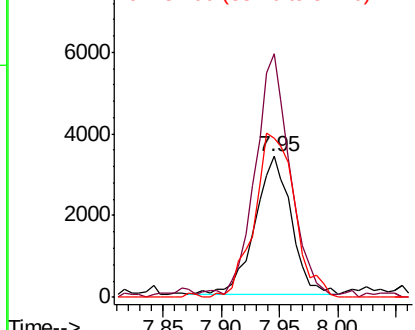
#31
Cyclohexane
Concen: 1.093 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008461.D
Acq: 30 Jan 2019 13:11

Instrument :
MSVOA_W
ClientSampleId :
TS-01-012819

Tgt Ion: 56 Resp: 7452
Ion Ratio Lower Upper
56 100
69 173.2 26.4 39.6#
84 115.1 69.1 103.7#

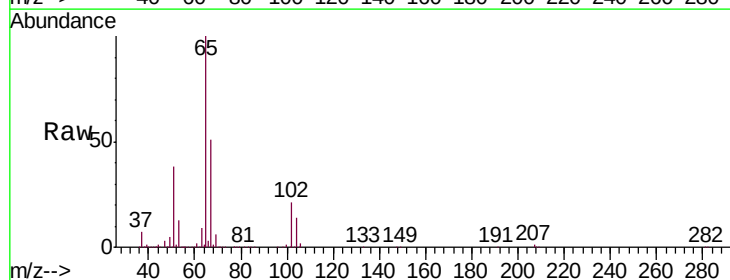


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

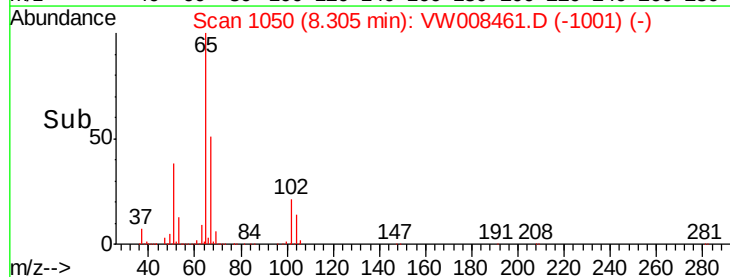
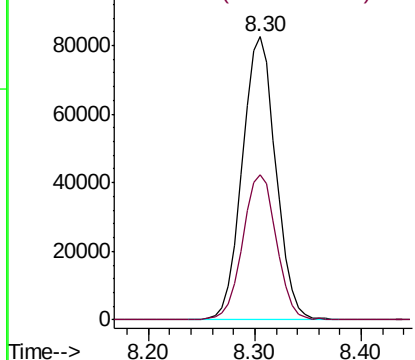


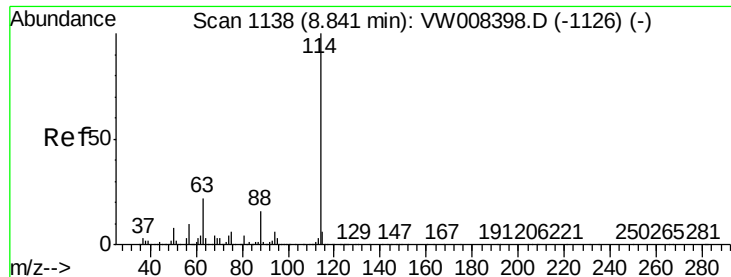
#33
1,2-Dichloroethane-d4
Concen: 52.580 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008461.D
Acq: 30 Jan 2019 13:11

