

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102718\
 Data File : VW006386.D
 Acq On : 26 Oct 2018 03:52
 Operator : SY/AP
 Sample : J5610-07RE
 Misc : 5.08G/5ML/MSVOA W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-4(0-2)RE

Quant Time: Oct 26 07:24:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	37602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	55698	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	42384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	14540	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	22076	70.82	ug/l	0.00
Spiked Amount						
				Recovery	=	141.64%
35) Dibromofluoromethane	7.88	113	18687	56.78	ug/l	0.00
Spiked Amount						
				Recovery	=	113.56%
50) Toluene-d8	10.33	98	57660	46.05	ug/l	0.00
Spiked Amount						
				Recovery	=	92.10%
62) 4-Bromofluorobenzene	12.62	95	15716	33.42	ug/l	0.00
Spiked Amount						
				Recovery	=	66.84%

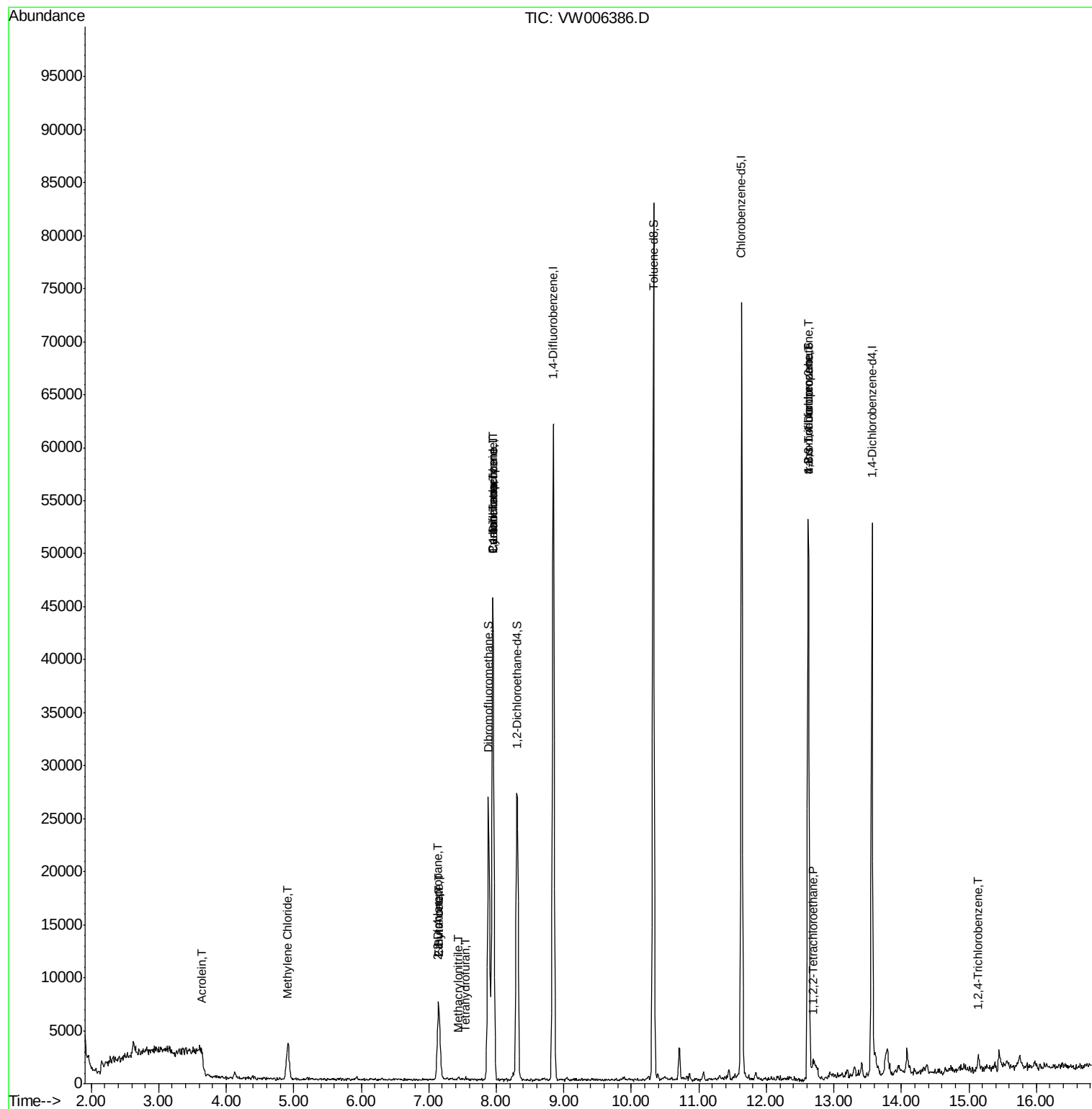
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.64	56	66	3.253	ug/l #	16
16) Acetone	4.12	43	863	Below Cal	#	88
20) Methylene Chloride	4.92	84	2755	6.951	ug/l #	75
25) 2-Butanone	7.15	43	417	4.952	ug/l #	46
26) 2,2-Dichloropropane	7.13	77	603	1.493	ug/l #	51
29) Tetrahydrofuran	7.54	42	60	1.159	ug/l #	31
31) Cyclohexane	7.95	56	655	1.148	ug/l #	12
36) 1,1-Dichloropropene	7.95	75	2513	4.895	ug/l #	45
37) Ethyl Acetate	7.15	43	417	2.186	ug/l #	14
38) Carbon Tetrachloride	7.95	117	3410	6.059	ug/l #	17
41) Methacrylonitrile	7.43	41	122	1.061	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.69	83	268	1.715	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	7768	69.946	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	7768	167.199	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.14	180	512	1.490	ug/l	96

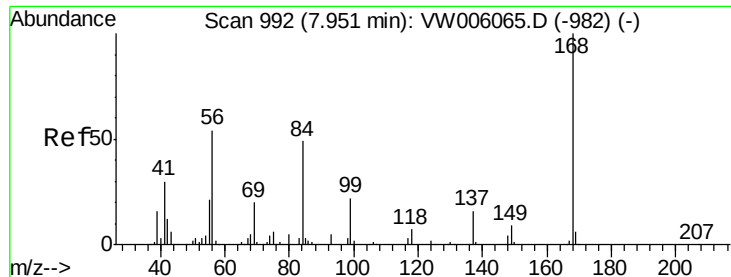
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006386.D

Acq: 26 Oct 2018 03:52

Instrument :

MSVOA_W

ClientSampled :

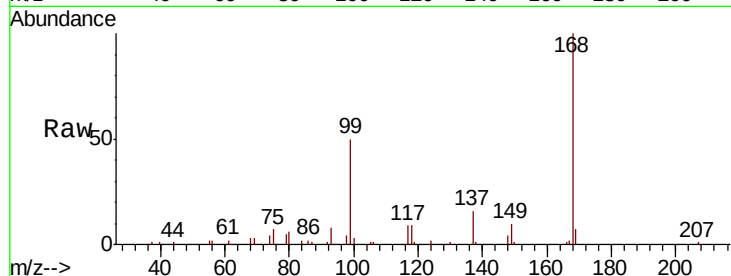
SB-4(0-2)RE

Tot Ion:168 Resp: 37602

Ion Ratio Lower Upper

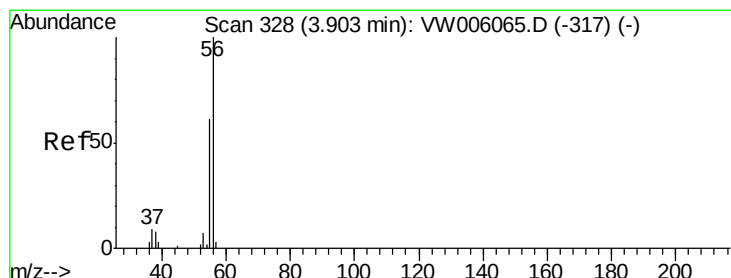
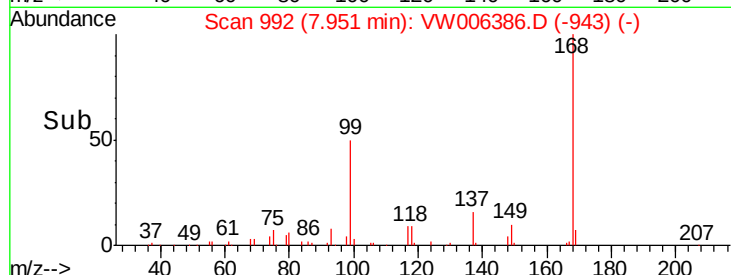
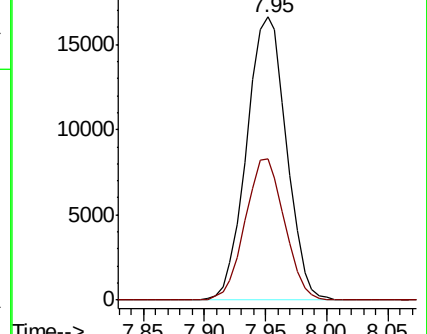
168 100

