

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW008996.D
 Acq On : 05 Mar 2019 15:01
 Operator : SY/VA
 Sample : K1655-10
 Misc : 6.68G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 06 06:49:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	265324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	411441	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	367783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174713	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	163879	65.85	ug/l	0.00
Spiked Amount			Recovery	=	131.70%	
35) Dibromofluoromethane	7.88	113	126067	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
50) Toluene-d8	10.32	98	491760	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.62	95	171239	45.86	ug/l	0.00
Spiked Amount			Recovery	=	91.72%	

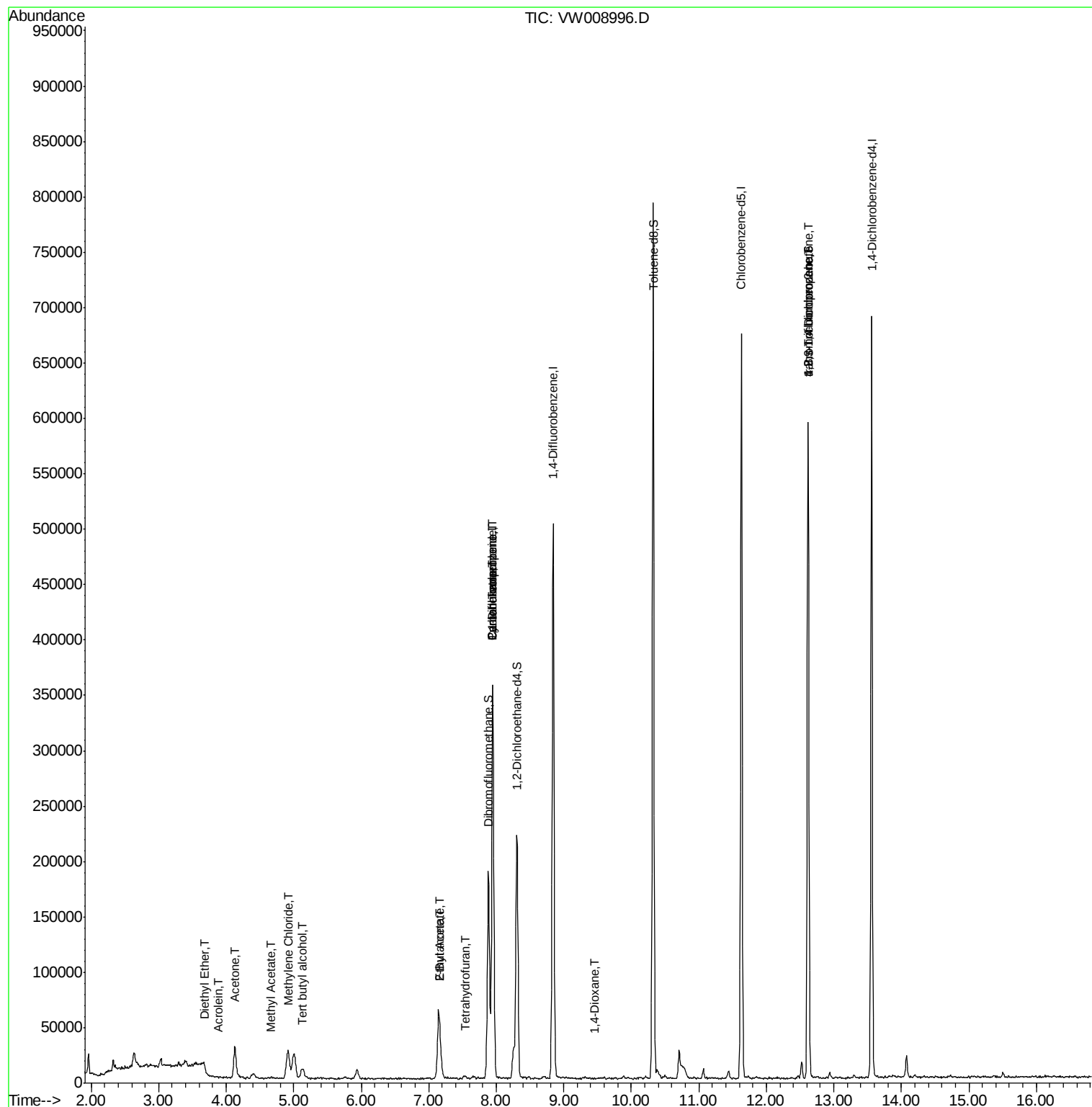
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1813	1.322	ug/l #	11
11) Tert butyl alcohol	5.12	59	8404	37.934	ug/l #	72
13) Acrolein	3.89	56	116	20.237	ug/l #	14
16) Acetone	4.13	43	50463	87.486	ug/l	94
18) Methyl Acetate	4.67	43	2063	1.508	ug/l #	72
20) Methylene Chloride	4.92	84	19454	1.935	ug/l	94
25) 2-Butanone	7.17	43	16638	20.632	ug/l #	83
29) Tetrahydrofuran	7.54	42	2131	4.147	ug/l #	83
31) Cyclohexane	7.95	56	6570	1.400	ug/l #	36
36) 1,1-Dichloropropene	7.95	75	21317	5.322	ug/l #	51
37) Ethyl Acetate	7.17	43	16638	8.933	ug/l #	71
38) Carbon Tetrachloride	7.95	117	25670	6.077	ug/l #	17
49) 1,4-Dioxane	9.46	88	63	2.617	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	89665	62.160	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	89665	151.116	ug/l #	6

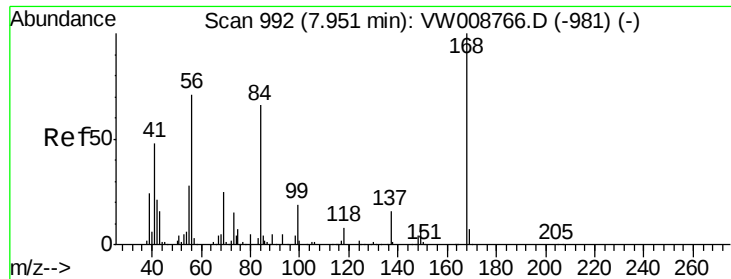
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW030519\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
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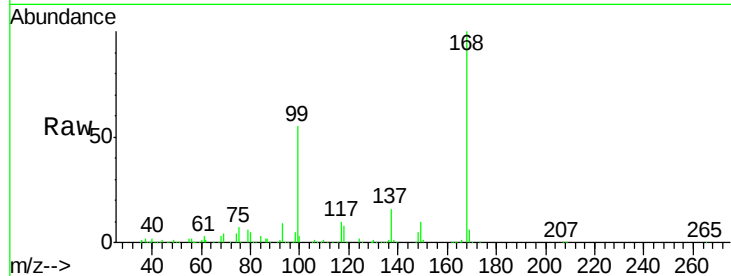


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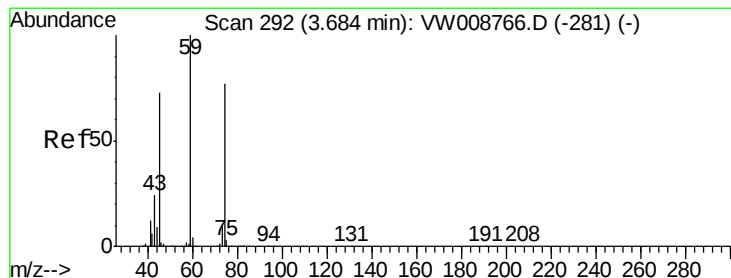
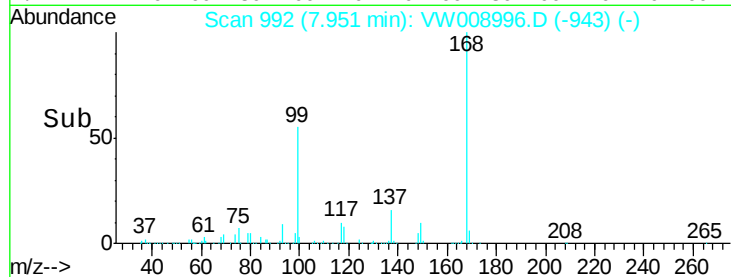
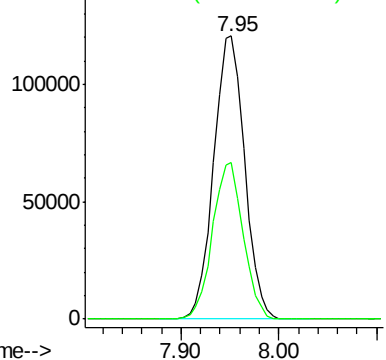
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VW008996.D
 Acq: 05 Mar 2019 15:01

