

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011619\
 Data File : VW008304.D
 Acq On : 16 Jan 2019 13:21
 Operator : SY/VA
 Sample : K1147-01RE
 Misc : 5.10G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1

Quant Time: Jan 17 05:02:15 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	83372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	144935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	115047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	40397	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	46649	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
35) Dibromofluoromethane	7.88	113	47224	55.87	ug/l	0.00
Spiked Amount			Recovery	=	111.74%	
50) Toluene-d8	10.32	98	180008	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.62	95	48338	38.01	ug/l	0.00
Spiked Amount			Recovery	=	76.02%	

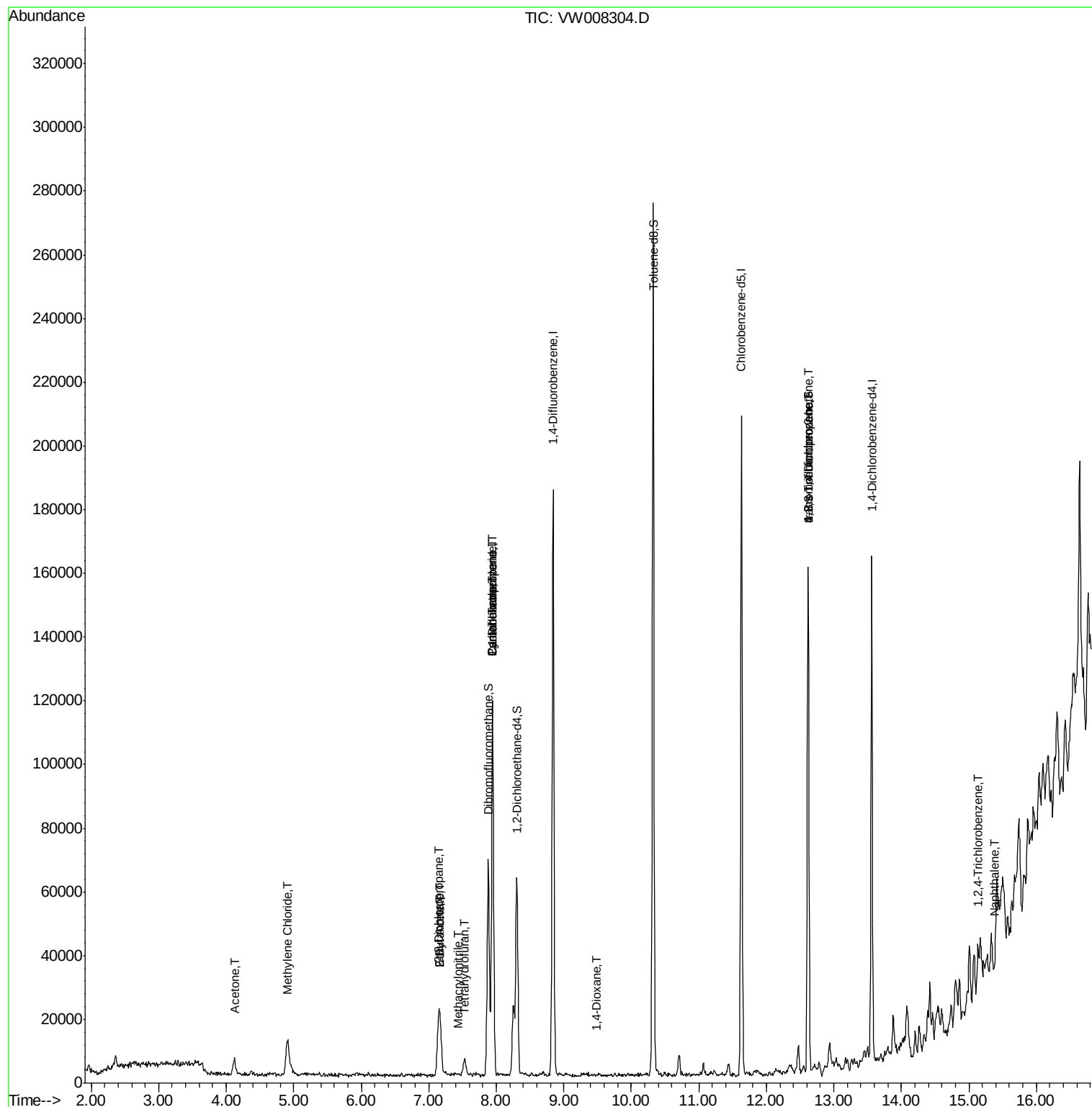
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.27	59	83	Below Cal	#	100
16) Acetone	4.12	43	9314	37.305	ug/l	97
20) Methylene Chloride	4.91	84	9985	6.655	ug/l	95
25) 2-Butanone	7.17	43	19291	73.994	ug/l	94
26) 2,2-Dichloropropane	7.15	77	1316	1.054	ug/l #	53
29) Tetrahydrofuran	7.54	42	4212	24.186	ug/l	95
31) Cyclohexane	7.95	56	2003	1.016	ug/l #	26
36) 1,1-Dichloropropene	7.95	75	7064	4.731	ug/l #	46
37) Ethyl Acetate	7.17	43	19291	32.252	ug/l #	69
38) Carbon Tetrachloride	7.95	117	8468	6.197	ug/l #	18
41) Methacrylonitrile	7.43	41	396	1.048	ug/l #	26
49) 1,4-Dioxane	9.48	88	40	5.044	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	25006	67.903	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	25006	158.125	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.15	180	795	1.002	ug/l #	5
95) Naphthalene	15.38	128	2031	1.371	ug/l #	86

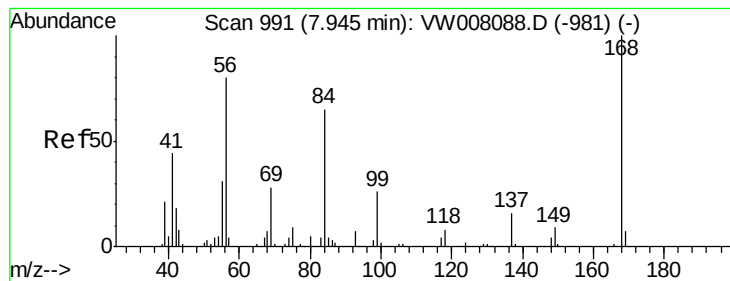
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008304.D

Acq: 16 Jan 2019 13:21

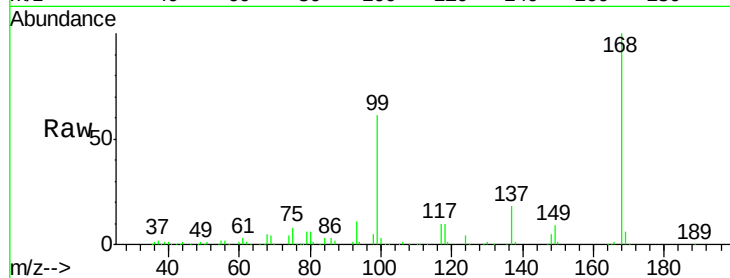
Instrument :
MSVOA_W
ClientSampled :
TP-1

Tot Ion:168 Resp: 83372

Ion Ratio Lower Upper

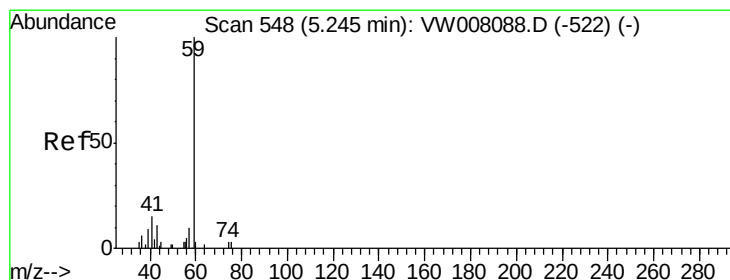
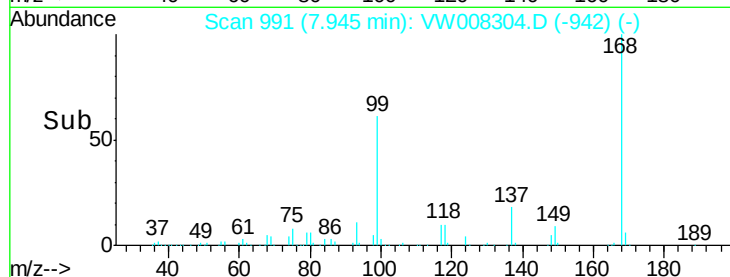
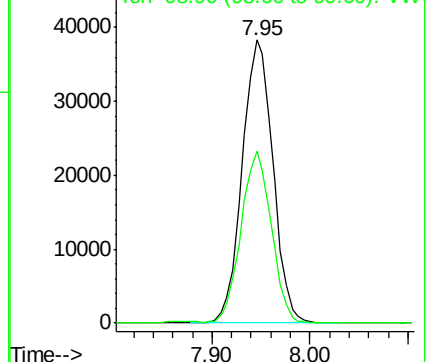
168 100