Tgt Ion: 65 Resp: 182616
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.0



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

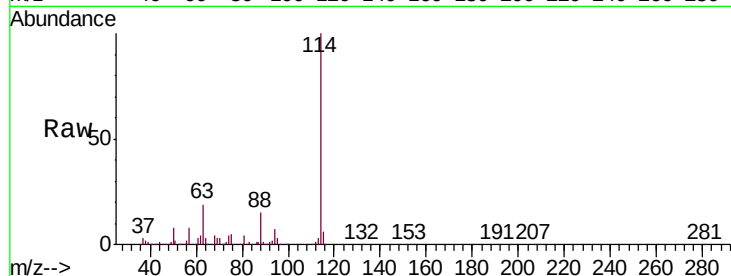




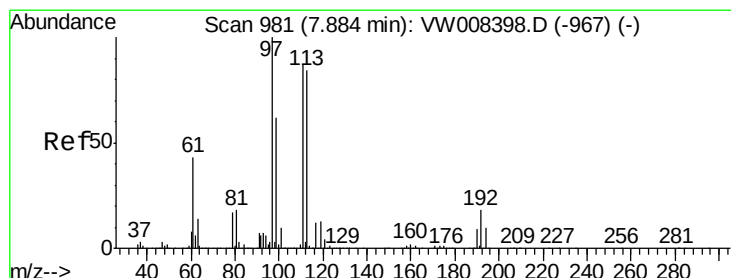
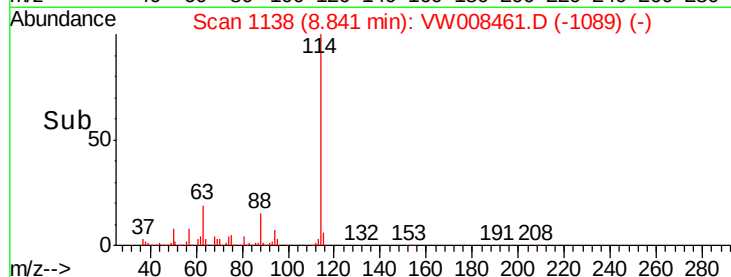
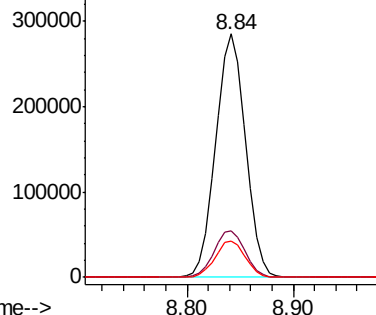
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008461.D
 Acq: 30 Jan 2019 13:11

Instrument :
 MSVOA_W
 ClientSampleId :
 TS-01-012819

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	43.6
88	15.0	0.0	31.8

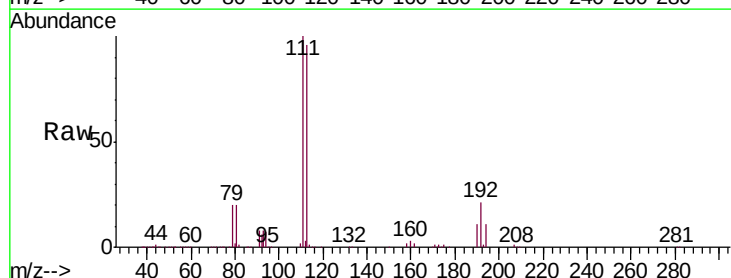


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

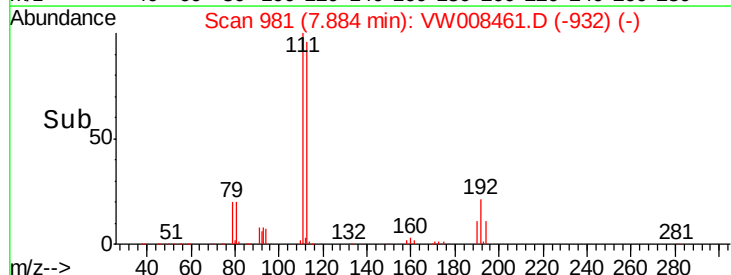
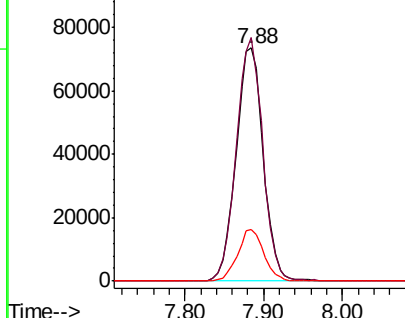


