

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022719\
 Data File : VW008858.D
 Acq On : 27 Feb 2019 16:49
 Operator : SY/VA
 Sample : K1594-40RE
 Misc : 4.66G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 28 07:03:26 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	293066	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	443581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	380009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169609	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	166214	60.47	ug/l	0.00
Spiked Amount			Recovery	=	120.94%	
35) Dibromofluoromethane	7.88	113	136461	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
50) Toluene-d8	10.32	98	526747	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.62	95	171996	42.73	ug/l	0.00
Spiked Amount			Recovery	=	85.46%	

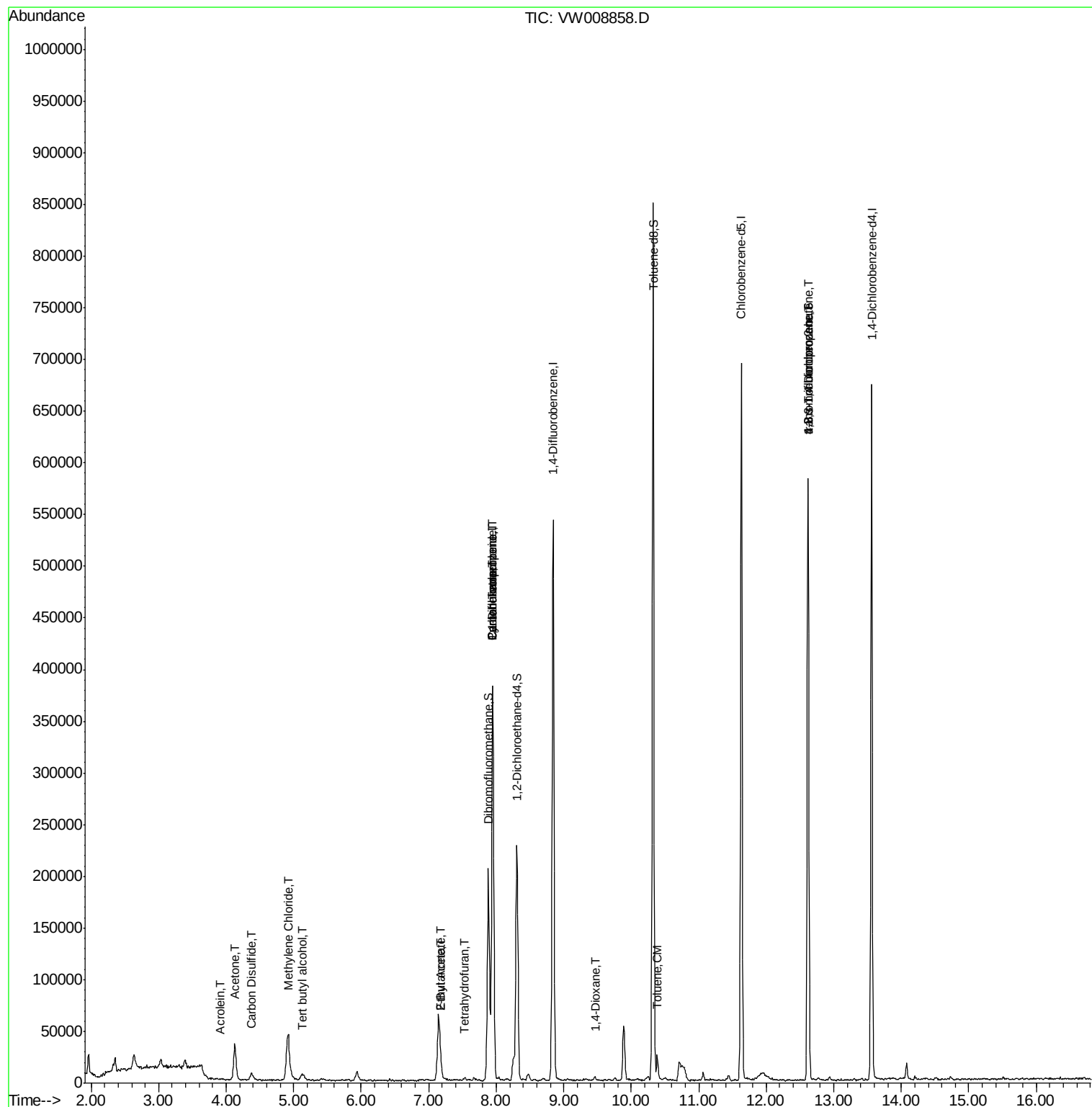
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	4105	16.775	ug/l #	70
13) Acrolein	3.91	56	79	20.062	ug/l #	1
16) Acetone	4.13	43	56814	89.172	ug/l	99
17) Carbon Disulfide	4.38	76	12012	1.411	ug/l	99
20) Methylene Chloride	4.92	84	35114	6.771	ug/l	86
25) 2-Butanone	7.18	43	14781	16.594	ug/l	99
29) Tetrahydrofuran	7.54	42	2016	3.552	ug/l #	88
31) Cyclohexane	7.95	56	7141	1.378	ug/l #	46
36) 1,1-Dichloropropene	7.95	75	21744	5.036	ug/l #	53
37) Ethyl Acetate	7.18	43	14833	7.387	ug/l #	71
38) Carbon Tetrachloride	7.95	117	27538	6.047	ug/l #	17
49) 1,4-Dioxane	9.47	88	58	2.235	ug/l #	1
52) Toluene	10.39	92	8873	1.109	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	90454	64.594	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	90454	157.033	ug/l #	6

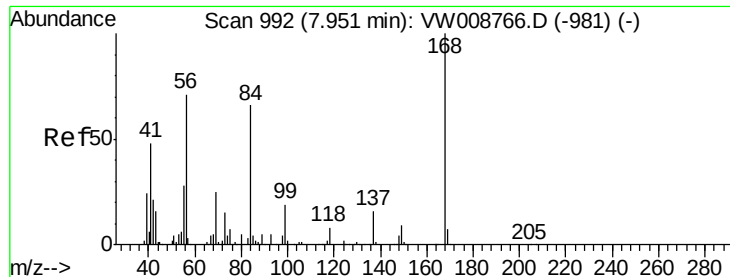
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008858.D

Acq: 27 Feb 2019 16:49

Instrument :

MSVOA_W

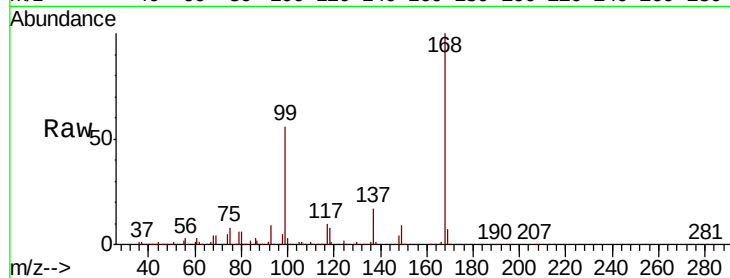
ClientSampled :

Tot Ion:168 Resp: 293066

Ion Ratio Lower Upper

168 100

99 56.0 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

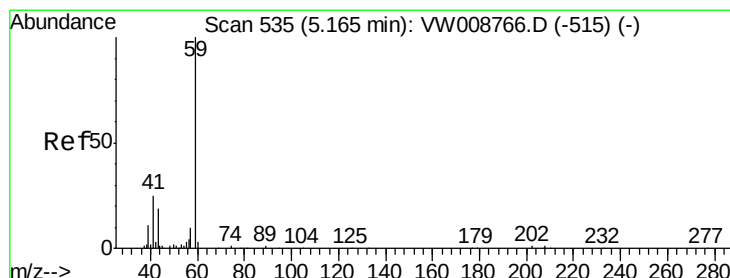
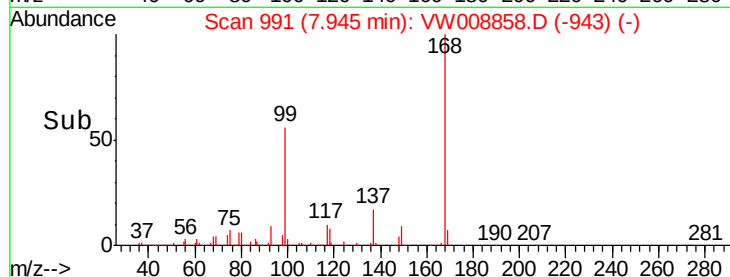
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 16.775 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW008858.D