99 60.6 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.27 min Scan# 552

Delta R.T. 0.02 min

Lab File: VW008304.D

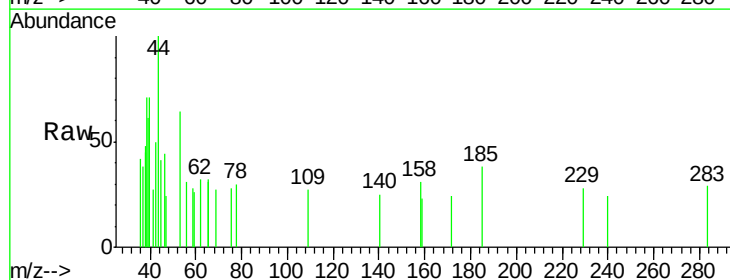
Acq: 16 Jan 2019 13:21

Tgt Ion: 59 Resp: 83

Ion Ratio Lower Upper

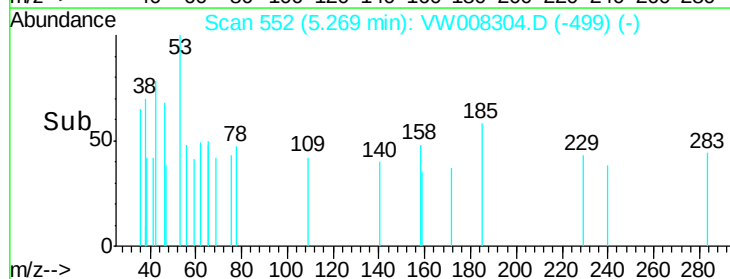
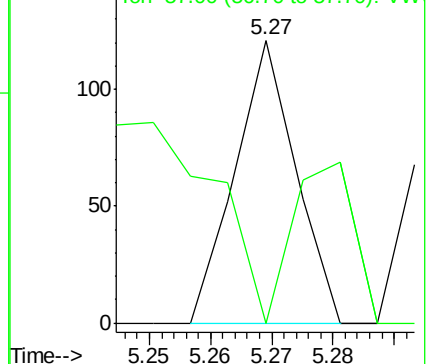
59 100

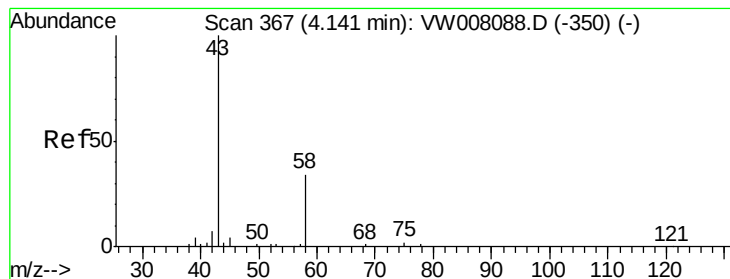
57 57.8 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 37.305 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW008304.D

Acq: 16 Jan 2019 13:21

Instrument :

MSVOA_W

ClientSampled :

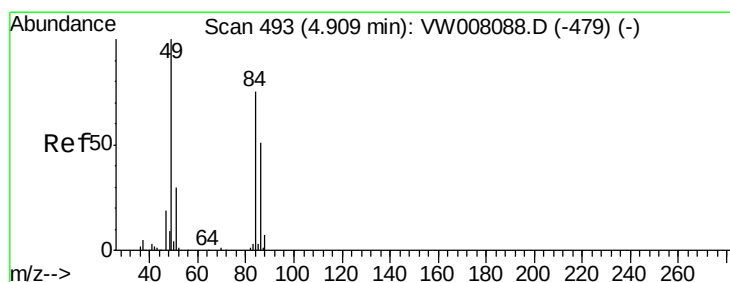
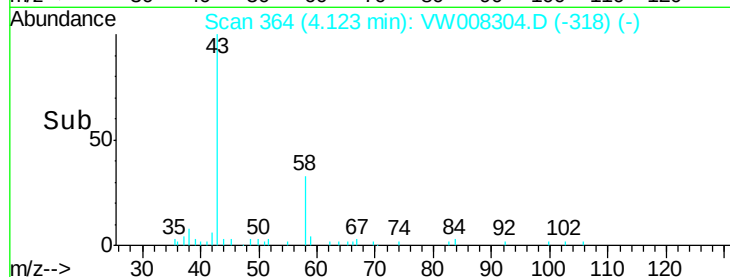
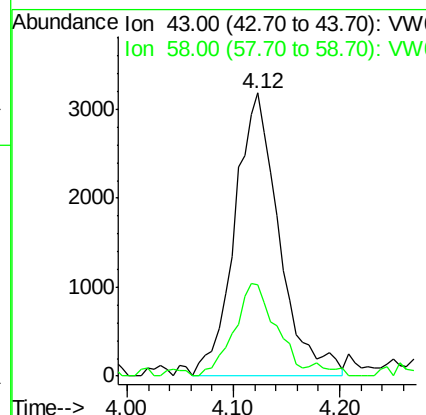
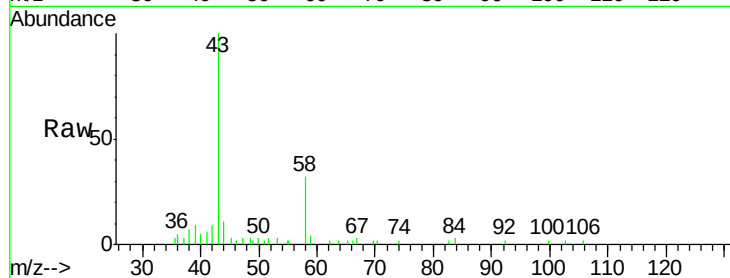
TP-1

Tot Ion: 43 Resp: 9314

Ion Ratio Lower Upper

43 100

58 32.5 27.5 41.3



#20

Methylene Chloride

Concen: 6.655 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW008304.D

Acq: 16 Jan 2019 13:21

Tgt Ion: 84 Resp: 9985

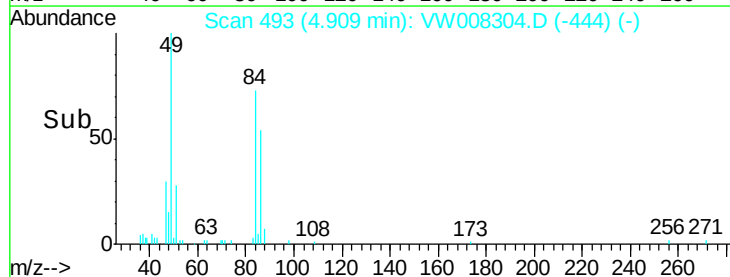
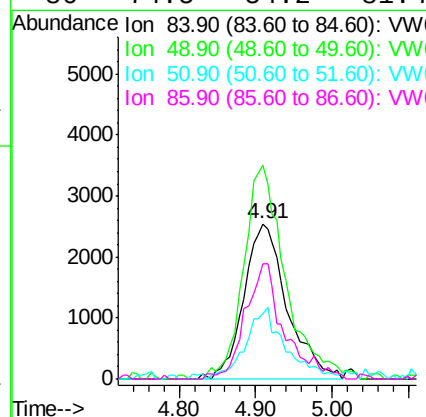
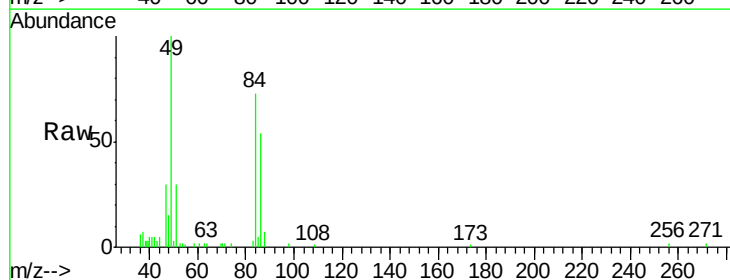
Ion Ratio Lower Upper

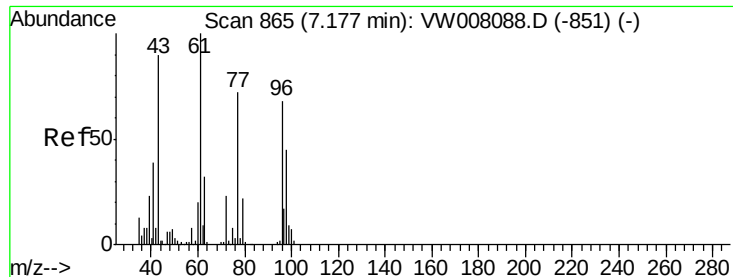
84 100

49 137.9 107.1 160.7

51 39.0 32.4 48.6

86 74.5 54.2 81.4





#25

2-Butanone

Concen: 73.994 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW008304.D

Acq: 16 Jan 2019 13:21

Instrument :

MSVOA_W

ClientSampled :