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:168 Resp: 265324
 Ion Ratio Lower Upper
 168 100
 99 55.5 42.2 63.2



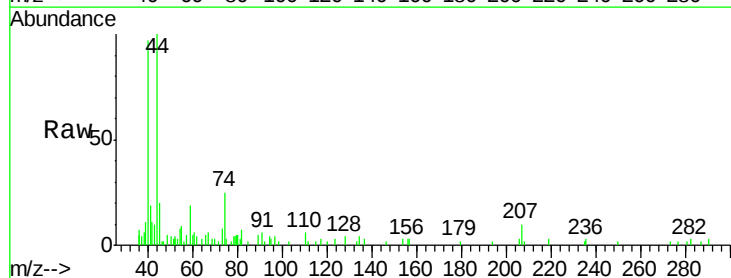
Abundance Ion 167.90 (167.60 to 168.60): V



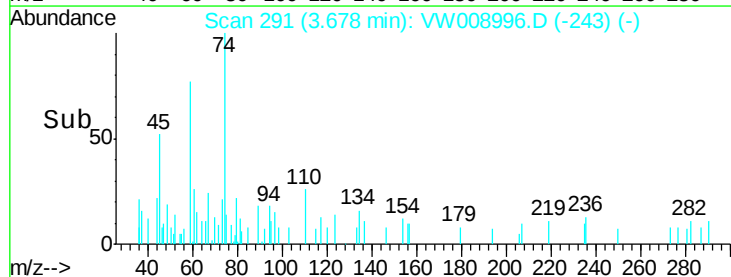
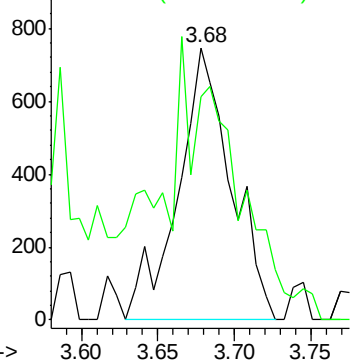
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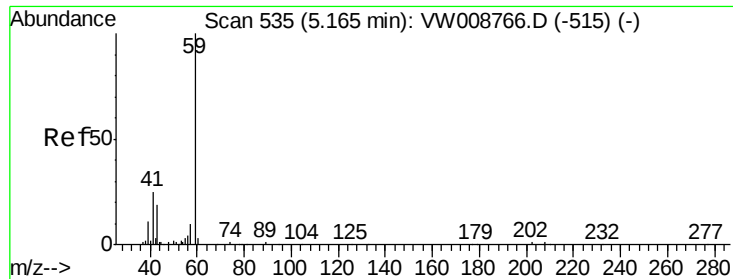
Diethyl Ether
 Concen: 1.322 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW008996.D
 Acq: 05 Mar 2019 15:01

Tgt Ion: 74 Resp: 1813
 Ion Ratio Lower Upper
 74 100
 45 10.9 50.2 150.6#



Abundance Ion 74.00 (73.70 to 74.70): VW

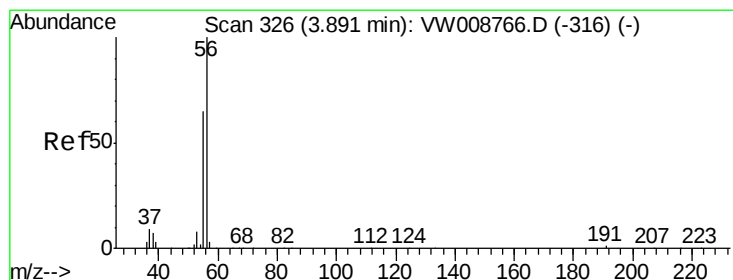
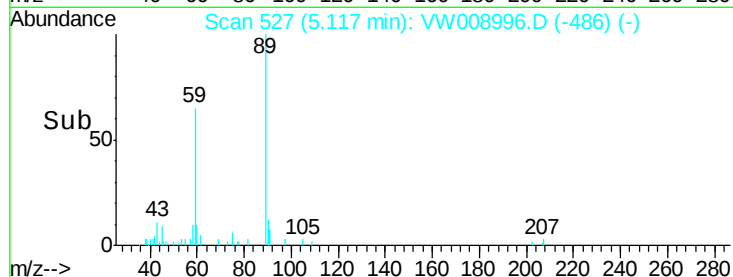
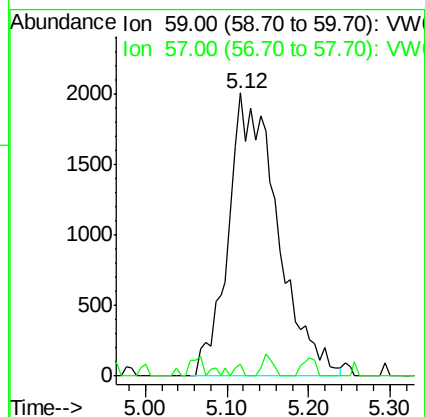
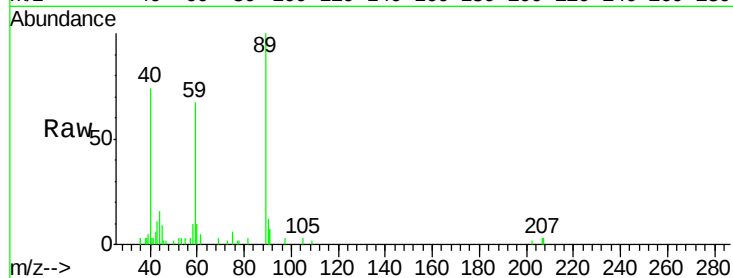




#11
Tert butyl alcohol
Concen: 37.934 ug/l
RT: 5.12 min Scan# 527
Delta R.T. -0.05 min
Lab File: VW008996.D
Acq: 05 Mar 2019 15:01

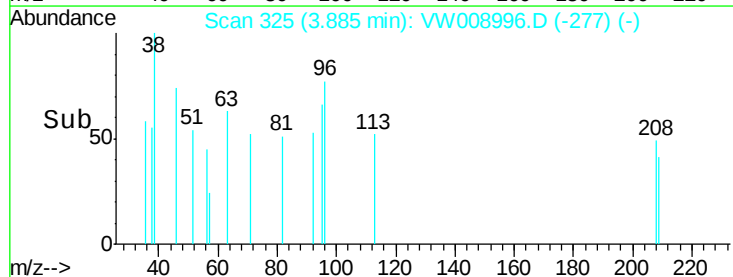
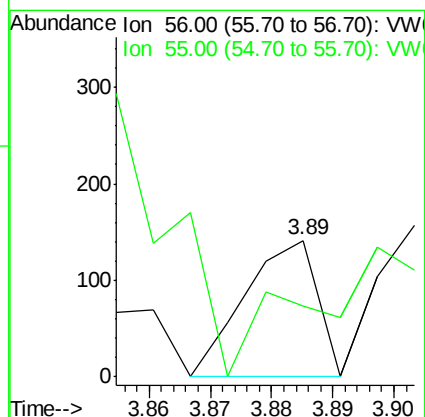
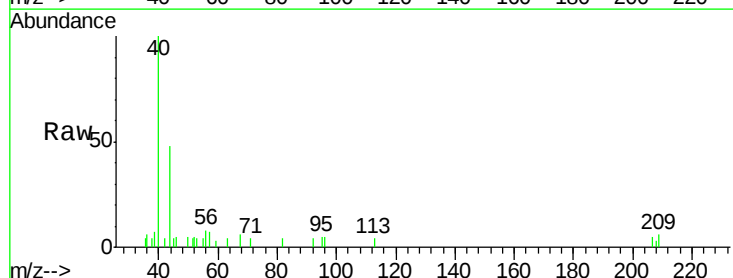
Instrument :
MSVOA_W
ClientSampled :

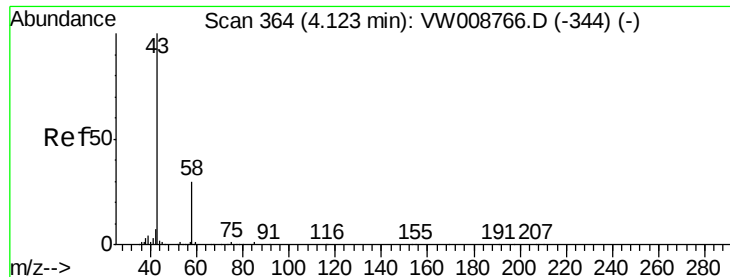
Tot Ion: 59 Resp: 8404
Ion Ratio Lower Upper
59 100
57 0.9 9.3 13.9#