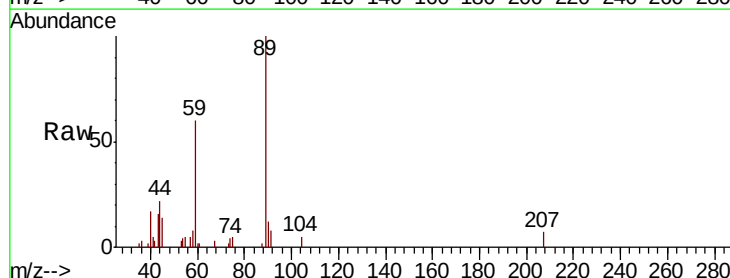
Acq: 27 Feb 2019 16:49

Tgt Ion: 59 Resp: 4105

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

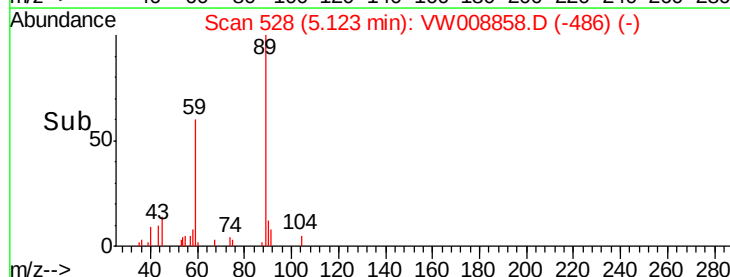
1500

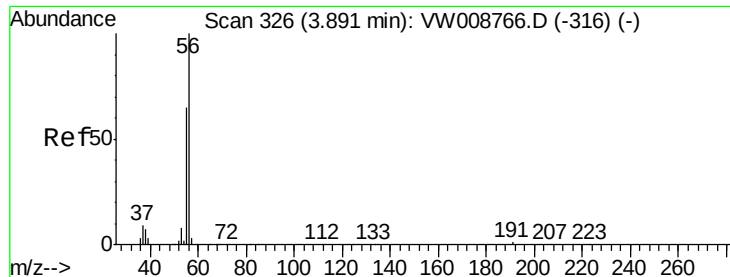
1000

500

0

Time-->





#13

Acrolein

Concen: 20.062 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.02 min

Lab File: VW008858.D

Acq: 27 Feb 2019 16:49

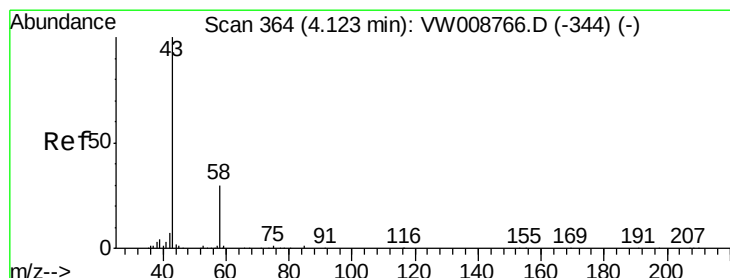
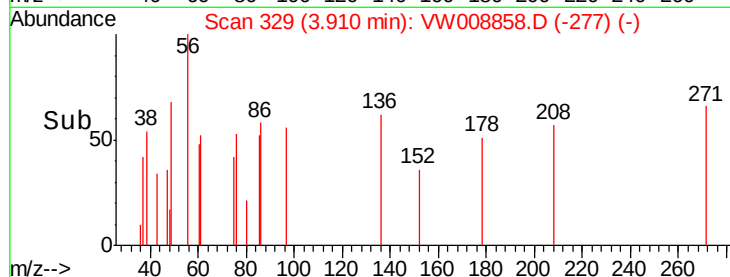
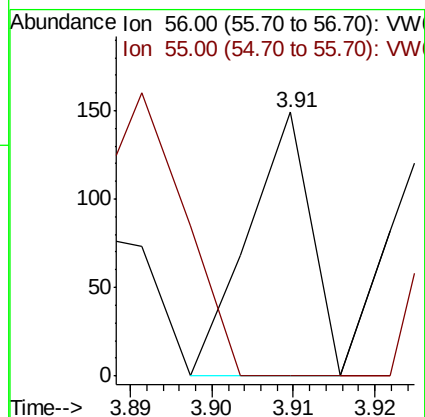
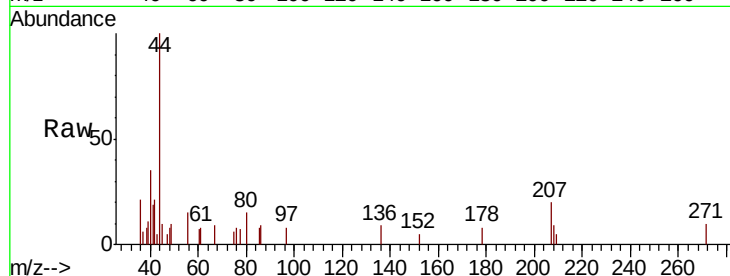
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 79

Ion Ratio Lower Upper

56 100

55 155.7 56.9 85.3#



#16

Acetone

Concen: 89.172 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008858.D

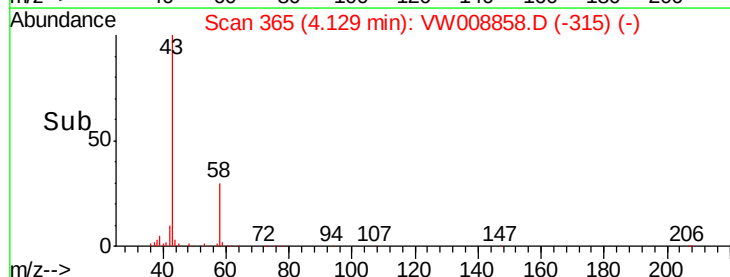
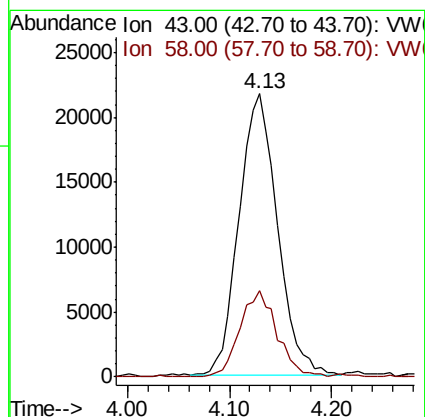
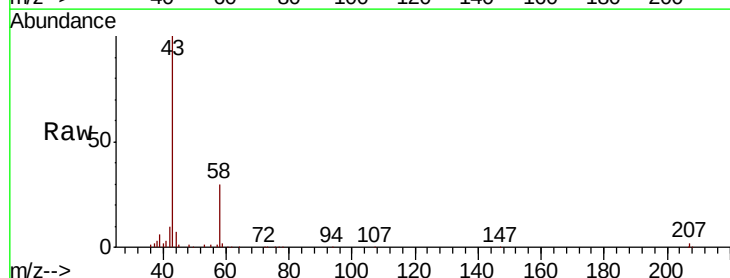
Acq: 27 Feb 2019 16:49

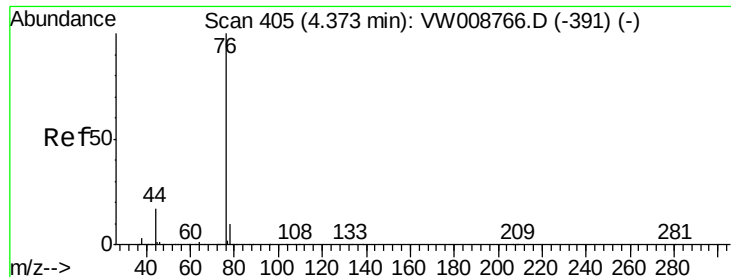
Tgt Ion: 43 Resp: 56814

Ion Ratio Lower Upper

43 100

58 30.5 23.8 35.6





#17

Carbon Disulfide

Concen: 1.411 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008858.D

Acq: 27 Feb 2019 16:49

Instrument :

MSVOA_W

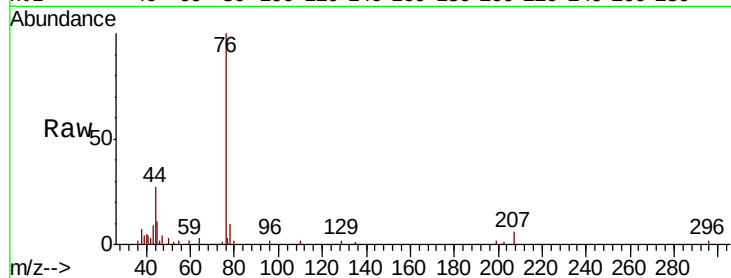
ClientSampleId :