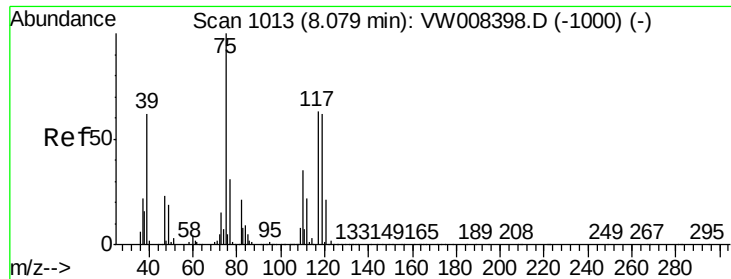
#35
 Dibromofluoromethane
 Concen: 53.525 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008461.D
 Acq: 30 Jan 2019 13:11

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.0	121.4
192	21.3	16.8	25.2



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

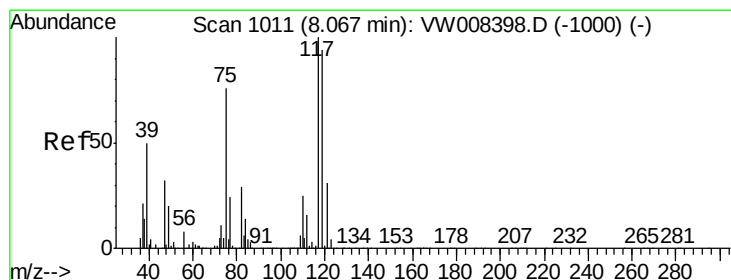
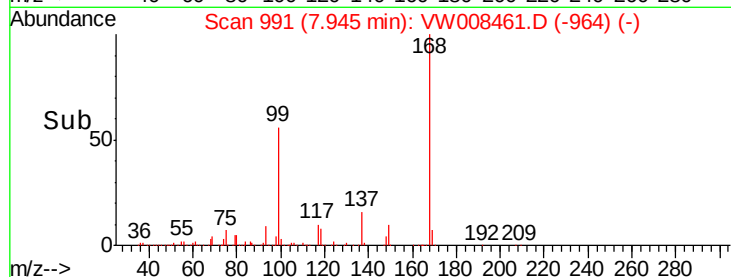
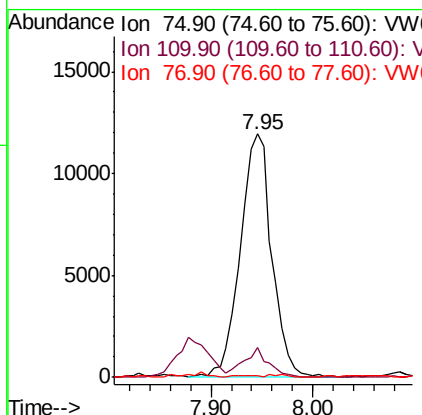
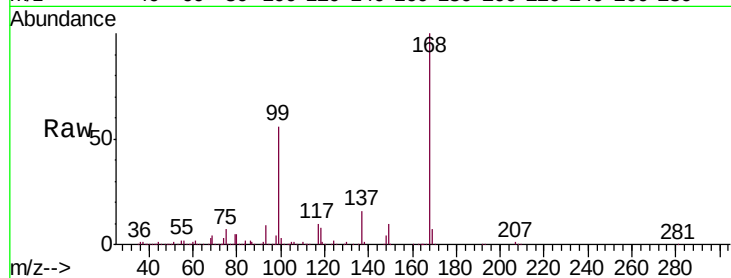




#36
 1,1-Dichloropropene
 Concen: 4.825 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008461.D
 Acq: 30 Jan 2019 13:11