#13
Acrolein
Concen: 20.237 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW008996.D
Acq: 05 Mar 2019 15:01

Tgt Ion: 56 Resp: 116
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#

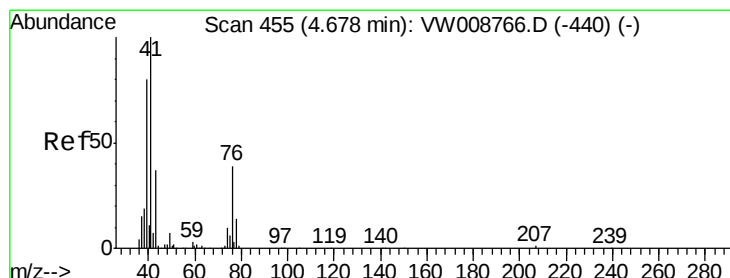
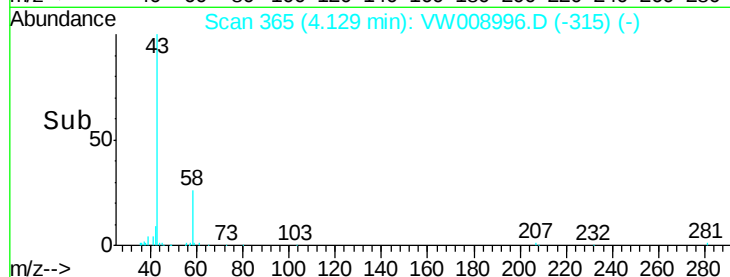
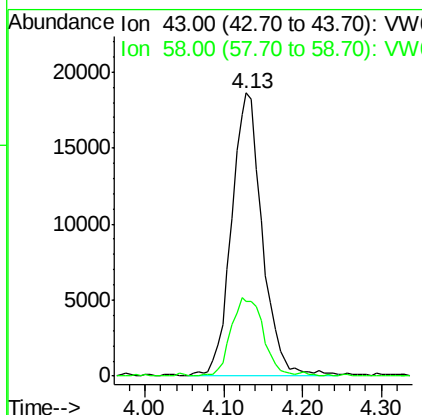
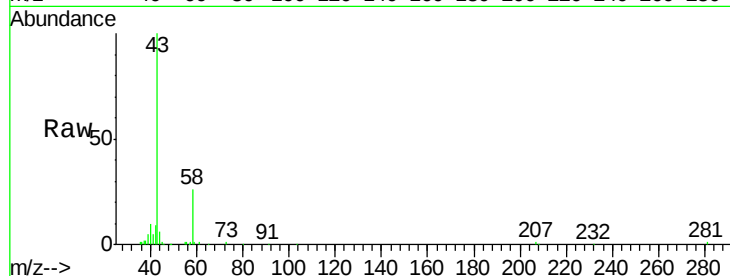




#16
Acetone
Concen: 87.486 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW008996.D
Acq: 05 Mar 2019 15:01

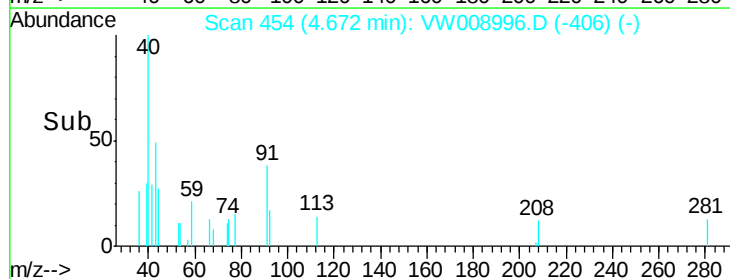
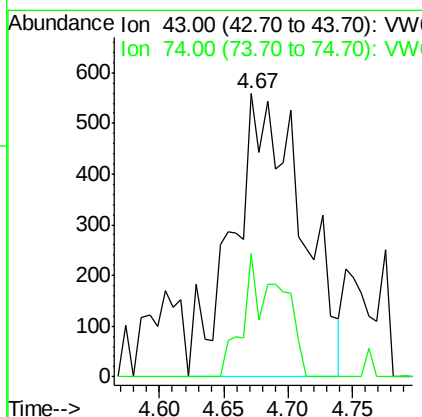
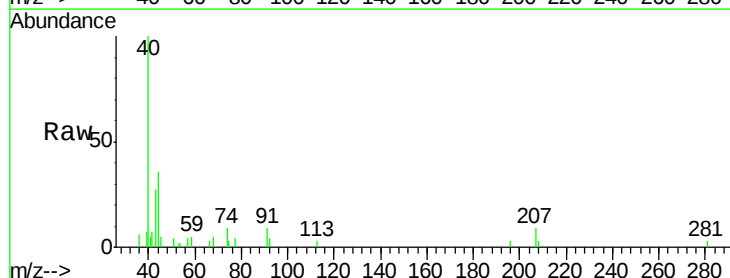
Instrument :
MSVOA_W
ClientSampleId :

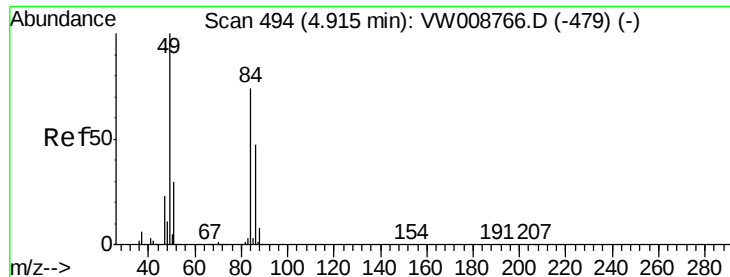
Tot Ion: 43 Resp: 50463
Ion Ratio Lower Upper
43 100
58 26.3 23.8 35.6



#18
Methyl Acetate
Concen: 1.508 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW008996.D
Acq: 05 Mar 2019 15:01

Tgt Ion: 43 Resp: 2063
Ion Ratio Lower Upper
43 100
74 10.3 19.4 29.2#

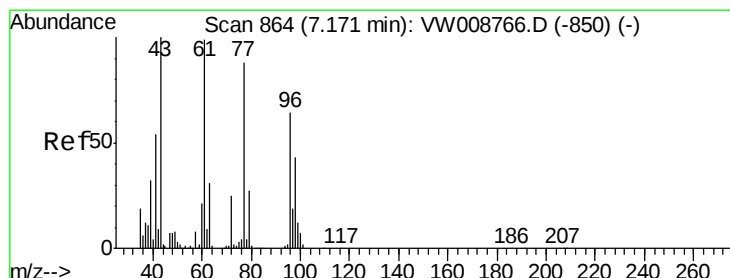
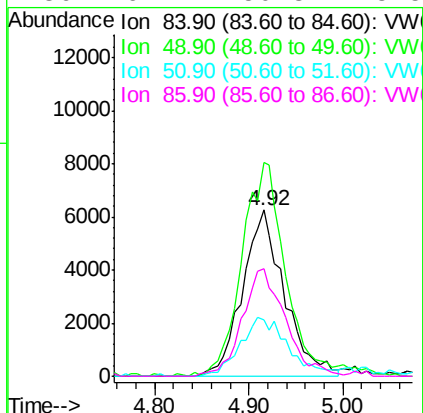
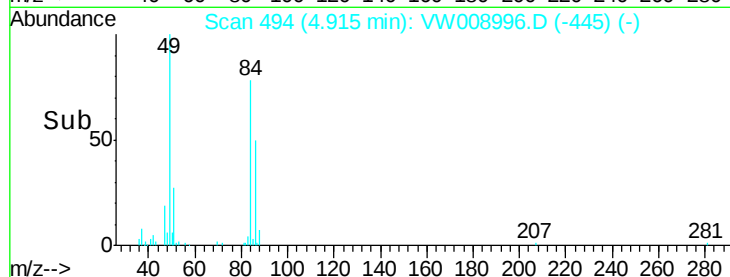
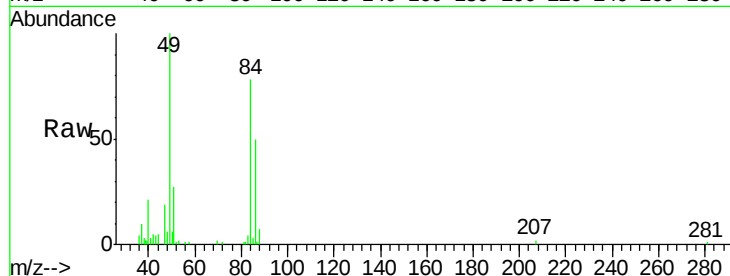