Tot Ion: 76 Resp: 12012

Ion Ratio Lower Upper

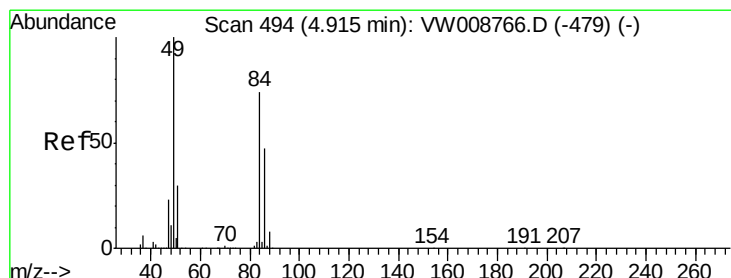
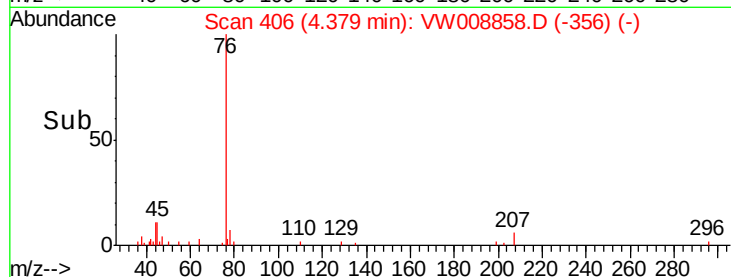
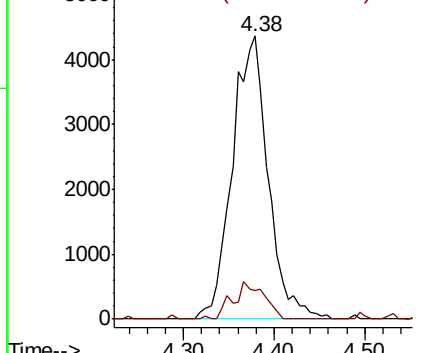
76 100

78 10.2 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 6.771 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW008858.D

Acq: 27 Feb 2019 16:49

Tgt Ion: 84 Resp: 35114

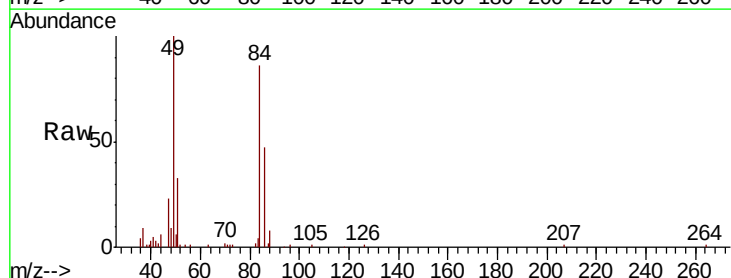
Ion Ratio Lower Upper

84 100

49 114.2 108.2 162.2

51 37.3 32.7 49.1

86 54.2 50.3 75.5

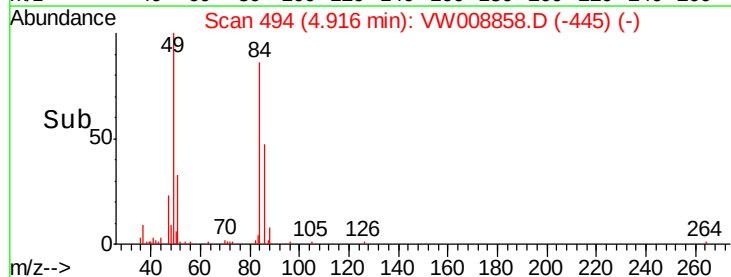
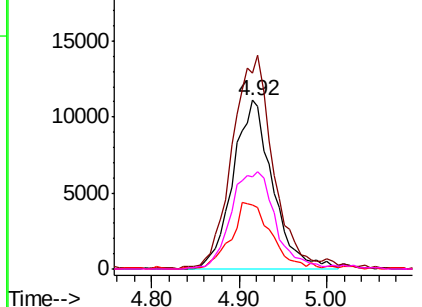


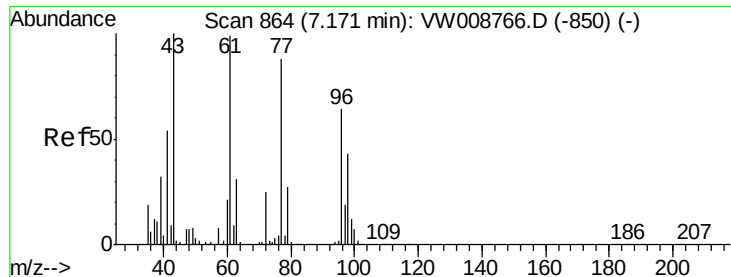
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 16.594 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW008858.D

Acq: 27 Feb 2019 16:49

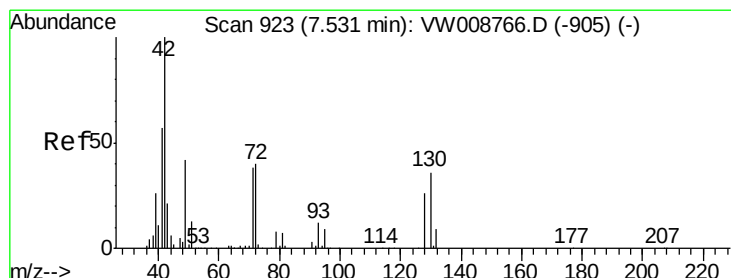
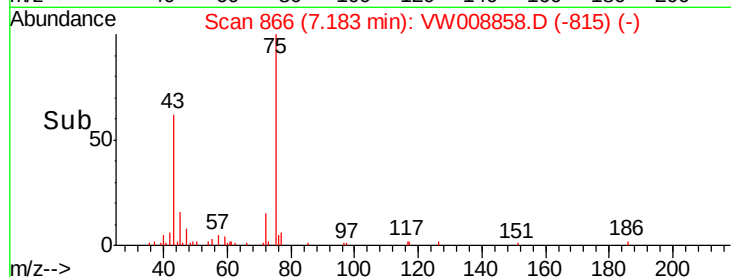
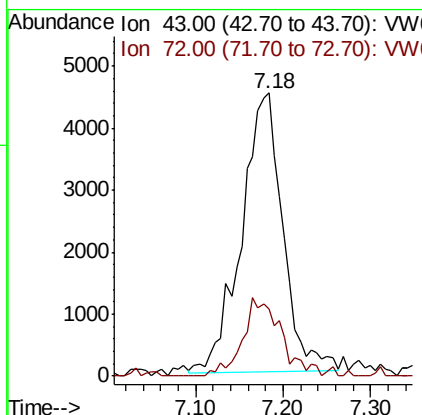
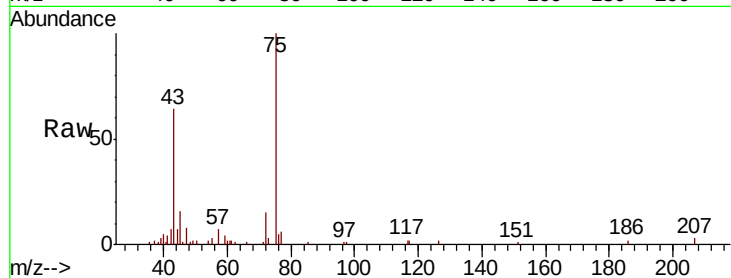
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 14781

