

Data File : VW008289.D
Acq On : 15 Jan 2019 18:42
Operator : SY/VA
Sample : K1147-13
Misc : 5.56G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-5

Quant Time: Jan 16 00:53:45 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	90380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	160104	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	144444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	67269	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	52966	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
35) Dibromofluoromethane	7.88	113	50949	54.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.12%	
50) Toluene-d8	10.32	98	205543	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
62) 4-Bromofluorobenzene	12.62	95	66158	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	

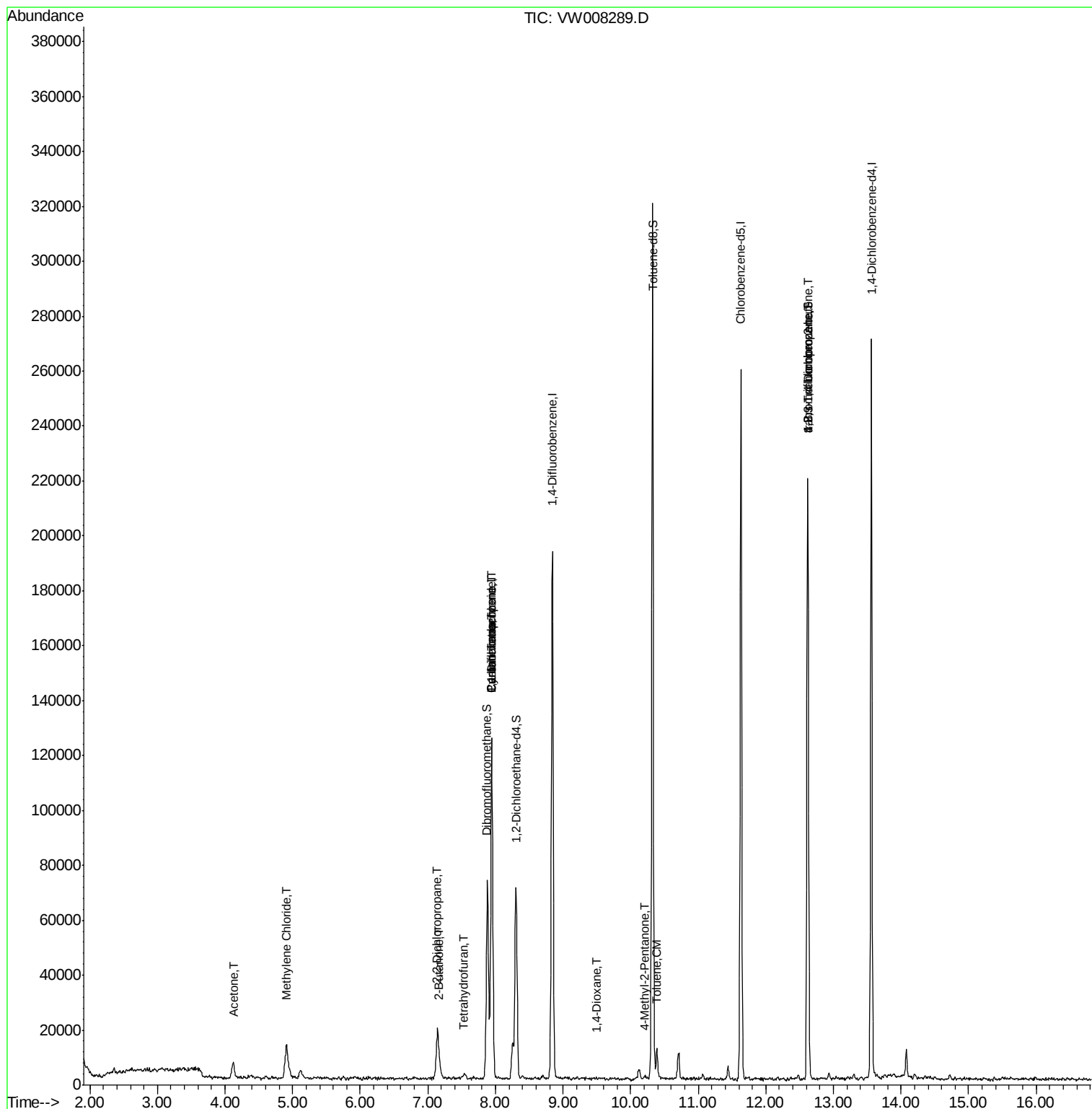
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.28	59	119	Below Cal	#	100
16) Acetone	4.12	43	10524	39.860	ug/l	95
20) Methylene Chloride	4.91	84	10353	6.133	ug/l	93
25) 2-Butanone	7.17	43	3986	14.103	ug/l	100
26) 2,2-Dichloropropane	7.14	77	1430	1.057	ug/l #	56
29) Tetrahydrofuran	7.52	42	1543	8.173	ug/l	98
31) Cyclohexane	7.95	56	2290	1.071	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	7549	4.577	ug/l #	53
38) Carbon Tetrachloride	7.95	117	9465	6.270	ug/l #	16
49) 1,4-Dioxane	9.49	88	70	7.991	ug/l #	85
51) 4-Methyl-2-Pentanone	10.21	43	1134	1.773	ug/l #	87
52) Toluene	10.39	92	4423	1.548	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	33385	54.441	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	33385	126.777	ug/l #	11

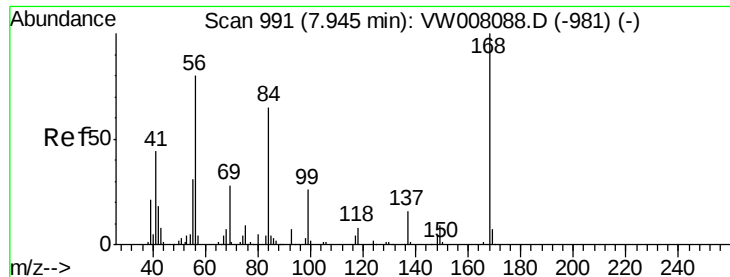
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW008289.D
Acq On : 15 Jan 2019 18:42
Operator : SY/VA
Sample : K1147-13
Misc : 5.56G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-5

Quant Time: Jan 16 00:53:45 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008289.D

Acq: 15 Jan 2019 18:42

Instrument :

MSVOA_W

ClientSampled :

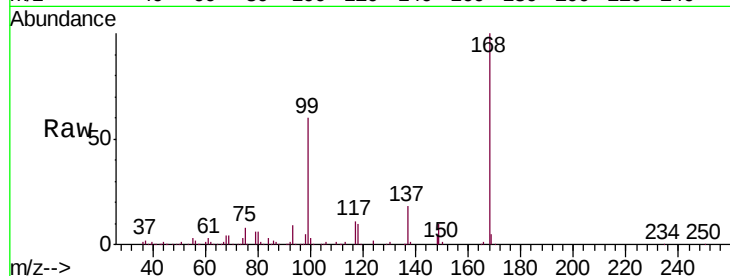
TP-5

Tgt Ion:168 Resp: 90380

Ion Ratio Lower Upper

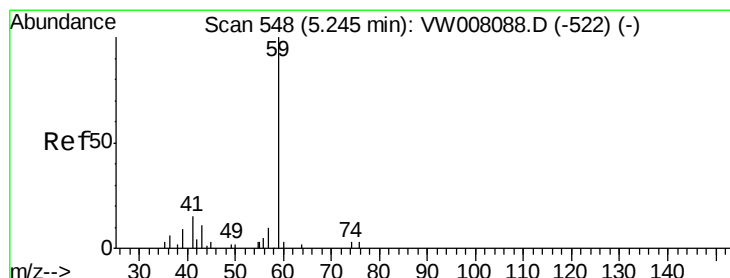
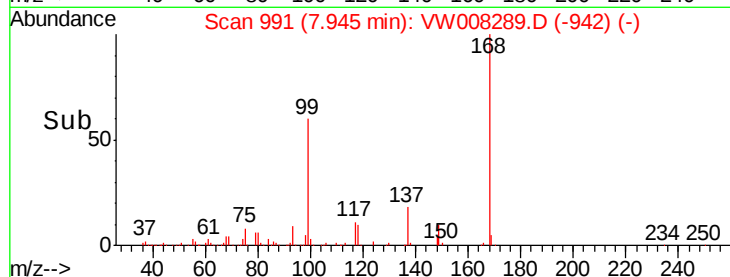
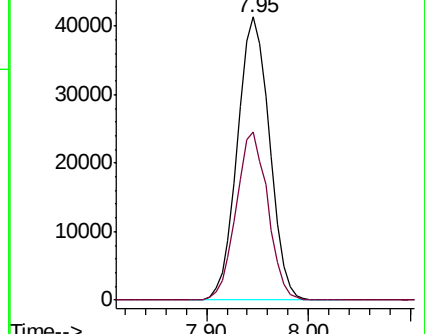
168 100