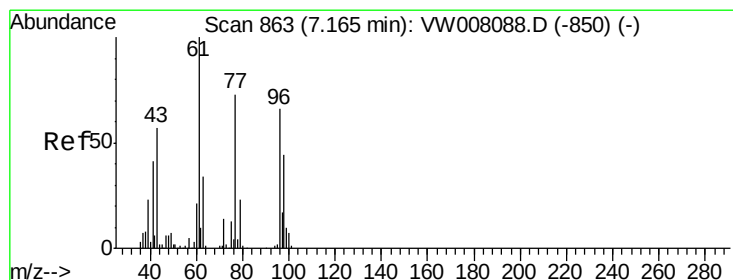
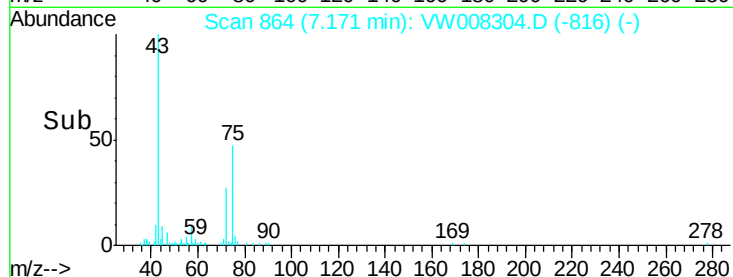
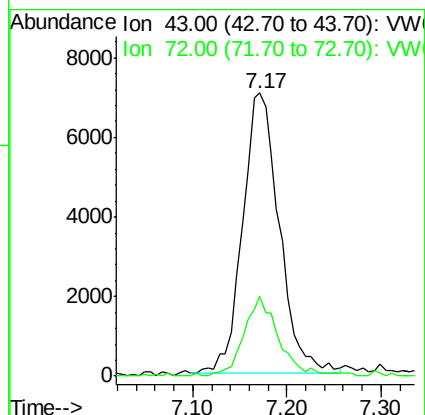
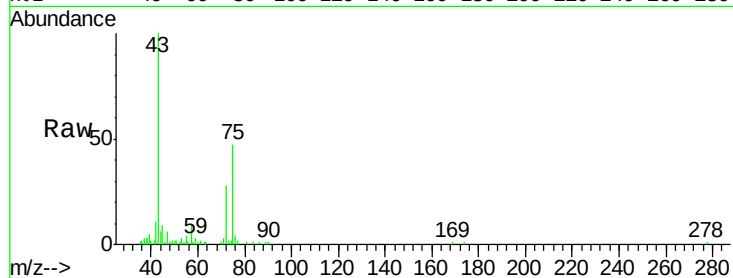
TP-1

Tot Ion: 43 Resp: 19291

Ion Ratio Lower Upper

43 100

72 28.4 20.5 30.7



#26

2,2-Dichloropropane

Concen: 1.054 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW008304.D

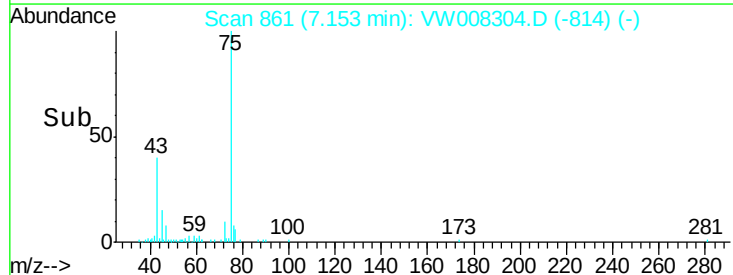
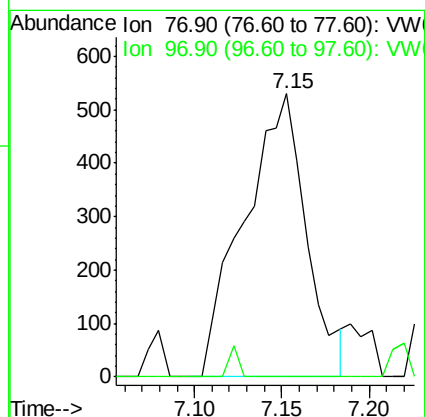
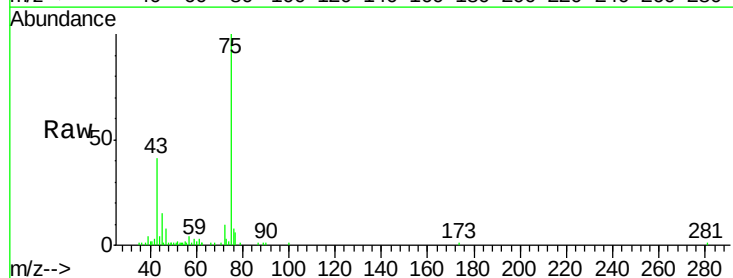
Acq: 16 Jan 2019 13:21

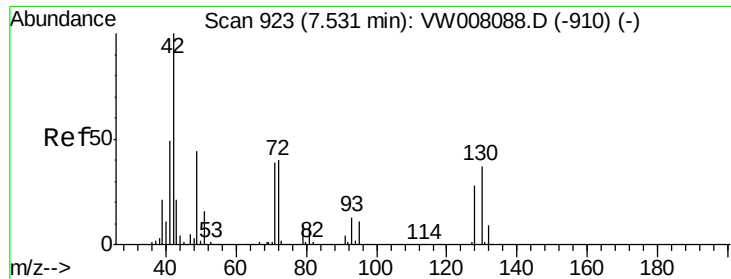
Tgt Ion: 77 Resp: 1316

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#

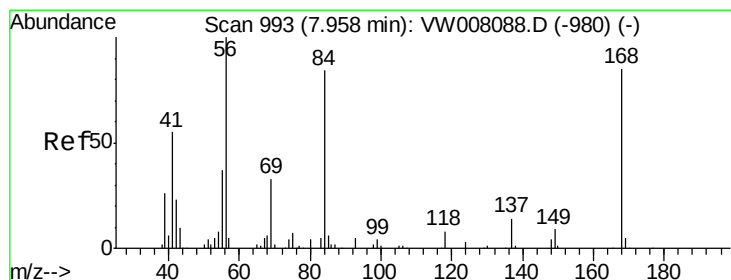
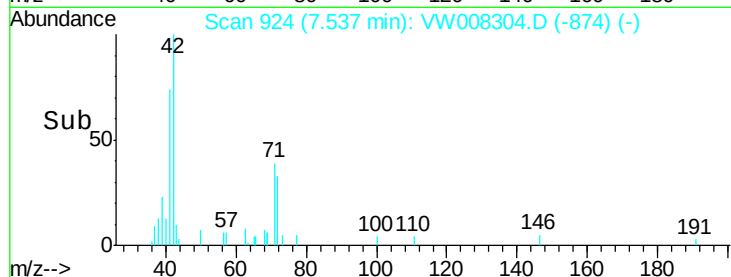
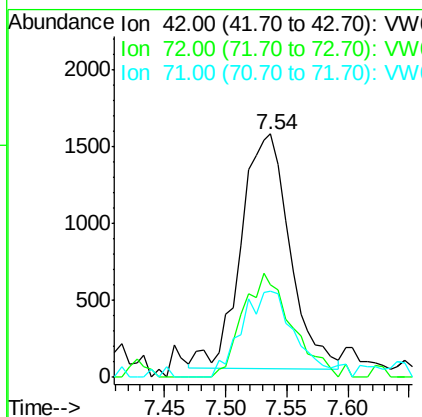
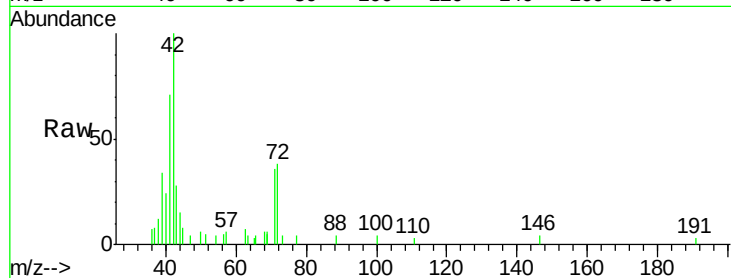




#29
Tetrahydrofuran
Concen: 24.186 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008304.D
Acq: 16 Jan 2019 13:21