Ion Ratio Lower Upper

43 100

72 24.1 19.7 29.5



#29

Tetrahydrofuran

Concen: 3.552 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008858.D

Acq: 27 Feb 2019 16:49

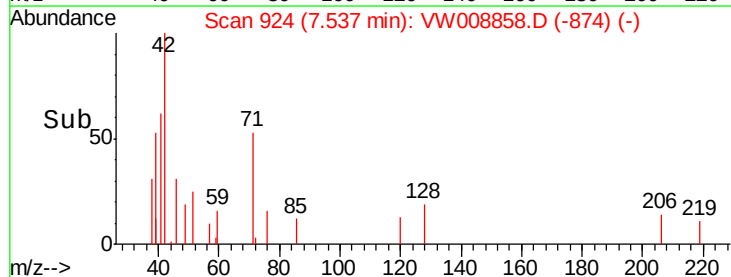
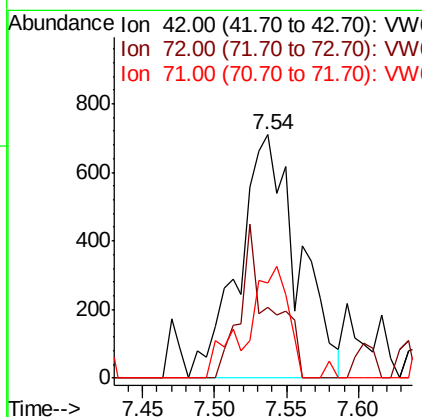
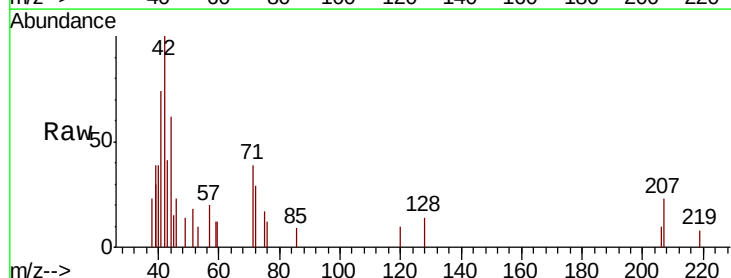
Tgt Ion: 42 Resp: 2016

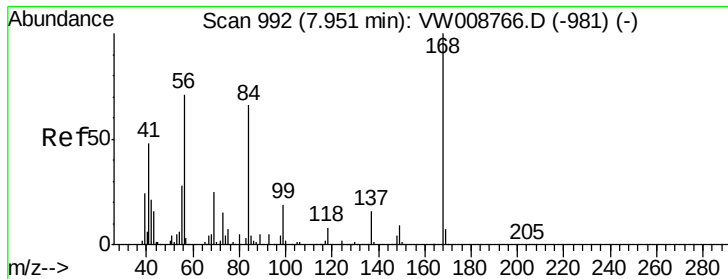
Ion Ratio Lower Upper

42 100

72 32.4 32.7 49.1#

71 32.3 31.3 46.9

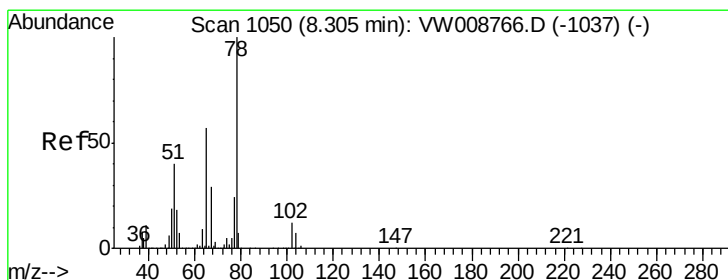
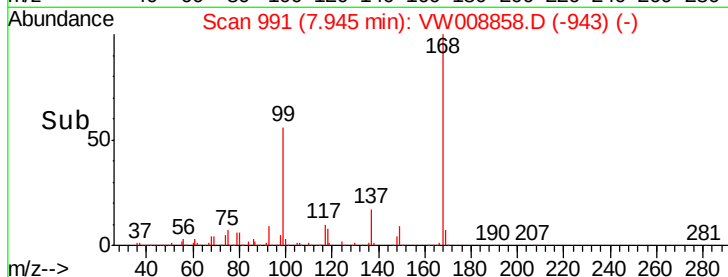
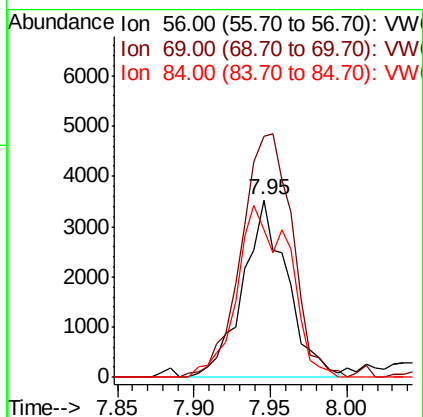
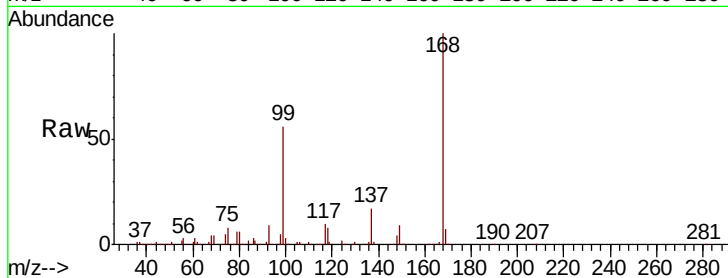




#31
Cyclohexane
Concen: 1.378 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008858.D
Acq: 27 Feb 2019 16:49

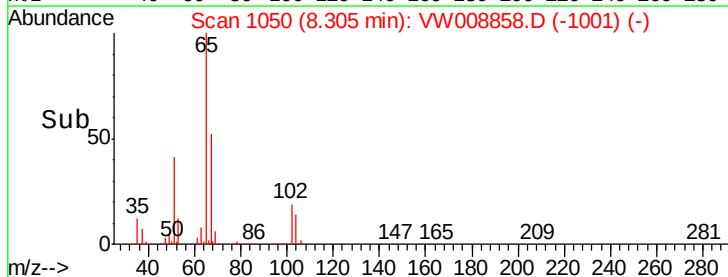
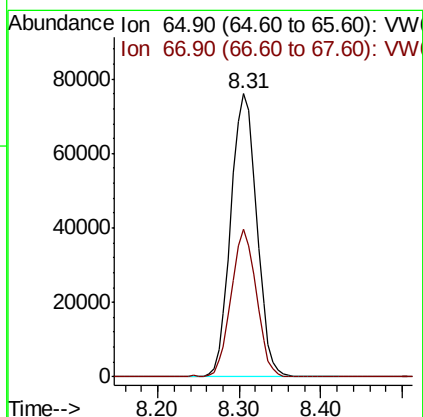
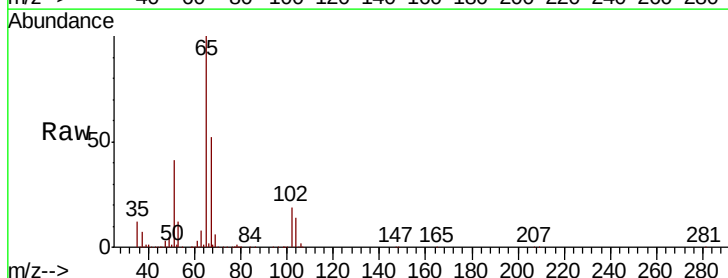
Instrument :
MSVOA_W
ClientSampleId :

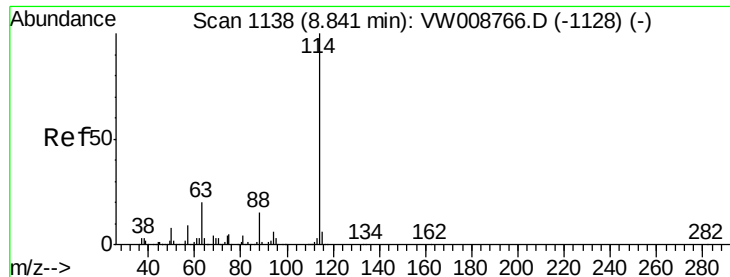
Tot Ion: 56 Resp: 7141
Ion Ratio Lower Upper
56 100
69 133.4 28.2 42.4#
84 83.2 74.1 111.1



#33
1,2-Dichloroethane-d4
Concen: 60.470 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008858.D
Acq: 27 Feb 2019 16:49