99 59.5 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.28 min Scan# 554

Delta R.T. 0.04 min

Lab File: VW008289.D

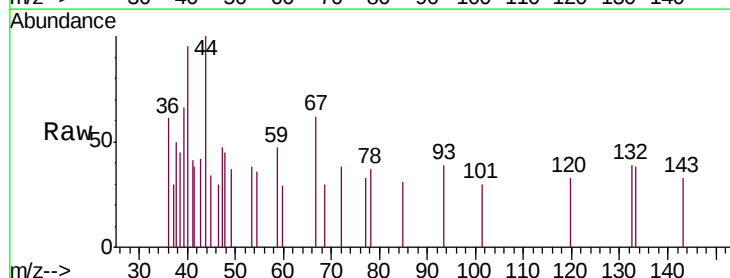
Acq: 15 Jan 2019 18:42

Tgt Ion: 59 Resp: 119

Ion Ratio Lower Upper

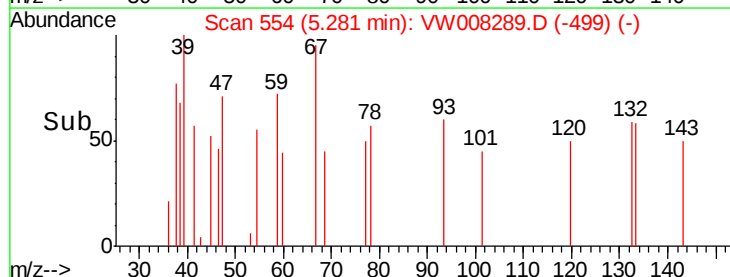
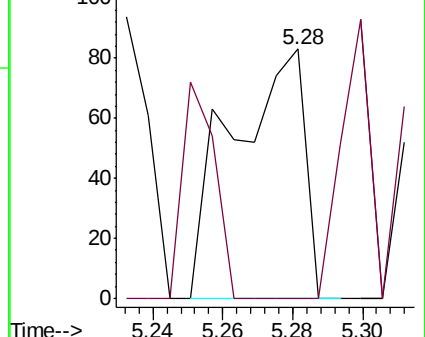
59 100

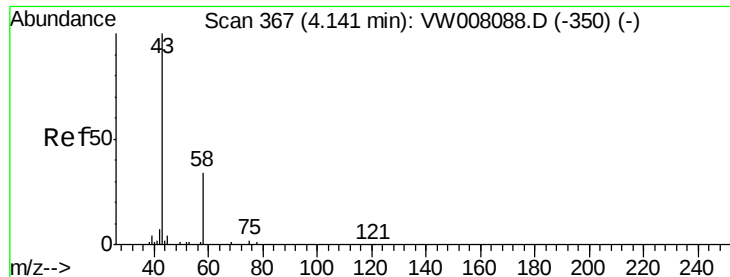
57 44.5 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 39.860 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW008289.D

Acq: 15 Jan 2019 18:42

Instrument :

MSVOA_W

ClientSampleId :

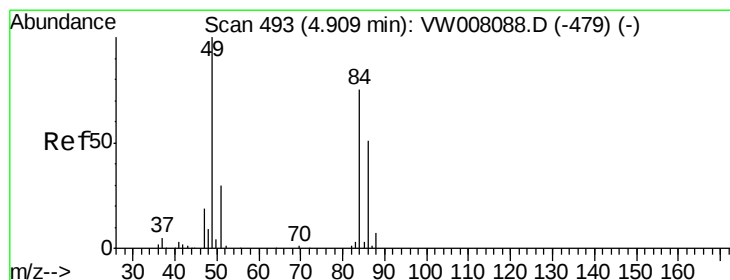
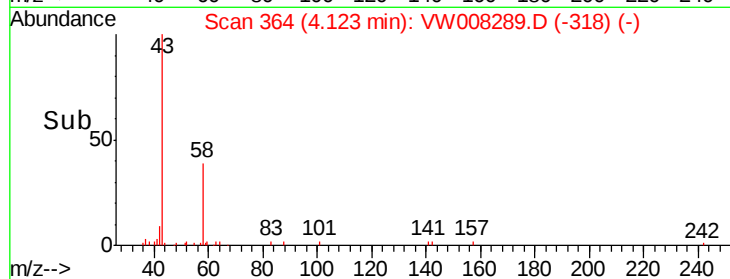
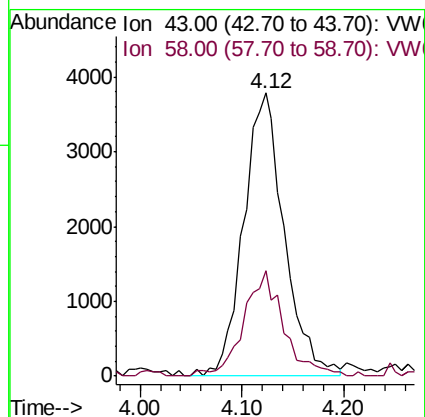
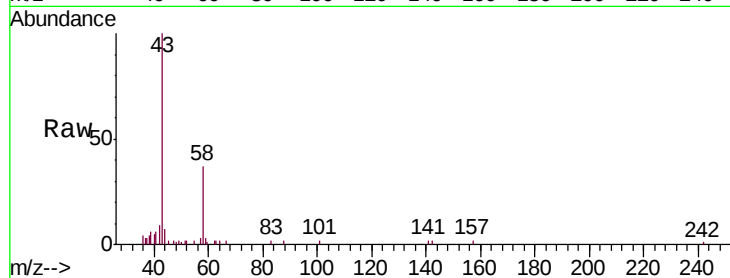
TP-5

Tgt Ion: 43 Resp: 10524

Ion Ratio Lower Upper

43 100

58 37.4 27.5 41.3



#20

Methylene Chloride

Concen: 6.133 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW008289.D

Acq: 15 Jan 2019 18:42

Tgt Ion: 84 Resp: 10353

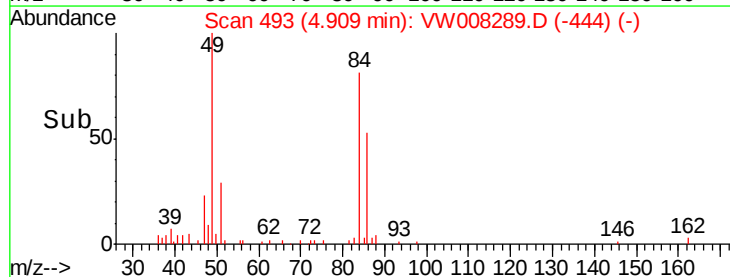
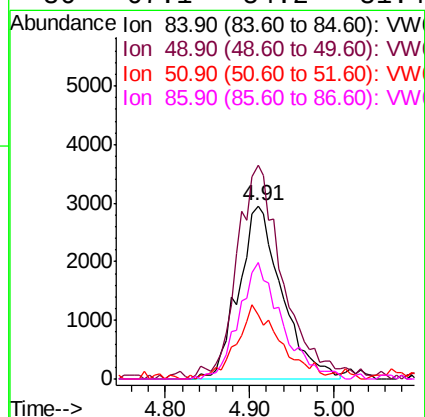
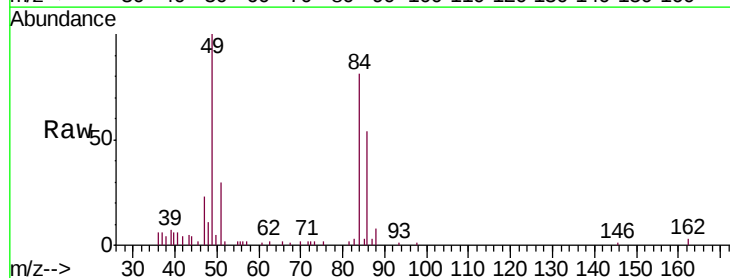
Ion Ratio Lower Upper

