

Data File : VW008176.D
Acq On : 11 Jan 2019 05:07
Operator : SY/AP
Sample : K1099-17
Misc : 5.80G/5ML/MSVOA_W/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-19-20

Quant Time: Jan 11 07:25:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	84961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	159691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	133611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	50292	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	54273	56.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.68%	
35) Dibromofluoromethane	7.88	113	50056	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	
50) Toluene-d8	10.32	98	202016	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
62) 4-Bromofluorobenzene	12.62	95	57937	41.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.70%	

Target Compounds

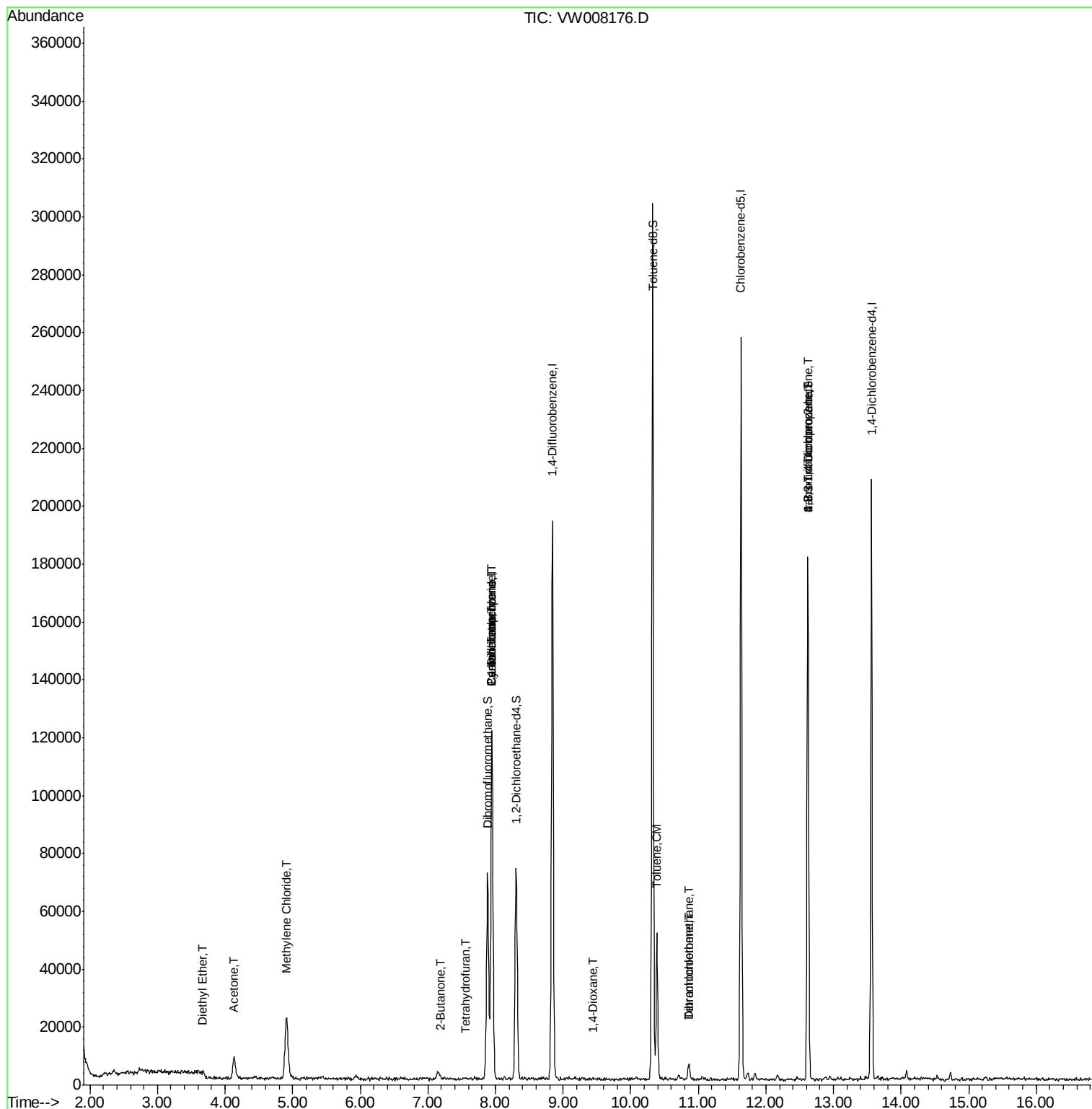
					Qvalue	
8) Diethyl Ether	3.67	74	1008	1.868	ug/l	60
11) Tert butyl alcohol	5.23	59	164	Below	Cal #	100
13) Acrolein	3.90	56	52	Below	Cal #	66
16) Acetone	4.14	43	14625	69.977	ug/l	98
20) Methylene Chloride	4.90	84	15968	13.472	ug/l	95
25) 2-Butanone	7.18	43	606	2.281	ug/l #	75
29) Tetrahydrofuran	7.56	42	895	5.043	ug/l #	55
31) Cyclohexane	7.95	56	2656	1.322	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	7697	4.679	ug/l #	51
38) Carbon Tetrachloride	7.95	117	9472	6.291	ug/l #	17
49) 1,4-Dioxane	9.43	88	20	2.289	ug/l #	74
52) Toluene	10.39	92	21356	7.495	ug/l	99
60) Dibromochloromethane	10.87	129	1113	1.329	ug/l #	11
64) Tetrachloroethene	10.86	164	1175	1.351	ug/l	87
76) 1,2,3-Trichloropropane	12.62	75	29474	64.288	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	29474	149.708	ug/l #	11

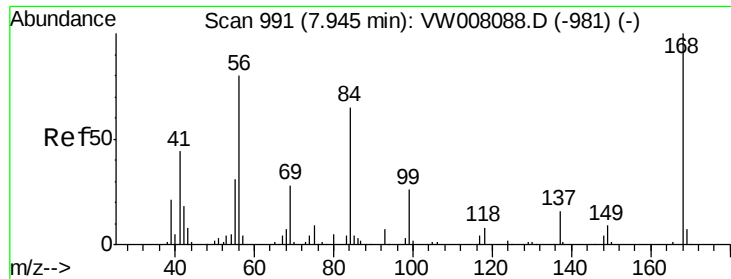
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008176.D

Acq: 11 Jan 2019 05:07

Instrument :

MSVOA_W

ClientSampleId :

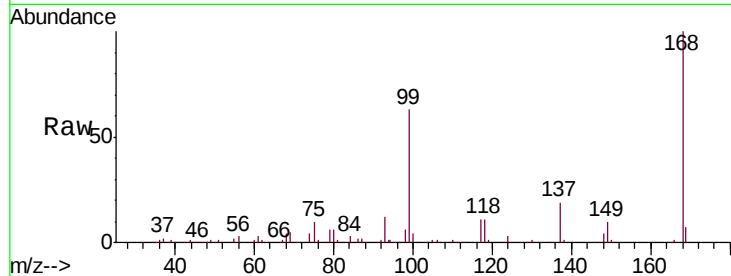
TP-19-20

Tgt Ion:168 Resp: 84961

Ion Ratio Lower Upper

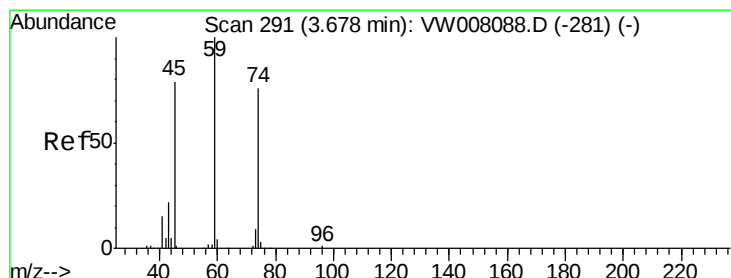
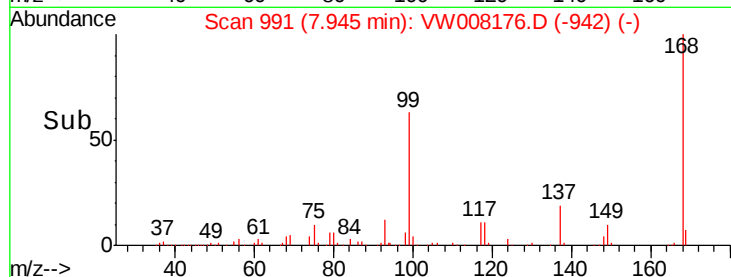
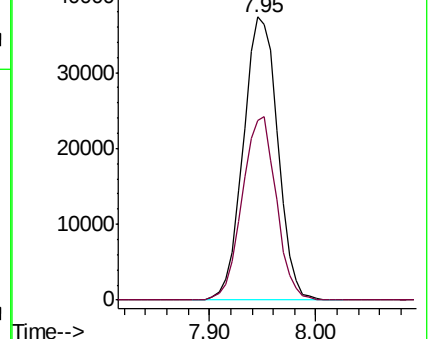
168 100