Tgt Ion: 65 Resp: 166214
Ion Ratio Lower Upper
65 100
67 50.7 0.0 101.4

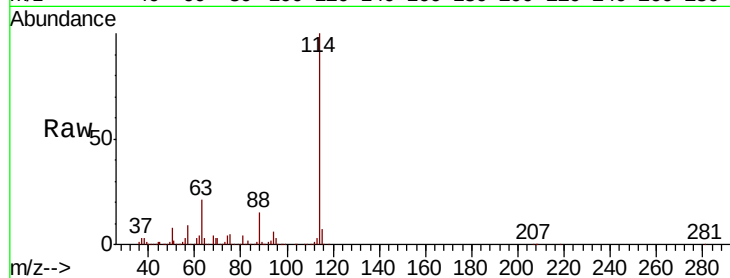




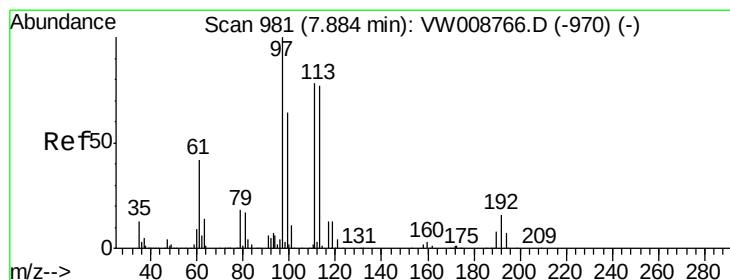
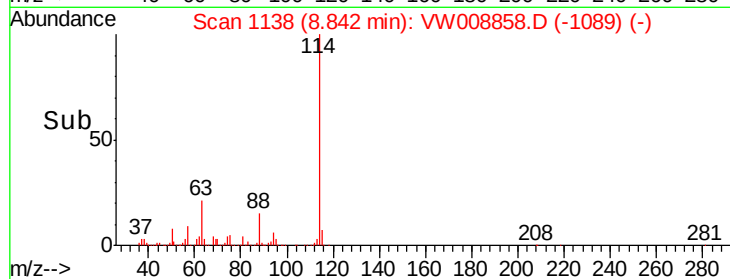
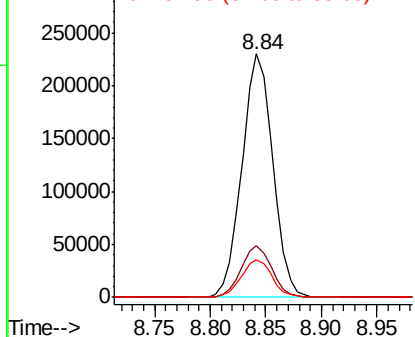
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008858.D
Acq: 27 Feb 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	40.8
88	15.4	0.0	30.4

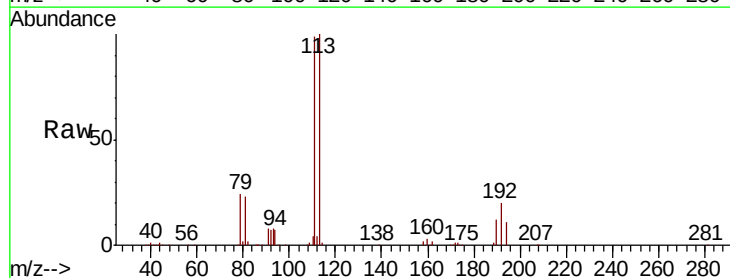


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

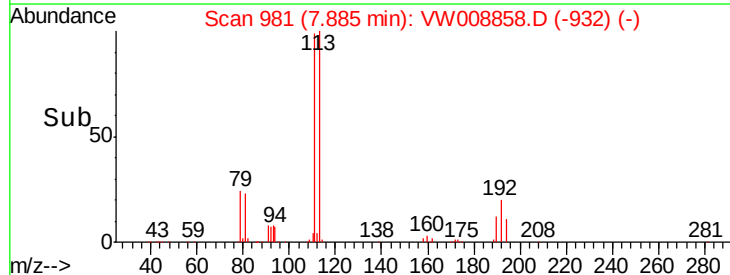
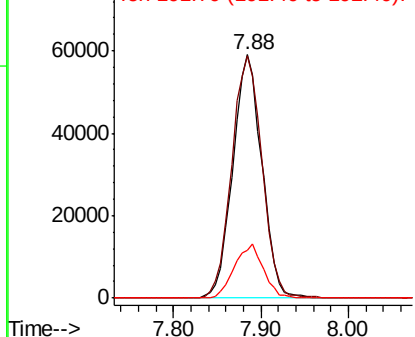


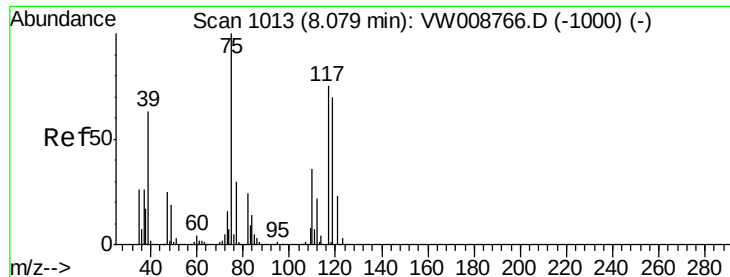
#35
Dibromofluoromethane
Concen: 51.237 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008858.D
Acq: 27 Feb 2019 16:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.9	122.9
192	22.0	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: 5.036 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008858.D

Acq: 27 Feb 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :

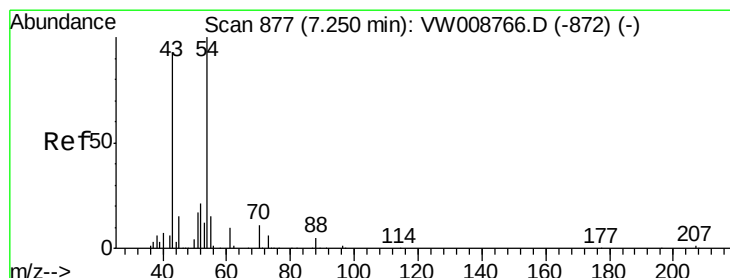
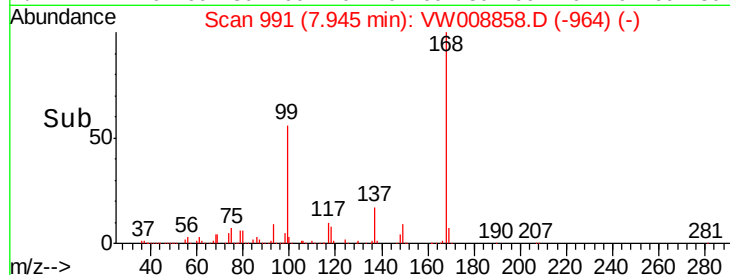
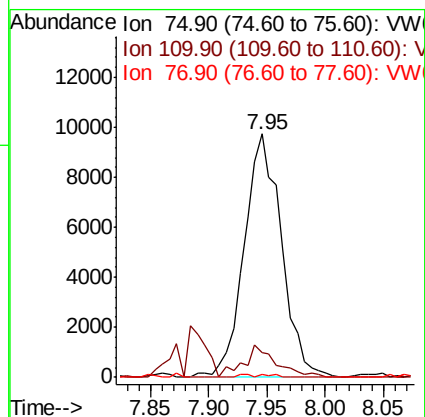
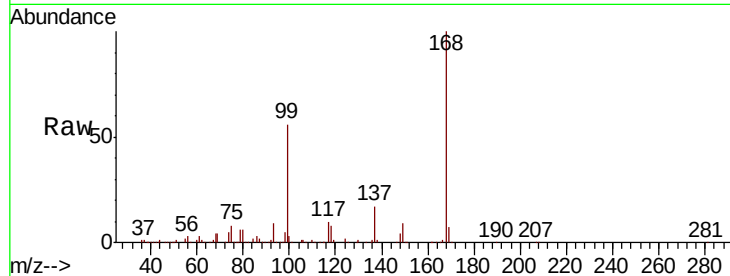
Tot Ion: 75 Resp: 21744