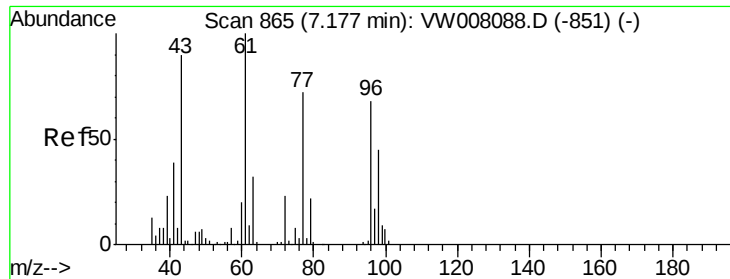
84 100

49 123.2 107.1 160.7

51 35.0 32.4 48.6

86 67.1 54.2 81.4





#25

2-Butanone

Concen: 14.103 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008289.D

Acq: 15 Jan 2019 18:42

Instrument :

MSVOA_W

ClientSampled :

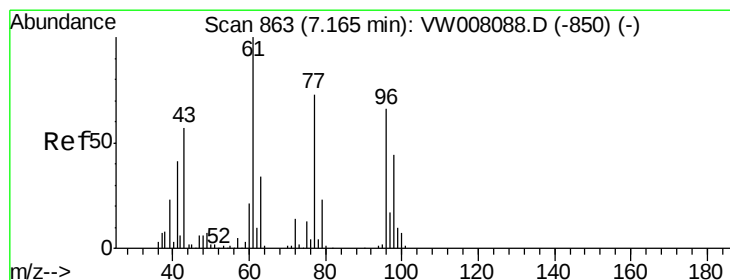
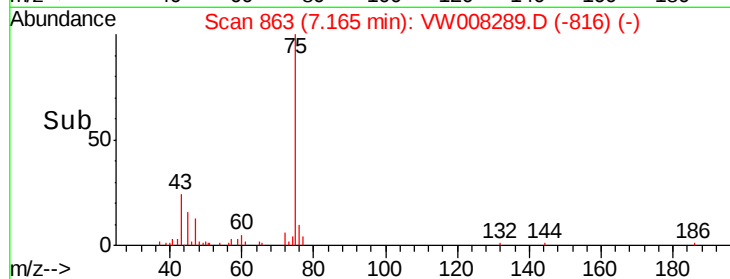
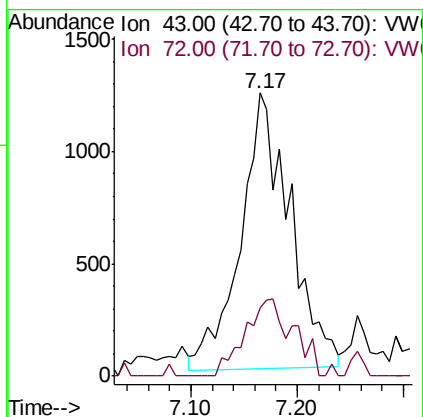
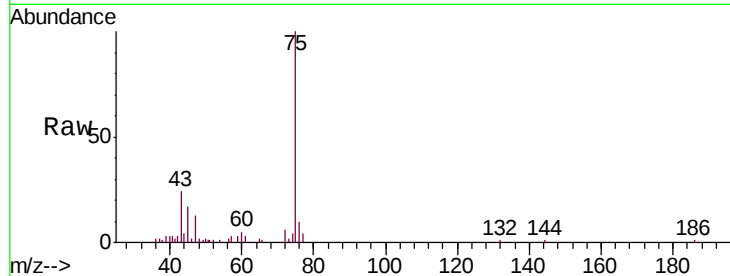
TP-5

Tgt Ion: 43 Resp: 3986

Ion Ratio Lower Upper

43 100

72 25.8 20.5 30.7



#26

2,2-Dichloropropane

Concen: 1.057 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW008289.D

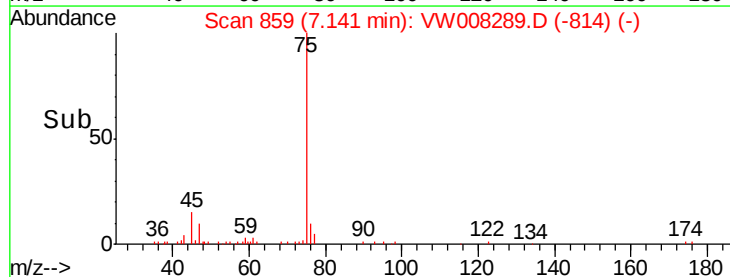
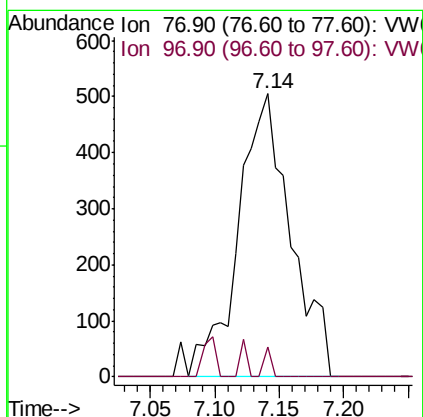
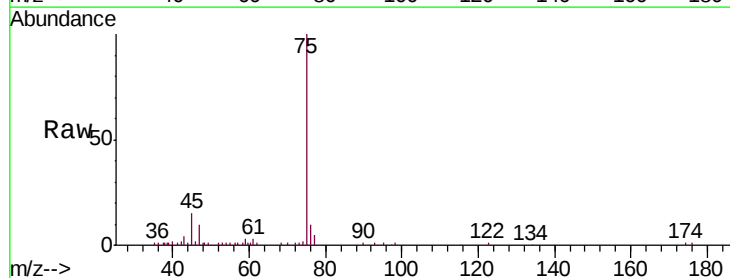
Acq: 15 Jan 2019 18:42

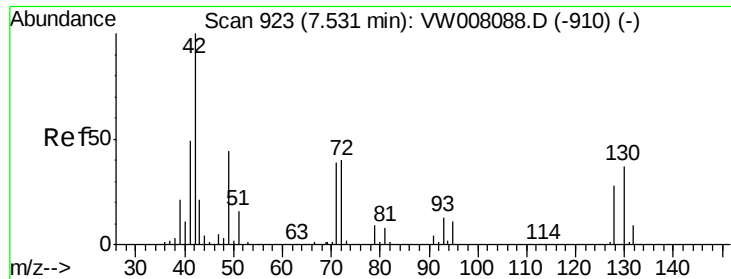
Tgt Ion: 77 Resp: 1430

Ion Ratio Lower Upper

77 100

97 1.3 11.4 34.1#

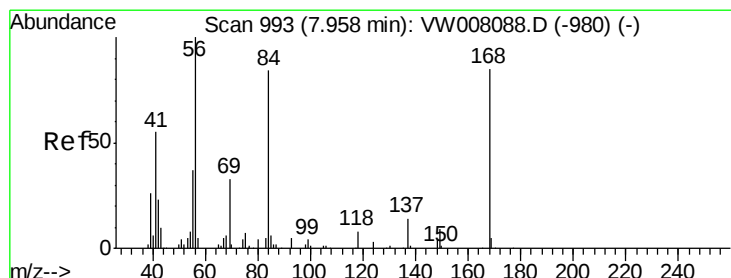
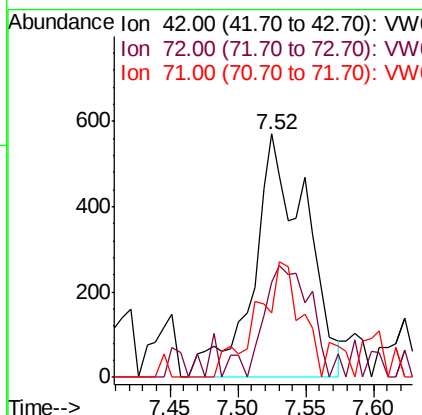
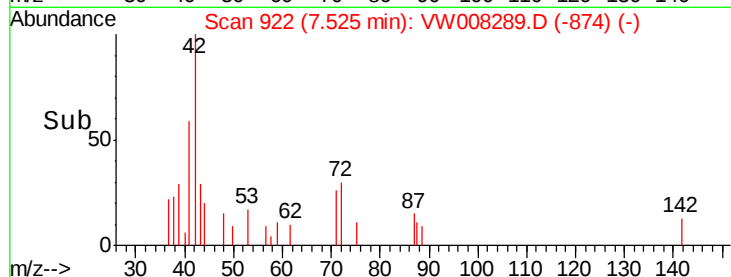
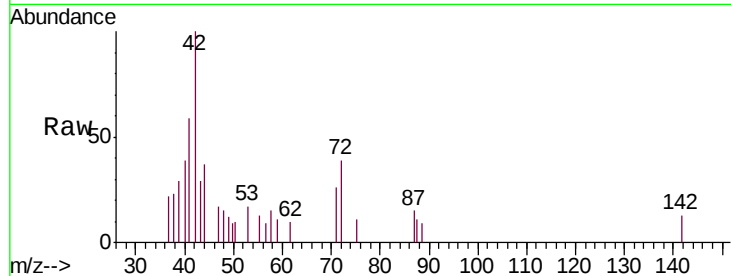