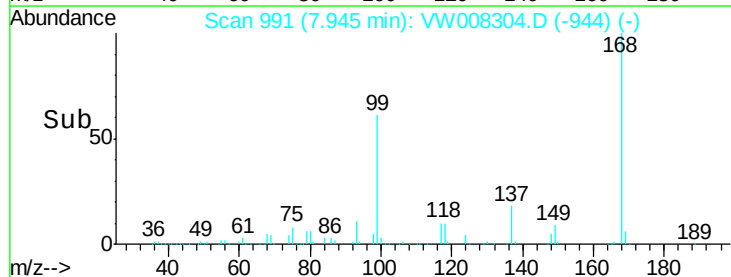
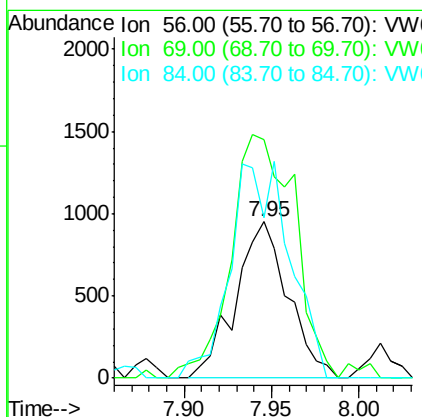
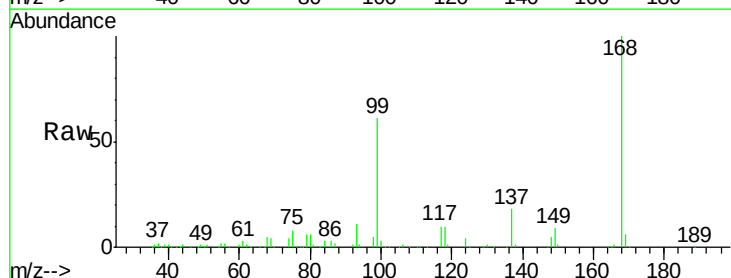
Instrument :
MSVOA_W
ClientSampleId :
TP-1

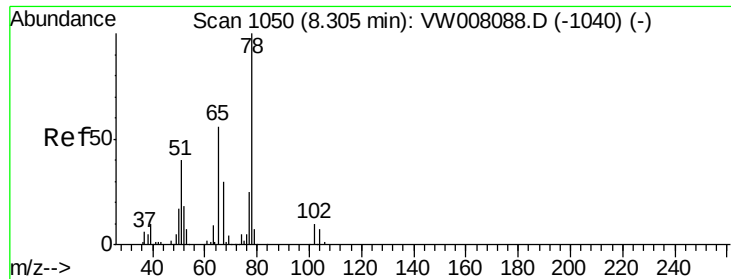
Tot Ion: 42 Resp: 4212
Ion Ratio Lower Upper
42 100
72 44.4 32.4 48.6
71 41.3 31.3 46.9



#31
Cyclohexane
Concen: 1.016 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008304.D
Acq: 16 Jan 2019 13:21

Tgt Ion: 56 Resp: 2003
Ion Ratio Lower Upper
56 100
69 152.6 26.2 39.4#
84 102.4 67.4 101.2#

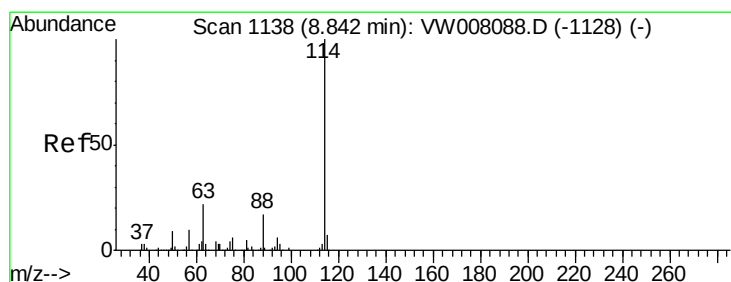
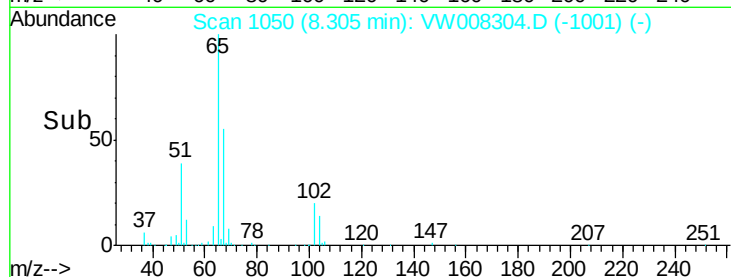
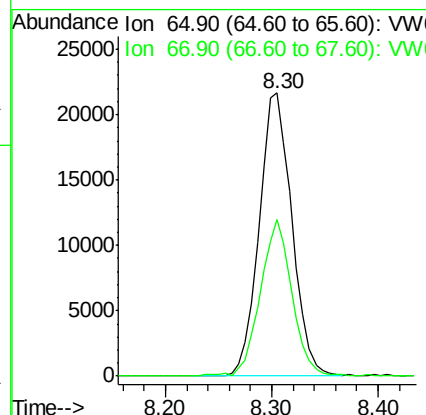
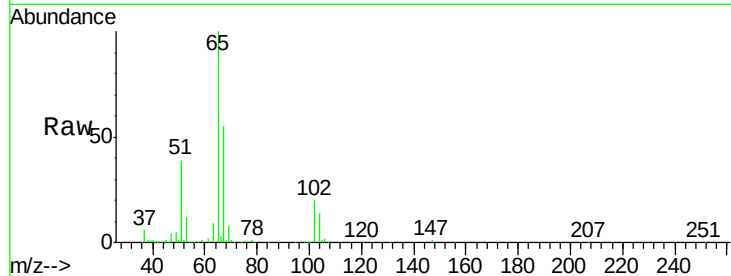




#33
 1,2-Dichloroethane-d4
 Concen: 49.784 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008304.D
 Acq: 16 Jan 2019 13:21

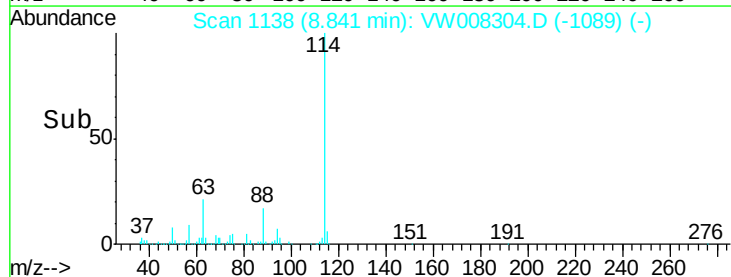
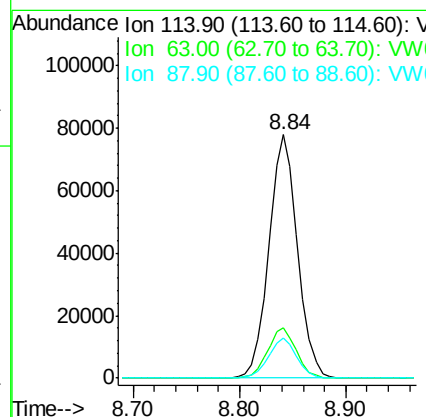
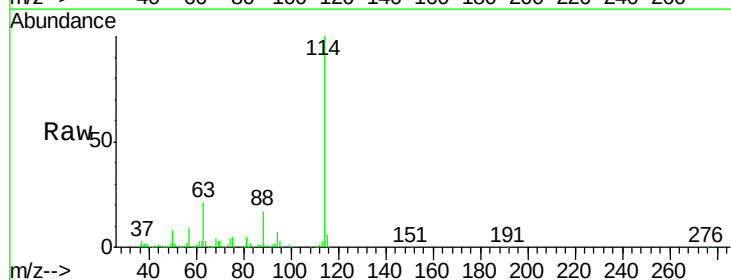
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1

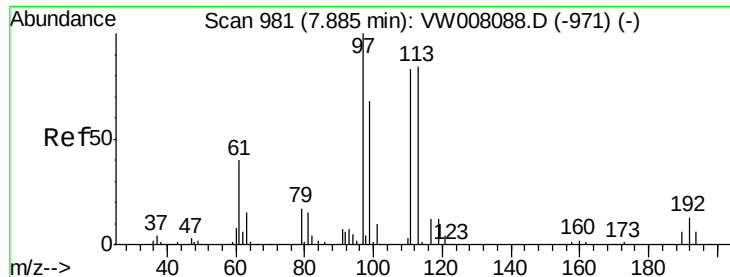
Tot Ion: 65 Resp: 46649
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008304.D
 Acq: 16 Jan 2019 13:21

Tgt Ion: 114 Resp: 144935
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 43.4
 88 16.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 55.865 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008304.D