#20
Methvlene Chloride
Concen: 1.935 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008996.D
Acq: 05 Mar 2019 15:01

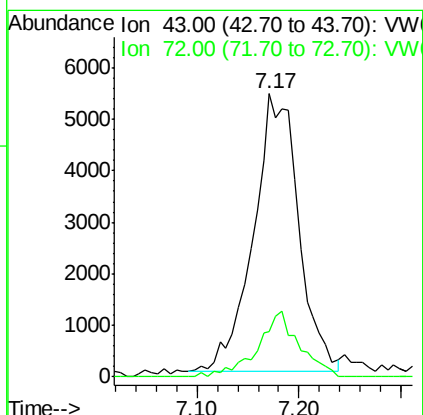
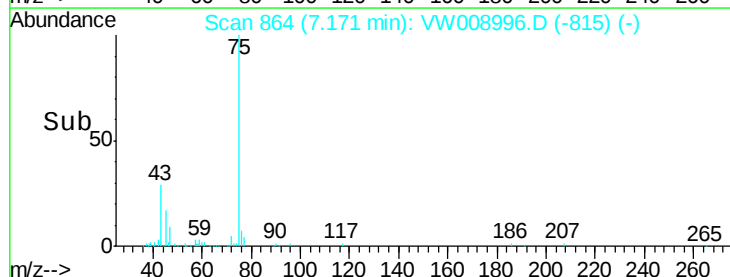
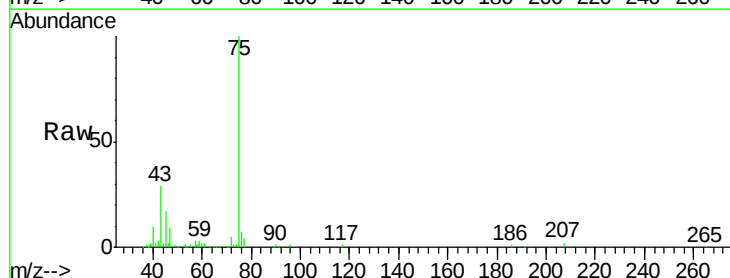
Instrument :
MSVOA_W
ClientSampled :

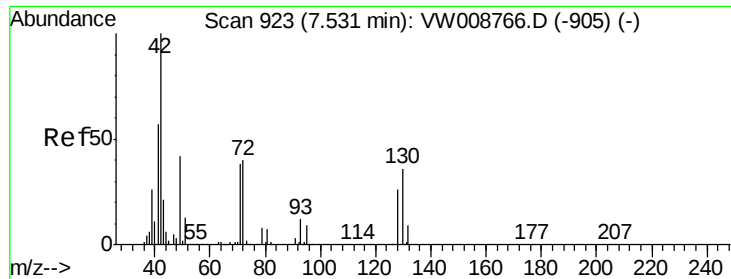
Tot Ion: 84 Resp: 19454
Ion Ratio Lower Upper
84 100
49 128.5 108.2 162.2
51 34.2 32.7 49.1
86 64.4 50.3 75.5



#25
2-Butanone
Concen: 20.632 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008996.D
Acq: 05 Mar 2019 15:01

Tgt Ion: 43 Resp: 16638
Ion Ratio Lower Upper
43 100
72 16.1 19.7 29.5#

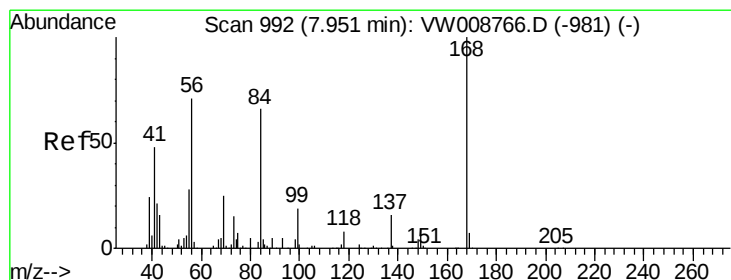
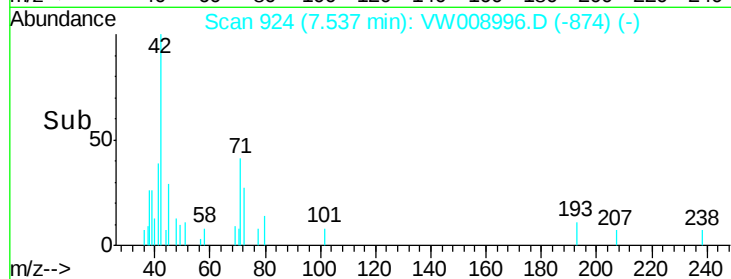
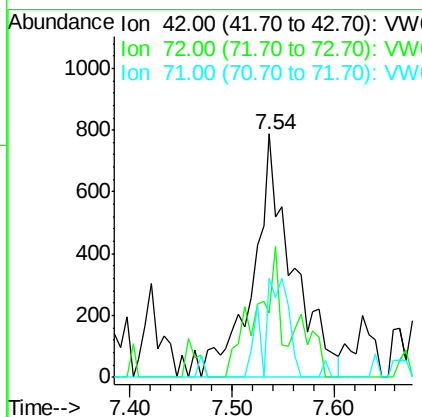
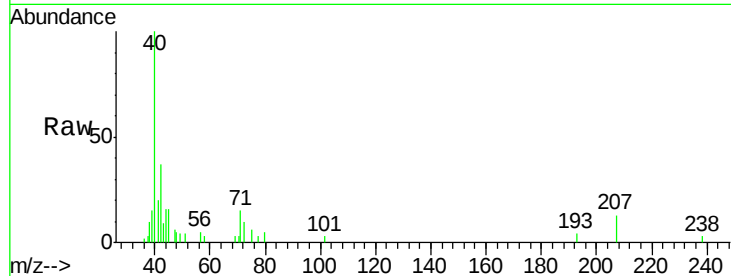




#29
Tetrahydrofuran
Concen: 4.147 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008996.D
Acq: 05 Mar 2019 15:01

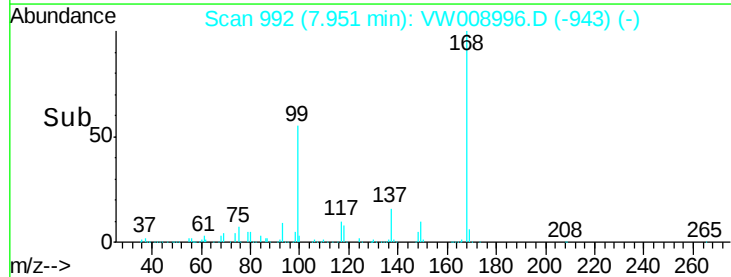
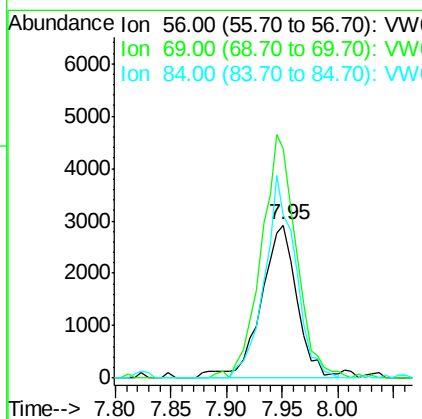
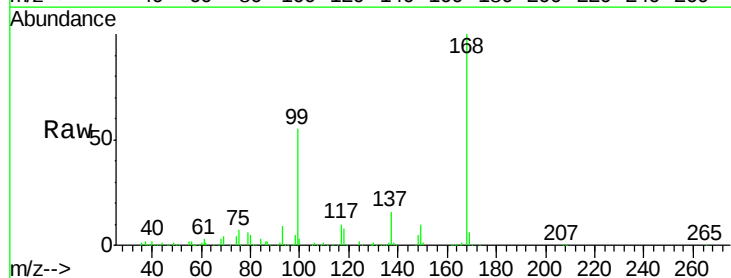
Instrument :
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ClientSampleId :

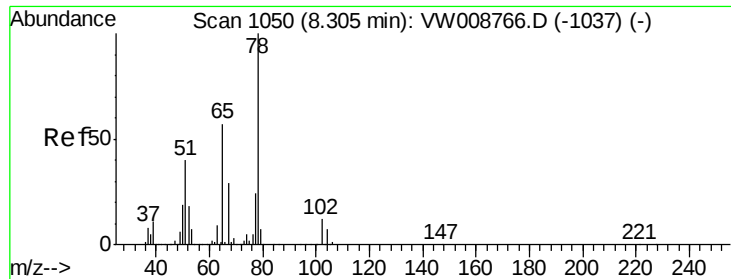
Tot Ion: 42 Resp: 2131
Ion Ratio Lower Upper
42 100
72 32.3 32.7 49.1#
71 26.2 31.3 46.9#