99 63.3 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.868 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW008176.D

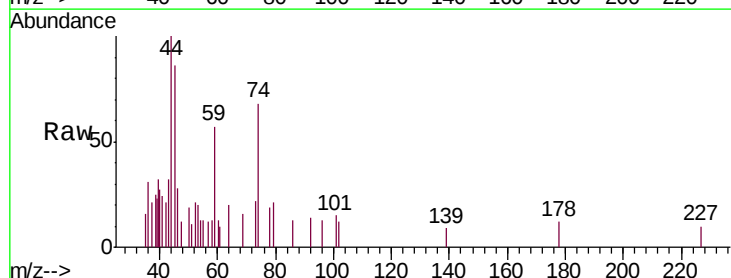
Acq: 11 Jan 2019 05:07

Tgt Ion: 74 Resp: 1008

Ion Ratio Lower Upper

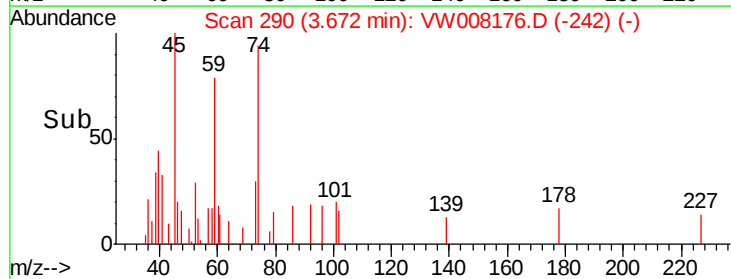
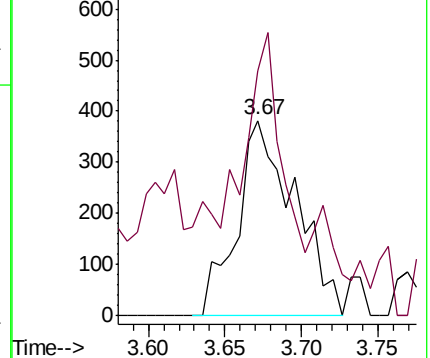
74 100

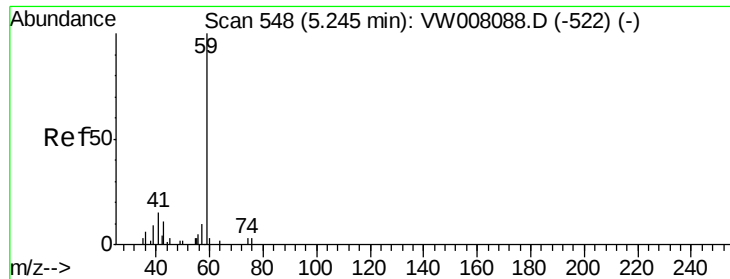
45 63.6 52.4 157.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

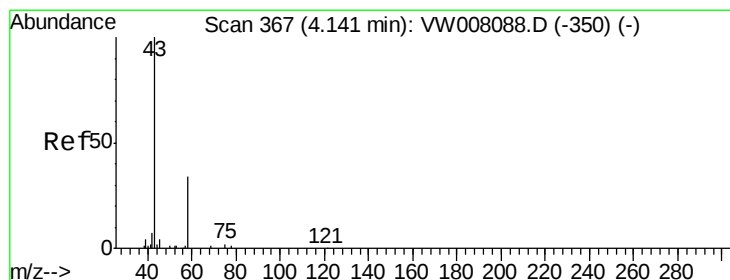
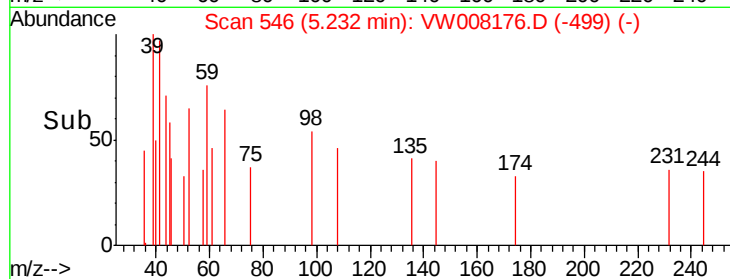
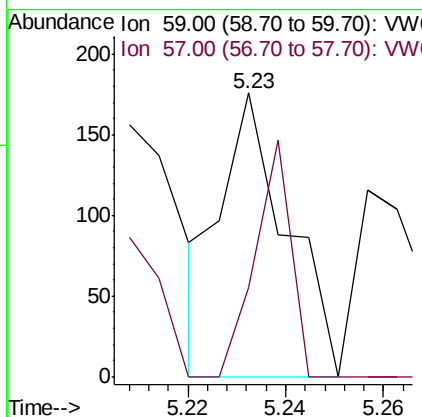
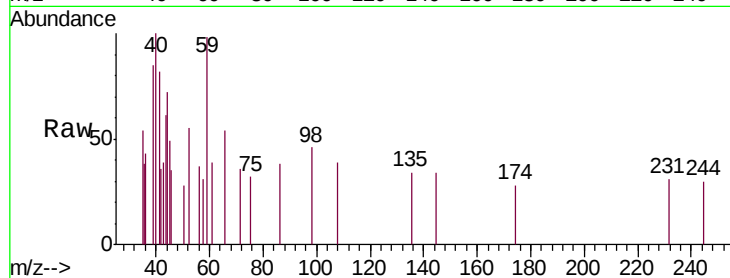




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 546
Delta R.T. -0.01 min
Lab File: VW008176.D
Acq: 11 Jan 2019 05:07

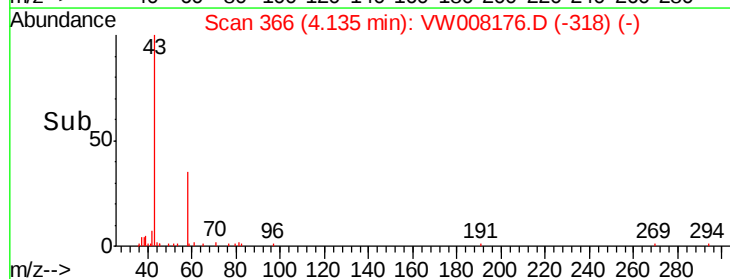
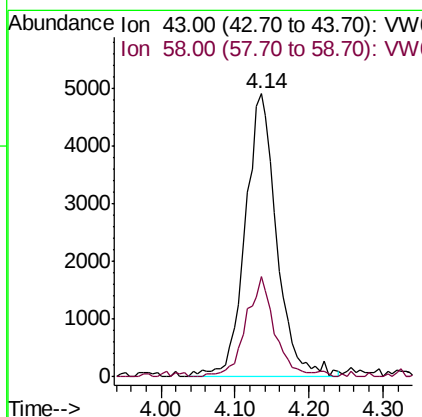
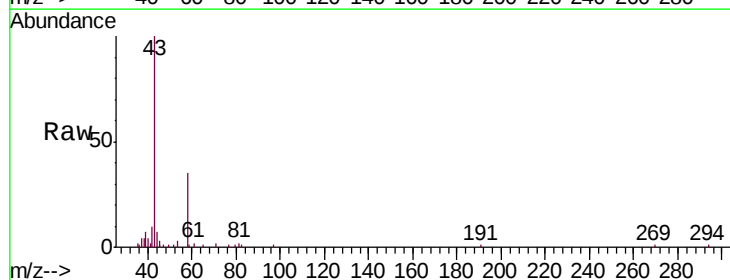
Instrument :
MSVOA_W
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TP-19-20

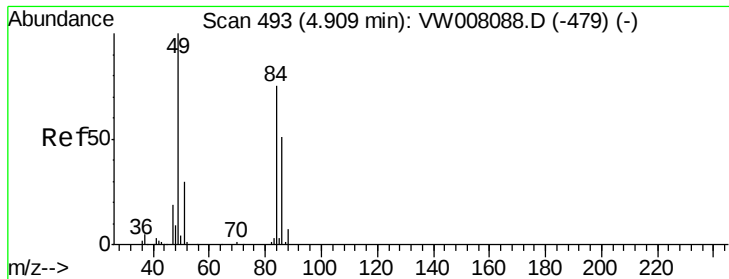
Tgt Ion: 59 Resp: 164
Ion Ratio Lower Upper
59 100
57 45.1 0.0 0.0#