Acq: 16 Jan 2019 13:21

Instrument :
MSVOA_W
ClientSampled :
TP-1

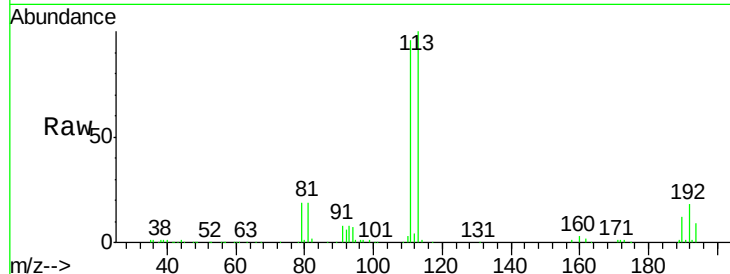
Tot Ion:113 Resp: 47224

Ion Ratio Lower Upper

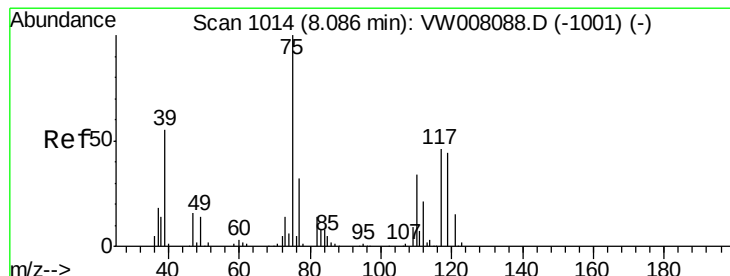
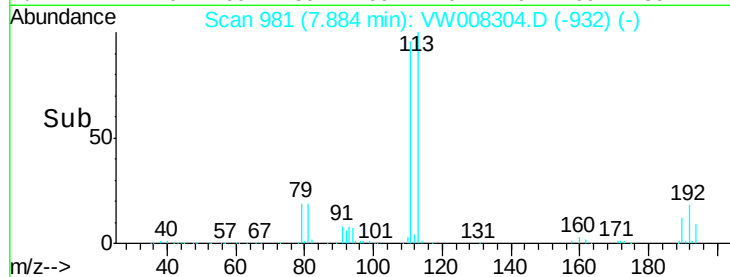
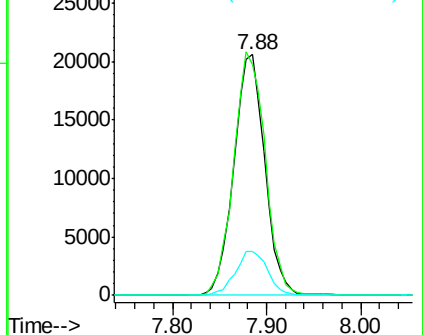
113 100

111 102.8 81.8 122.8

192 18.8 12.8 19.2



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: 4.731 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW008304.D

Acq: 16 Jan 2019 13:21

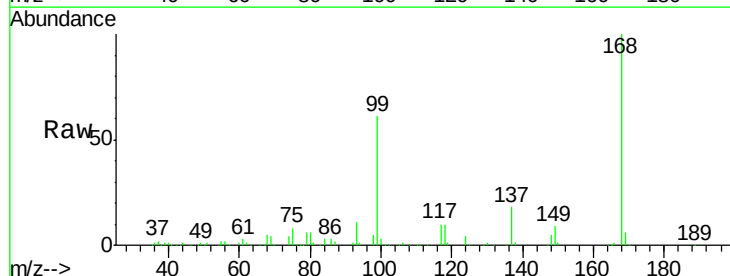
Tgt Ion: 75 Resp: 7064

Ion Ratio Lower Upper

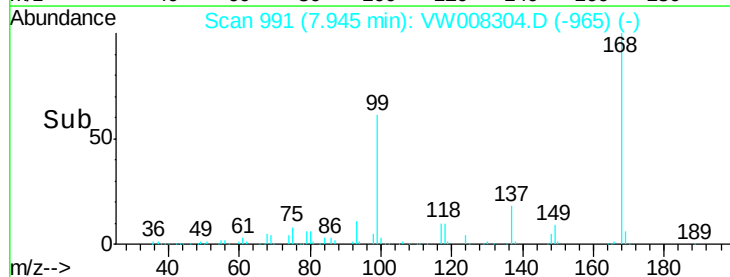
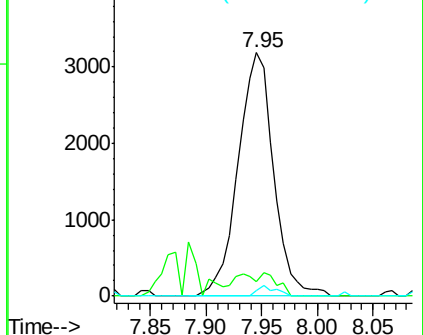
75 100

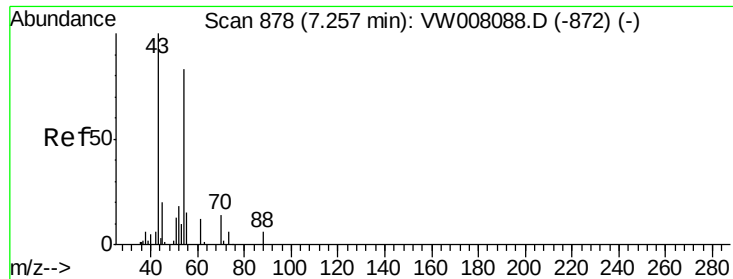
110 2.8 17.1 51.3#

77 2.3 25.5 38.3#



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

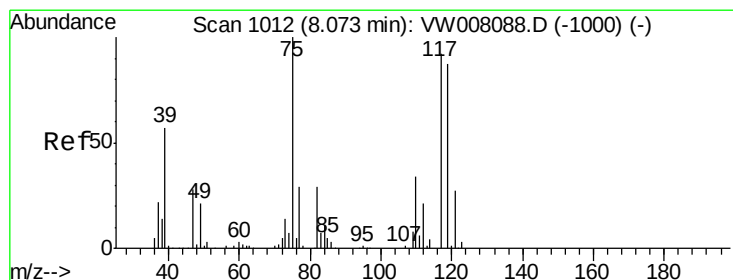
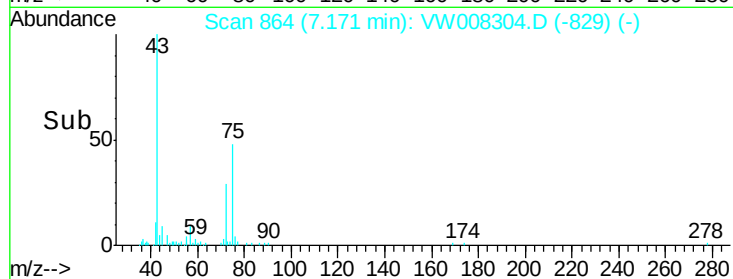
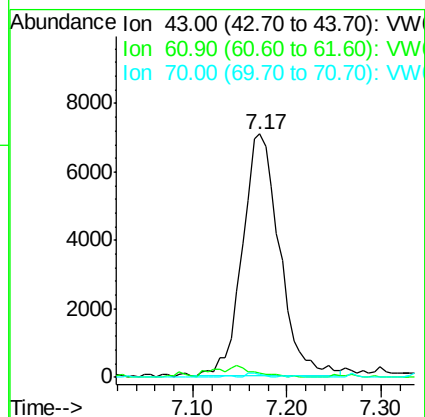
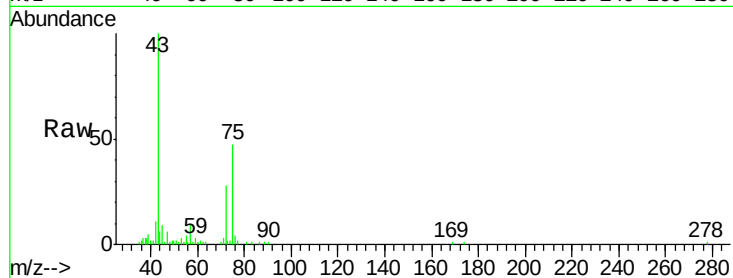




#37
Ethyl Acetate
Concen: 32.252 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.09 min
Lab File: VW008304.D
Acq: 16 Jan 2019 13:21

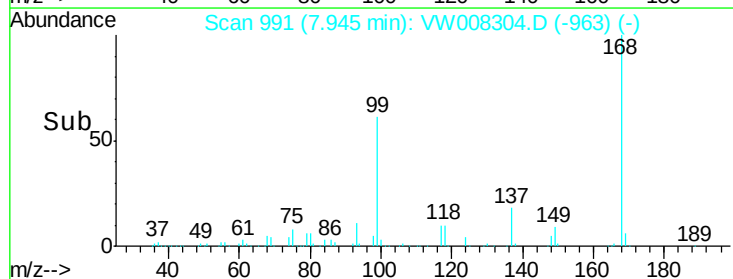
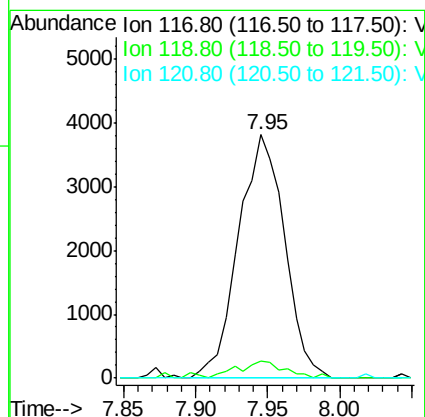
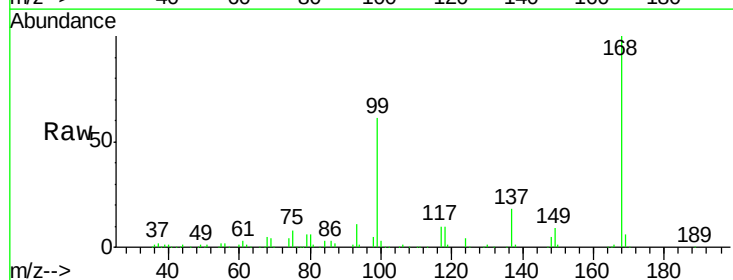
Instrument :
MSVOA_W
ClientSampleId :
TP-1