99 50.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: 3.253 ug/l

RT: 3.64 min Scan# 284

Delta R.T. -0.27 min

Lab File: VW006386.D

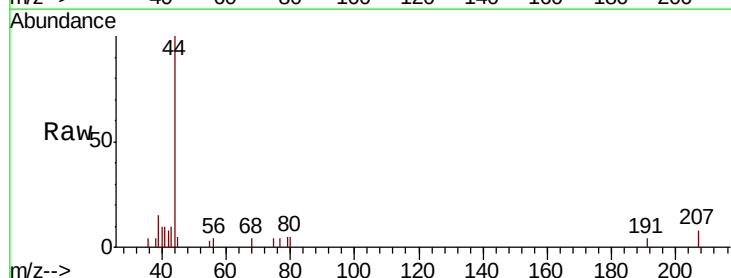
Acq: 26 Oct 2018 03:52

Tgt Ion: 56 Resp: 66

Ion Ratio Lower Upper

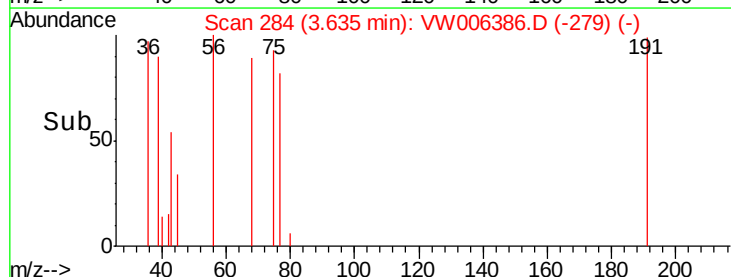
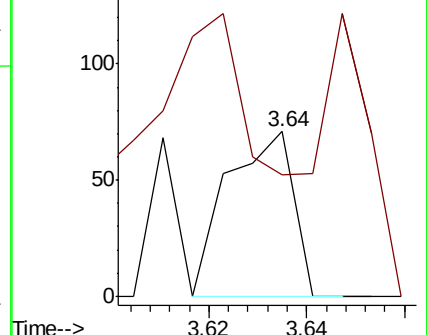
56 100

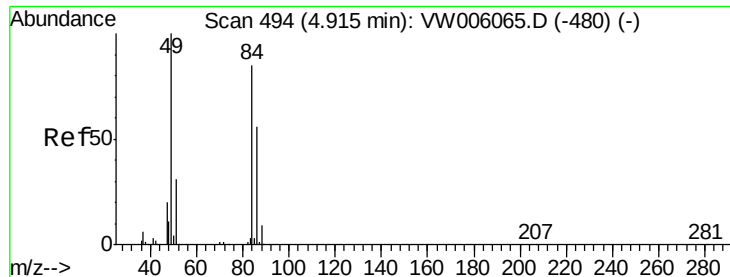
55 136.4 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

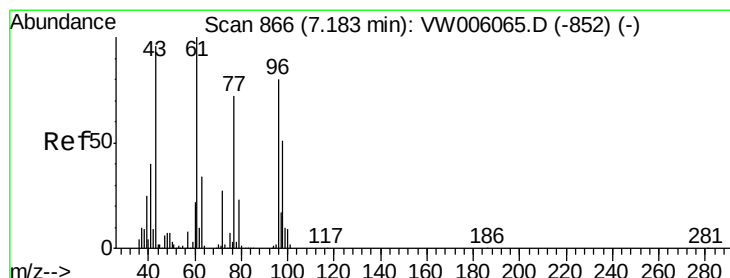
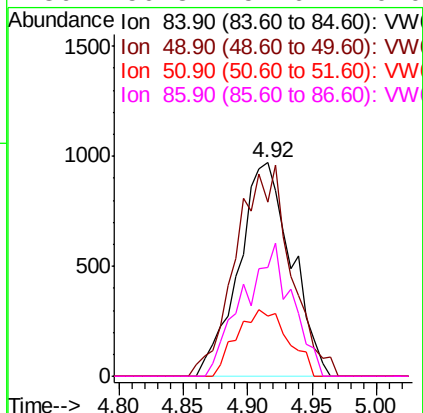
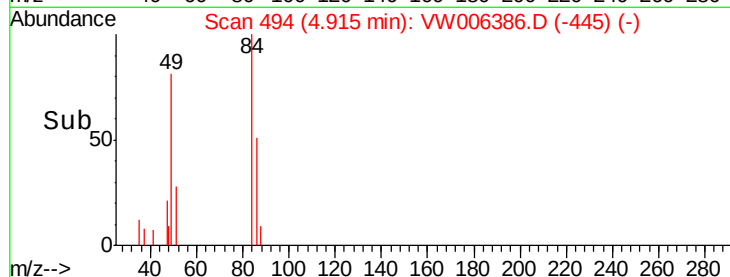
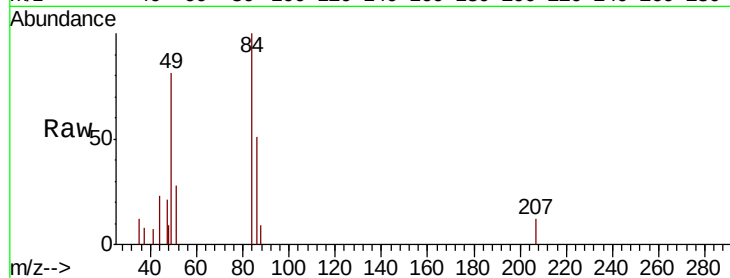




#20
Methylene Chloride
Concen: 6.951 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006386.D
Acq: 26 Oct 2018 03:52

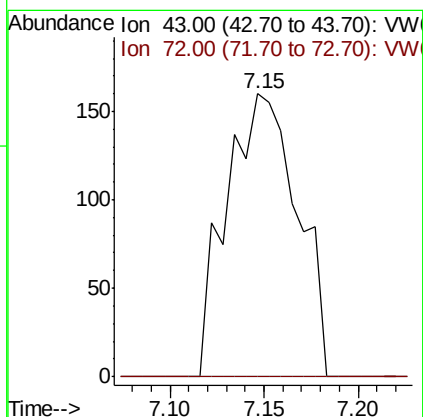
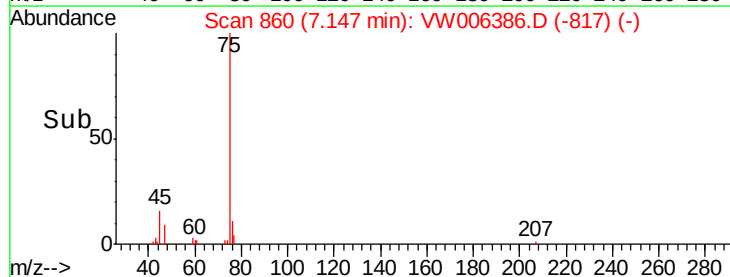
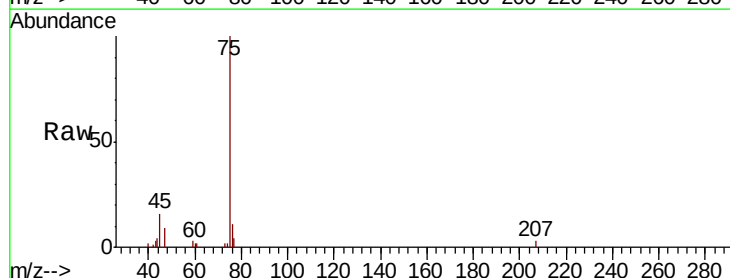
Instrument :
MSVOA_W
ClientSampled :
SB-4(0-2)RE