#31
Cyclohexane
Concen: 1.400 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008996.D
Acq: 05 Mar 2019 15:01

Tgt Ion: 56 Resp: 6570
Ion Ratio Lower Upper
56 100
69 149.9 28.2 42.4#
84 106.0 74.1 111.1

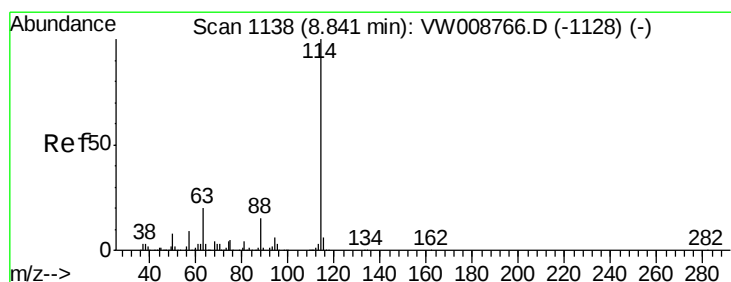
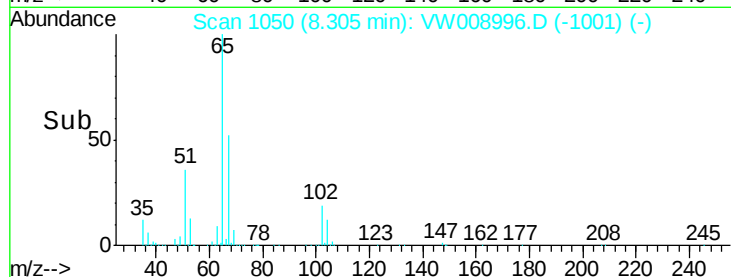
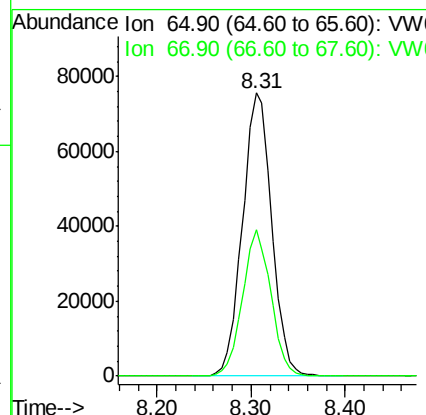
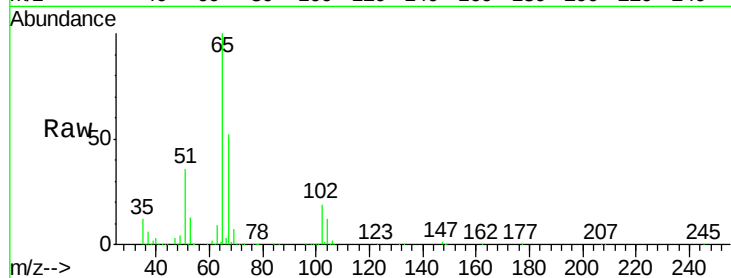




#33
 1,2-Dichloroethane-d4
 Concen: 65.854 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008996.D
 Acq: 05 Mar 2019 15:01

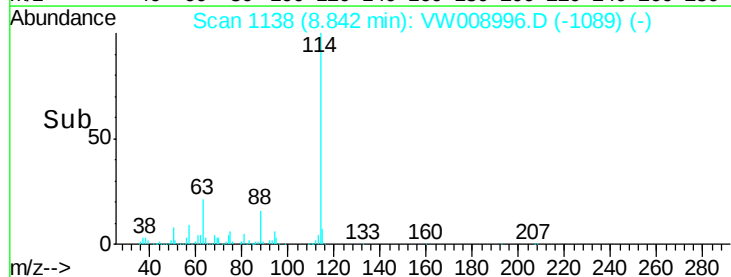
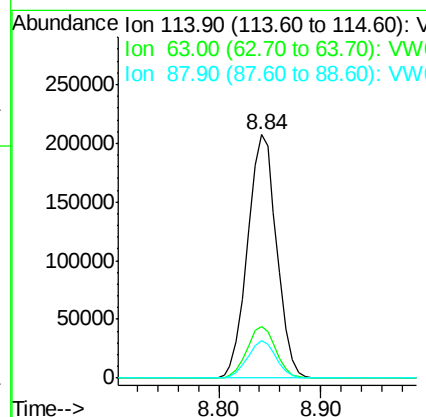
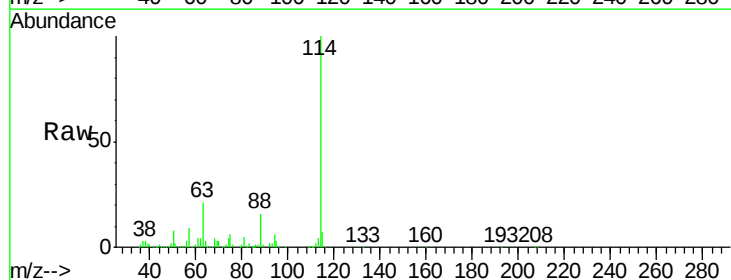
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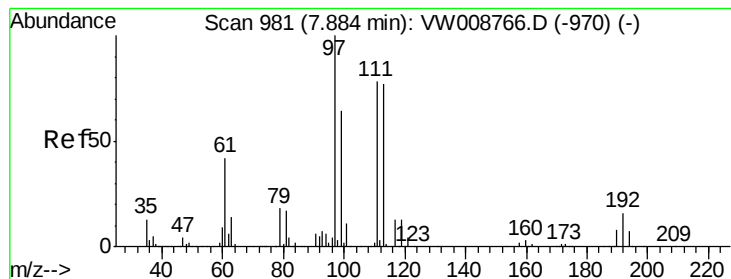
Tot Ion: 65 Resp: 163879
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008996.D
 Acq: 05 Mar 2019 15:01

Tgt Ion: 114 Resp: 411441
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.8
 88 15.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.032 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008996.D

Acq: 05 Mar 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :

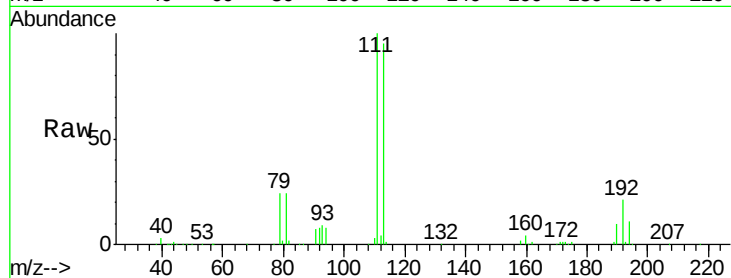
Tot Ion:113 Resp: 126067

Ion Ratio Lower Upper

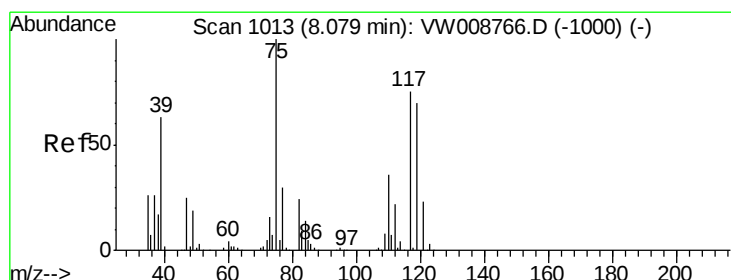
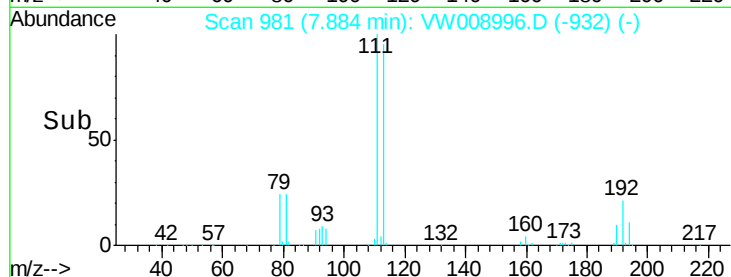
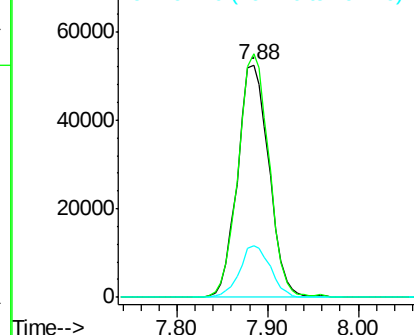
113 100

