

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102720\
 Data File : VX019141.D
 Acq On : 27 Oct 2020 17:11
 Operator : JC/MD
 Sample : L4214-09 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Quant Time: Oct 28 03:36:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 28 03:10:38 2020
 Response via : Initial Calibration

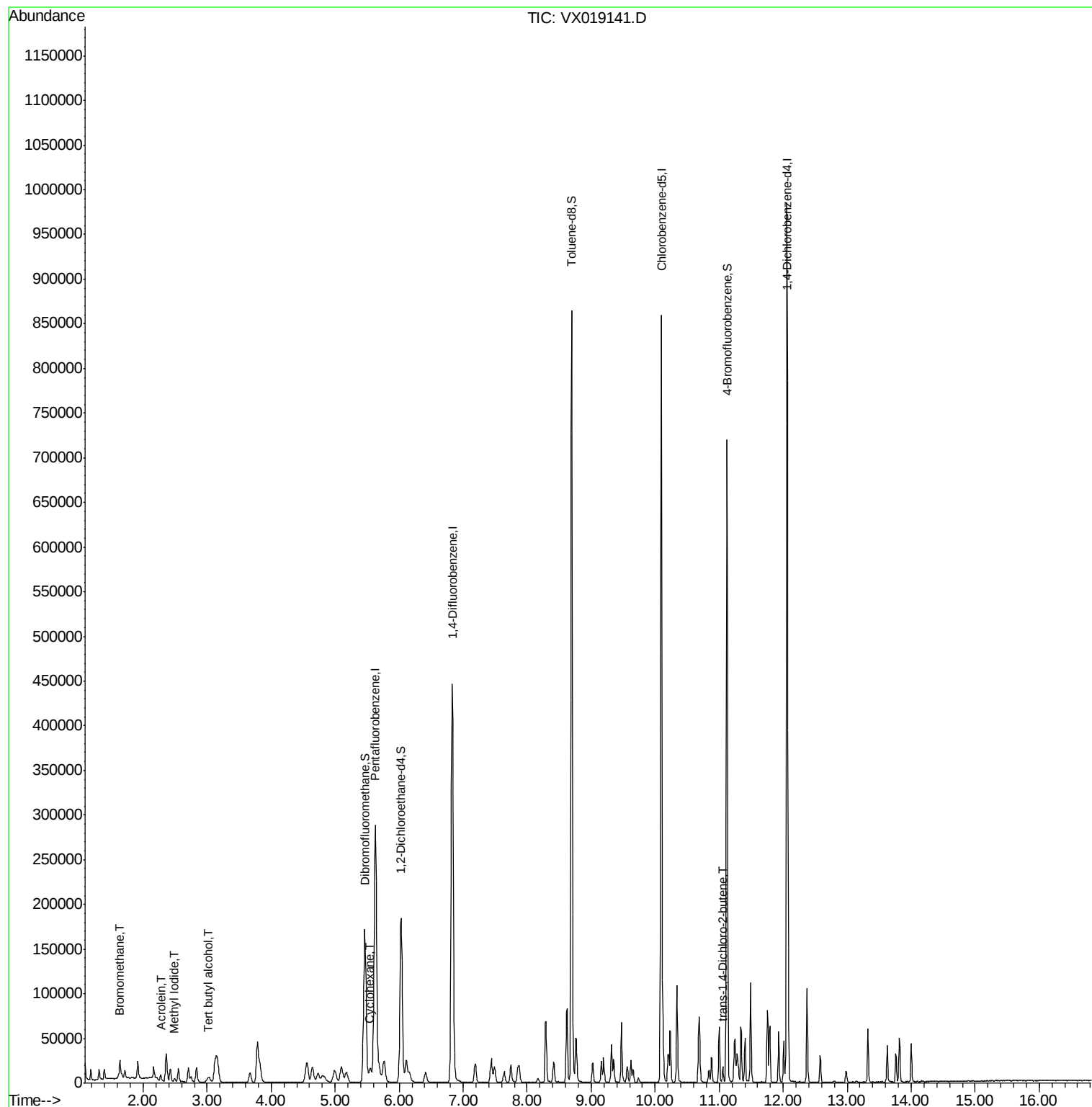
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	273036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	456269	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	404150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	198041	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	174551	49.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.14%	
35) Dibromofluoromethane	5.46	113	137081	47.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.66%	
50) Toluene-d8	8.70	98	517324	47.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.76%	
62) 4-Bromofluorobenzene	11.12	95	189862	46.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.80%	
Target Compounds						
5) Bromomethane	1.64	94	6360	3.158	ug/l	98
10) Methyl Iodide	2.49	142	3900	1.494	ug/l	98
11) Tert butyl alcohol	3.03	59	9584	13.781	ug/l #	85
13) Acrolein	2.28	56	6167	18.203	ug/l	94
31) Cyclohexane	5.55	56	10779	2.422	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.05	75	2948	1.898	ug/l	87