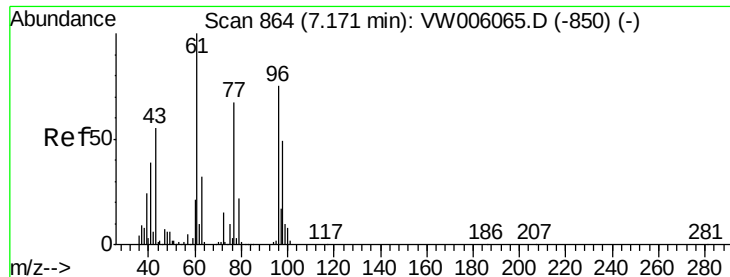
Tot Ion: 84 Resp: 2755
Ion Ratio Lower Upper
84 100
49 81.3 93.6 140.4#
51 28.2 29.0 43.4#
86 50.8 52.6 79.0#



#25
2-Butanone
Concen: 4.952 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.04 min
Lab File: VW006386.D
Acq: 26 Oct 2018 03:52

Tgt Ion: 43 Resp: 417
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#





#26

2,2-Dichloropropane

Concen: 1.493 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW006386.D

Acq: 26 Oct 2018 03:52

Instrument :

MSVOA_W

ClientSampled :

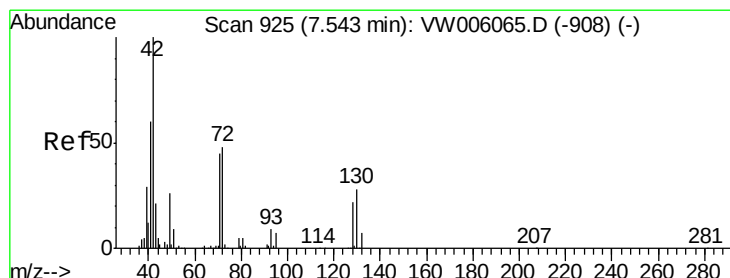
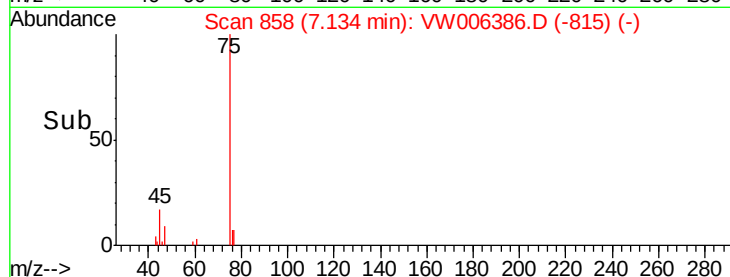
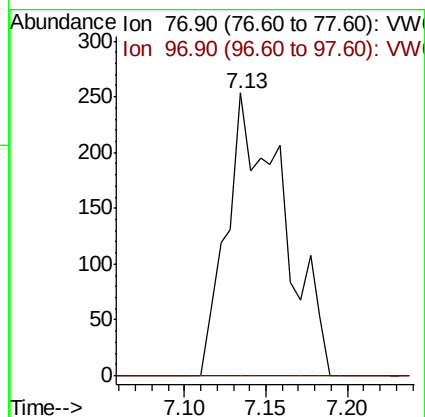
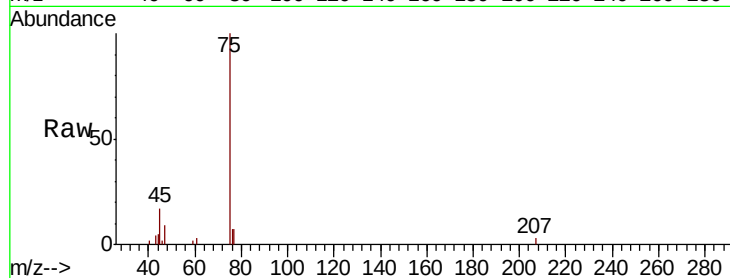
SB-4(0-2)RE

Tot Ion: 77 Resp: 603

Ion Ratio Lower Upper

77 100

97 0.0 12.2 36.4#



#29

Tetrahydrofuran

Concen: 1.159 ug/l

RT: 7.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: VW006386.D

Acq: 26 Oct 2018 03:52

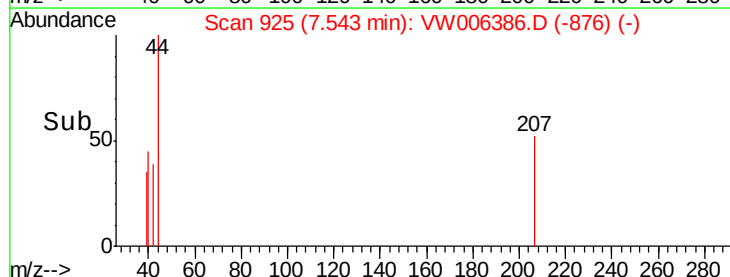
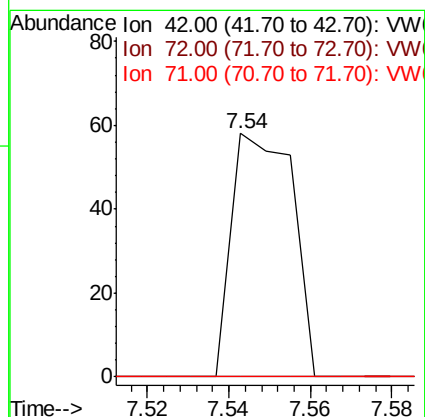
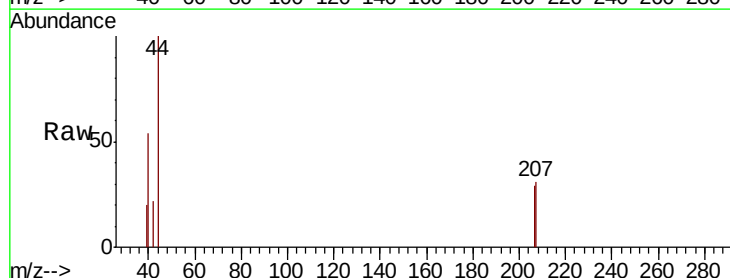
Tgt Ion: 42 Resp: 60

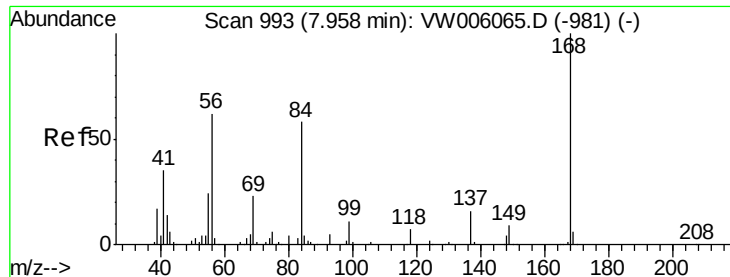
Ion Ratio Lower Upper

42 100

72 0.0 38.0 57.0#

71 0.0 35.3 52.9#

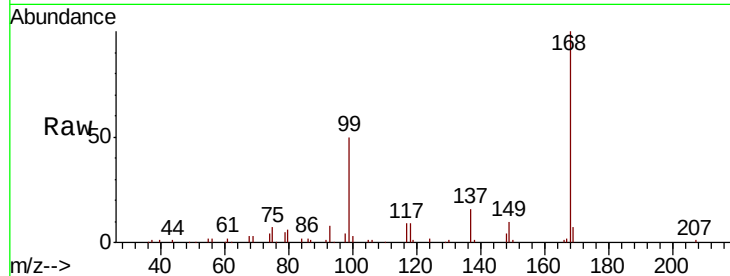




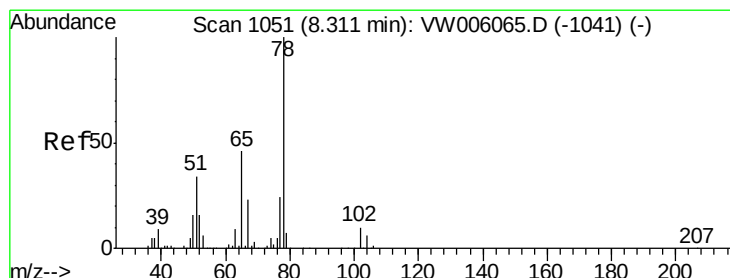
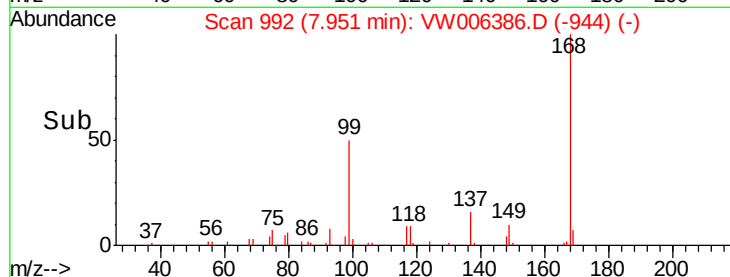
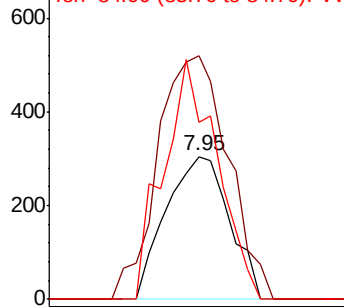
#31
Cyclohexane
Concen: 1.148 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006386.D
Acq: 26 Oct 2018 03:52