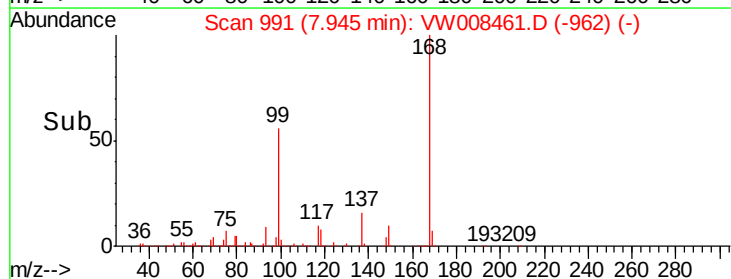
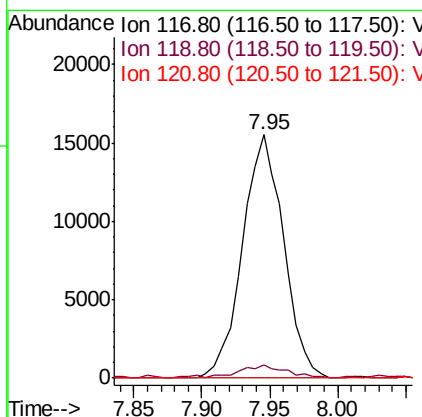
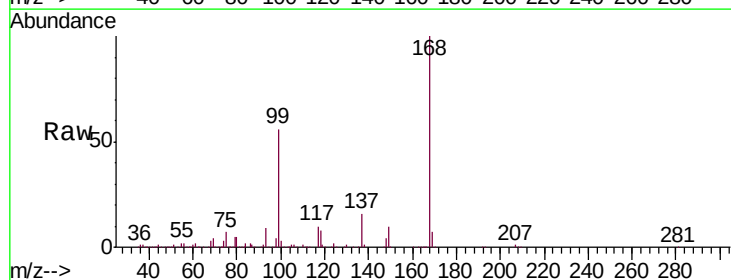
Instrument :
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 TS-01-012819

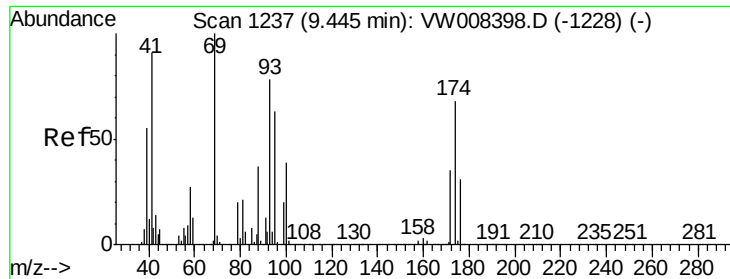
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.3	52.0#
77	0.5	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.122 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008461.D
 Acq: 30 Jan 2019 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.0	112.4#
121	0.0	24.9	37.3#

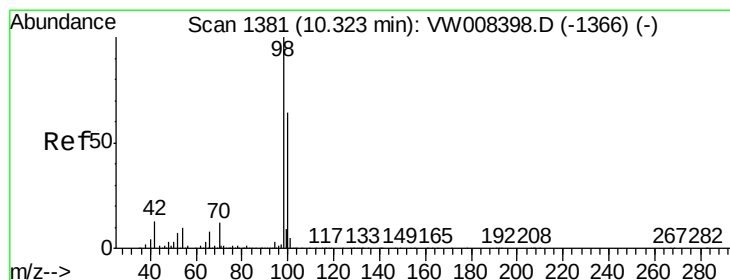
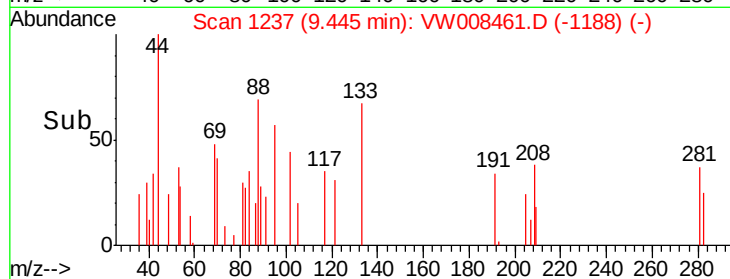
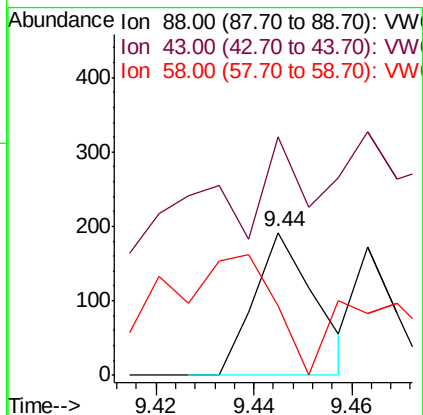
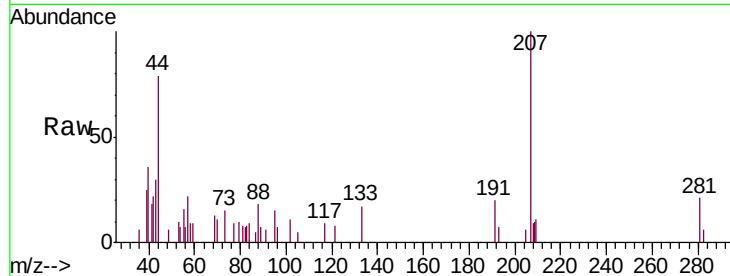