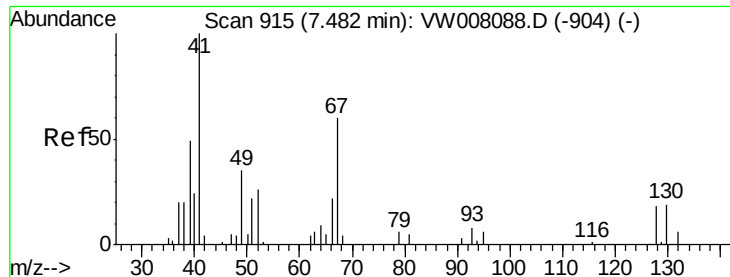
Tot Ion: 43 Resp: 19291
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.7 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 6.197 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW008304.D
Acq: 16 Jan 2019 13:21

Tgt Ion: 117 Resp: 8468
Ion Ratio Lower Upper
117 100
119 6.8 75.8 113.8#
121 0.0 23.7 35.5#





#41

Methacrylonitrile

Concen: 1.048 ug/l

RT: 7.43 min Scan# 906

Delta R.T. -0.06 min

Lab File: VW008304.D

Acq: 16 Jan 2019 13:21

Instrument :

MSVOA_W

ClientSampled :

TP-1

Tot Ion: 41 Resp: 396

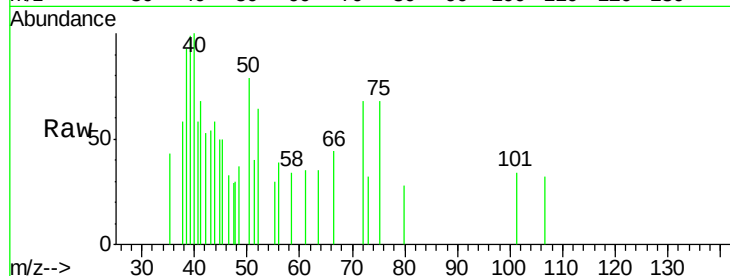
Ion Ratio Lower Upper

41 100

39 0.0 47.9 71.9#

67 0.0 56.3 84.5#

52 9.1 24.5 36.7#

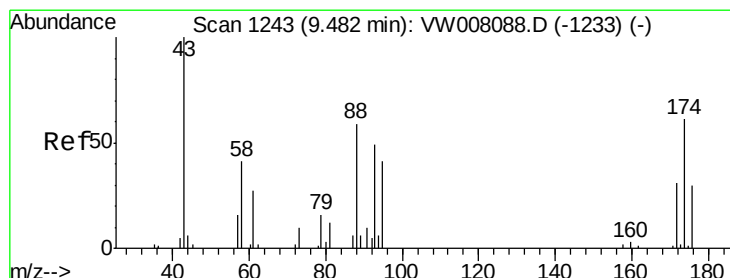
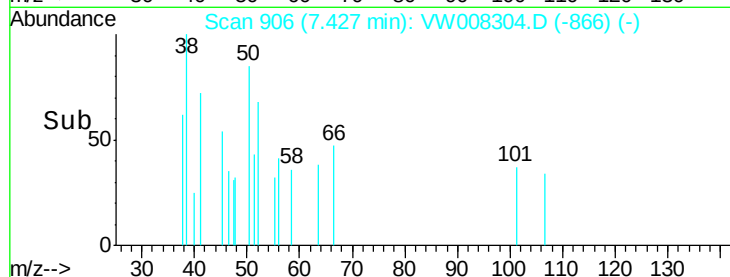
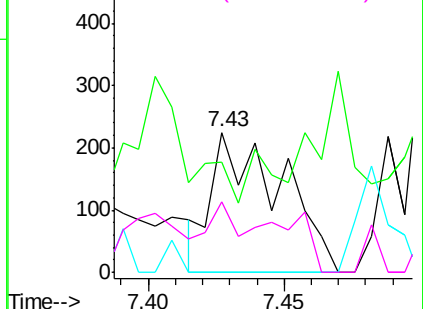


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#49

1,4-Dioxane

Concen: 5.044 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VW008304.D

Acq: 16 Jan 2019 13:21

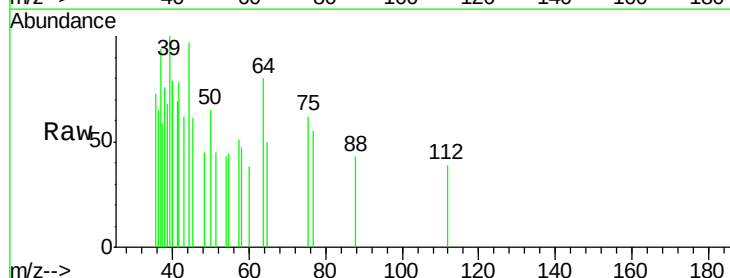
Tgt Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

43 300.0 0.0 0.0#

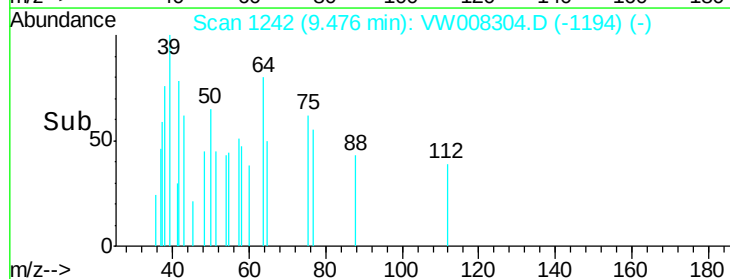
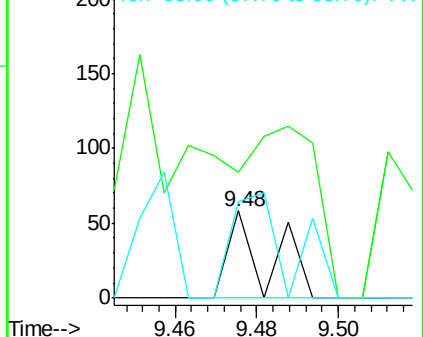
58 170.0 61.7 92.5#

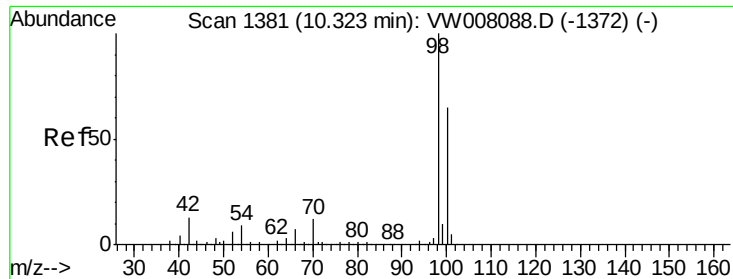


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

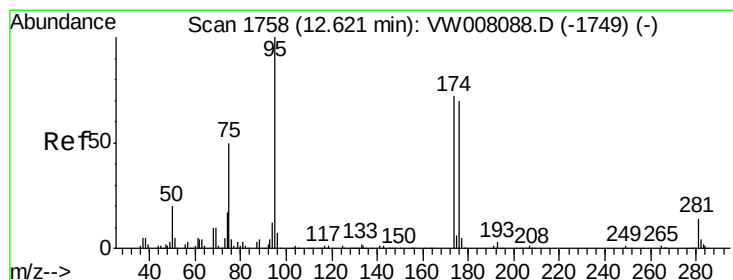
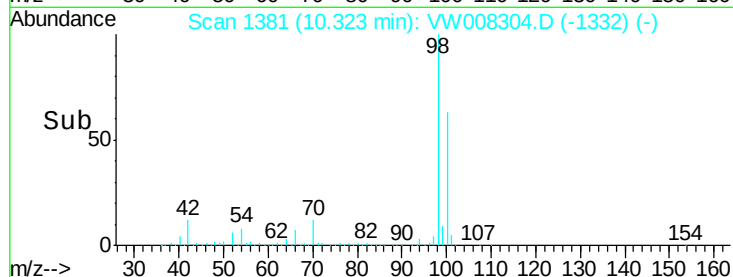
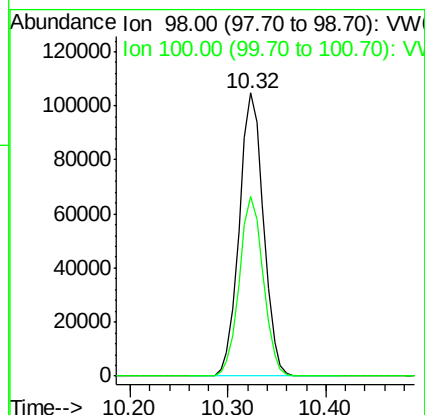
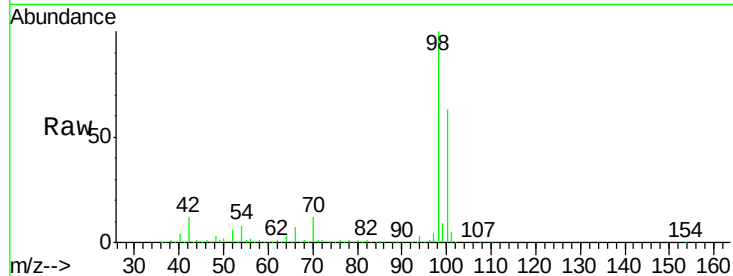