Instrument :
MSVOA_W
ClientSampleId :
SB-4(0-2)RE

Tot Ion: 56 Resp: 655
Ion Ratio Lower Upper
56 100
69 170.7 29.4 44.0#
84 124.3 74.0 111.0#

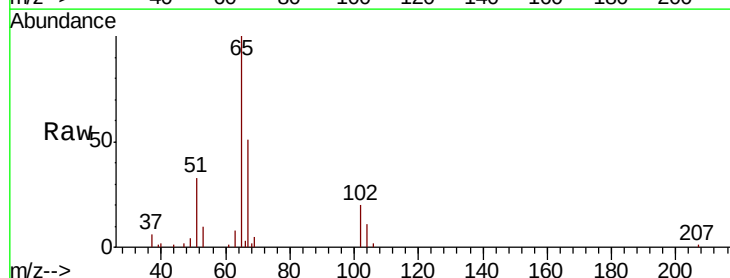


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

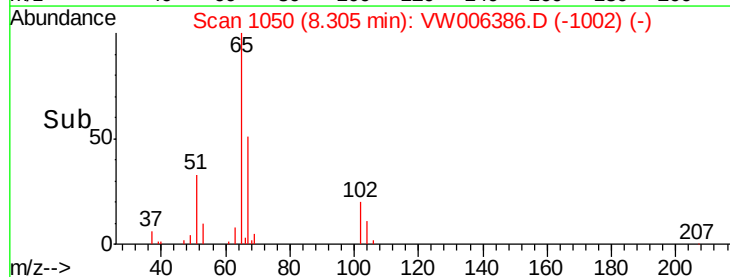
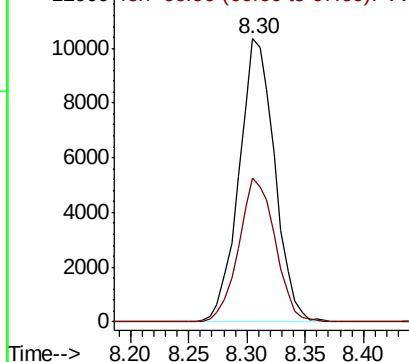


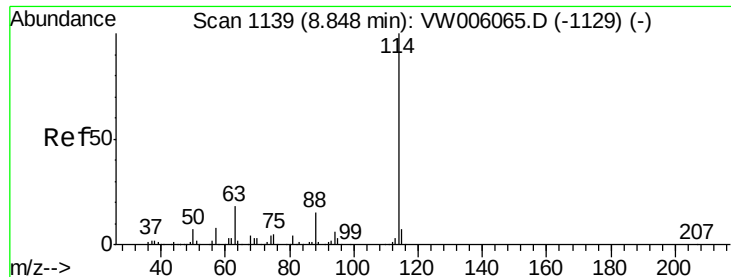
#33
1,2-Dichloroethane-d4
Concen: 70.815 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VW006386.D
Acq: 26 Oct 2018 03:52

Tgt Ion: 65 Resp: 22076
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.0



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

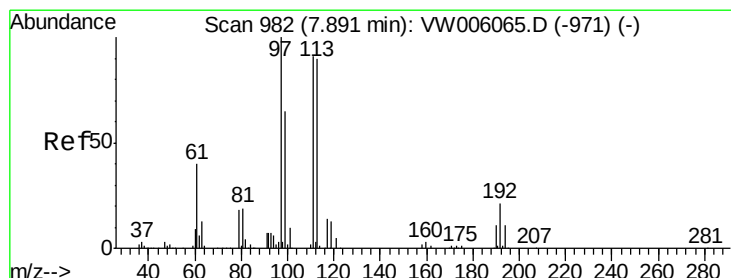
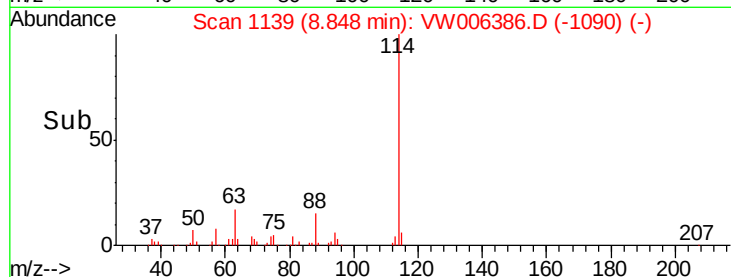
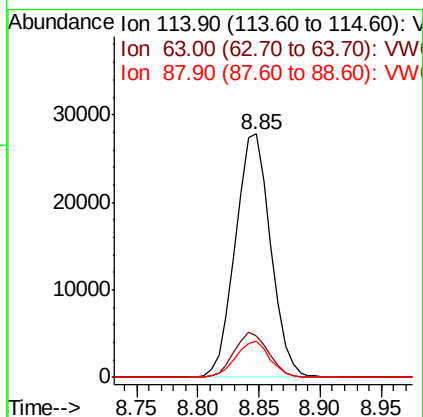
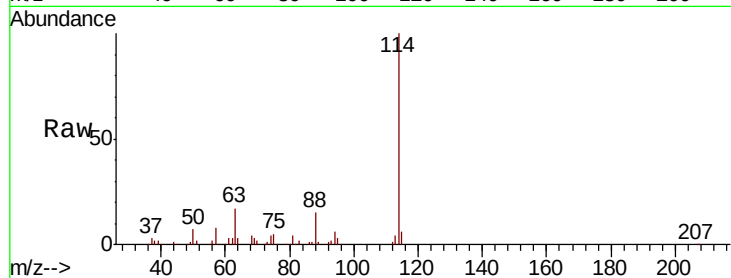




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006386.D
 Acq: 26 Oct 2018 03:52

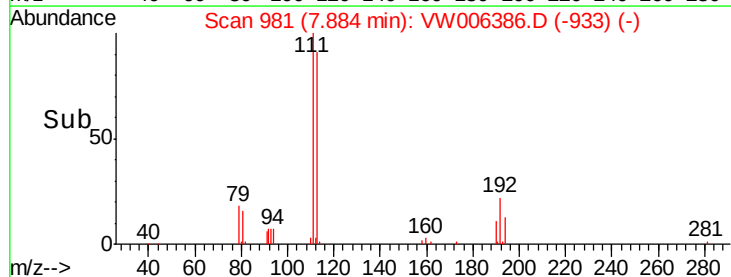
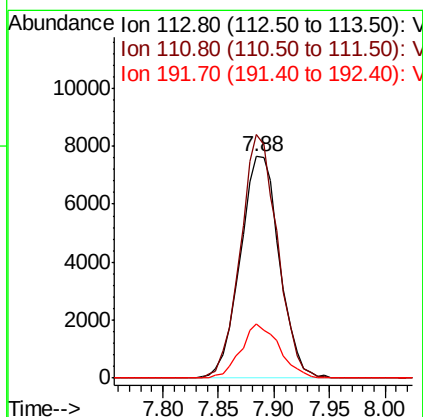
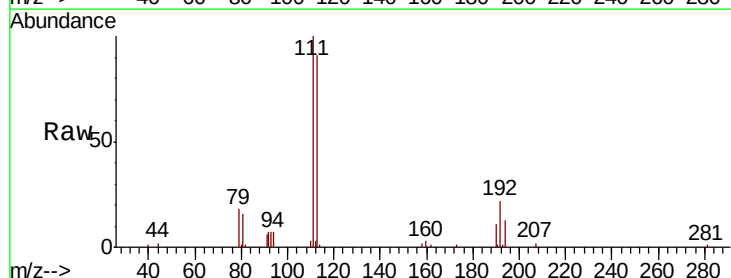
Instrument :
 MSVOA_W
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 SB-4(0-2)RE