#16
Acetone
Concen: 69.977 ug/l
RT: 4.14 min Scan# 366
Delta R.T. -0.01 min
Lab File: VW008176.D
Acq: 11 Jan 2019 05:07

Tgt Ion: 43 Resp: 14625
Ion Ratio Lower Upper
43 100
58 35.3 27.5 41.3

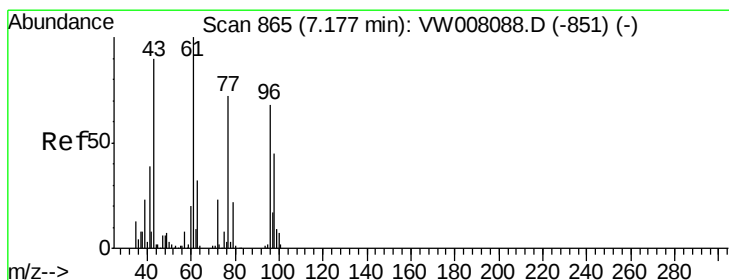
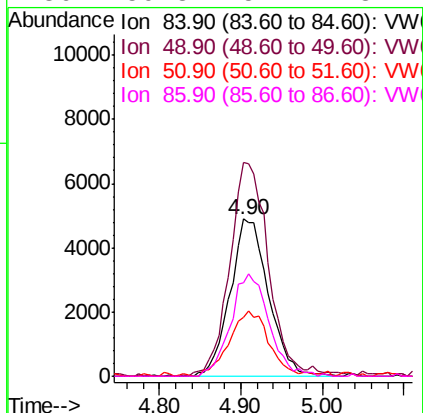
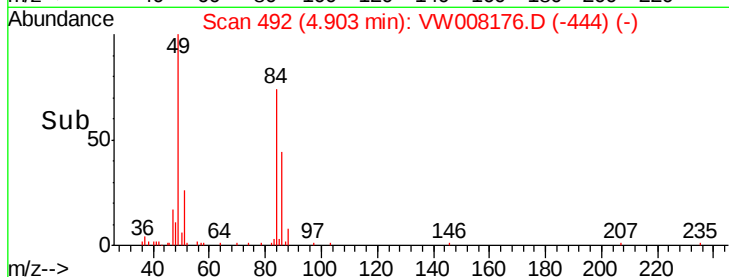
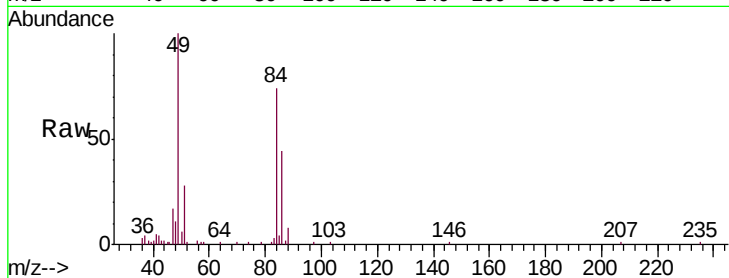




#20
Methylene Chloride
Concen: 13.472 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008176.D
Acq: 11 Jan 2019 05:07

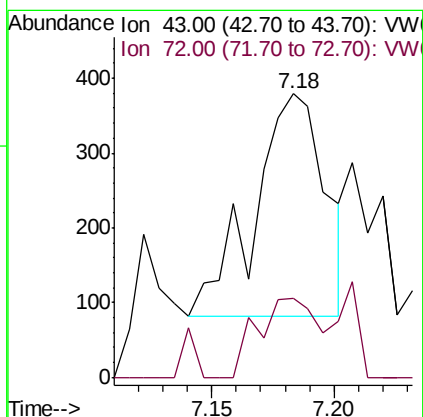
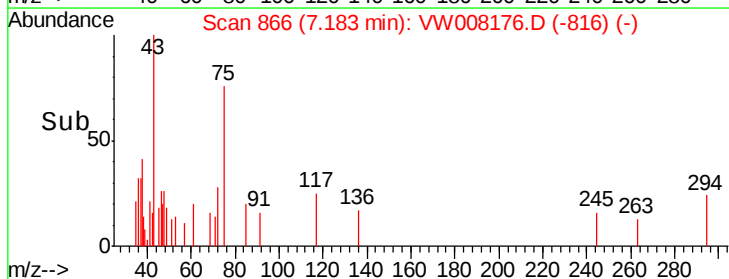
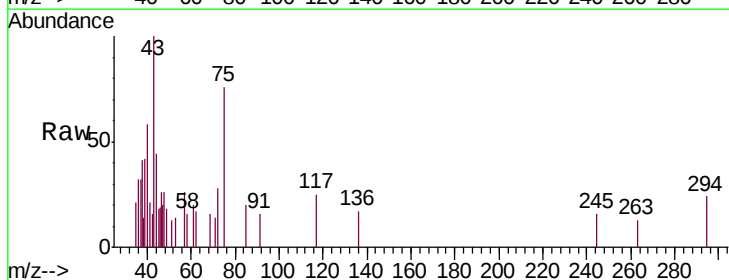
Instrument :
MSVOA_W
ClientSampleId :
TP-19-20

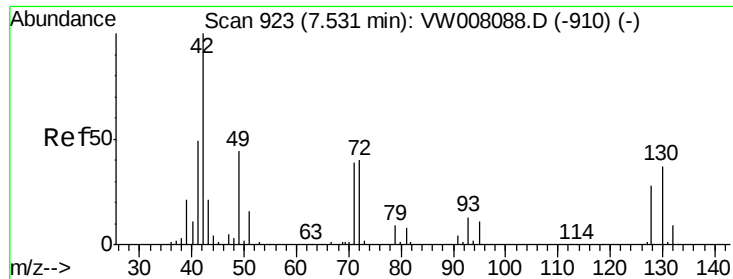
Tgt Ion: 84 Resp: 15968
Ion Ratio Lower Upper
84 100
49 135.7 107.1 160.7
51 36.6 32.4 48.6
86 59.8 54.2 81.4



#25
2-Butanone
Concen: 2.281 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW008176.D
Acq: 11 Jan 2019 05:07

Tgt Ion: 43 Resp: 606
Ion Ratio Lower Upper
43 100
72 13.1 20.5 30.7#





#29

Tetrahydrofuran

Concen: 5.043 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW008176.D

Acq: 11 Jan 2019 05:07

Instrument :

MSVOA_W

ClientSampled :

TP-19-20

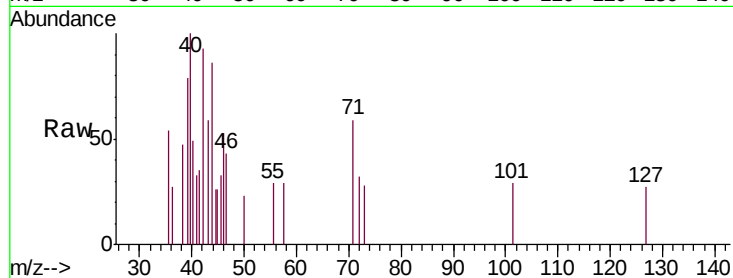
Tgt Ion: 42 Resp: 895

Ion Ratio Lower Upper

42 100

72 16.2 32.4 48.6#

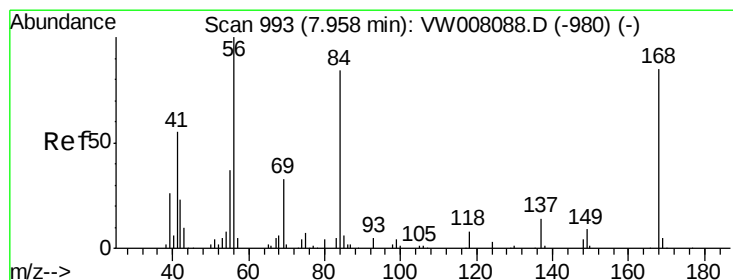
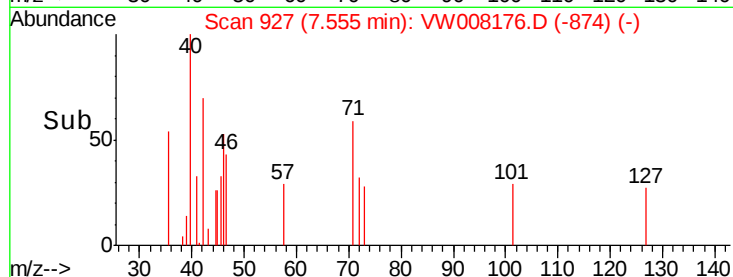
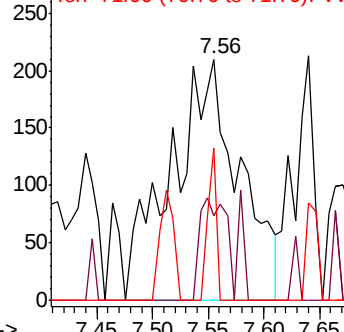
71 8.4 31.3 46.9#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.322 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008176.D