#49
1,4-Dioxane
Concen: 5.133 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW008461.D
Acq: 30 Jan 2019 13:11

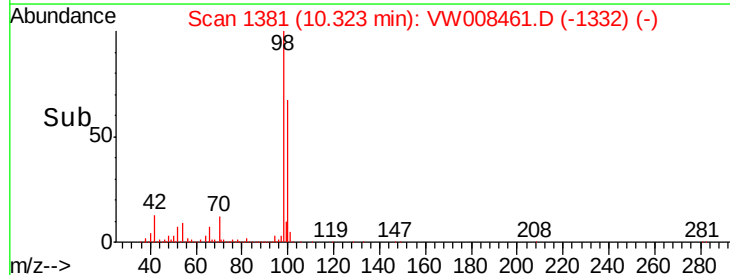
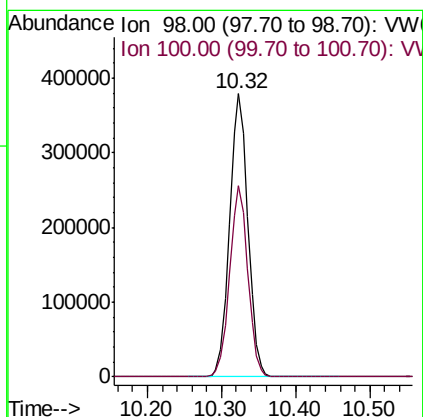
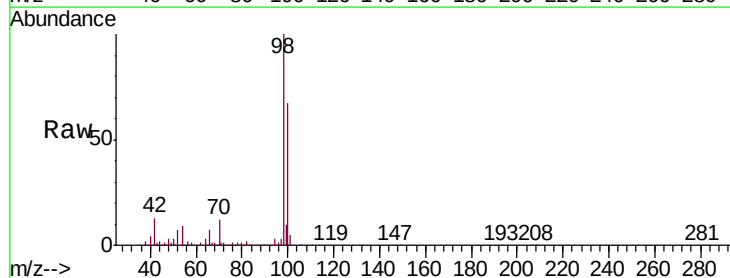
Instrument :
MSVOA_W
ClientSampleId :
TS-01-012819

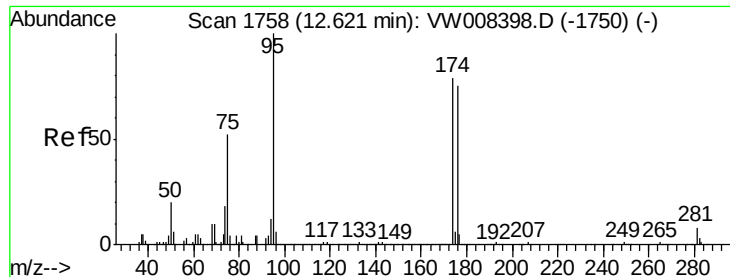
Tgt Ion: 88 Resp: 164
Ion Ratio Lower Upper
88 100
43 29.9 29.0 43.4
58 169.5 56.4 84.6#



#50
Toluene-d8
Concen: 49.419 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008461.D
Acq: 30 Jan 2019 13:11

Tgt Ion: 98 Resp: 651549
Ion Ratio Lower Upper
98 100
100 66.8 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 44.895 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008461.D