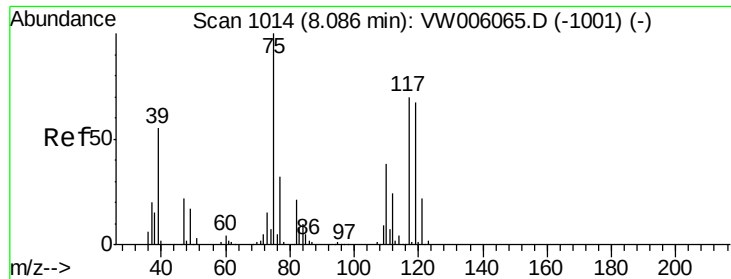
Tot Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	36.8
88	15.0	0.0	29.0



#35
 Dibromofluoromethane
 Concen: 56.779 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006386.D
 Acq: 26 Oct 2018 03:52

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.4	122.0
192	24.2	18.7	28.1

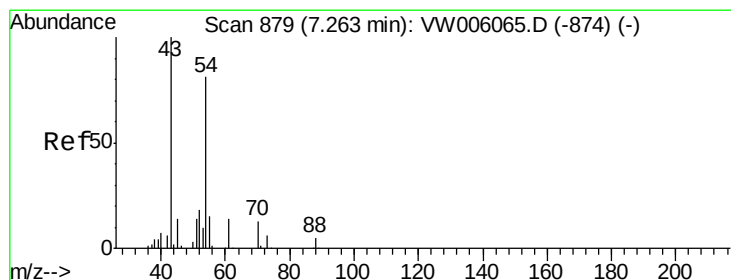
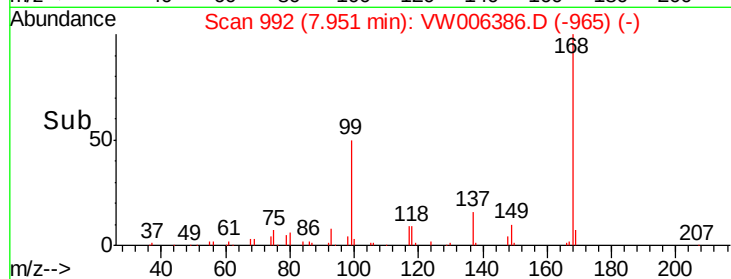
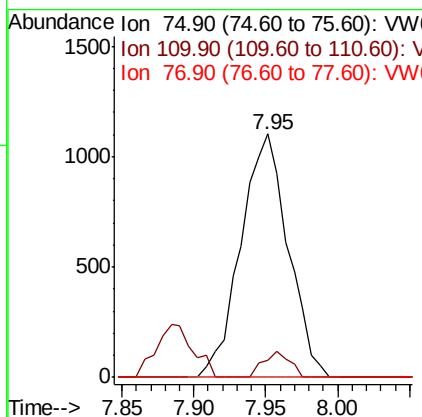
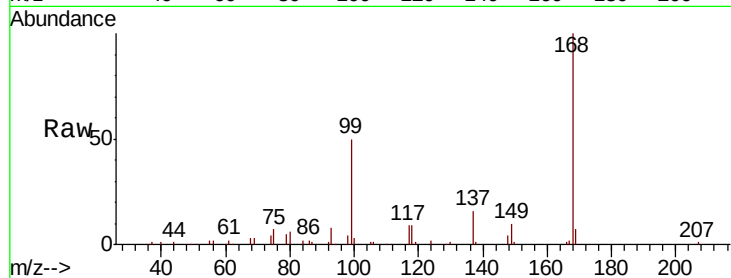




#36
 1,1-Dichloropropene
 Concen: 4.895 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006386.D
 Acq: 26 Oct 2018 03:52

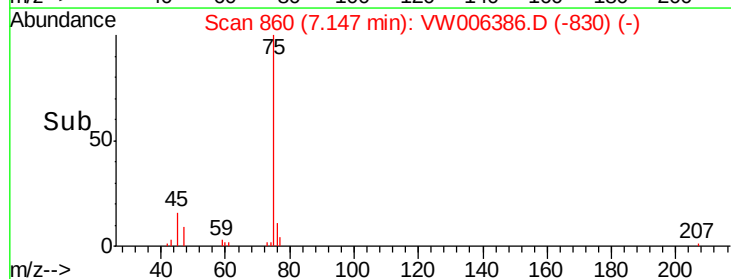
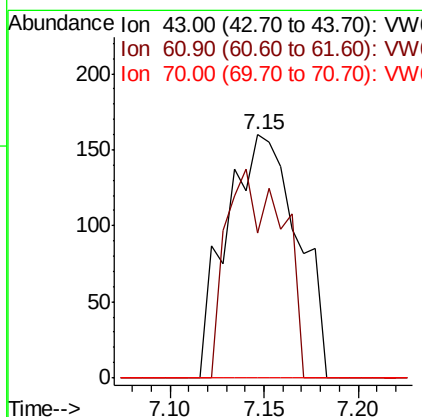
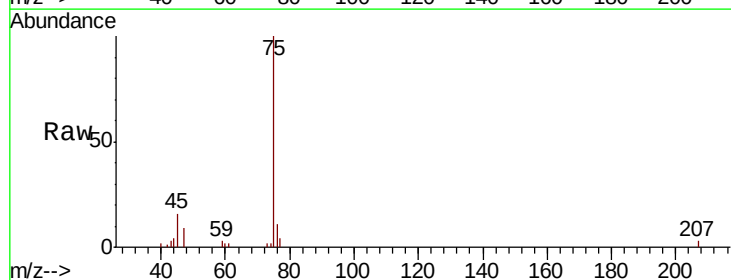
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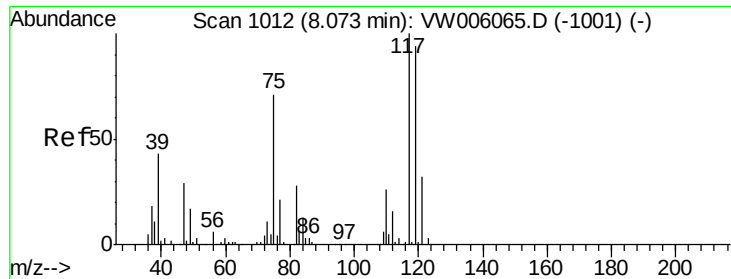
Tot Ion: 75 Resp: 2513
 Ion Ratio Lower Upper
 75 100
 110 5.9 19.1 57.1#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 2.186 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.12 min
 Lab File: VW006386.D
 Acq: 26 Oct 2018 03:52

Tgt Ion: 43 Resp: 417
 Ion Ratio Lower Upper
 43 100
 61 68.3 11.5 17.3#
 70 0.0 9.2 13.8#





#38

Carbon Tetrachloride

Concen: 6.059 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006386.D

Acq: 26 Oct 2018 03:52

Instrument :

MSVOA_W

ClientSampleId :