Ion Ratio Lower Upper

75 100

110 11.7 17.5 52.6#

77 0.5 24.5 36.7#



#37

Ethyl Acetate

Concen: 7.387 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.07 min

Lab File: VW008858.D

Acq: 27 Feb 2019 16:49

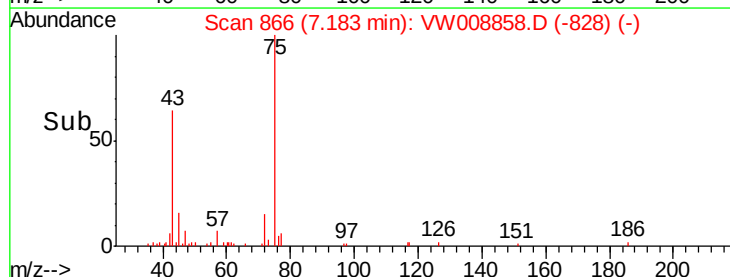
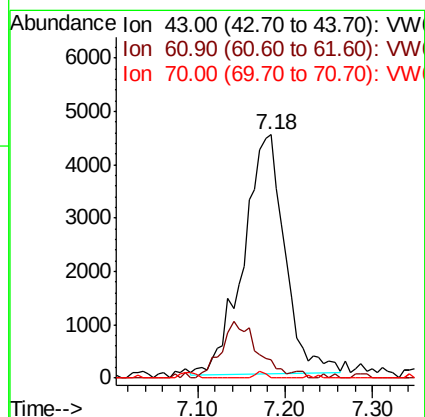
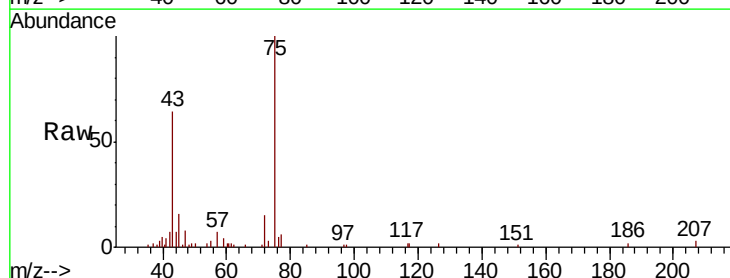
Tgt Ion: 43 Resp: 14833

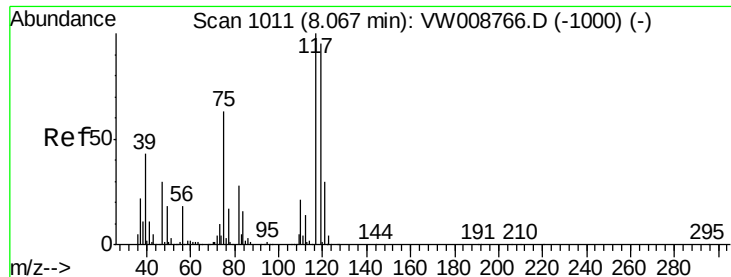
Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 0.7 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 6.047 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008858.D

Acq: 27 Feb 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

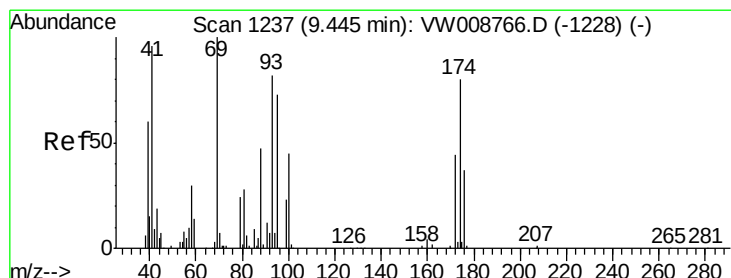
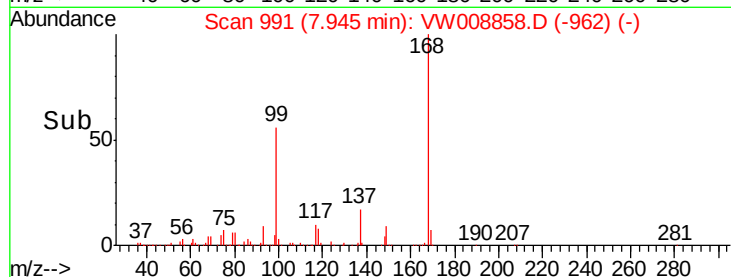
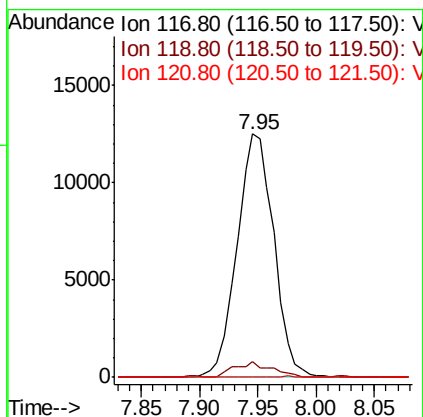
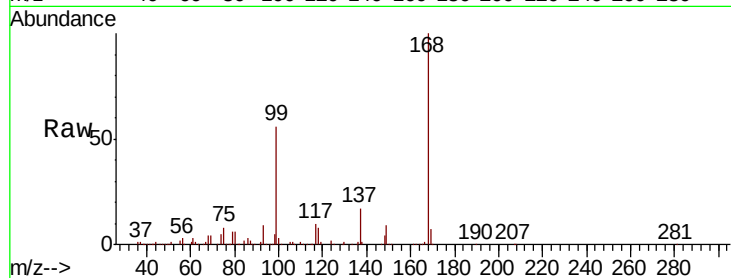
Tot Ion:117 Resp: 27538

Ion Ratio Lower Upper

117 100

119 5.7 76.1 114.1#

121 0.0 24.0 36.0#



#49

1,4-Dioxane

Concen: 2.235 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.02 min

Lab File: VW008858.D

Acq: 27 Feb 2019 16:49

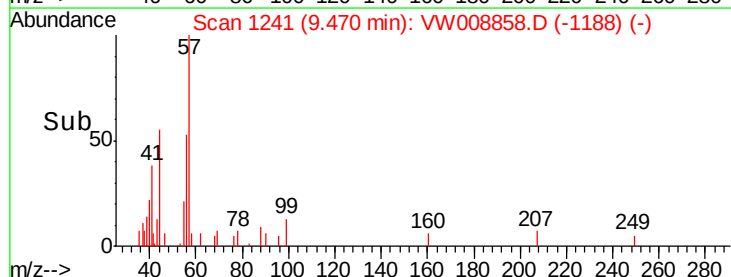
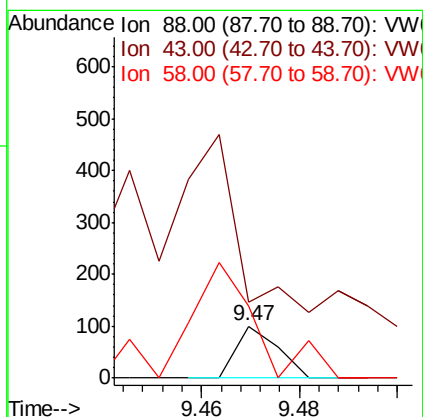
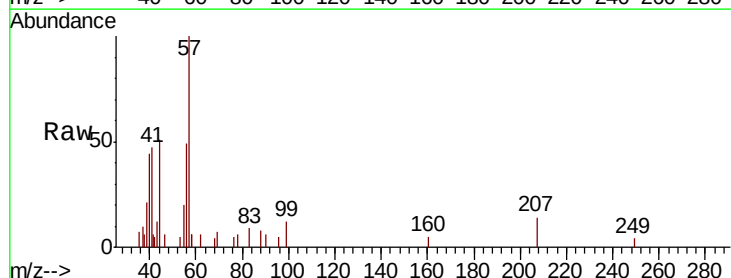
Tgt Ion: 88 Resp: 58

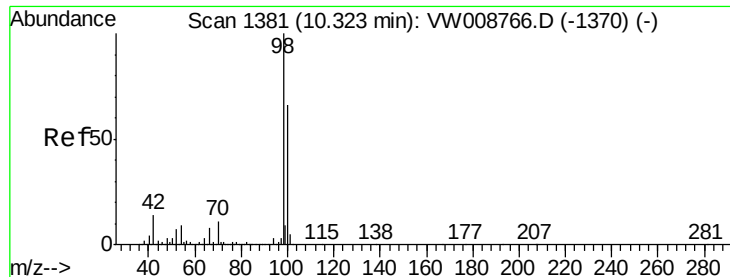
Ion Ratio Lower Upper

88 100

43 1791.4 29.0 43.4#

58 389.7 52.0 78.0#





#50

Toluene-d8

Concen: 51.234 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008858.D

Acq: 27 Feb 2019 16:49

Instrument :