#29
Tetrahydrofuran
Concen: 8.173 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008289.D
Acq: 15 Jan 2019 18:42

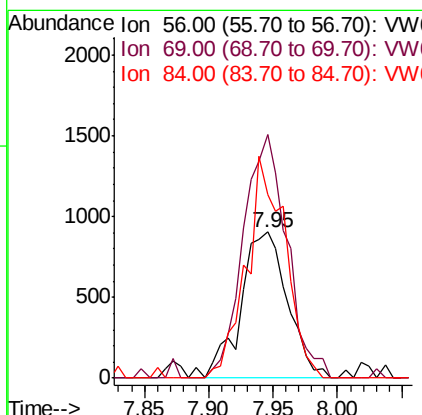
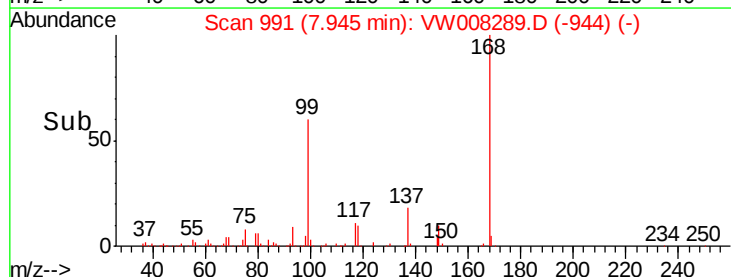
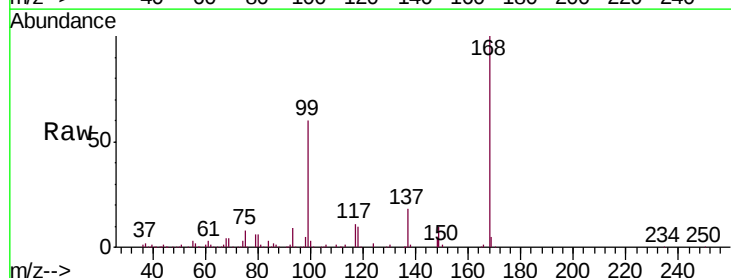
Instrument :
MSVOA_W
ClientSampleId :
TP-5

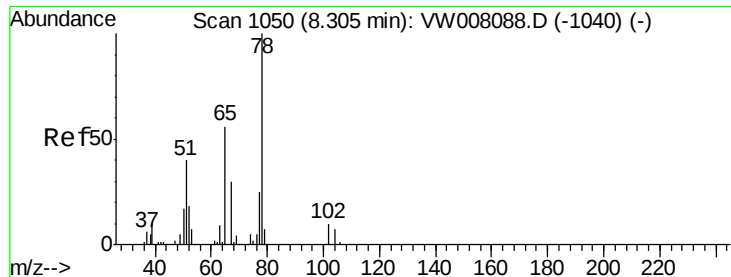
Tgt Ion: 42 Resp: 1543
Ion Ratio Lower Upper
42 100
72 38.8 32.4 48.6
71 39.9 31.3 46.9



#31
Cyclohexane
Concen: 1.071 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008289.D
Acq: 15 Jan 2019 18:42

Tgt Ion: 56 Resp: 2290
Ion Ratio Lower Upper
56 100
69 167.0 26.2 39.4#
84 126.2 67.4 101.2#

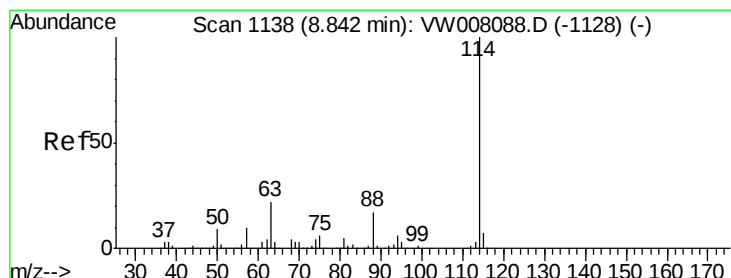
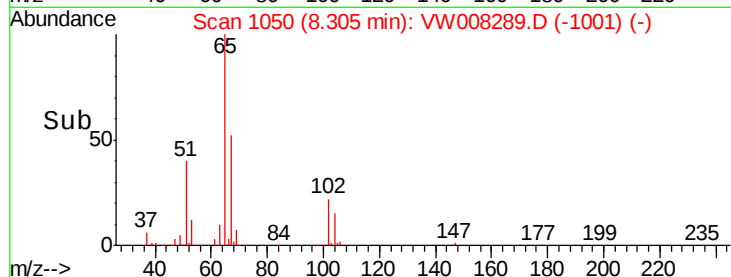
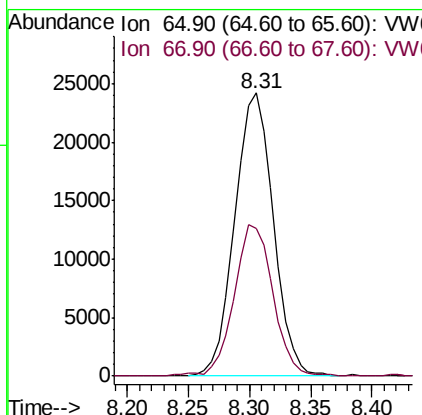
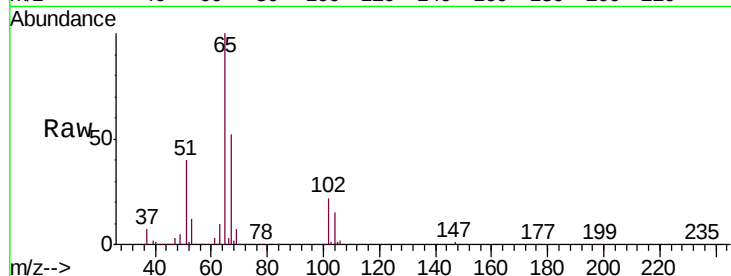




#33
 1,2-Dichloroethane-d4
 Concen: 52.143 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008289.D
 Acq: 15 Jan 2019 18:42

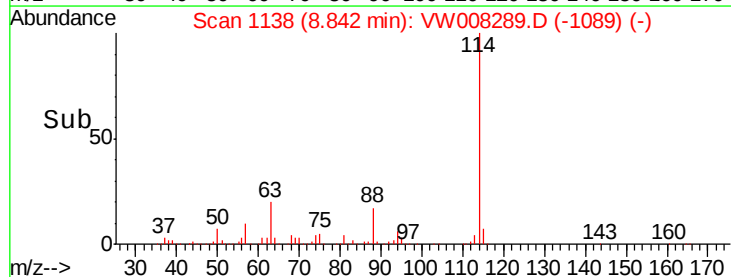
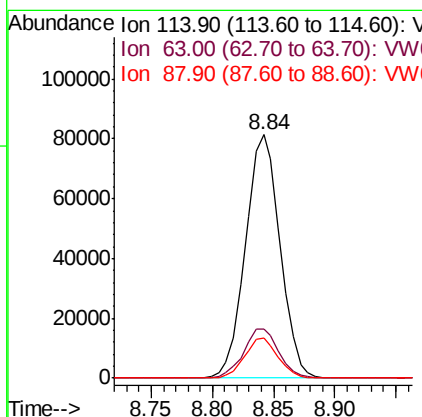
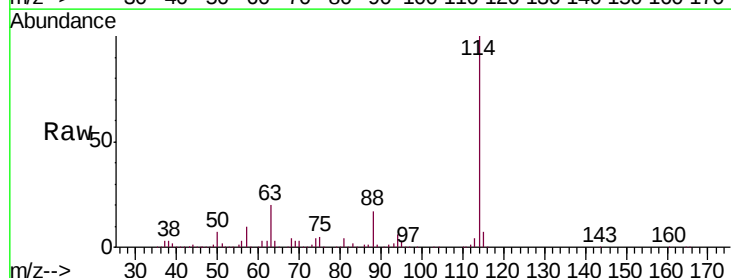
Instrument :
 MSVOA_W
 ClientSampled :
 TP-5