#50
Toluene-d8
Concen: 50.745 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008304.D
Acq: 16 Jan 2019 13:21

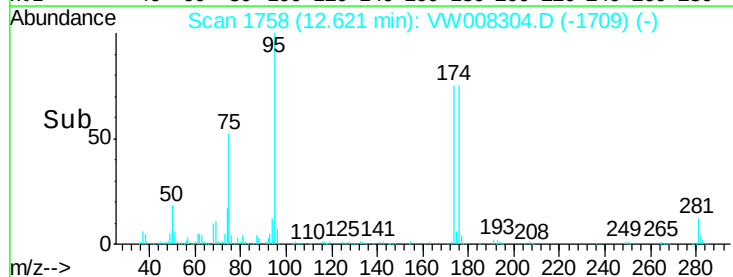
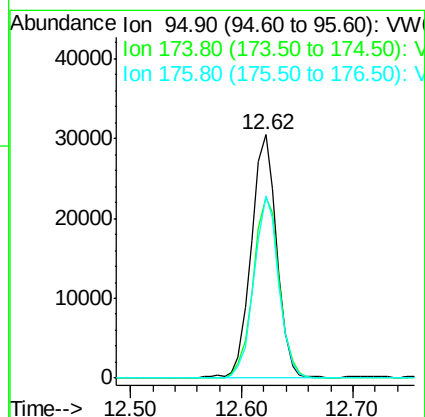
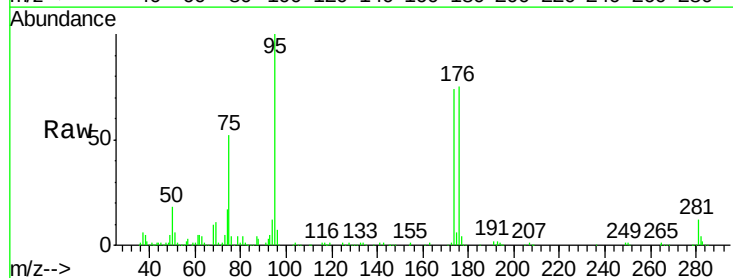
Instrument :
MSVOA_W
ClientSampled :
TP-1

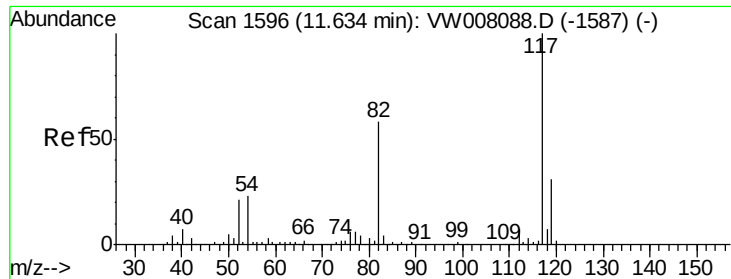
Tot Ion: 98 Resp: 180008
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 38.011 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008304.D
Acq: 16 Jan 2019 13:21

Tgt Ion: 95 Resp: 48338
Ion Ratio Lower Upper
95 100
174 76.8 0.0 143.0
176 73.1 0.0 140.2

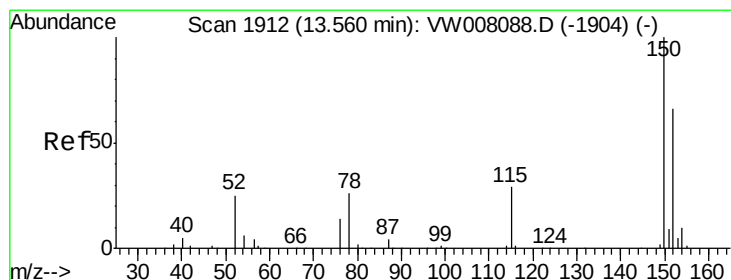
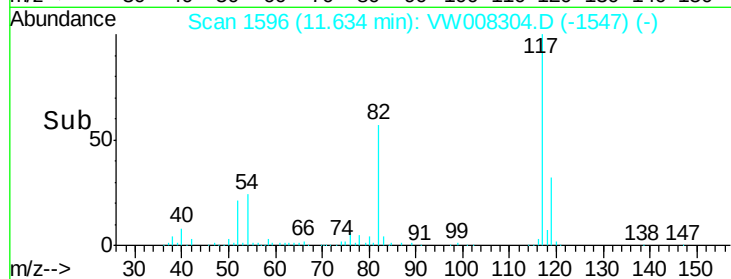
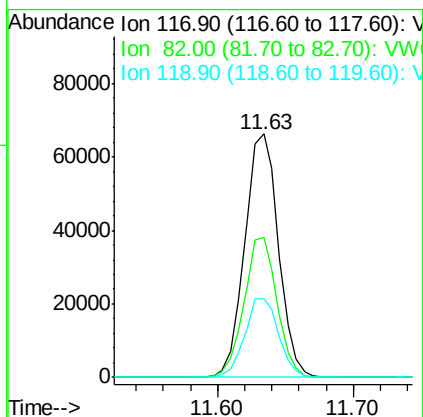
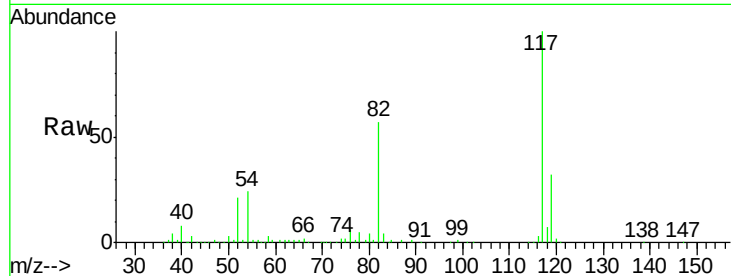




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008304.D
Acq: 16 Jan 2019 13:21

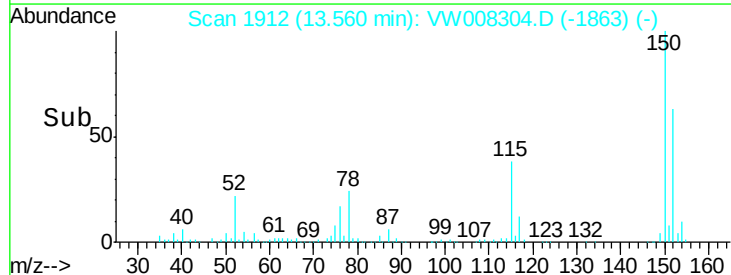
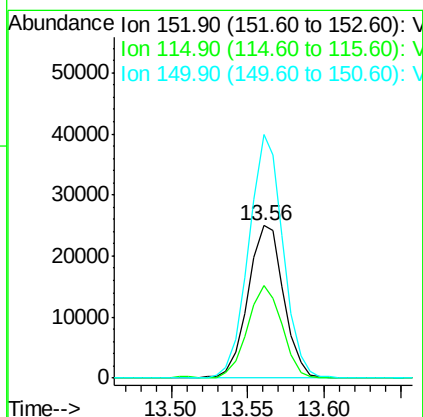
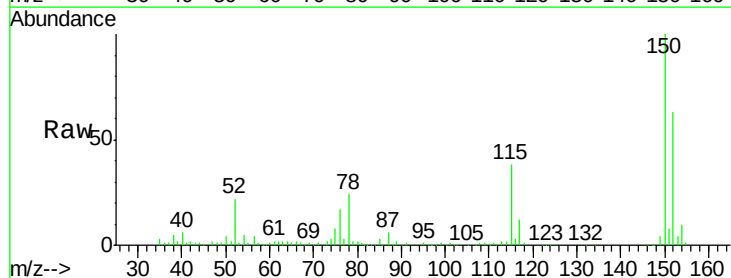
Instrument :
MSVOA_W
ClientSampleId :
TP-1

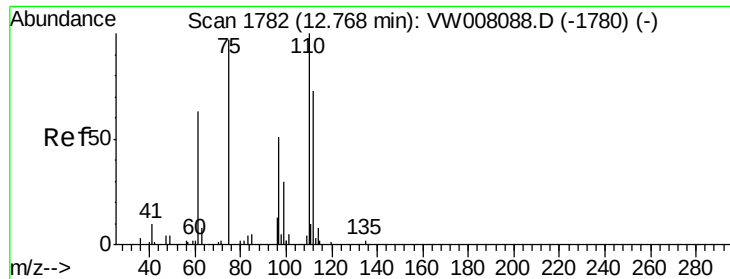
Tot Ion:117 Resp: 115047
Ion Ratio Lower Upper
117 100
82 57.1 46.4 69.6
119 32.2 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008304.D
Acq: 16 Jan 2019 13:21