MSVOA_W

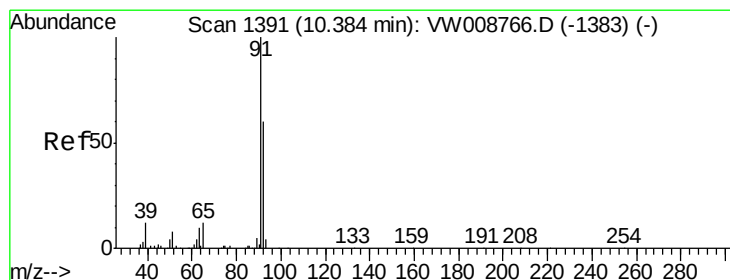
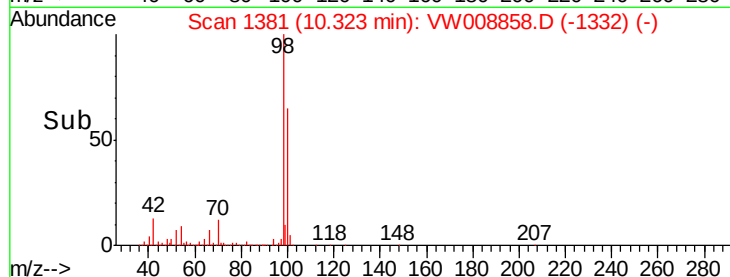
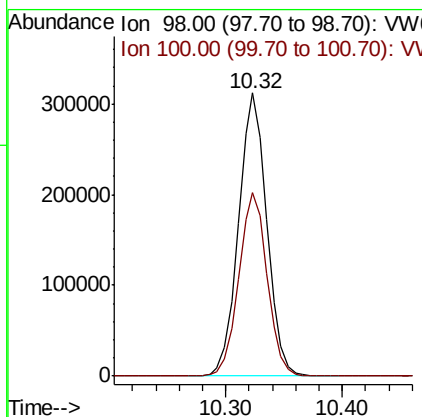
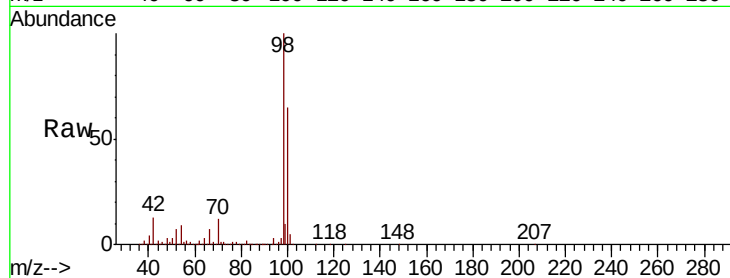
ClientSampleId :

Tot Ion: 98 Resp: 526747

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6



#52

Toluene

Concen: 1.109 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008858.D

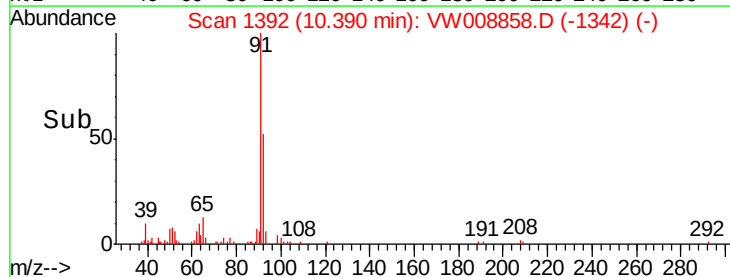
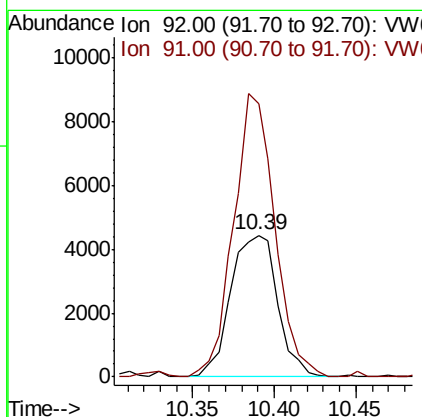
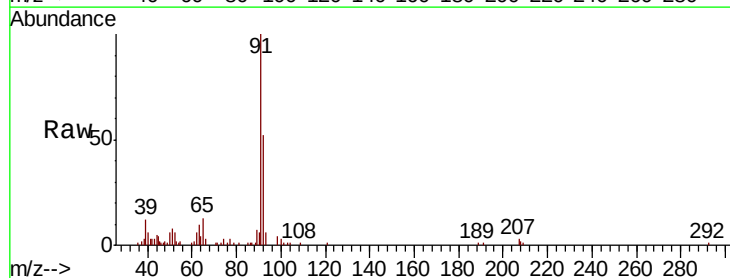
Acq: 27 Feb 2019 16:49

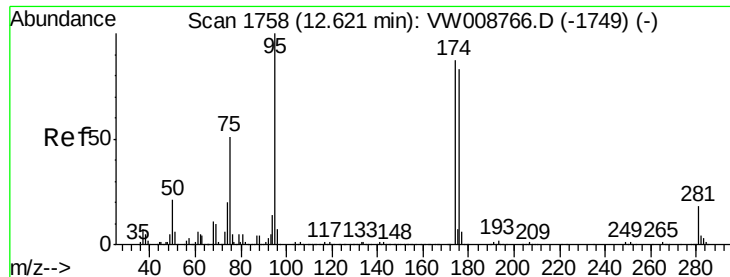
Tgt Ion: 92 Resp: 8873

Ion Ratio Lower Upper

92 100

91 176.1 136.9 205.3

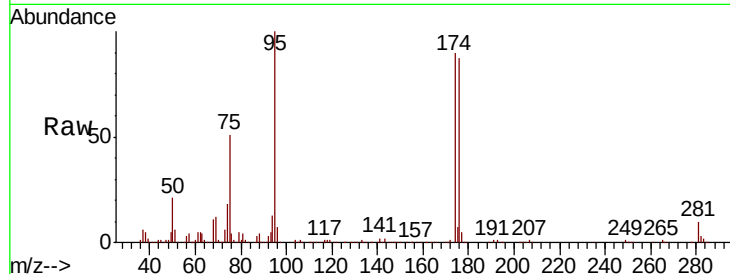




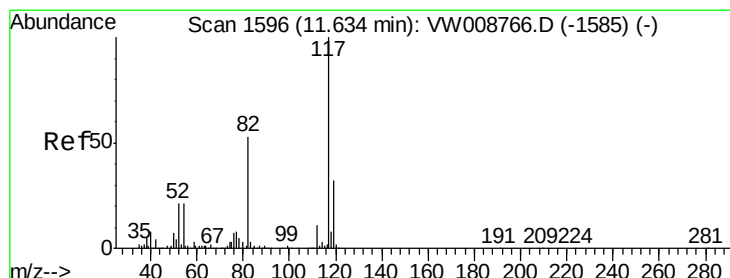
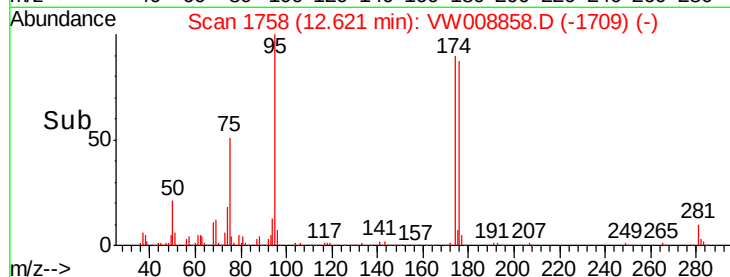
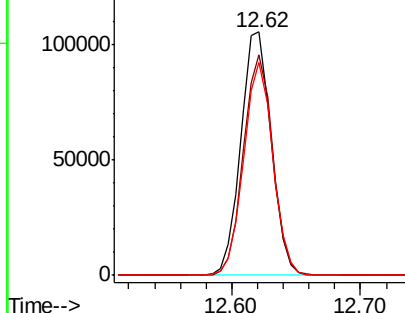
#62
4-Bromofluorobenzene
Concen: 42.726 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008858.D
Acq: 27 Feb 2019 16:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
95	100		
174	87.0	0.0	169.2
176	83.6	0.0	163.6