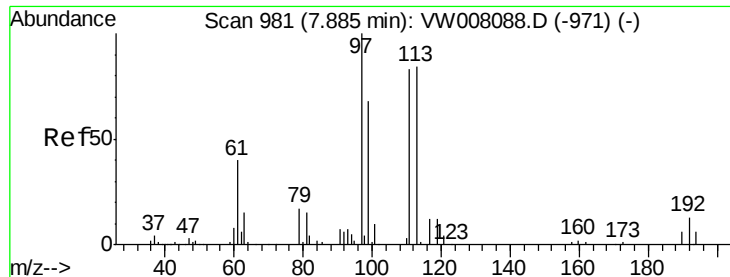
Tgt Ion: 65 Resp: 52966
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008289.D
 Acq: 15 Jan 2019 18:42

Tgt Ion: 114 Resp: 160104
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 43.4
 88 16.6 0.0 33.4

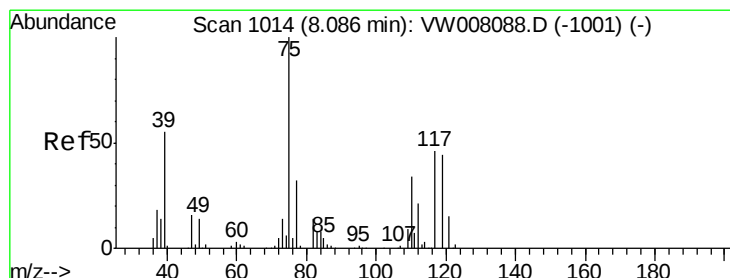
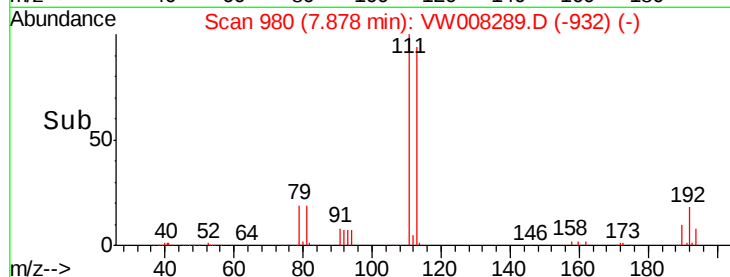
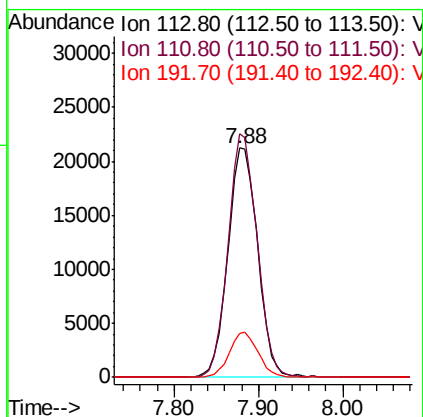
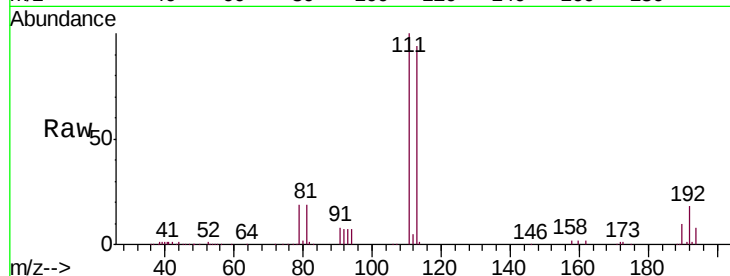




#35
 Dibromofluoromethane
 Concen: 54.562 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008289.D
 Acq: 15 Jan 2019 18:42

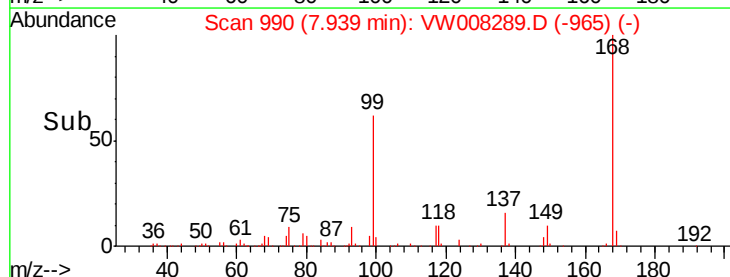
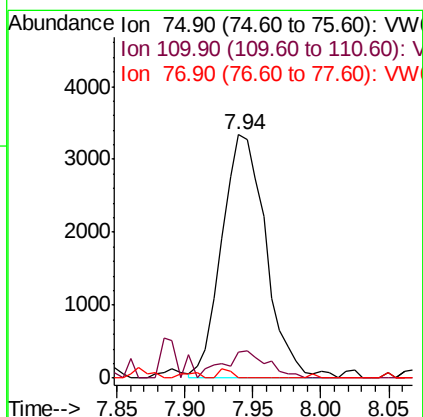
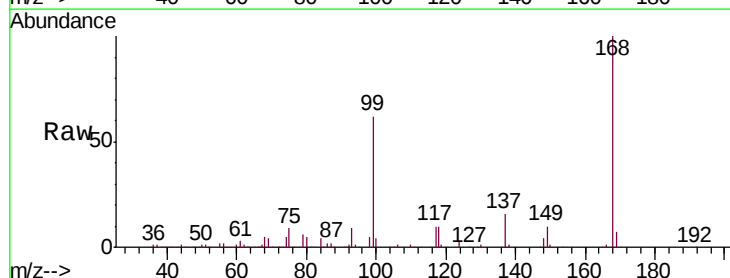
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5

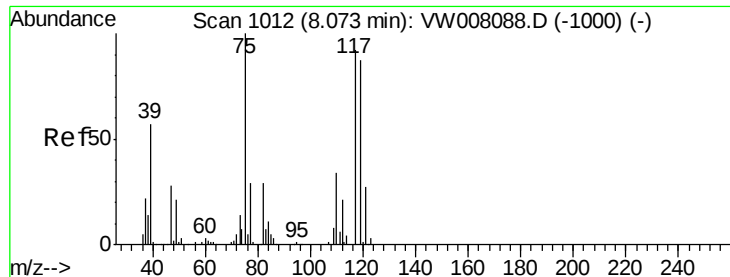
Tgt Ion:113 Resp: 50949
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.8 122.8
 192 18.9 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.577 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.15 min
 Lab File: VW008289.D
 Acq: 15 Jan 2019 18:42

Tgt Ion: 75 Resp: 7549
 Ion Ratio Lower Upper
 75 100
 110 11.3 17.1 51.3#
 77 1.1 25.5 38.3#





#38

Carbon Tetrachloride

Concen: 6.270 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008289.D

Acq: 15 Jan 2019 18:42

Instrument :

MSVOA_W

ClientSampleId :