Acq: 11 Jan 2019 05:07

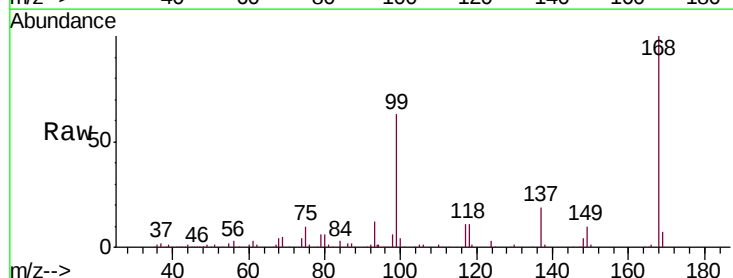
Tgt Ion: 56 Resp: 2656

Ion Ratio Lower Upper

56 100

69 154.6 26.2 39.4#

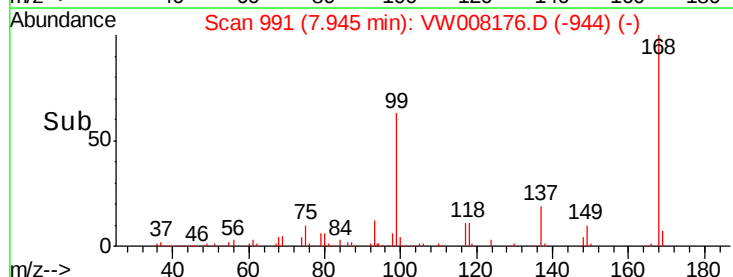
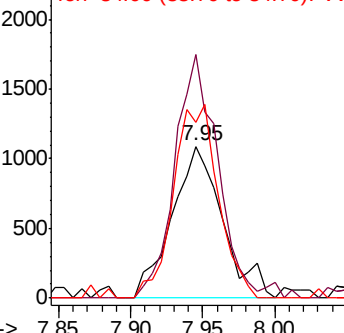
84 115.9 67.4 101.2#

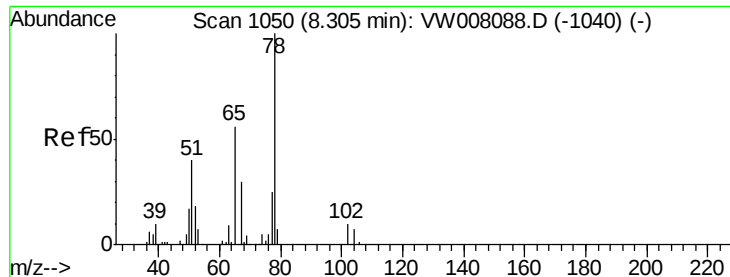


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

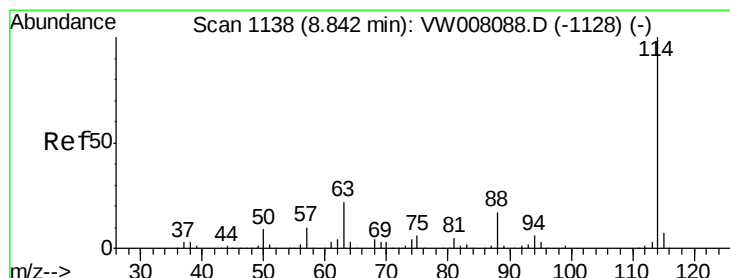
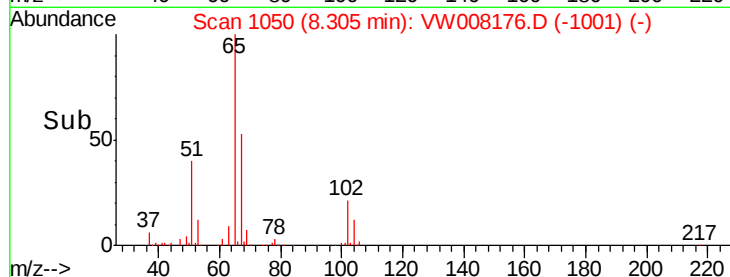
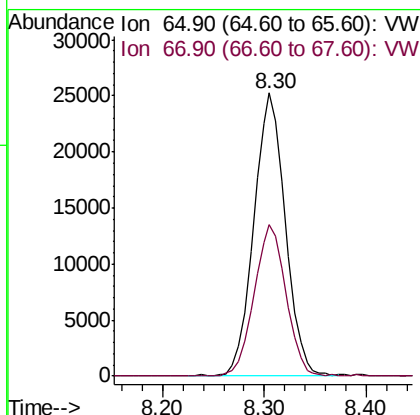
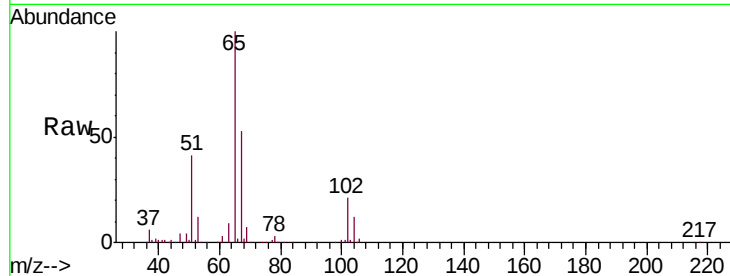




#33
 1,2-Dichloroethane-d4
 Concen: 56.837 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008176.D
 Acq: 11 Jan 2019 05:07

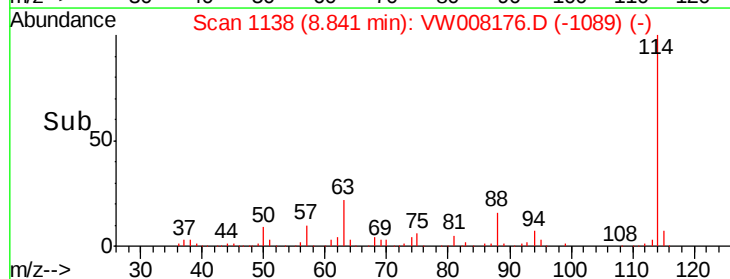
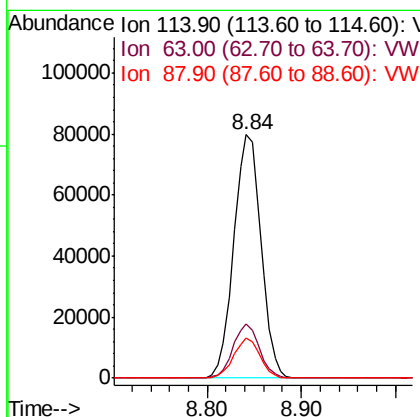
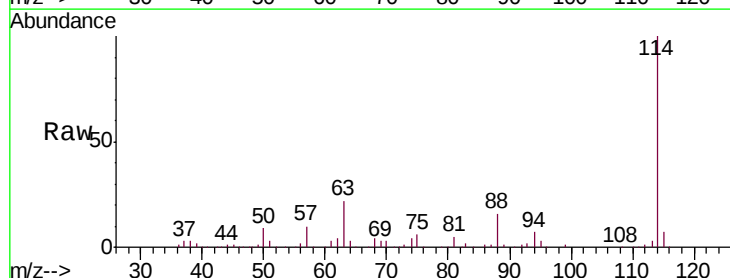
Instrument :
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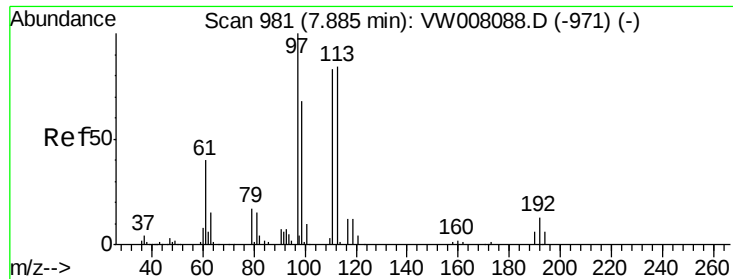
Tgt Ion: 65 Resp: 54273
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008176.D
 Acq: 11 Jan 2019 05:07

Tgt Ion: 114 Resp: 159691
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.4
 88 16.3 0.0 33.4