111 102.4 81.9 122.9

192 21.7 17.1 25.7



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: 5.322 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008996.D

Acq: 05 Mar 2019 15:01

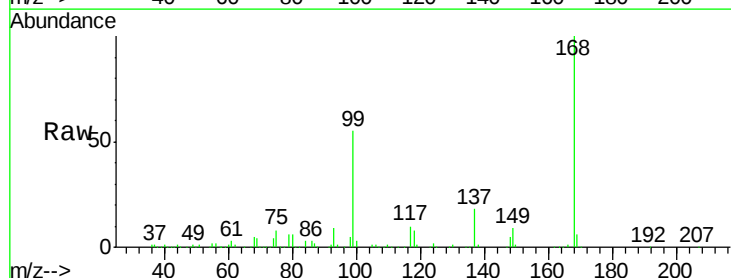
Tgt Ion: 75 Resp: 21317

Ion Ratio Lower Upper

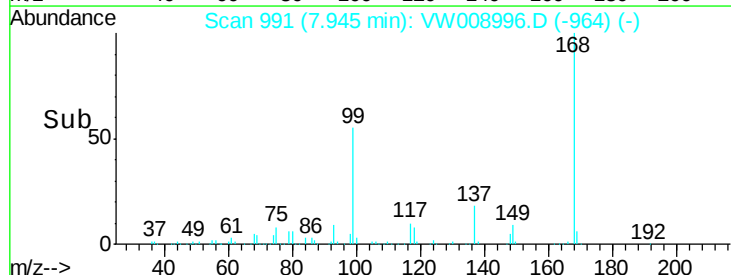
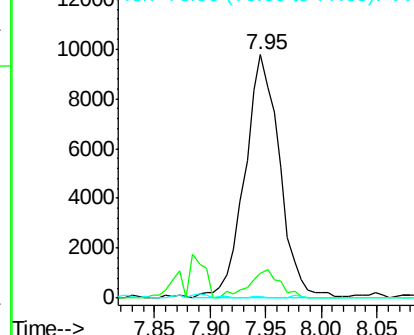
75 100

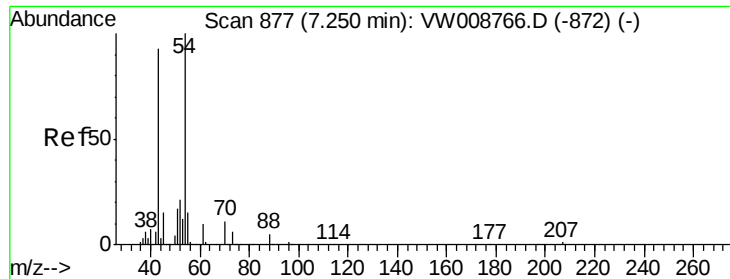
110 10.4 17.5 52.6#

77 0.3 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

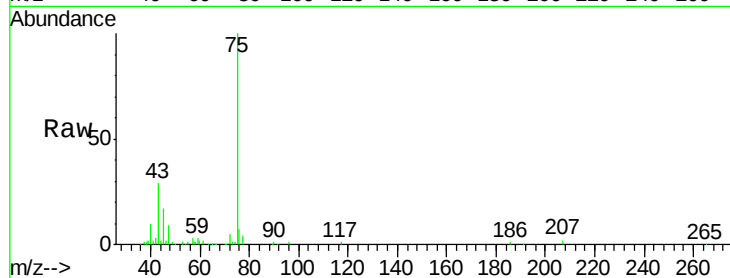




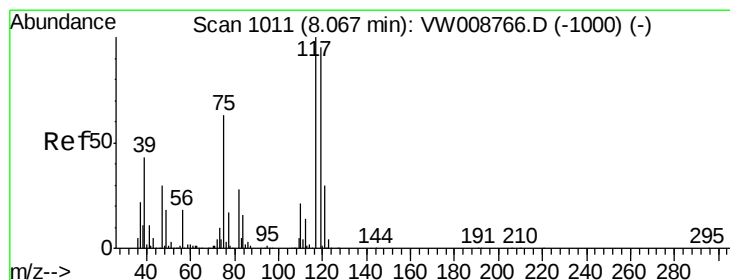
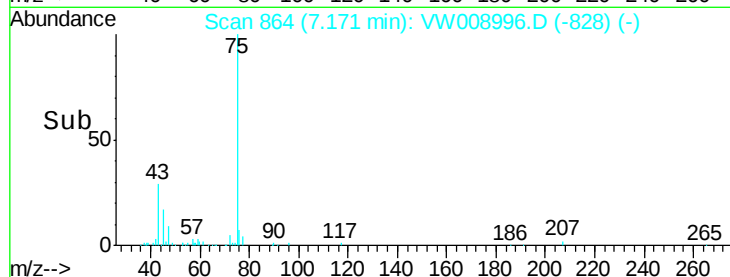
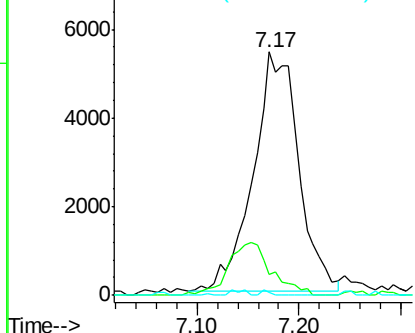
#37
Ethyl Acetate
Concen: 8.933 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.08 min
Lab File: VW008996.D
Acq: 05 Mar 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 16638
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 0.4 8.4 12.6#

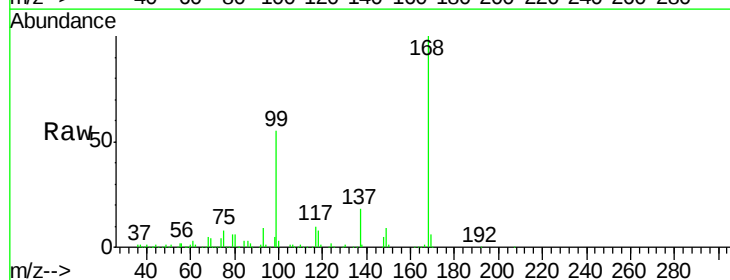


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

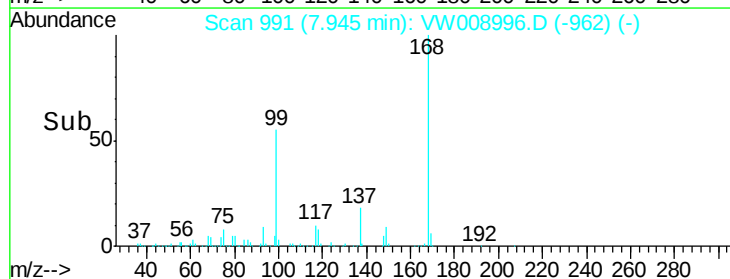
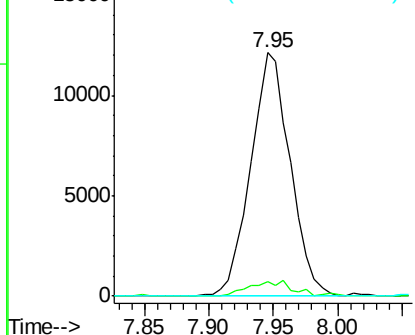


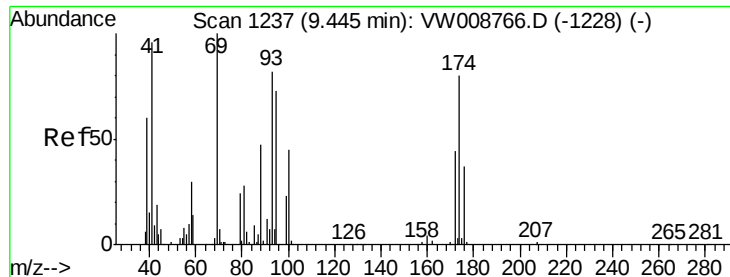
#38
Carbon Tetrachloride
Concen: 6.077 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008996.D
Acq: 05 Mar 2019 15:01

Tgt Ion: 117 Resp: 25670
Ion Ratio Lower Upper
117 100
119 5.7 76.1 114.1#
121 0.0 24.0 36.0#