TP-5

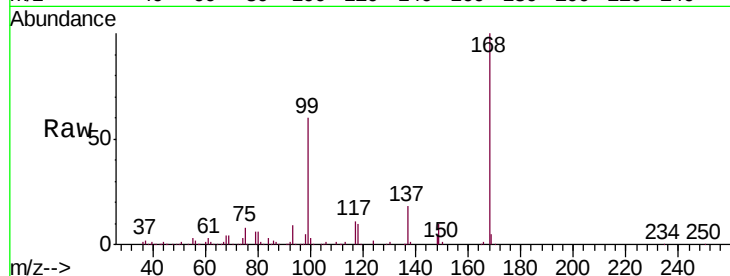
Tgt Ion:117 Resp: 9465

Ion Ratio Lower Upper

117 100

119 4.2 75.8 113.8#

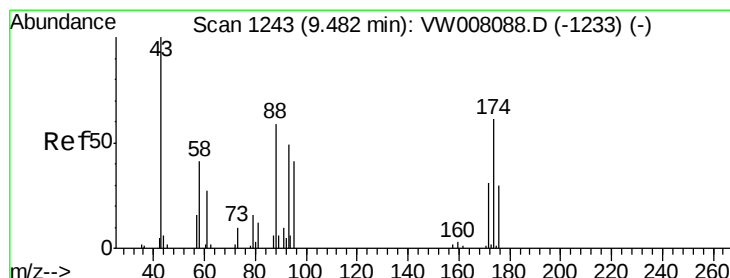
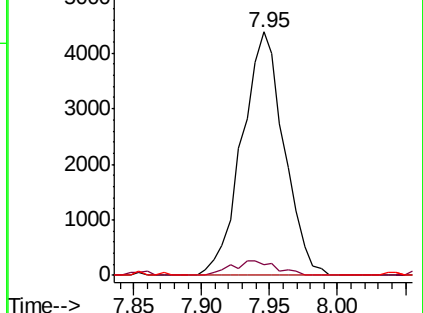
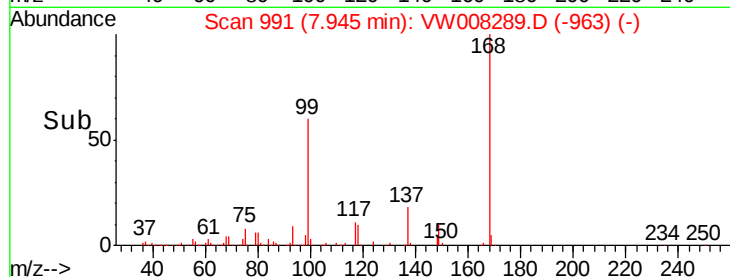
121 0.0 23.7 35.5#



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: 7.991 ug/l

RT: 9.49 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VW008289.D

Acq: 15 Jan 2019 18:42

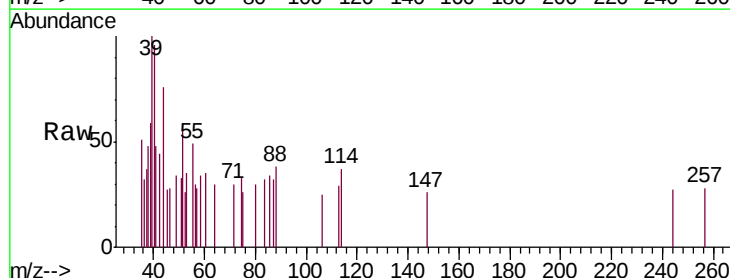
Tgt Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

43 108.6 0.0 0.0#

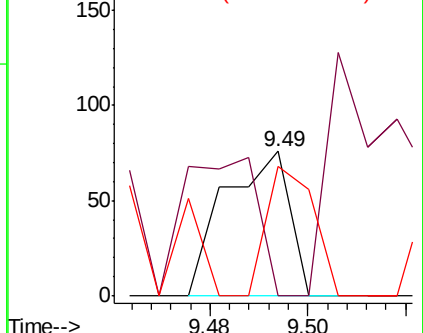
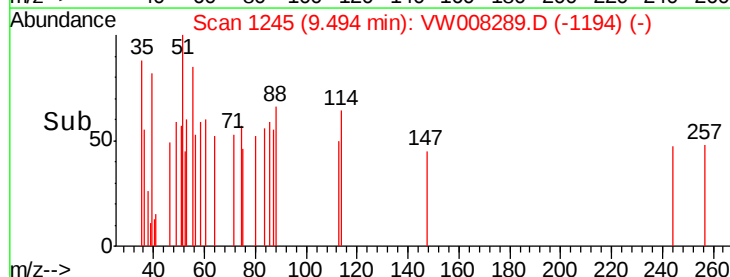
58 64.3 61.7 92.5

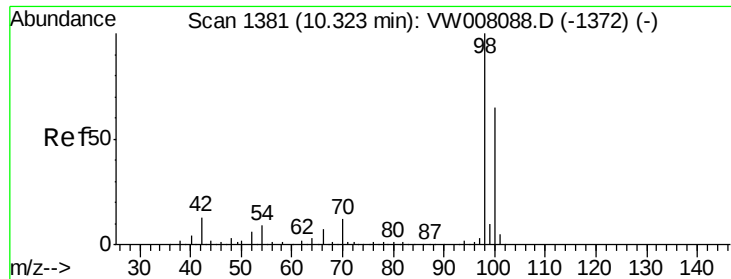


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 52.454 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008289.D

Acq: 15 Jan 2019 18:42

Instrument :

MSVOA_W

ClientSampled :

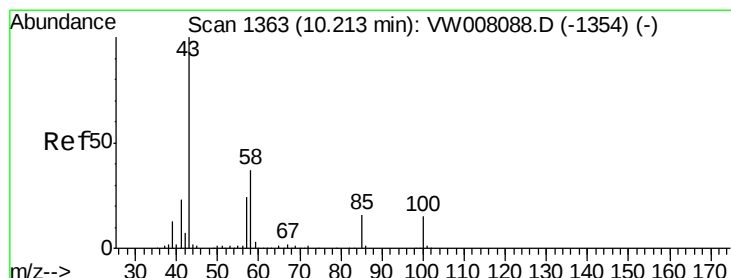
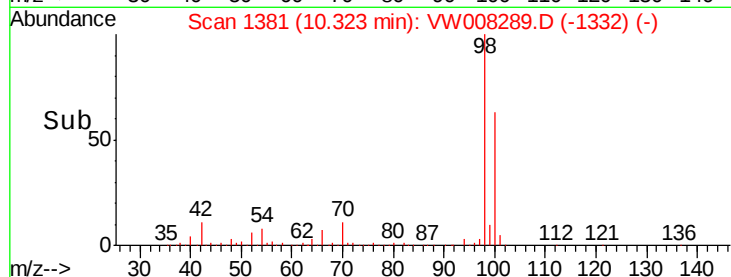
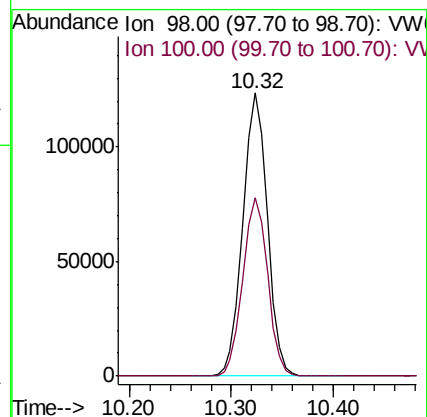
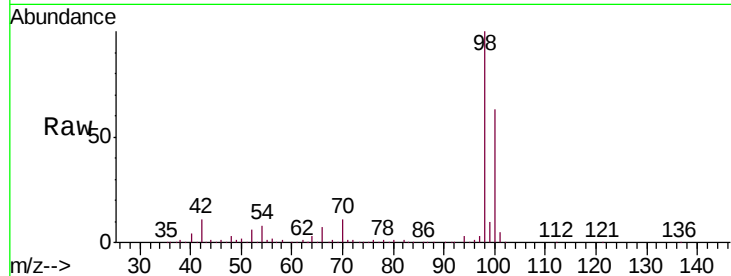
TP-5

Tgt Ion: 98 Resp: 205543

Ion Ratio Lower Upper

98 100

100 63.9 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 1.773 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008289.D

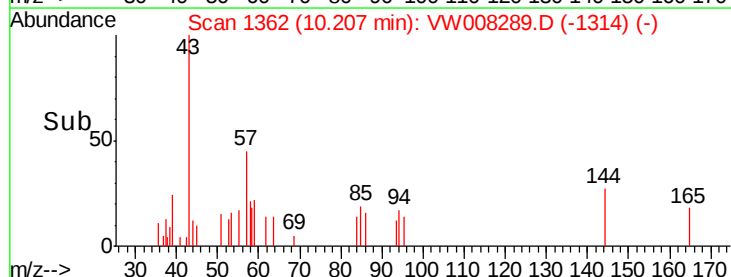
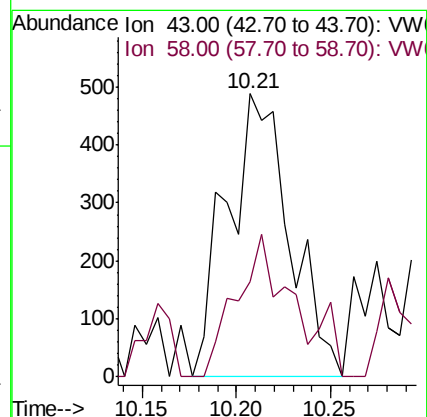
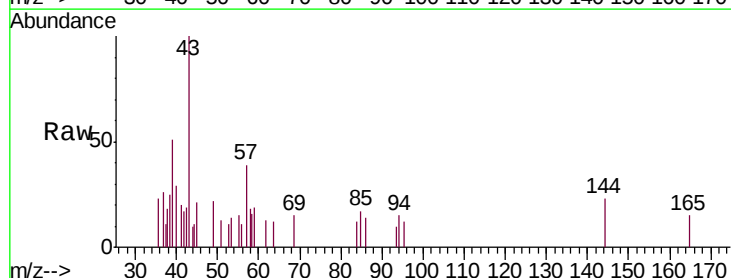
Acq: 15 Jan 2019 18:42