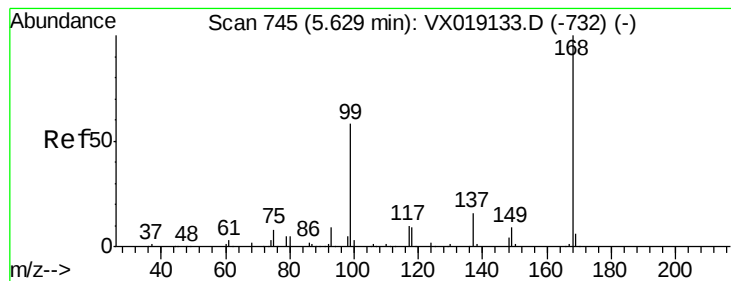
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 28 03:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

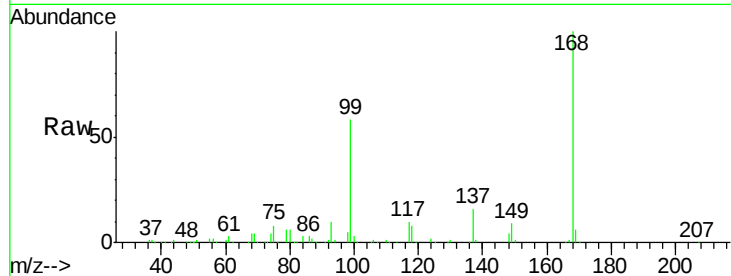
MDL-WATER-03-QT4-2020

Tot Ion:168 Resp: 273036

Ion Ratio Lower Upper

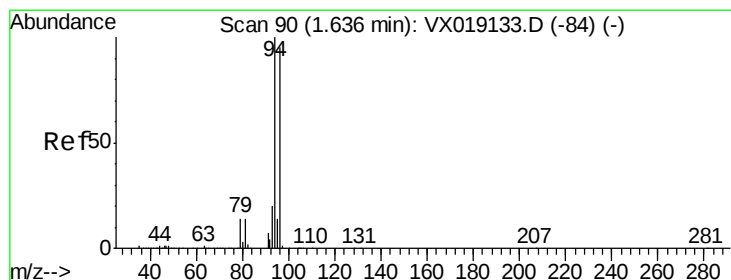
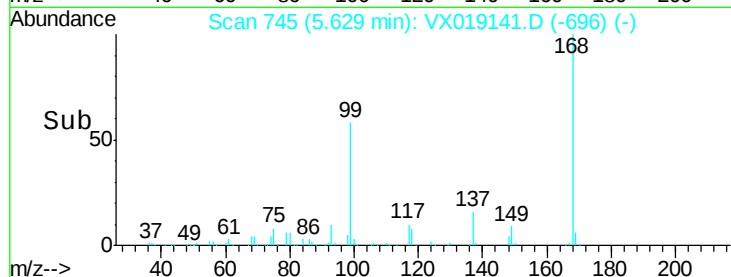
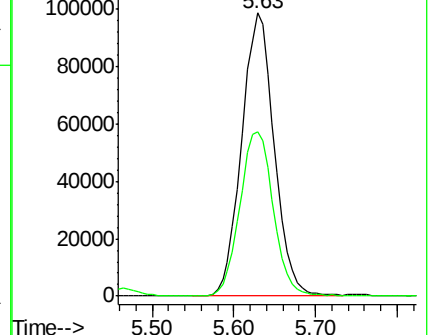
168 100