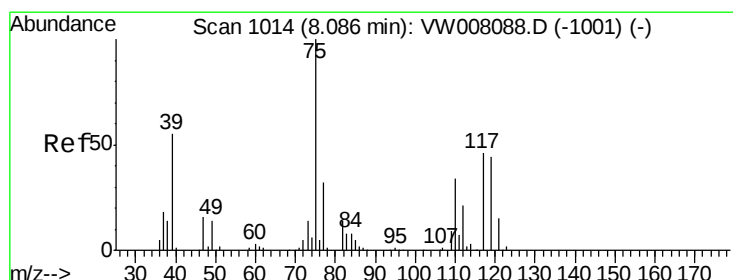
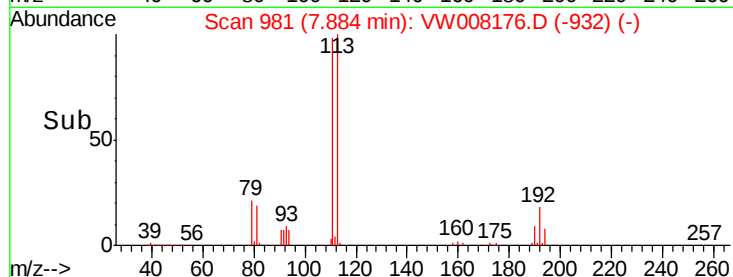
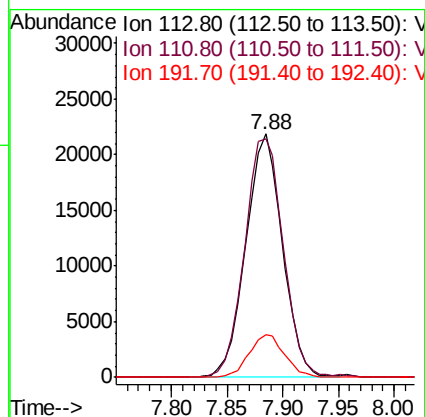
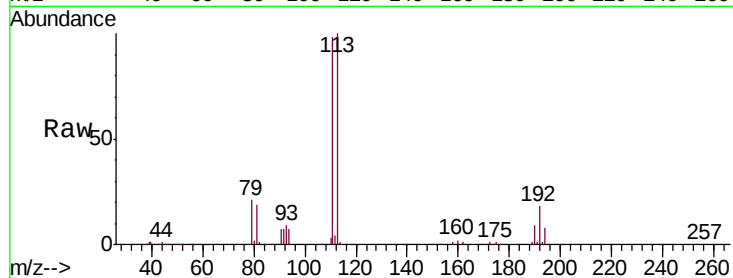




#35
 Dibromofluoromethane
 Concen: 53.744 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008176.D
 Acq: 11 Jan 2019 05:07

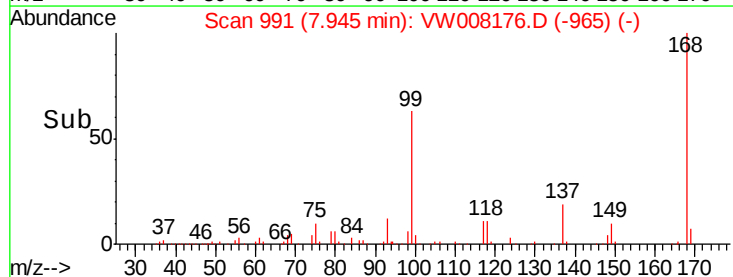
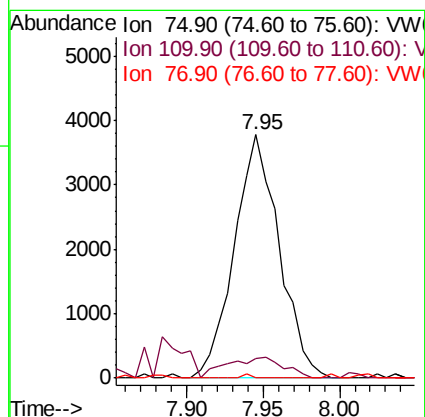
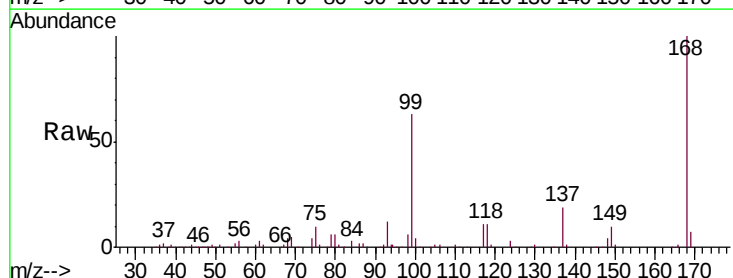
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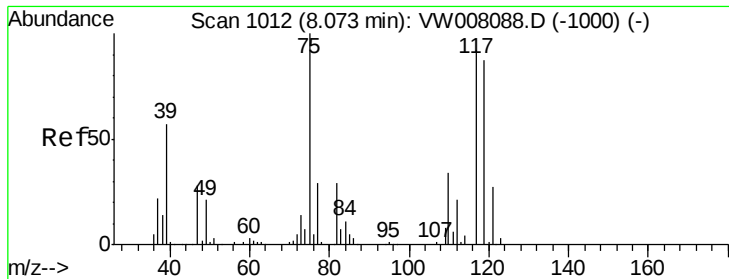
Tgt Ion:113 Resp: 50056
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.8 122.8
 192 17.1 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.679 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008176.D
 Acq: 11 Jan 2019 05:07

Tgt Ion: 75 Resp: 7697
 Ion Ratio Lower Upper
 75 100
 110 10.1 17.1 51.3#
 77 0.0 25.5 38.3#

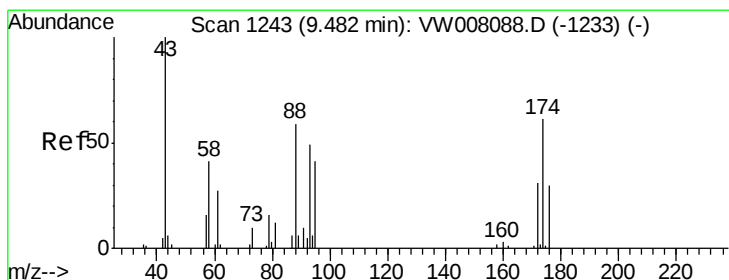
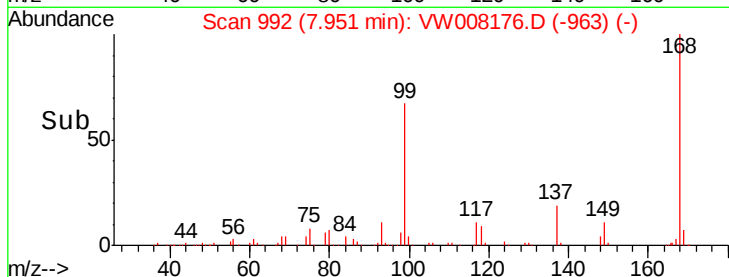
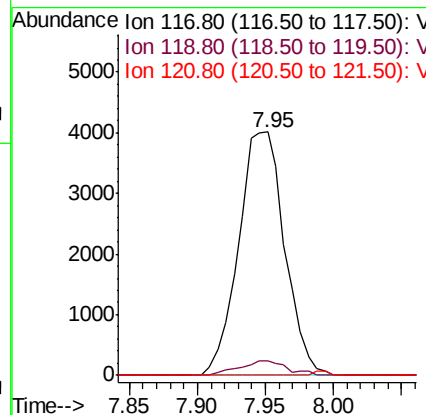
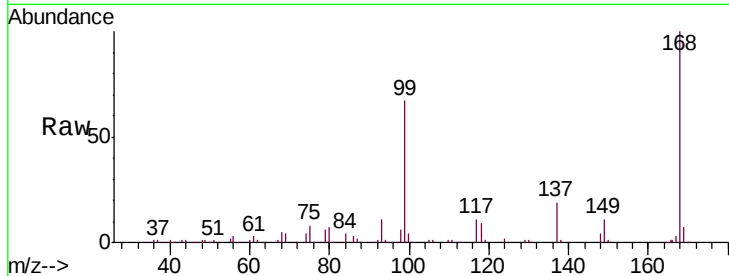




#38
Carbon Tetrachloride
Concen: 6.291 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW008176.D
Acq: 11 Jan 2019 05:07