Acq: 30 Jan 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

TS-01-012819

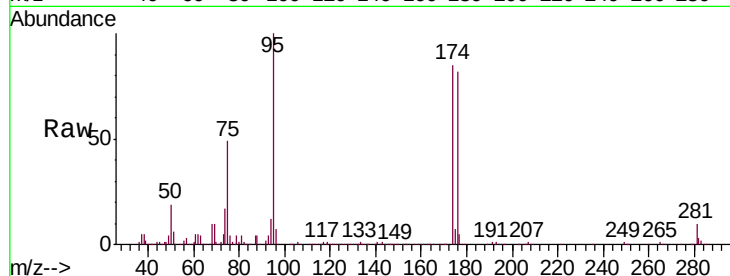
Tgt Ion: 95 Resp: 227519

Ion Ratio Lower Upper

95 100

174 85.5 0.0 157.6

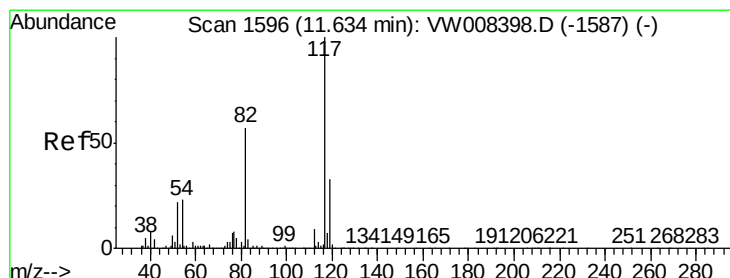
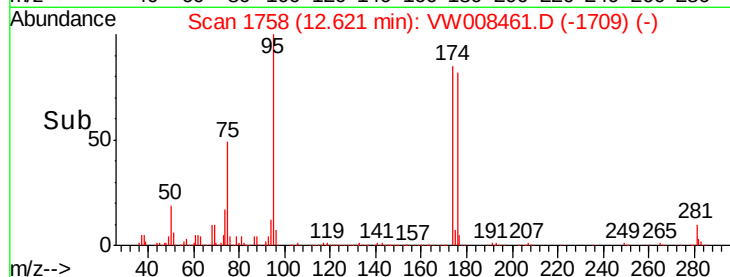
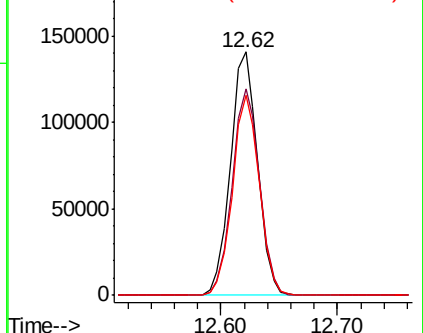
176 81.6 0.0 151.8