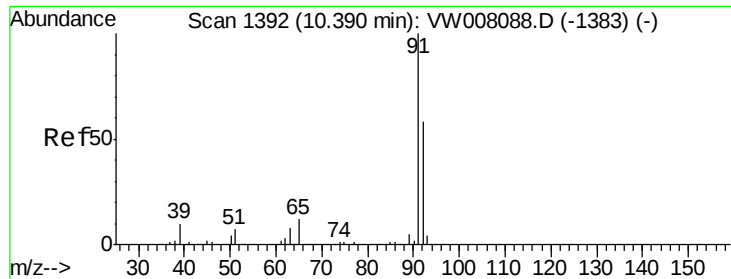
Tgt Ion: 43 Resp: 1134

Ion Ratio Lower Upper

43 100

58 46.4 30.6 46.0#





#52

Toluene

Concen: 1.548 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008289.D

Acq: 15 Jan 2019 18:42

Instrument :

MSVOA_W

ClientSampleId :

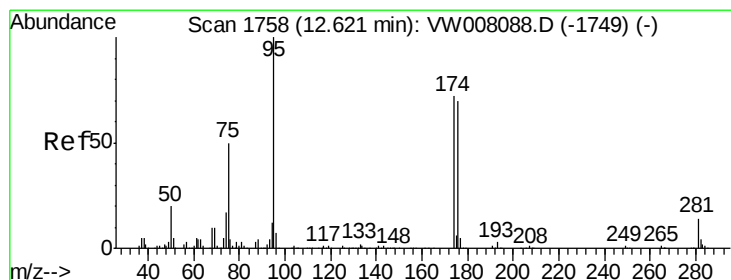
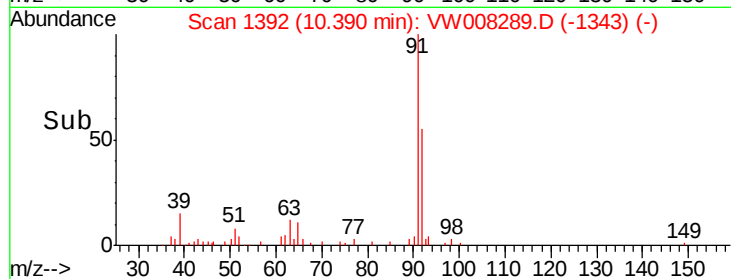
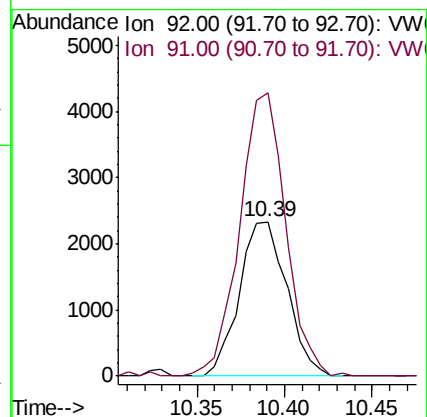
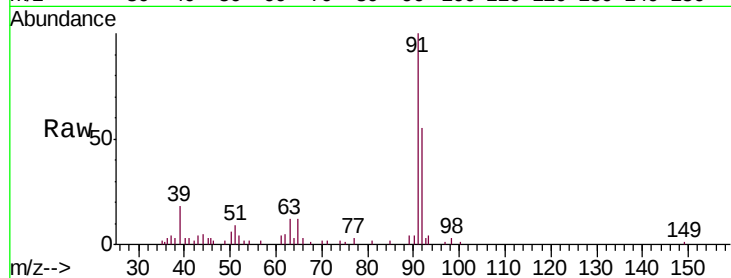
TP-5

Tgt Ion: 92 Resp: 4423

Ion Ratio Lower Upper

92 100

91 177.3 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 47.095 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008289.D

Acq: 15 Jan 2019 18:42

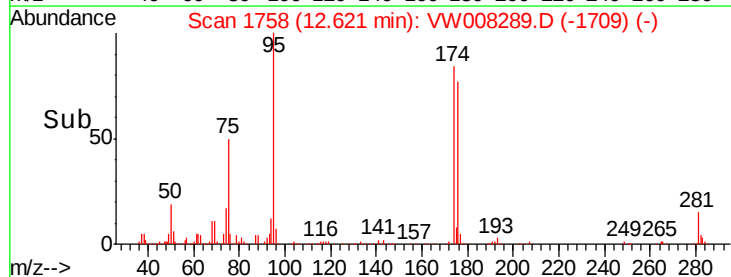
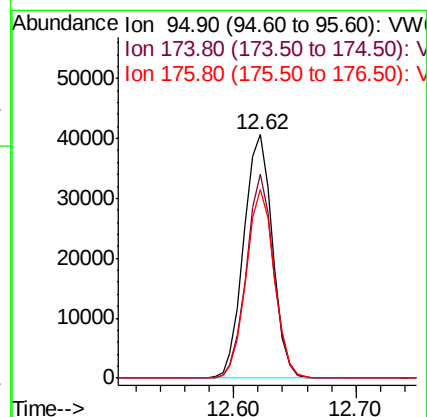
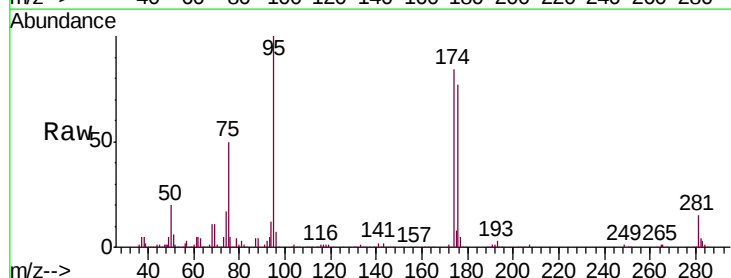
Tgt Ion: 95 Resp: 66158