SB-4(0-2)RE

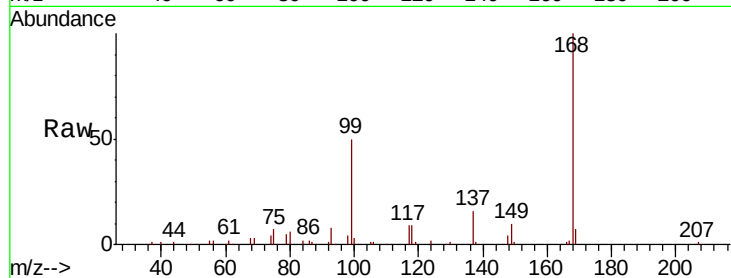
Tot Ion:117 Resp: 3410

Ion Ratio Lower Upper

117 100

119 5.3 75.2 112.8#

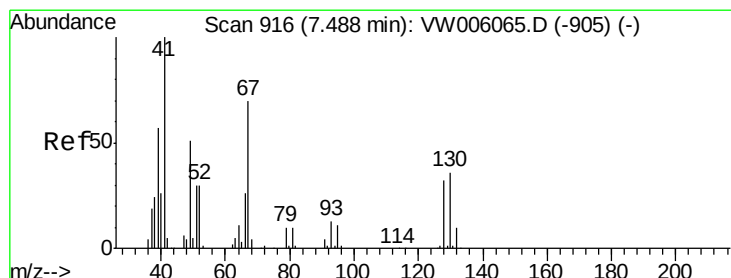
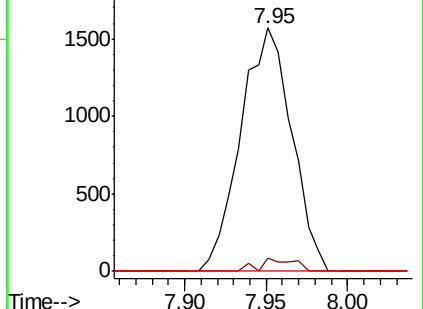
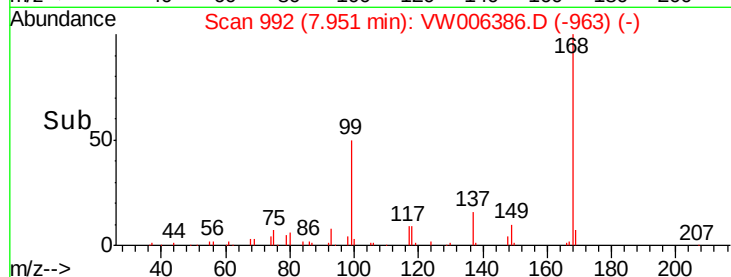
121 0.0 25.3 37.9#



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



#41

Methacrylonitrile

Concen: 1.061 ug/l

RT: 7.43 min Scan# 907

Delta R.T. -0.06 min

Lab File: VW006386.D

Acq: 26 Oct 2018 03:52

Tgt Ion: 41 Resp: 122

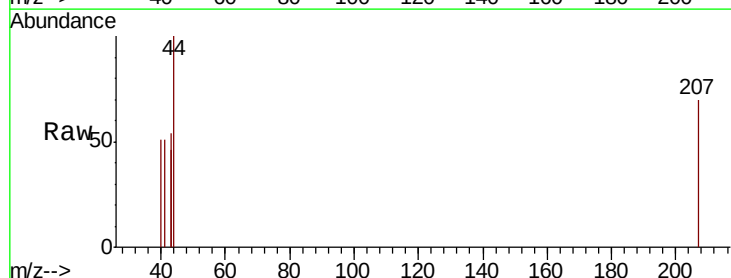
Ion Ratio Lower Upper

41 100

39 50.0 46.2 69.4

67 0.0 57.7 86.5#

52 0.0 24.7 37.1#

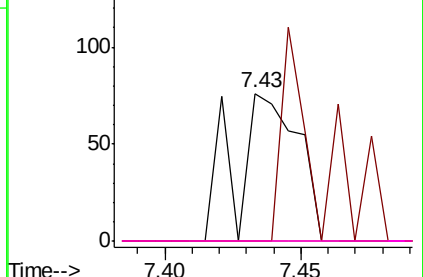
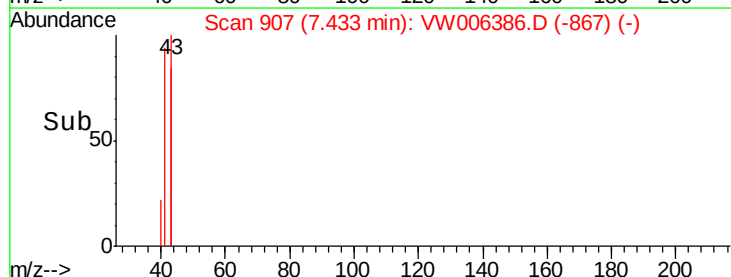


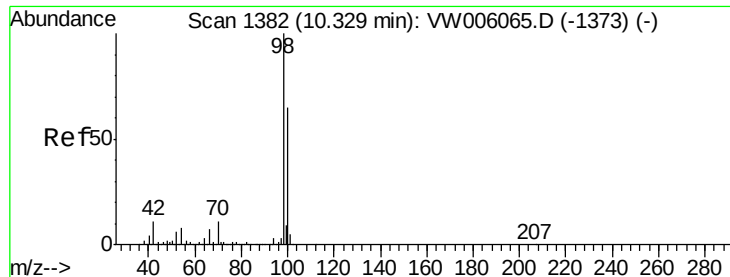
Abundance Ion 41.00 (40.70 to 41.70): VW

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





#50

Toluene-d8

Concen: 46.050 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006386.D

Acq: 26 Oct 2018 03:52

Instrument :

MSVOA_W

ClientSampleId :

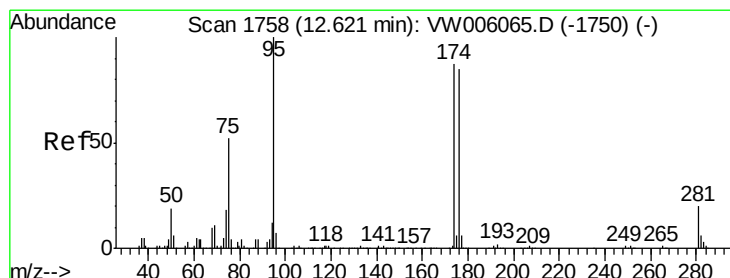
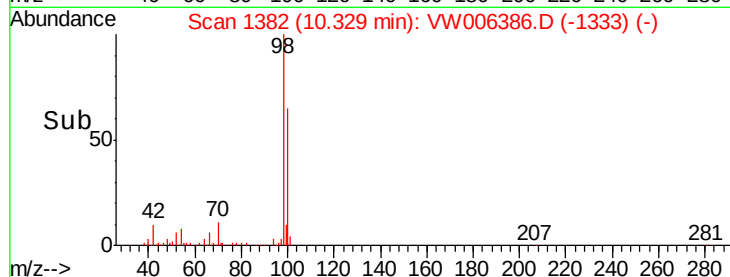
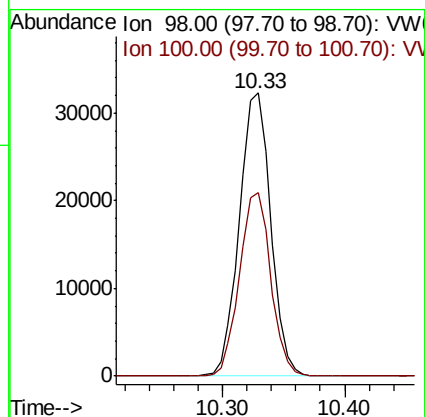
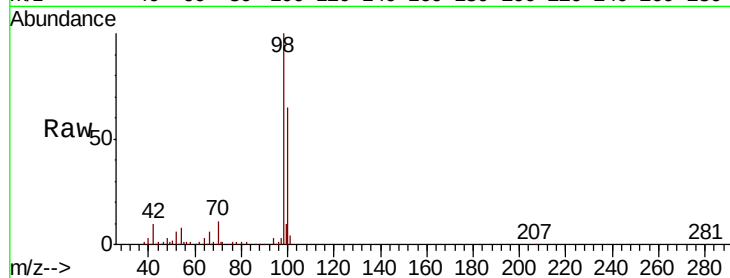
SB-4(0-2)RE

Tot Ion: 98 Resp: 57660

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 33.418 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006386.D