99 58.0 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 3.158 ug/l

RT: 1.64 min Scan# 90

Delta R.T. -0.00 min

Lab File: VX019141.D

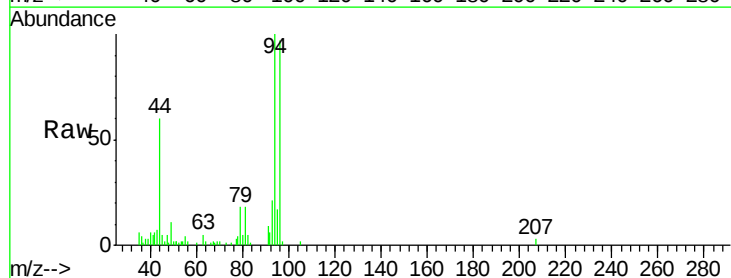
Acq: 27 Oct 2020 17:11

Tgt Ion: 94 Resp: 6360

Ion Ratio Lower Upper

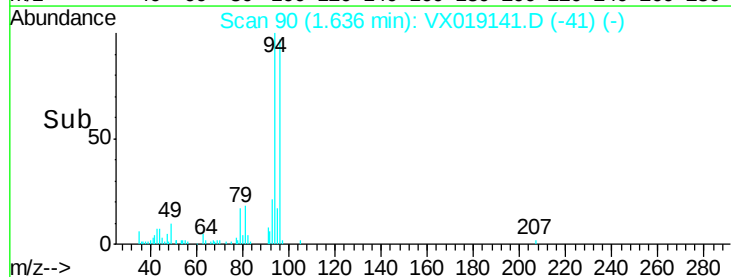
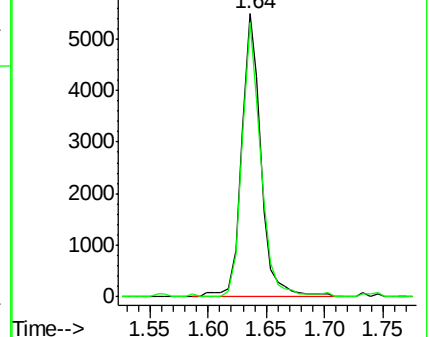
94 100

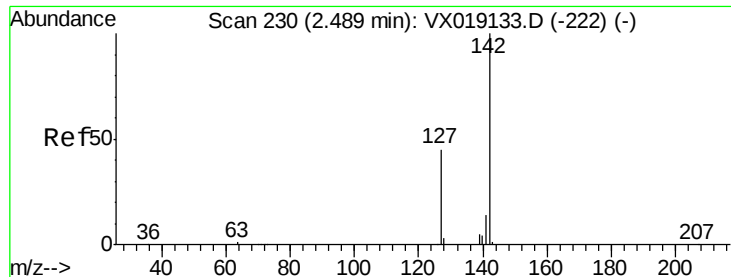
96 96.9 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