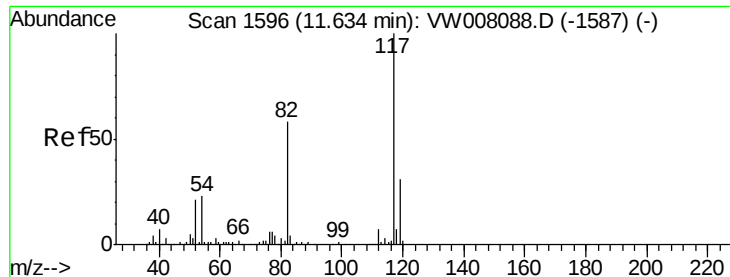
Ion Ratio Lower Upper

95 100

174 79.2 0.0 143.0

176 76.2 0.0 140.2

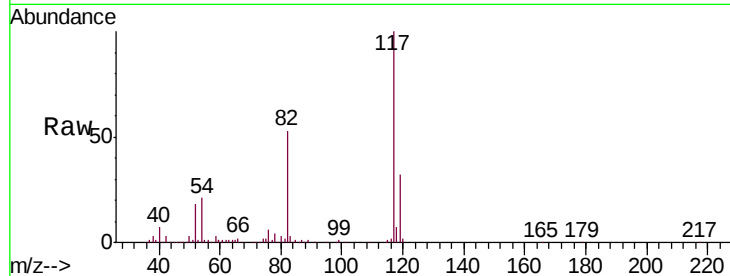




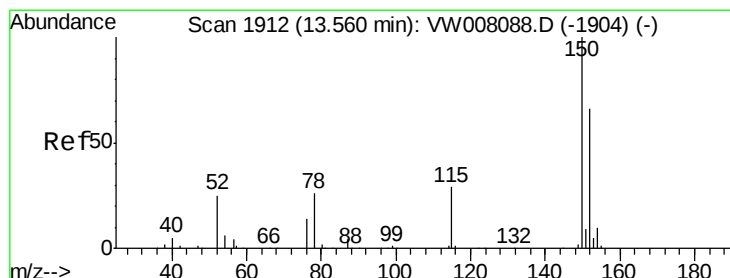
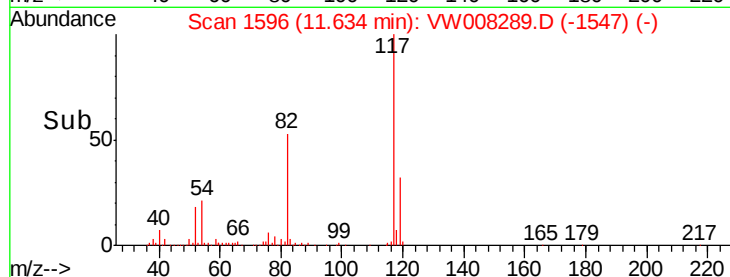
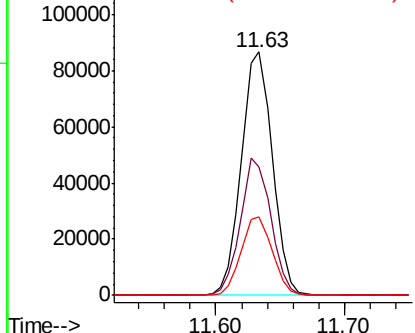
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008289.D
Acq: 15 Jan 2019 18:42

Instrument :
MSVOA_W
ClientSampled :
TP-5

Tgt Ion:117 Resp: 144444
Ion Ratio Lower Upper
117 100
82 52.9 46.4 69.6
119 32.1 24.7 37.1

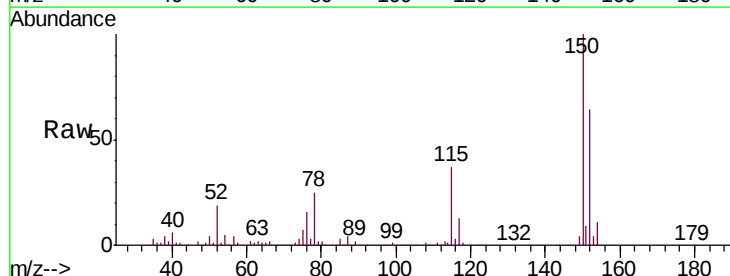


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

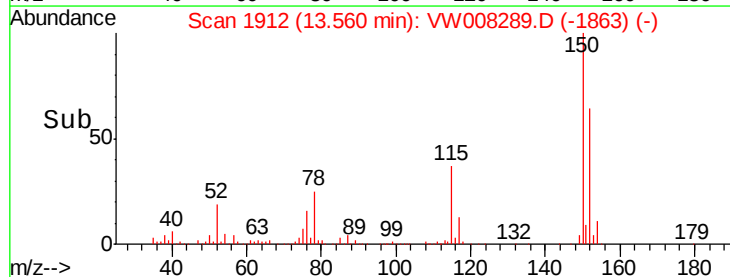
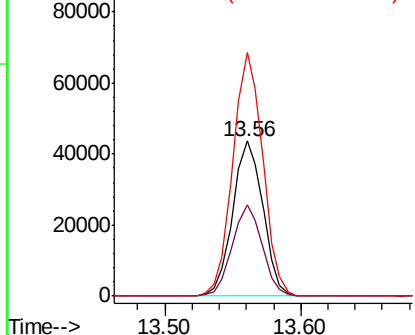


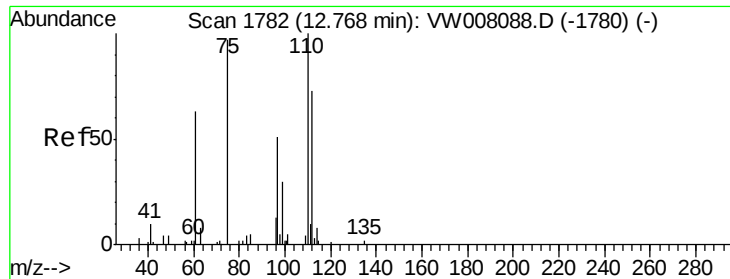
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008289.D
Acq: 15 Jan 2019 18:42

Tgt Ion:152 Resp: 67269
Ion Ratio Lower Upper
152 100
115 58.4 30.8 92.4
150 156.2 0.0 350.2



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





#76

1,2,3-Trichloropropane

Concen: 54.441 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008289.D

Acq: 15 Jan 2019 18:42

Instrument :

MSVOA_W

ClientSampleId :

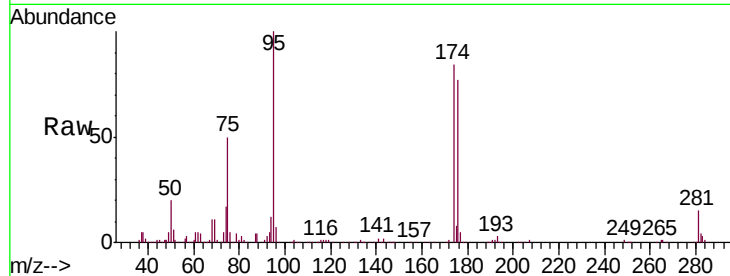
TP-5

Tgt Ion: 75 Resp: 33385

Ion Ratio Lower Upper

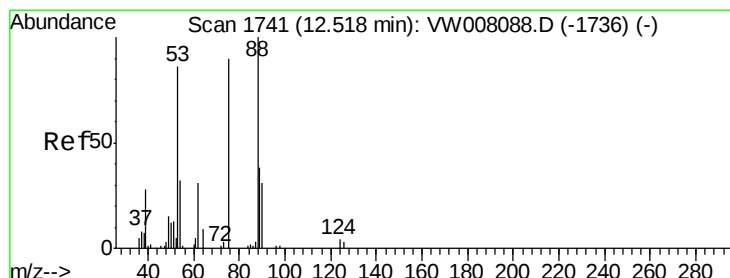
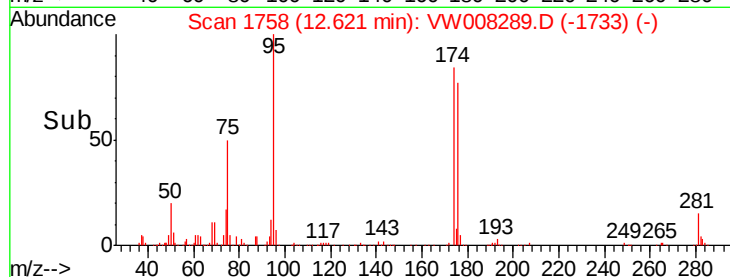
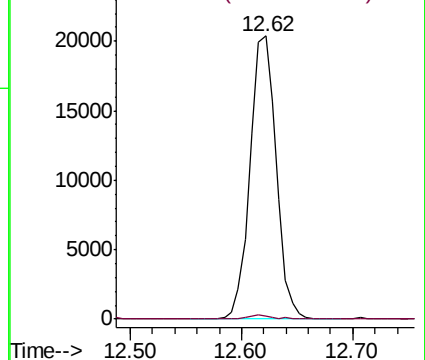
75 100

77 1.2 179.4 538.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 126.777 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008289.D

Acq: 15 Jan 2019 18:42

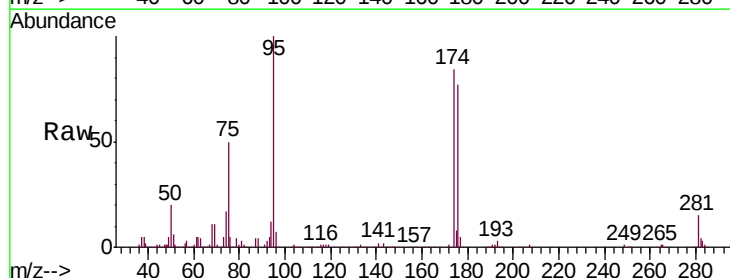
Tgt Ion: 75 Resp: 33385

Ion Ratio Lower Upper

75 100

53 0.6 78.8 118.2#

89 0.1 35.4 53.2#



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