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW008461.D

Acq: 30 Jan 2019 13:11

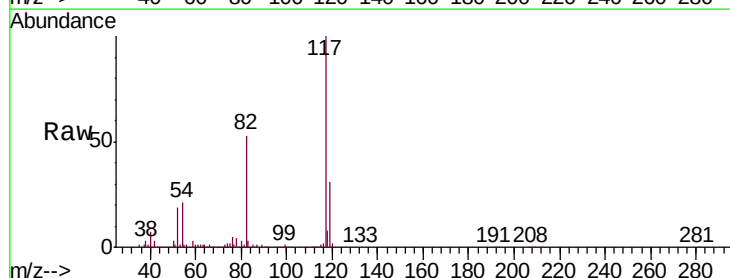
Tgt Ion: 117 Resp: 488544

Ion Ratio Lower Upper

117 100

82 53.4 45.4 68.0

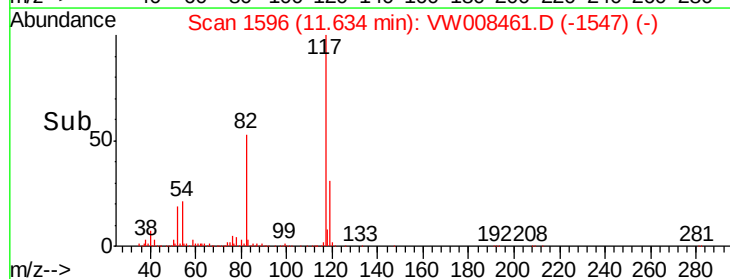
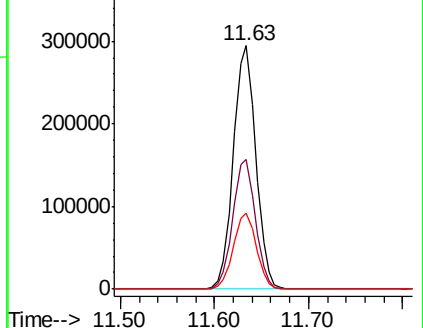
119 31.4 26.2 39.4

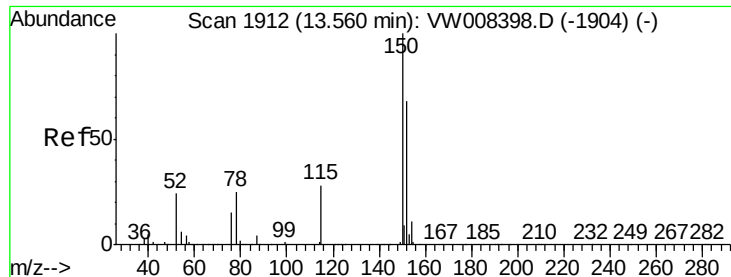


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



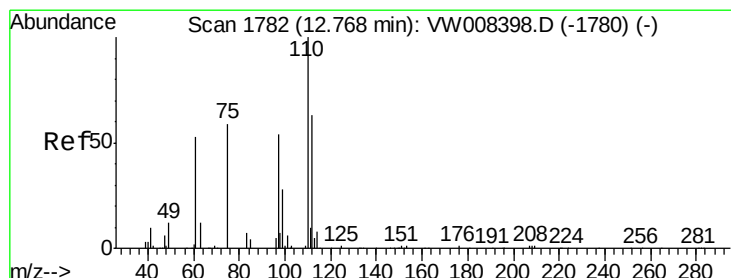
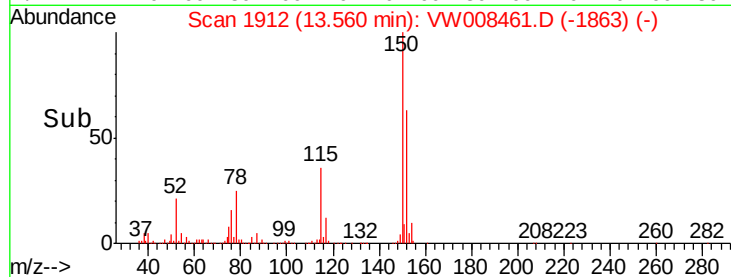
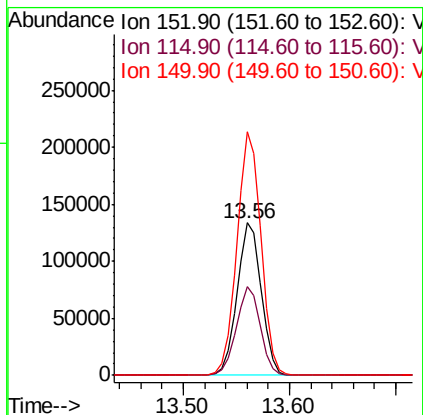
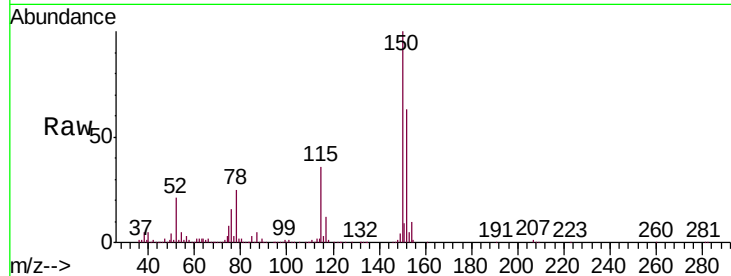