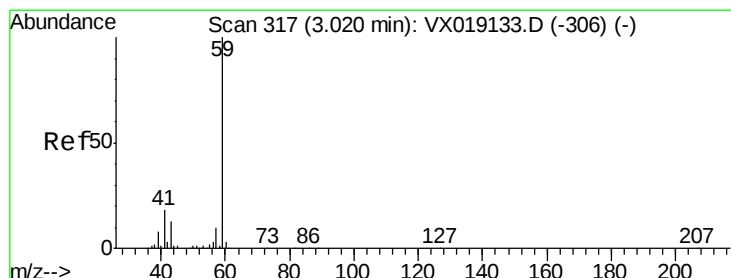
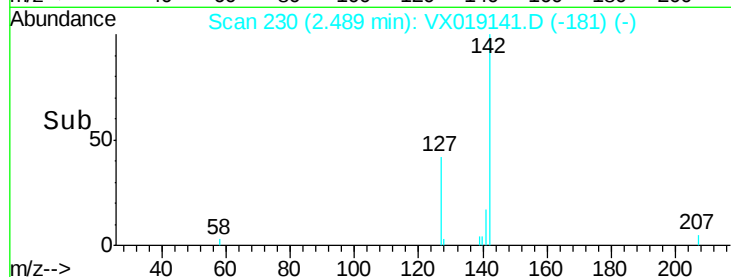
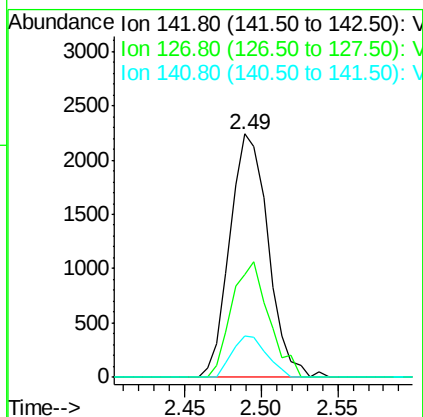
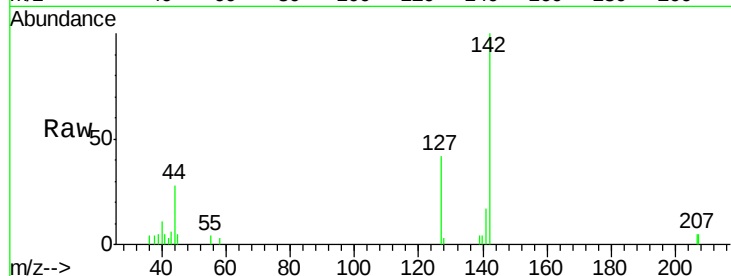




#10
Methvl Iodide
Concen: 1.494 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

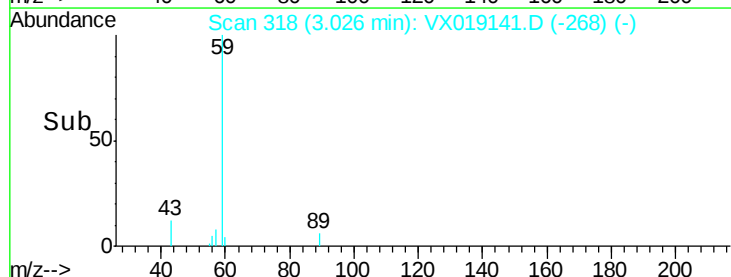
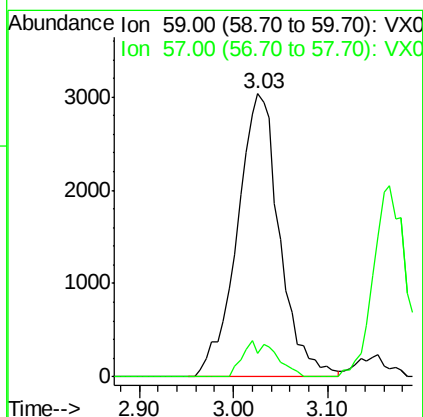
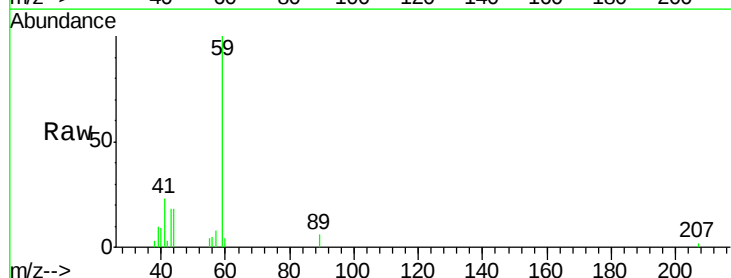
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

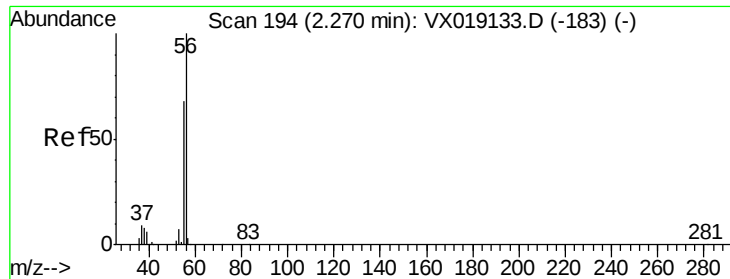
Tot Ion:142 Resp: 3900
Ion Ratio Lower Upper
142 100
127 46.0 36.1 54.1
141 15.3 11.3 16.9