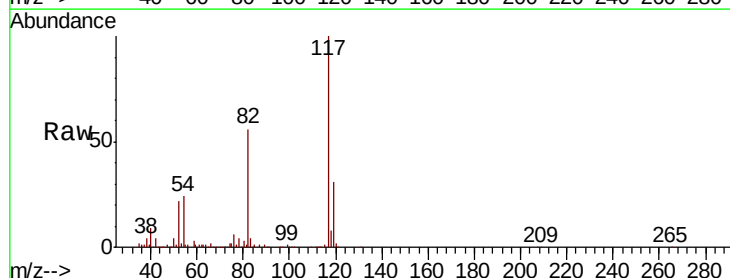


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

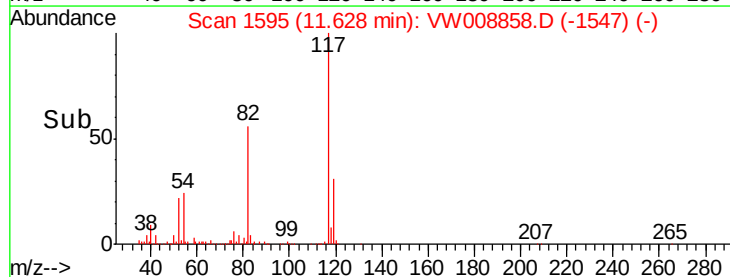
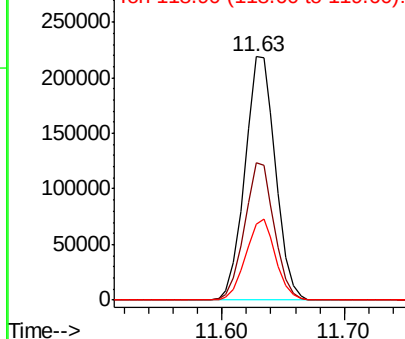


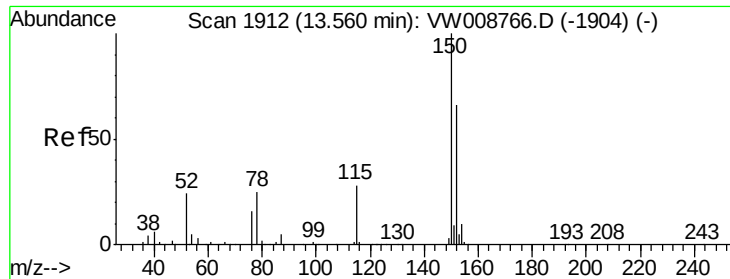
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008858.D
Acq: 27 Feb 2019 16:49

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.3	42.2	63.4
119	31.2	25.9	38.9



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



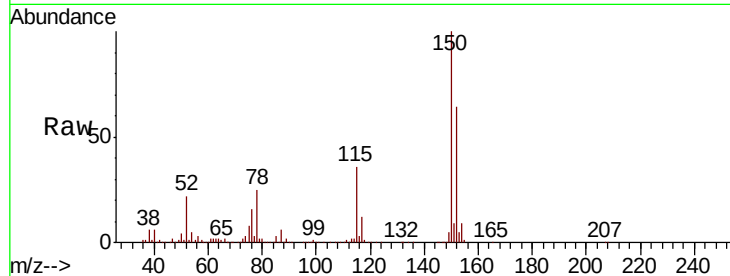


#72

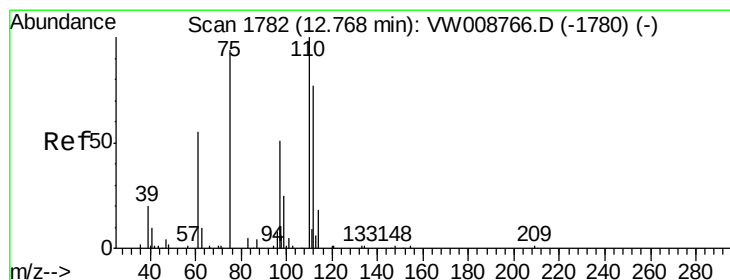
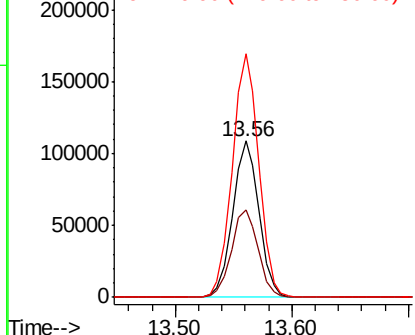
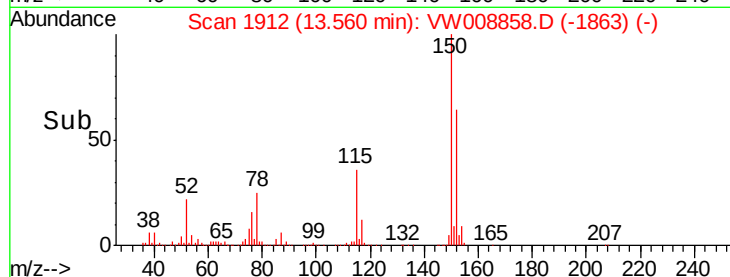
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008858.D
Acq: 27 Feb 2019 16:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 169609
Ion Ratio Lower Upper
152 100
115 57.1 28.6 85.8
150 157.3 0.0 348.0



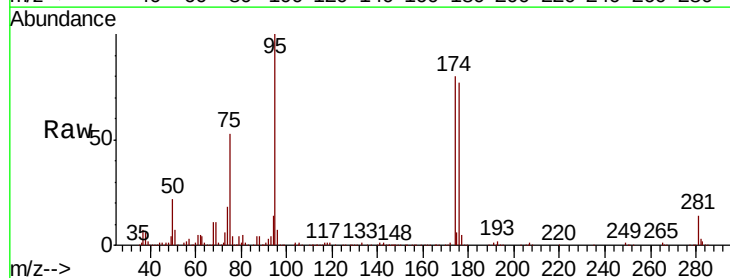
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



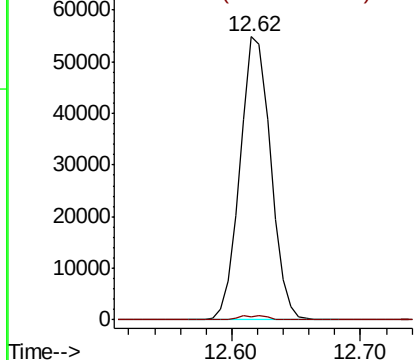
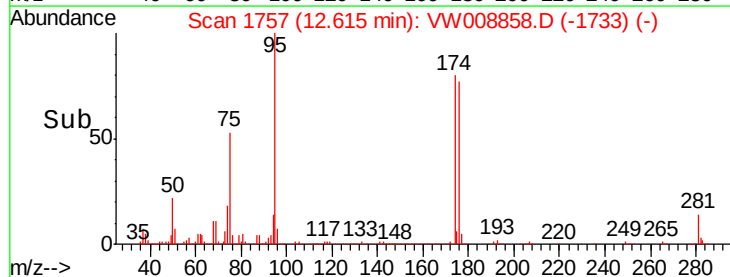
#76

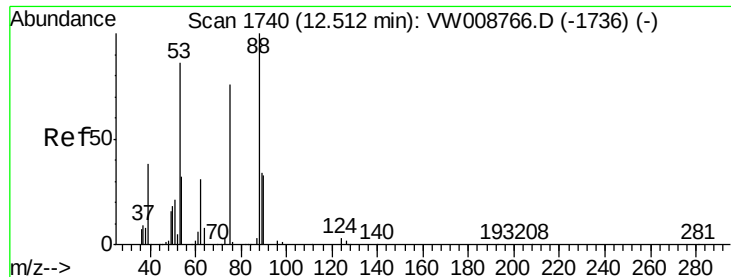
1,2,3-Trichloropropane
Concen: 64.594 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW008858.D
Acq: 27 Feb 2019 16:49

Tgt Ion: 75 Resp: 90454
Ion Ratio Lower Upper
75 100
77 1.3 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: 157.033 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008858.D

Acq: 27 Feb 2019 16:49

Instrument :

MSVOA_W

ClientSampleId :

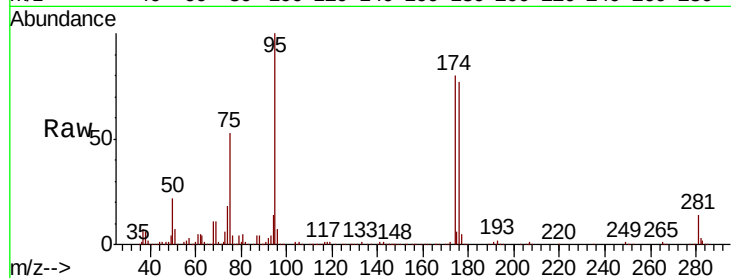
Tot Ion: 75 Resp: 90454

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.3 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