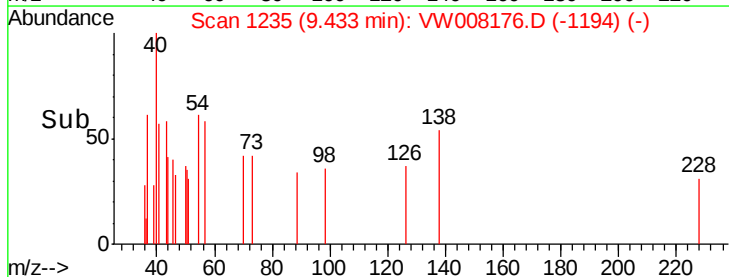
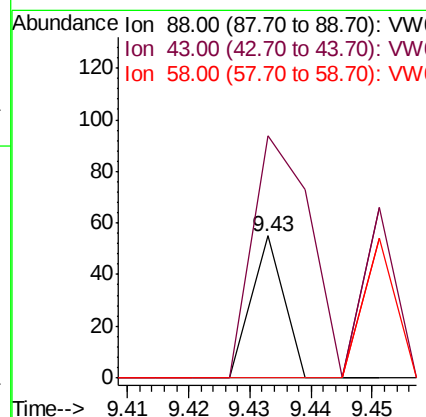
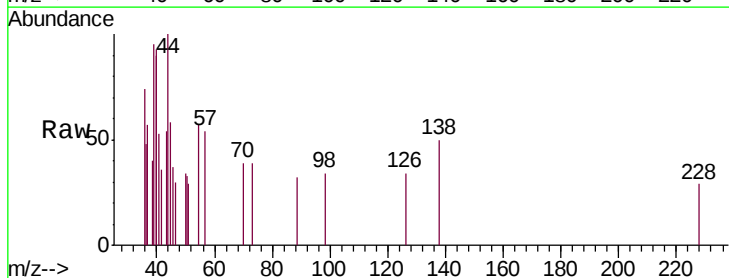
Instrument :
MSVOA_W
ClientSampled :
TP-19-20

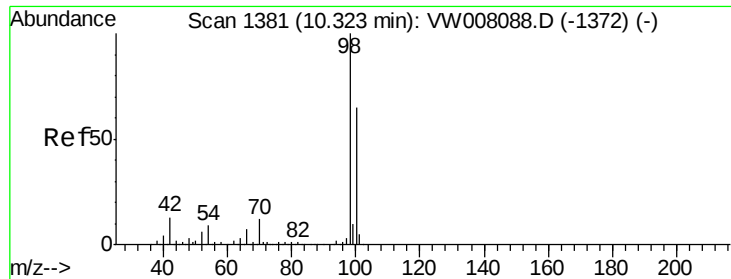
Tgt Ion: 117 Resp: 9472
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.8#
121 0.0 23.7 35.5#



#49
1,4-Dioxane
Concen: 2.289 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.05 min
Lab File: VW008176.D
Acq: 11 Jan 2019 05:07

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 425.0 0.0 0.0#
58 100.0 61.7 92.5#

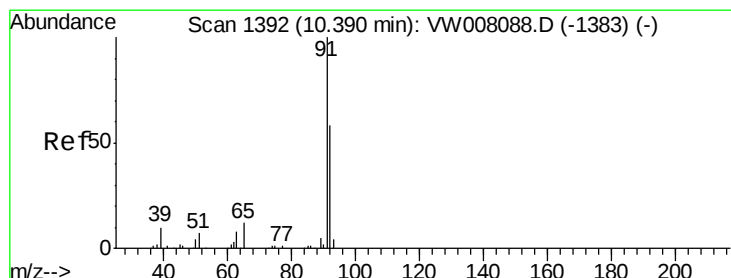
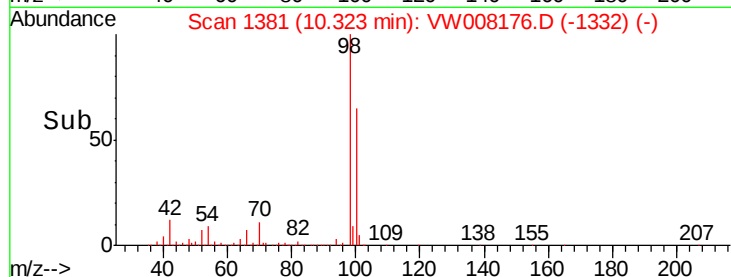
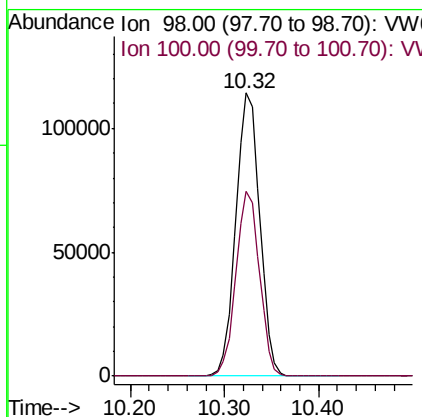
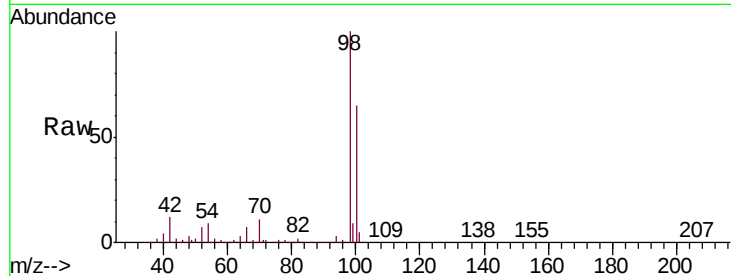




#50
Toluene-d8
Concen: 51.687 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008176.D
Acq: 11 Jan 2019 05:07

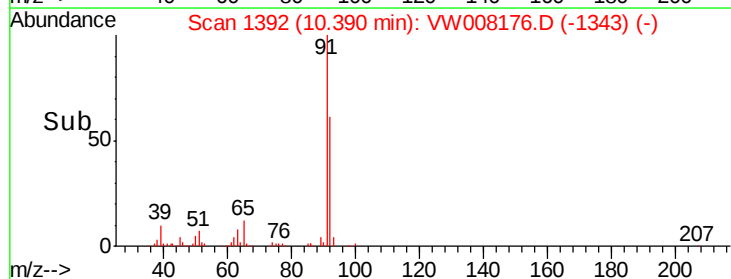
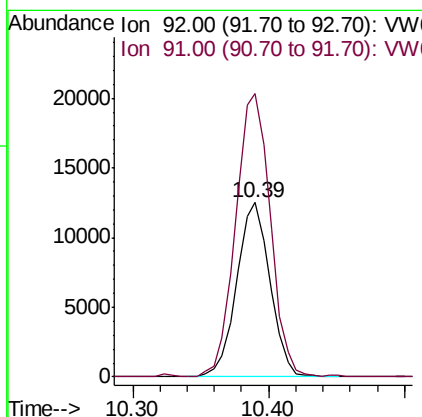
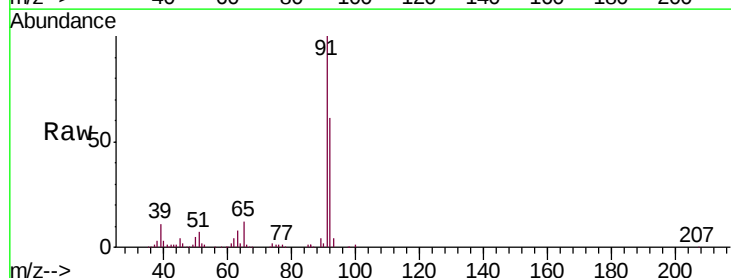
Instrument :
MSVOA_W
ClientSampled :
TP-19-20

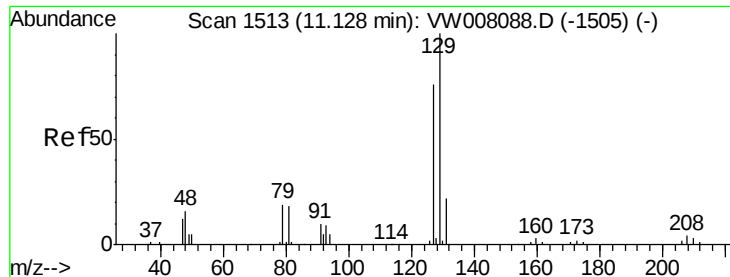
Tgt Ion: 98 Resp: 202016
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



#52
Toluene
Concen: 7.495 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW008176.D
Acq: 11 Jan 2019 05:07