#11
Tert butyl alcohol
Concen: 13.781 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

Tgt Ion: 59 Resp: 9584
Ion Ratio Lower Upper
59 100
57 4.7 8.4 12.6#





#13

Acrolein

Concen: 18.203 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

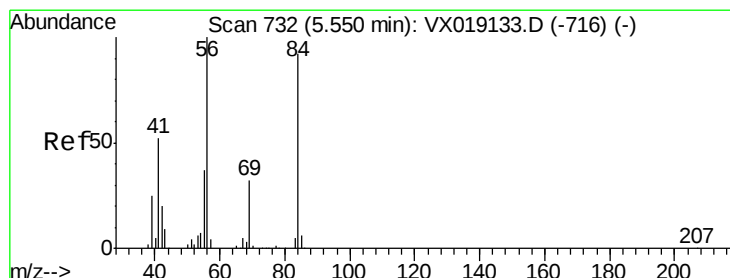
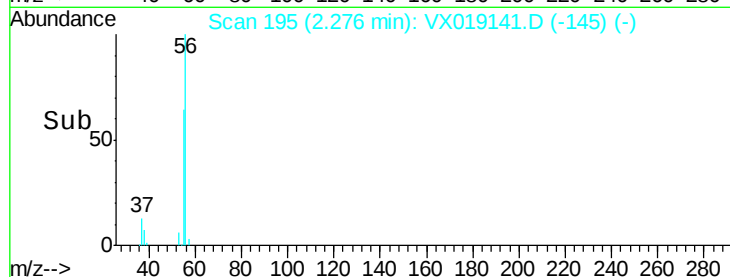
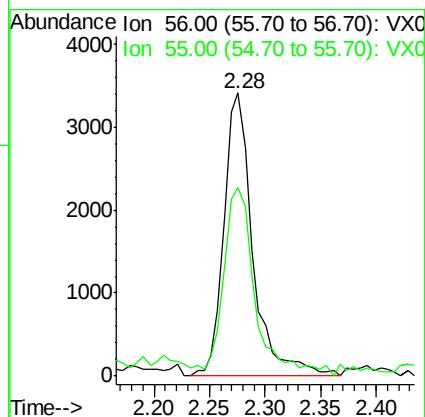
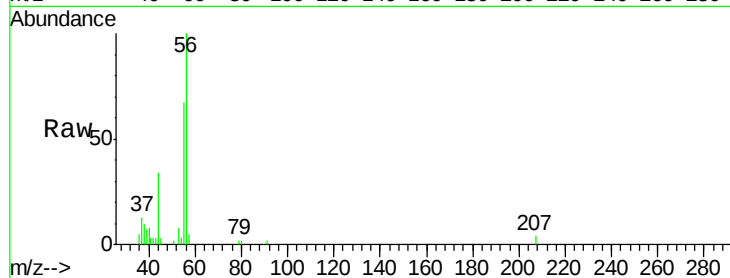
MDL-WATER-03-QT4-2020