Acq: 26 Oct 2018 03:52

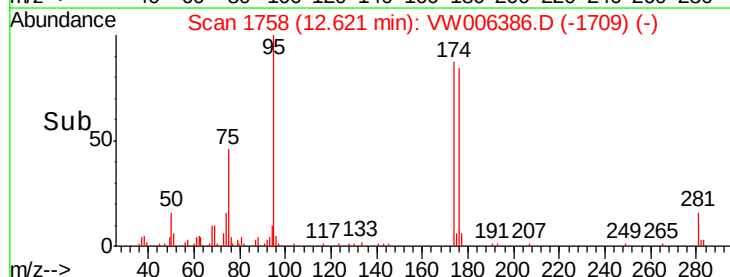
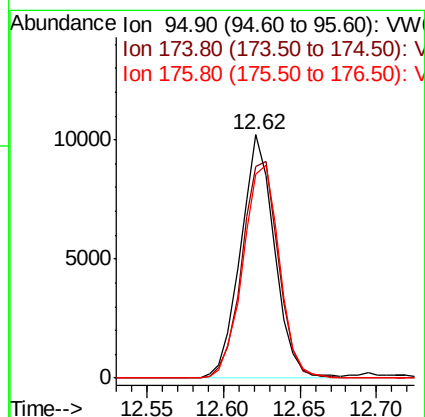
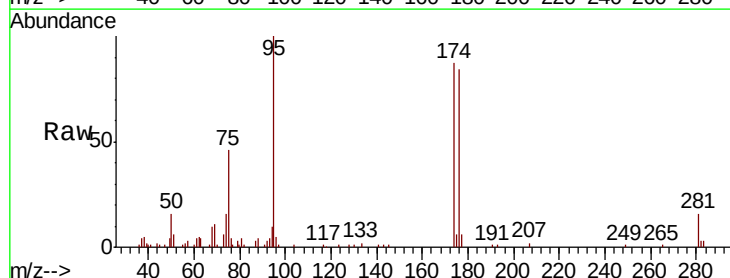
Tgt Ion: 95 Resp: 15716

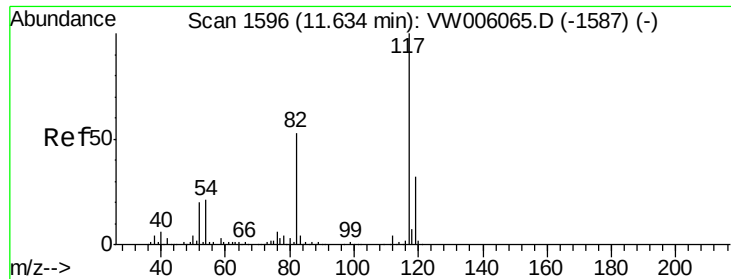
Ion Ratio Lower Upper

95 100

174 95.4 0.0 186.0

176 94.3 0.0 181.6

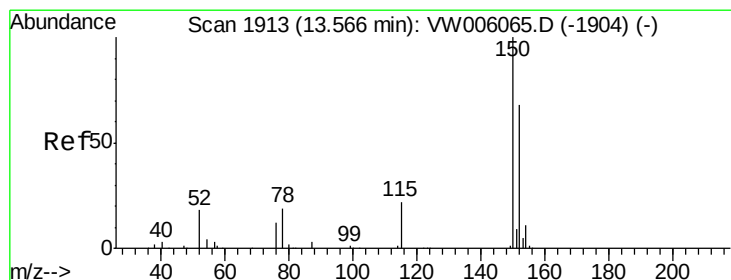
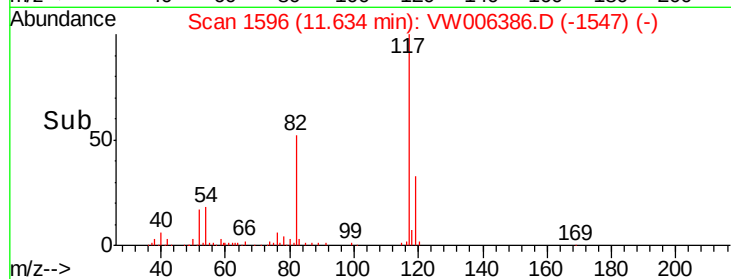
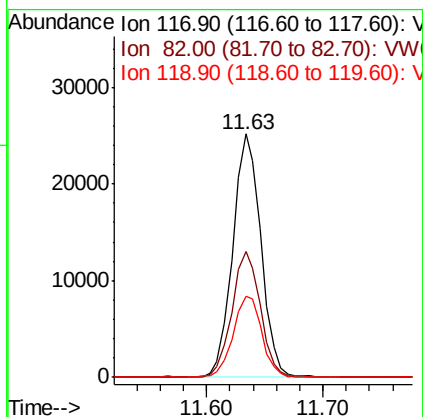
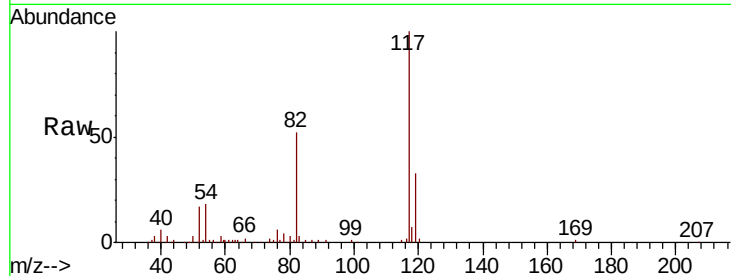




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006386.D
Acq: 26 Oct 2018 03:52

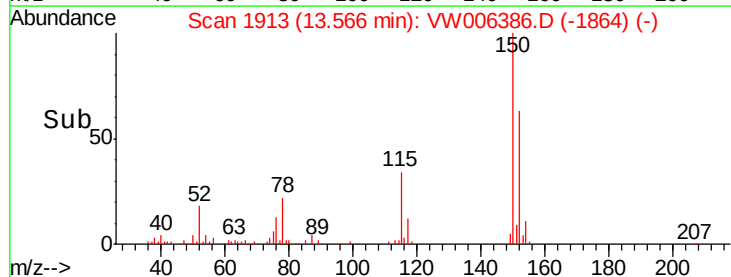
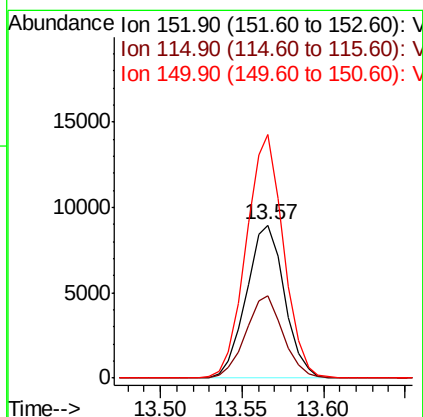
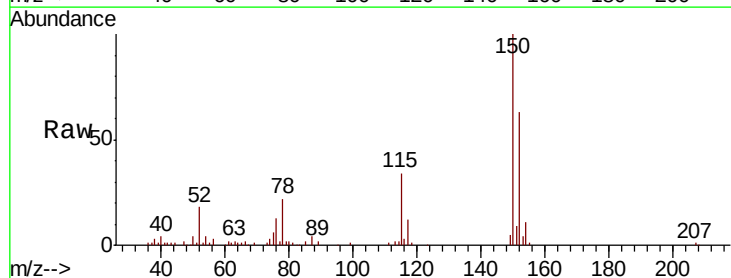
Instrument :
MSVOA_W
ClientSampleId :
SB-4(0-2)RE

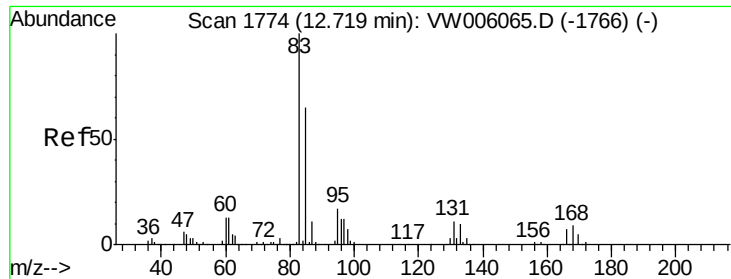
Tot Ion:117 Resp: 42384
Ion Ratio Lower Upper
117 100
82 51.7 42.1 63.1
119 32.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006386.D
Acq: 26 Oct 2018 03:52

Tgt Ion:152 Resp: 14540
Ion Ratio Lower Upper
152 100
115 53.1 27.8 83.3
150 155.6 0.0 349.2





#75

1,1,2,2-Tetrachloroethane

Concen: 1.715 ug/l

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW006386.D

Acq: 26 Oct 2018 03:52

Instrument :

MSVOA_W

ClientSampleId :