Tgt Ion: 92 Resp: 21356
Ion Ratio Lower Upper
92 100
91 170.0 137.0 205.4

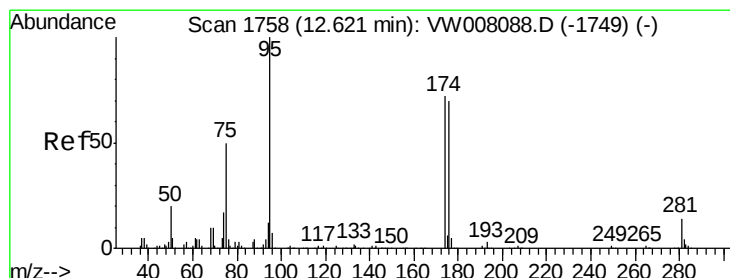
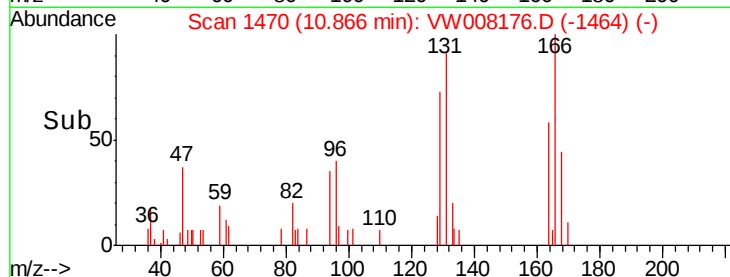
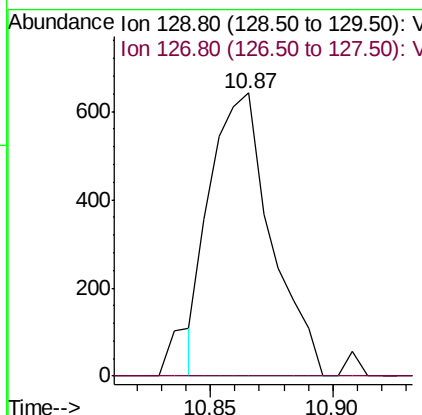
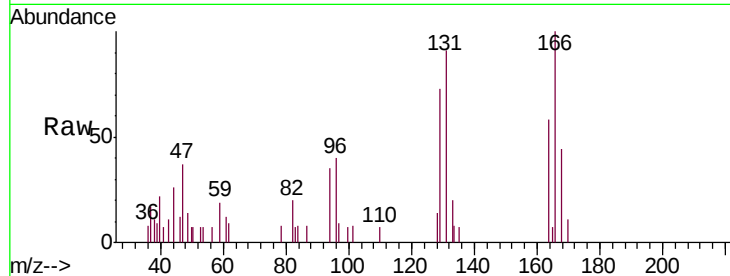




#60
 Dibromochloromethane
 Concen: 1.329 ug/l
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.26 min
 Lab File: VW008176.D
 Acq: 11 Jan 2019 05:07

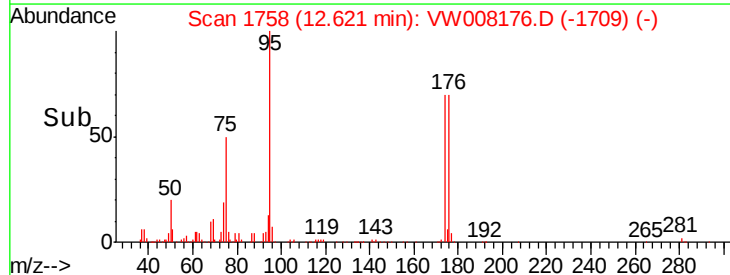
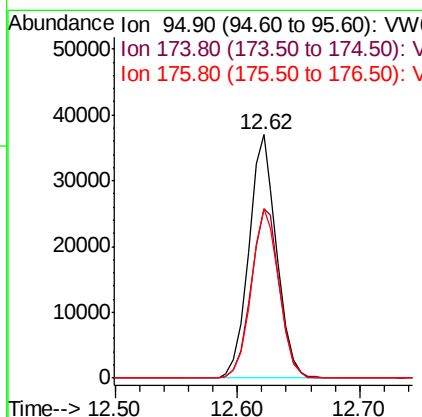
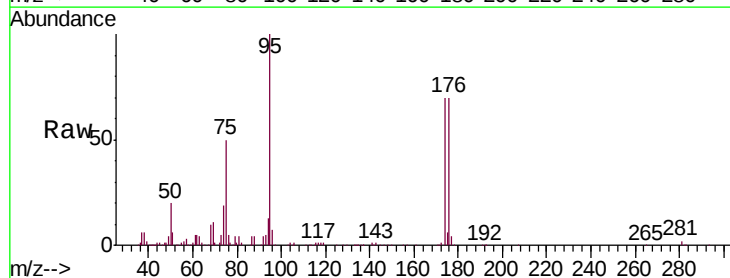
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-19-20

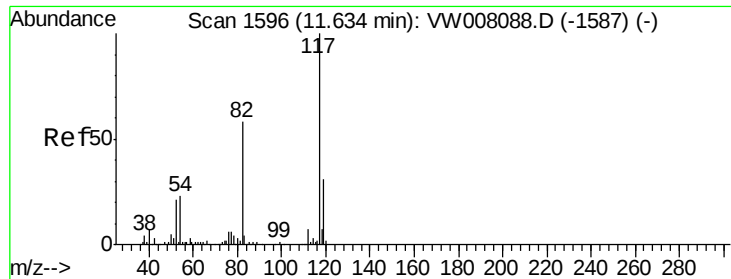
Tgt Ion: 129 Resp: 1113
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.6#



#62
 4-Bromofluorobenzene
 Concen: 41.349 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008176.D
 Acq: 11 Jan 2019 05:07

Tgt Ion: 95 Resp: 57937
 Ion Ratio Lower Upper
 95 100
 174 72.1 0.0 143.0
 176 69.8 0.0 140.2

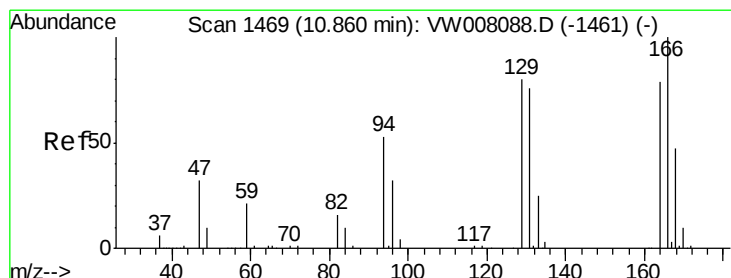
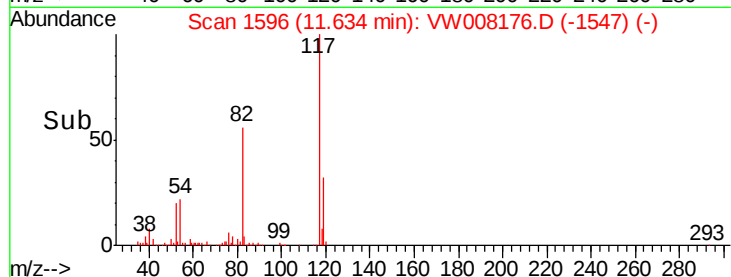
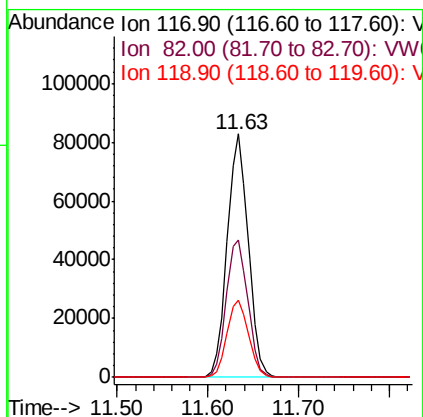
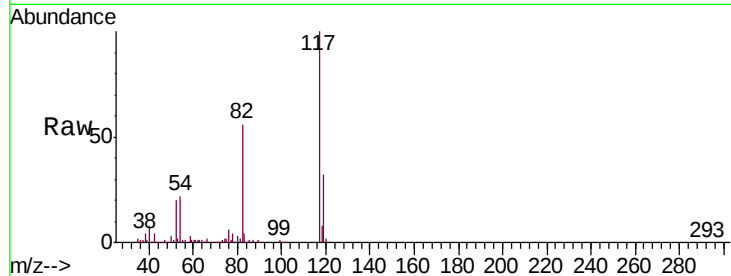




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008176.D
Acq: 11 Jan 2019 05:07