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

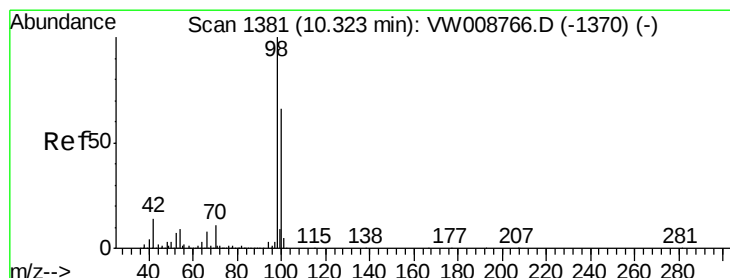
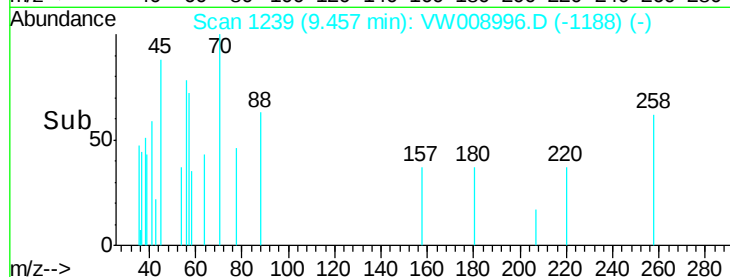
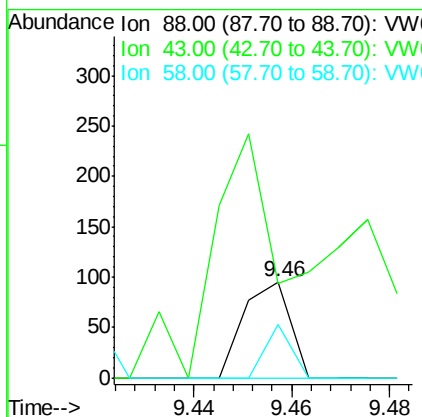
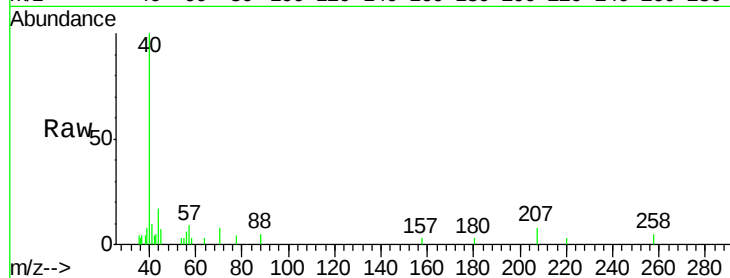




#49
1,4-Dioxane
Concen: 2.617 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008996.D
Acq: 05 Mar 2019 15:01

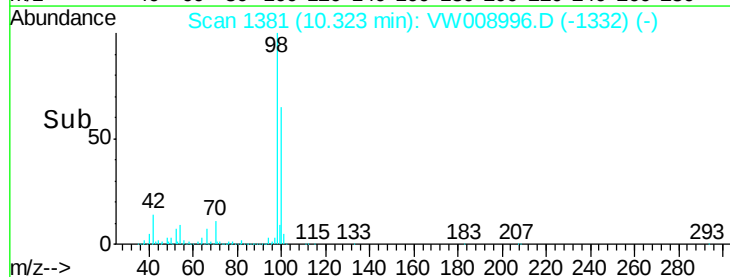
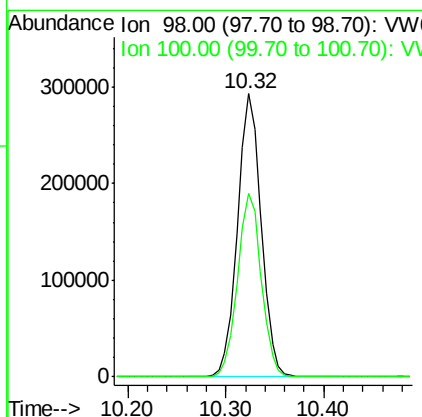
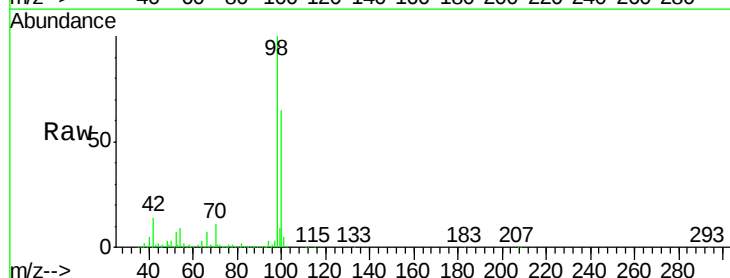
Instrument :
MSVOA_W
ClientSampled :

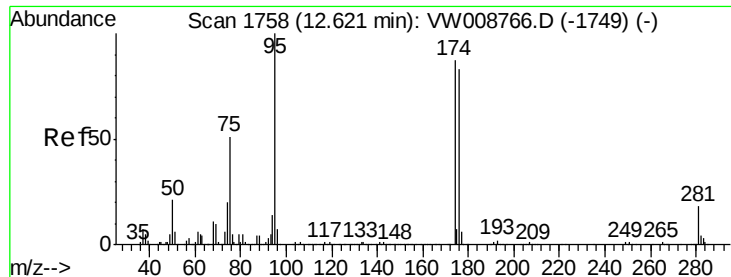
Tot Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 393.7 29.0 43.4#
58 30.2 52.0 78.0#



#50
Toluene-d8
Concen: 51.567 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008996.D
Acq: 05 Mar 2019 15:01

Tgt Ion: 98 Resp: 491760
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6

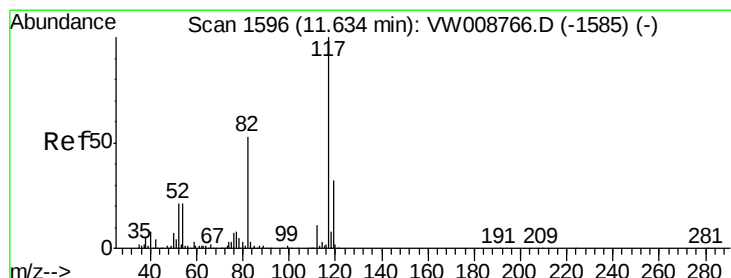
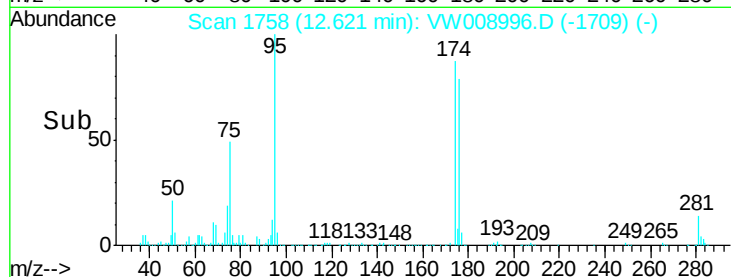
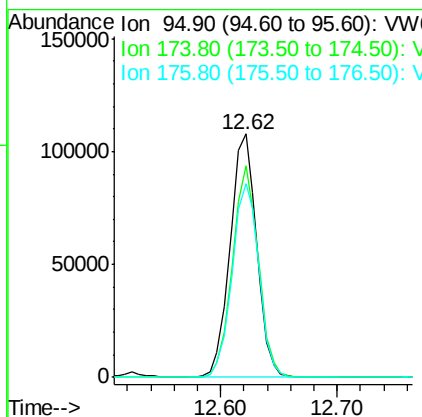
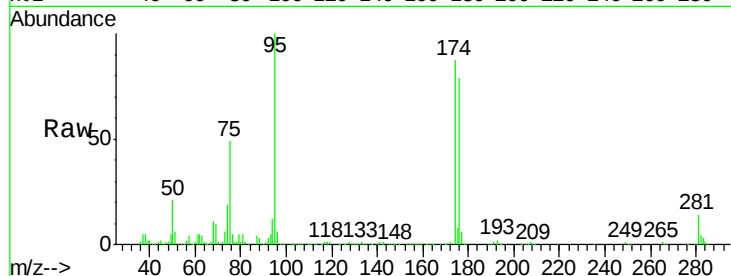




#62
4-Bromofluorobenzene
Concen: 45.861 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008996.D
Acq: 05 Mar 2019 15:01