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008461.D
Acq: 30 Jan 2019 13:11

Instrument :
MSVOA_W
ClientSampled :
TS-01-012819

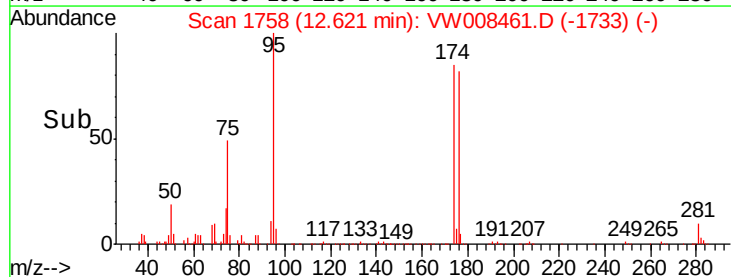
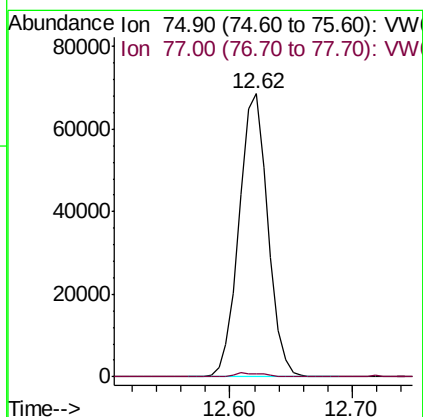
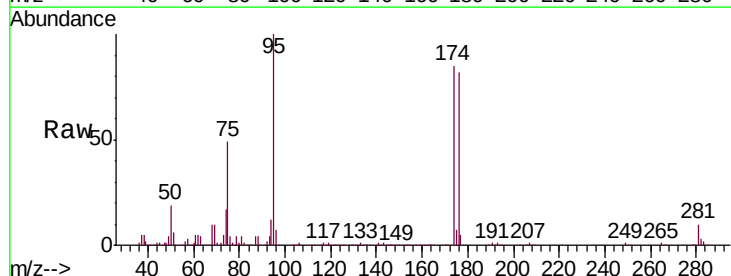
Tgt Ion: 152 Resp: 212845
Ion Ratio Lower Upper
152 100
115 57.5 29.9 89.7
150 158.6 0.0 351.4

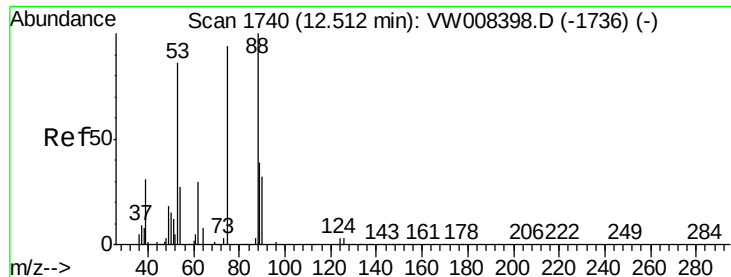


#76

1,2,3-Trichloropropane
Concen: 60.298 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW008461.D
Acq: 30 Jan 2019 13:11

Tgt Ion: 75 Resp: 111584
Ion Ratio Lower Upper
75 100
77 1.6 180.7 542.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 119.094 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008461.D

Acq: 30 Jan 2019 13:11

Instrument :

MSVOA_W

ClientSampleId :

TS-01-012819

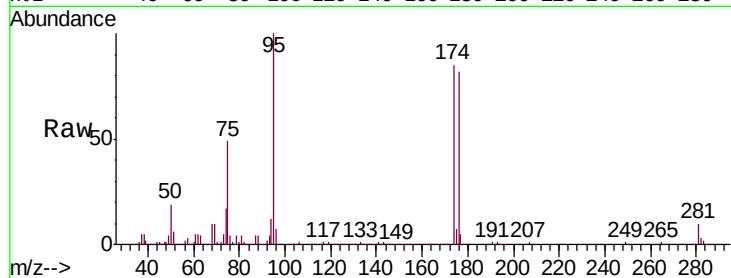
Tgt Ion: 75 Resp: 111584

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.2 35.4 53.0#



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