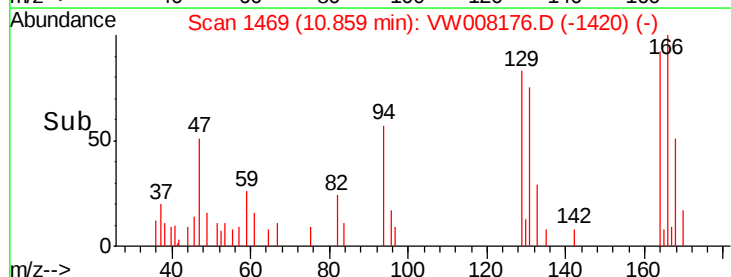
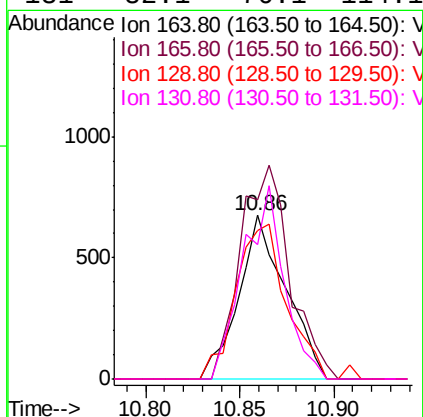
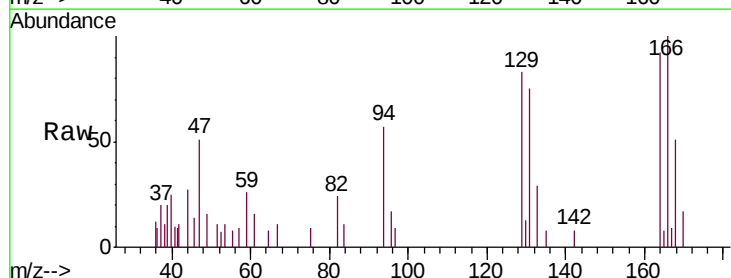
Instrument :
MSVOA_W
ClientSampled :
TP-19-20

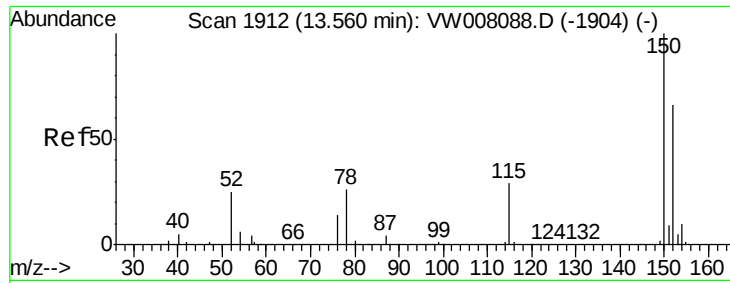
Tgt Ion:117 Resp: 133611
Ion Ratio Lower Upper
117 100
82 56.3 46.4 69.6
119 32.0 24.7 37.1



#64
Tetrachloroethene
Concen: 1.351 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008176.D
Acq: 11 Jan 2019 05:07

Tgt Ion:164 Resp: 1175
Ion Ratio Lower Upper
164 100
166 109.2 100.7 151.1
129 90.5 81.0 121.4
131 82.1 76.1 114.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008176.D

Acq: 11 Jan 2019 05:07

Instrument :

MSVOA_W

ClientSampleId :

TP-19-20

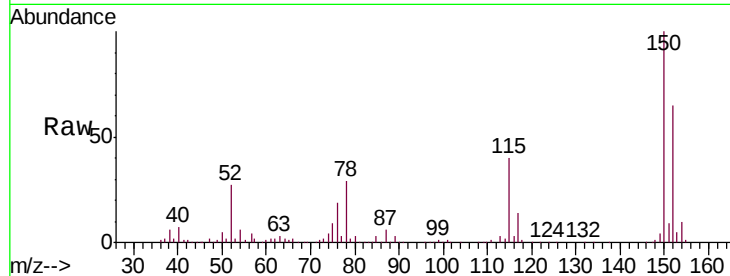
Tgt Ion:152 Resp: 50292

Ion Ratio Lower Upper

152 100

115 62.1 30.8 92.4

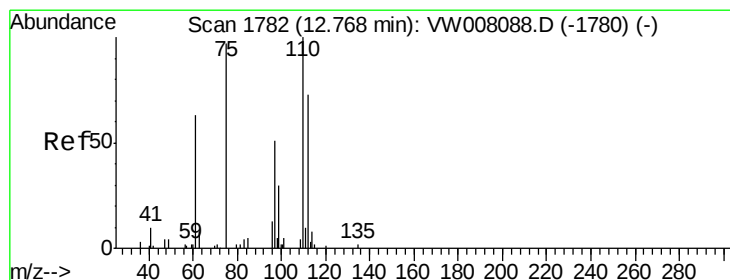
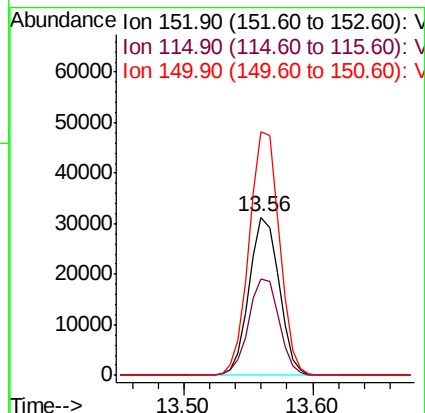
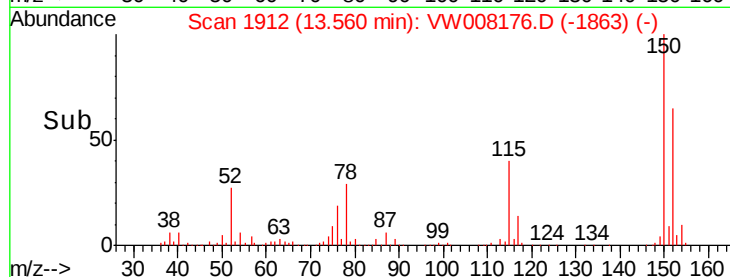
150 154.7 0.0 350.2



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: 64.288 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008176.D

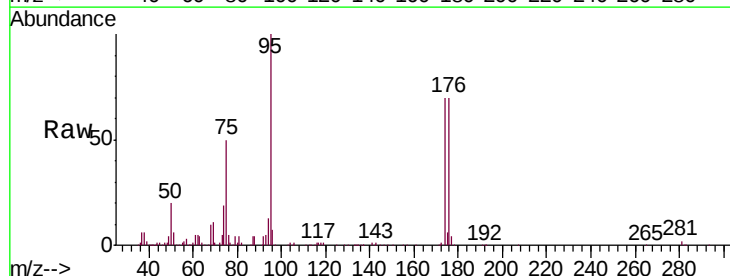
Acq: 11 Jan 2019 05:07

Tgt Ion: 75 Resp: 29474

Ion Ratio Lower Upper

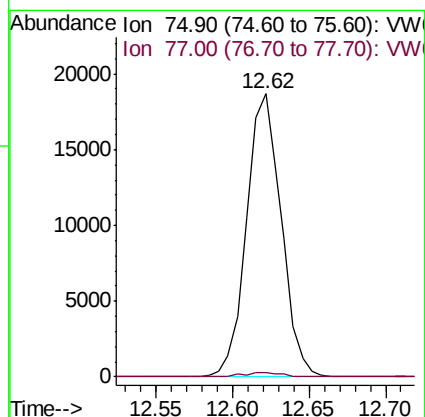
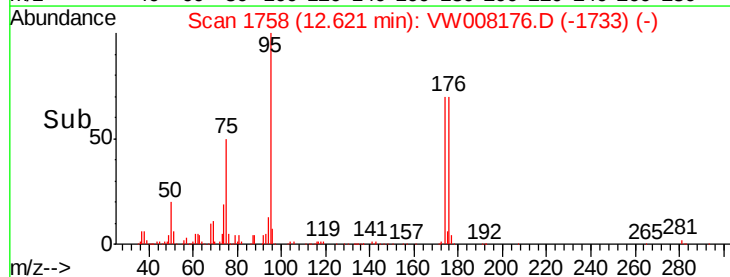
75 100

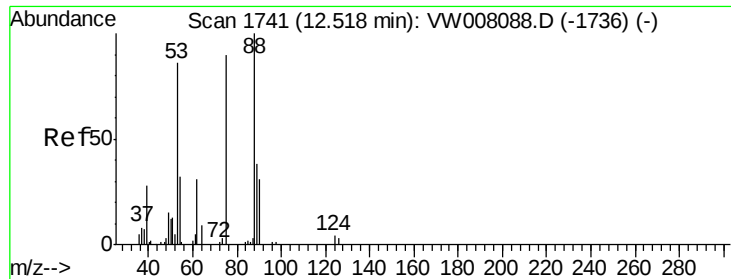
77 1.6 179.4 538.2#



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: 149.708 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008176.D

Acq: 11 Jan 2019 05:07

Instrument :

MSVOA_W

ClientSampleId :

TP-19-20

Tgt Ion: 75 Resp: 29474

Ion Ratio Lower Upper

75 100

53 0.5 78.8 118.2#

89 0.0 35.4 53.2#