Tgt Ion:152 Resp: 40397
Ion Ratio Lower Upper
152 100
115 58.9 30.8 92.4
150 153.8 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 67.903 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008304.D

Acq: 16 Jan 2019 13:21

Instrument :

MSVOA_W

ClientSampleId :

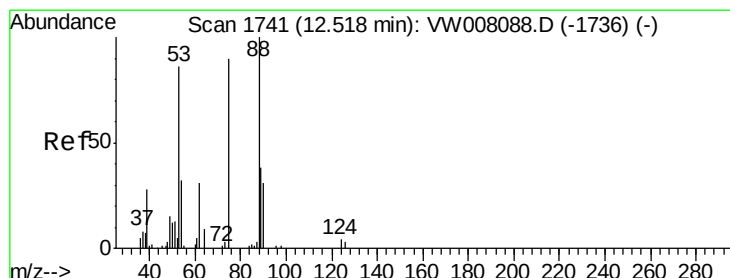
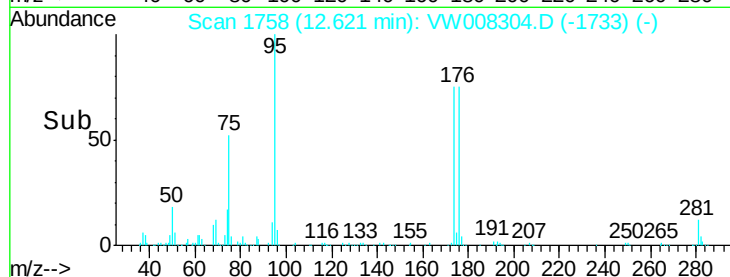
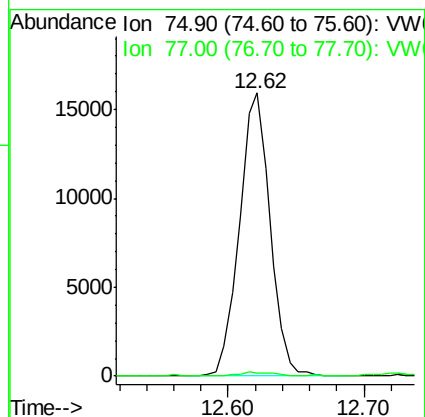
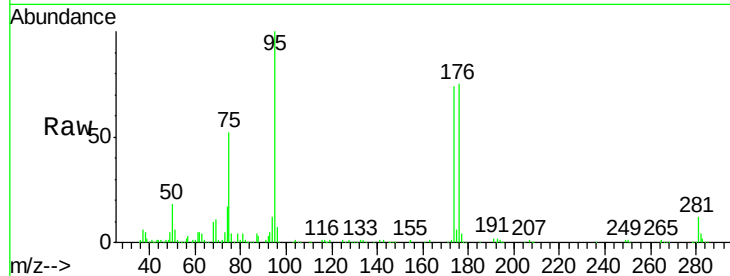
TP-1

Tot Ion: 75 Resp: 25006

Ion Ratio Lower Upper

75 100

77 2.1 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 158.125 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008304.D

Acq: 16 Jan 2019 13:21

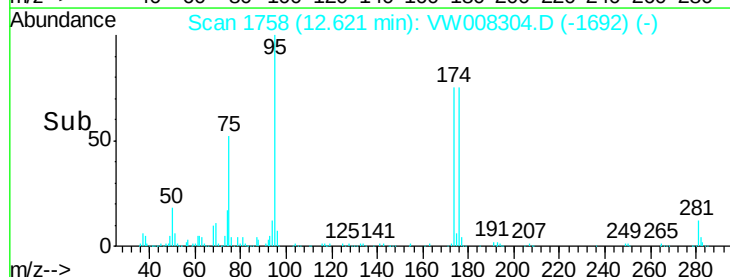
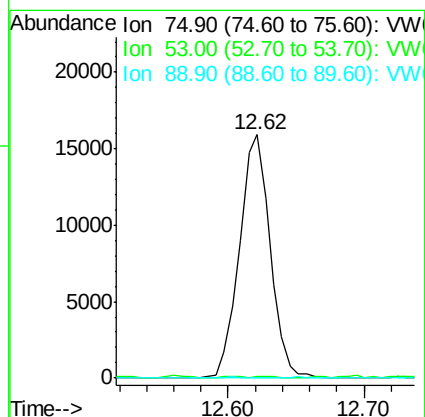
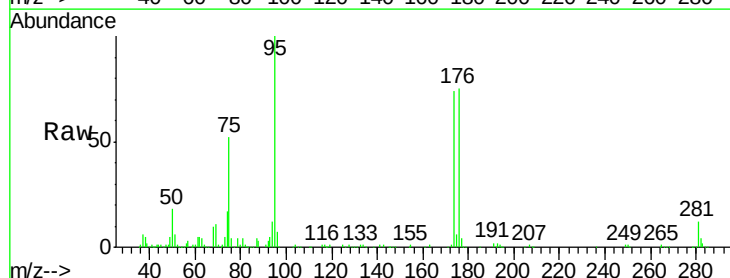
Tgt Ion: 75 Resp: 25006

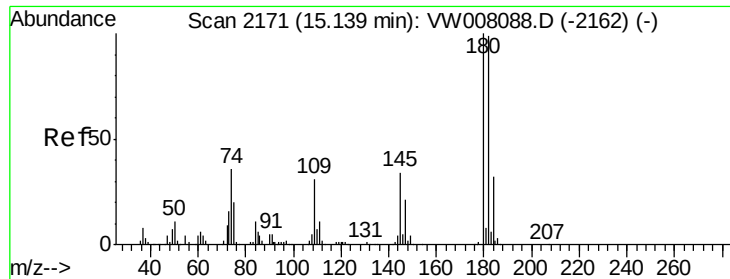
Ion Ratio Lower Upper

75 100

53 0.5 78.8 118.2#

89 0.0 35.4 53.2#

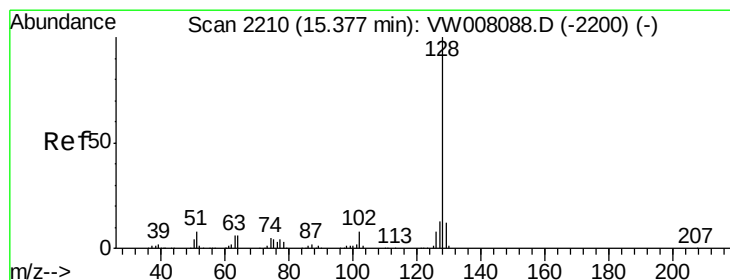
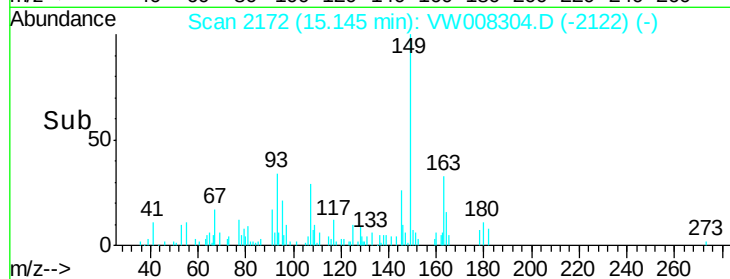
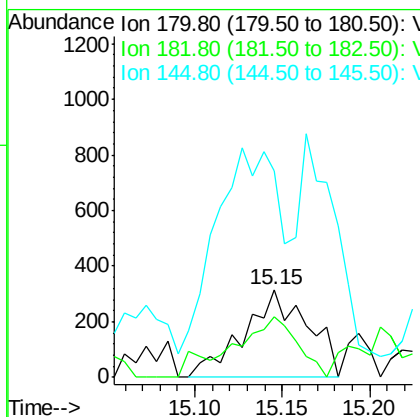
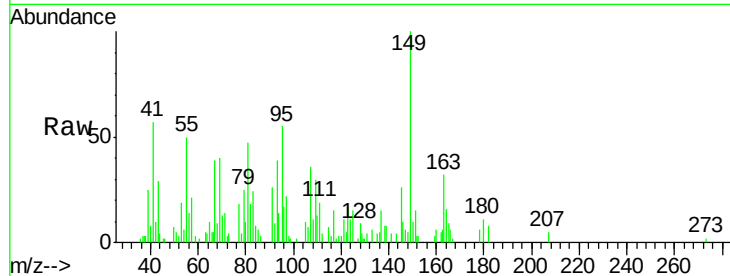




#93
 1,2,4-Trichlorobenzene
 Concen: 1.002 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW008304.D
 Acq: 16 Jan 2019 13:21

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1

Tot Ion:180 Resp: 795
 Ion Ratio Lower Upper
 180 100
 182 60.5 48.6 145.9
 145 181.9 16.6 49.7#



#95
 Naphthalene
 Concen: 1.371 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: VW008304.D
 Acq: 16 Jan 2019 13:21

Tgt Ion:128 Resp: 2031
 Ion Ratio Lower Upper
 128 100
 127 6.9 11.0 16.4#
 129 15.5 9.0 13.6#