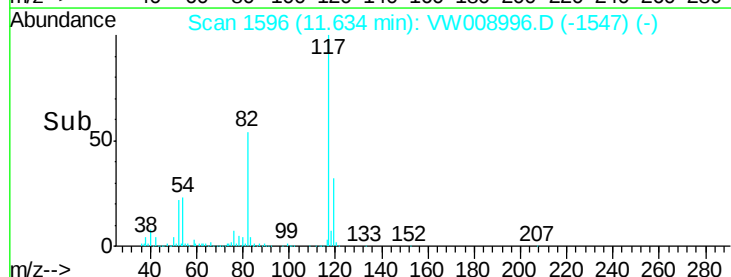
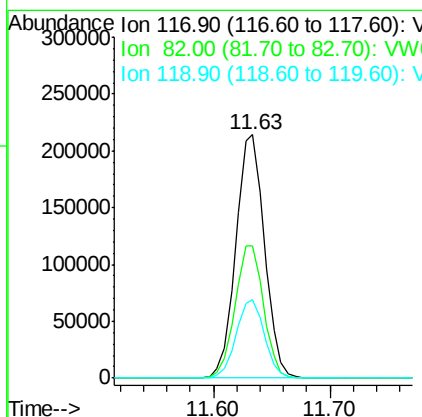
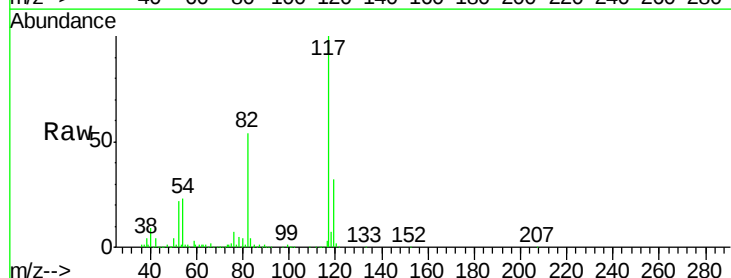
Instrument :
MSVOA_W
ClientSampleId :

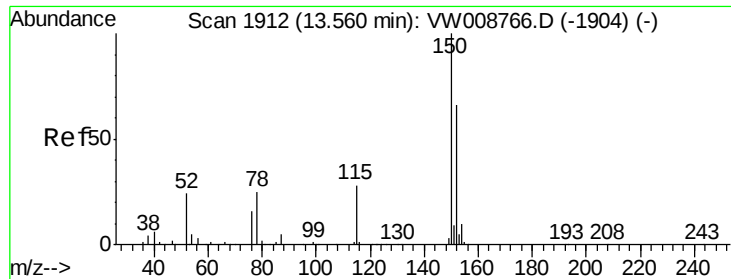
Tot Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	169.2
176	80.1	0.0	163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008996.D
Acq: 05 Mar 2019 15:01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.2	63.4
119	32.1	25.9	38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008996.D

Acq: 05 Mar 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

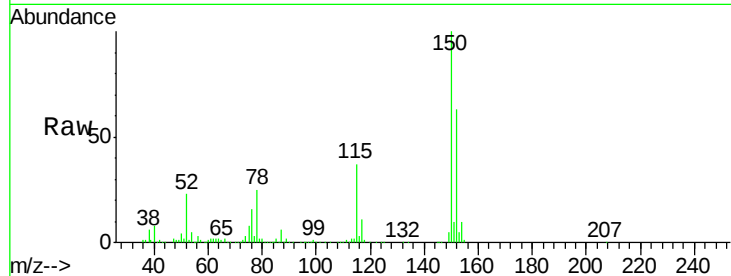
Tot Ion:152 Resp: 174713

Ion Ratio Lower Upper

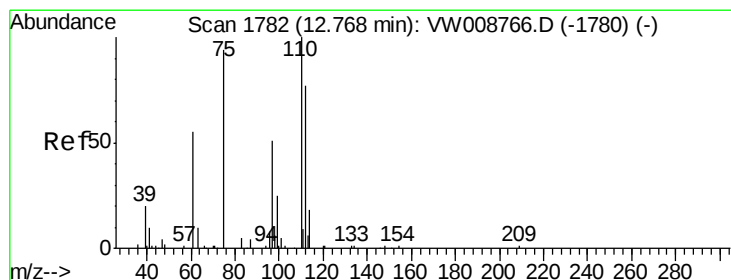
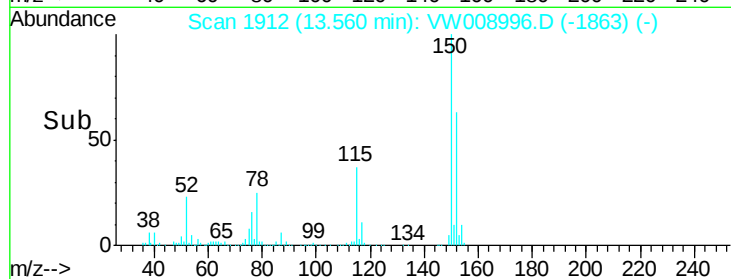
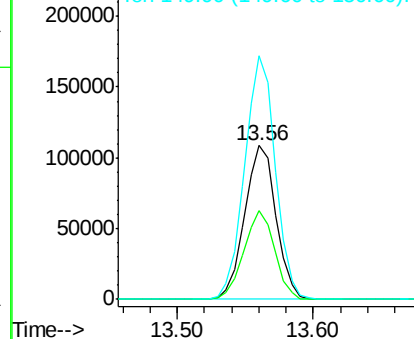
152 100

115 56.3 28.6 85.8

150 155.0 0.0 348.0



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: 62.160 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008996.D

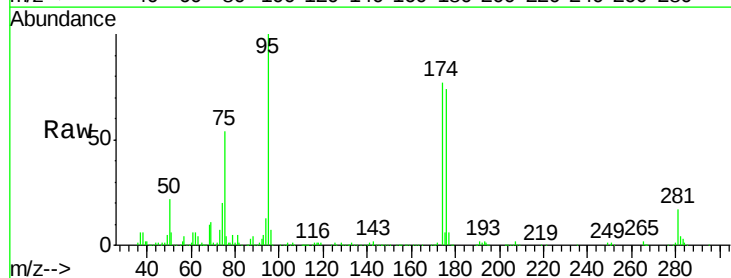
Acq: 05 Mar 2019 15:01

Tgt Ion: 75 Resp: 89665

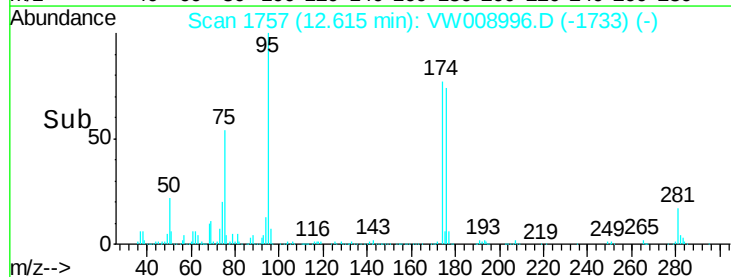
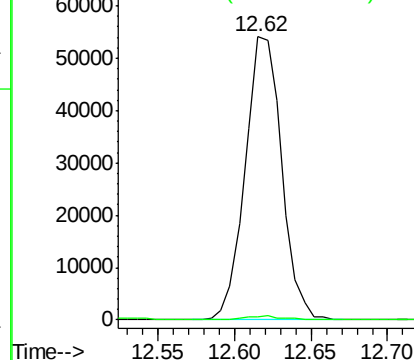
Ion Ratio Lower Upper

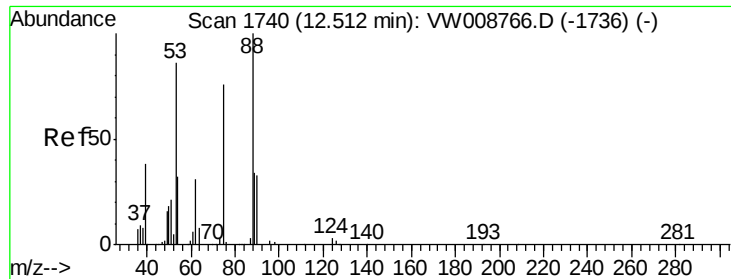
75 100

77 1.5 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: 151.116 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008996.D

Acq: 05 Mar 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

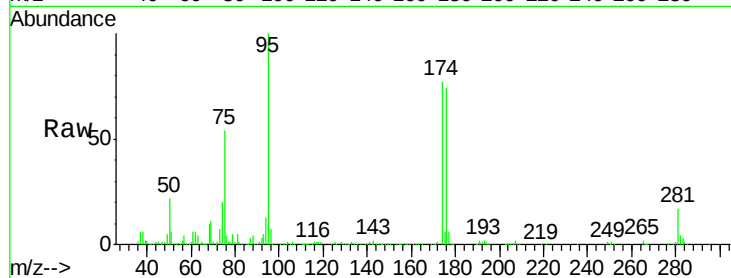
Tot Ion: 75 Resp: 89665

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.1 39.5 59.3#



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