SB-4(0-2)RE

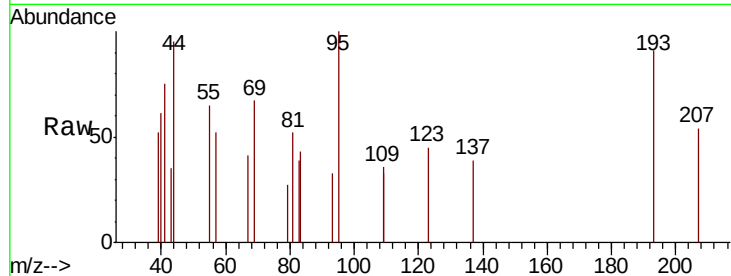
Tot Ion: 83 Resp: 268

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.7#

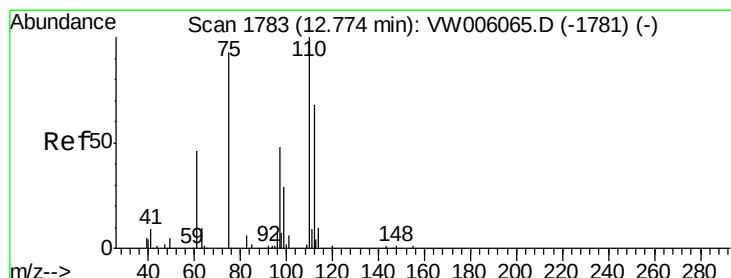
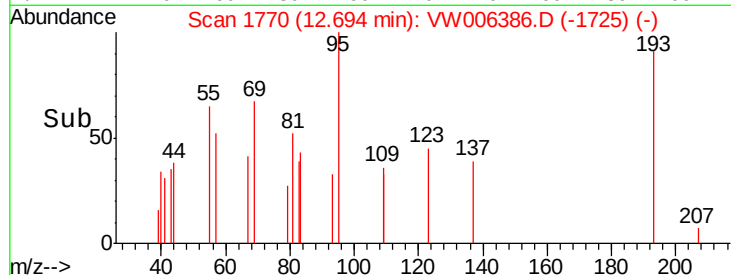
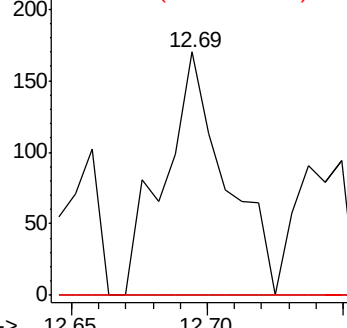
85 0.0 31.9 95.9#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 69.946 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006386.D

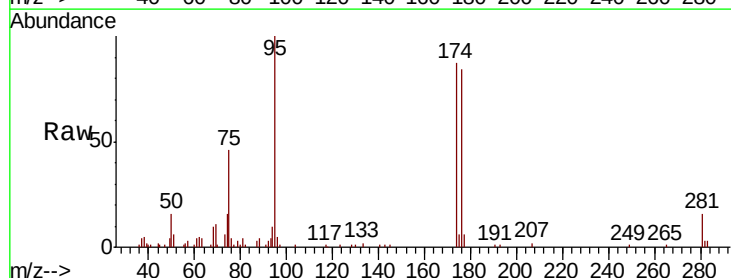
Acq: 26 Oct 2018 03:52

Tgt Ion: 75 Resp: 7768

Ion Ratio Lower Upper

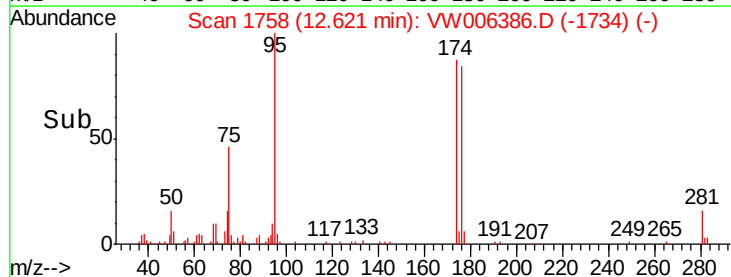
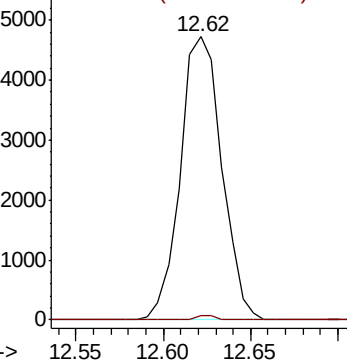
75 100

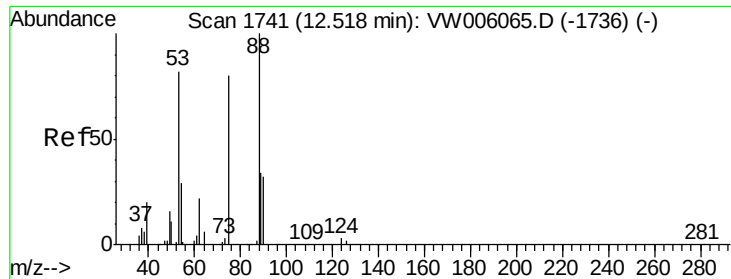
77 0.7 0.0 0.0#



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: 167.199 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006386.D

Acq: 26 Oct 2018 03:52

Instrument :

MSVOA_W

ClientSampleId :

SB-4(0-2)RE

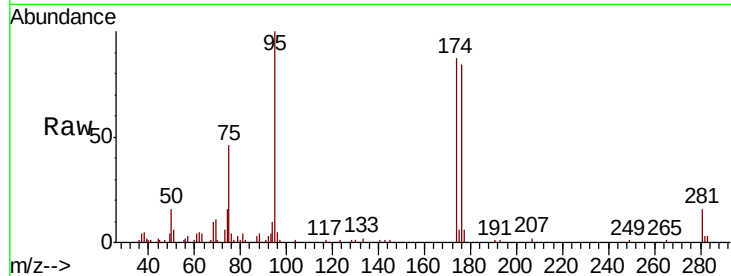
Tot Ion: 75 Resp: 7768

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

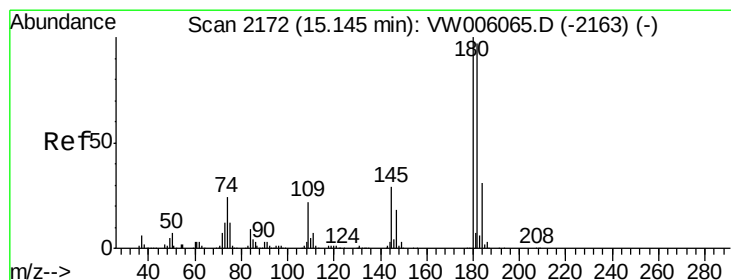
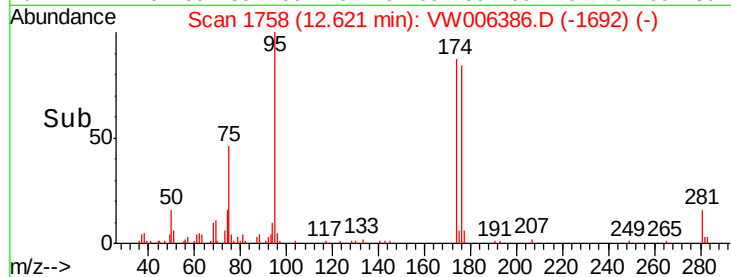
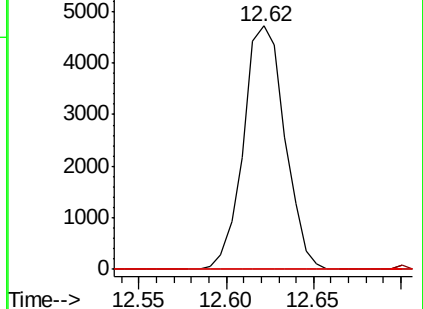
89 0.0 37.5 56.3#



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



#93

1,2,4-Trichlorobenzene

Concen: 1.490 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.01 min

Lab File: VW006386.D

Acq: 26 Oct 2018 03:52

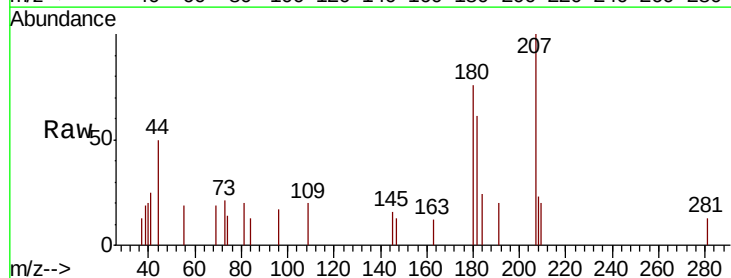
Tgt Ion:180 Resp: 512

Ion Ratio Lower Upper

180 100

182 95.3 47.9 143.6

145 20.9 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