Tot Ion: 56 Resp: 6167

Ion Ratio Lower Upper

56 100

55 73.6 54.7 82.1



#31

Cyclohexane

Concen: 2.422 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

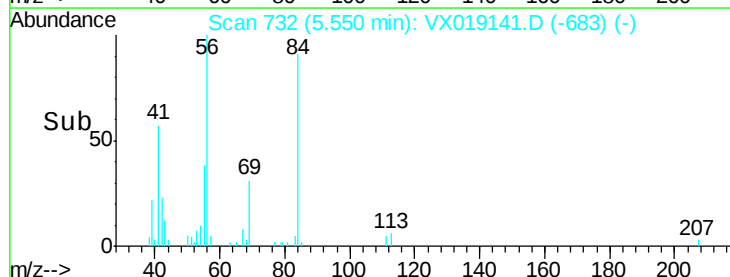
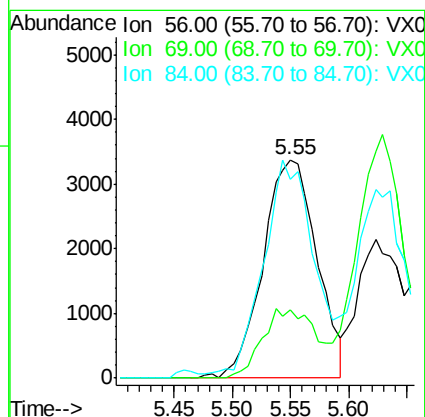
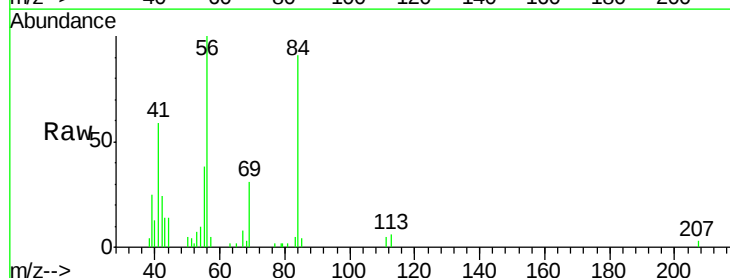
Tgt Ion: 56 Resp: 10779

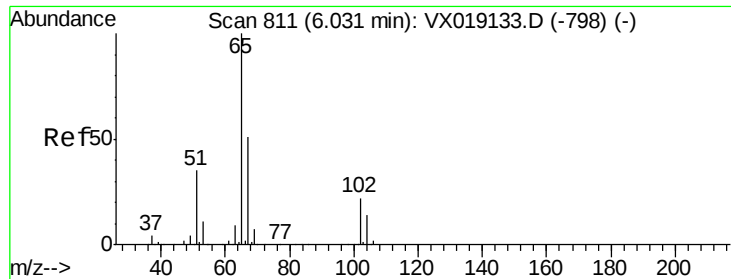
Ion Ratio Lower Upper

56 100

69 31.5 25.9 38.9

84 87.9 73.4 110.2

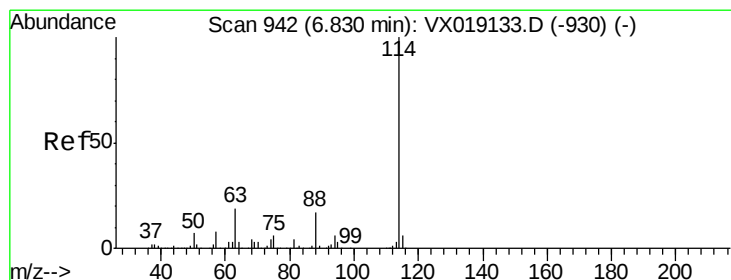
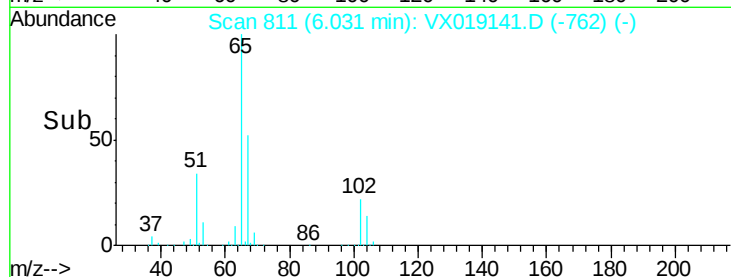
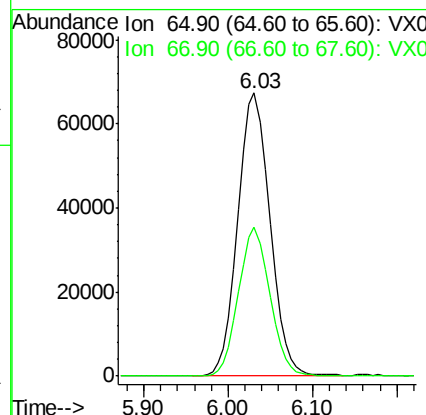
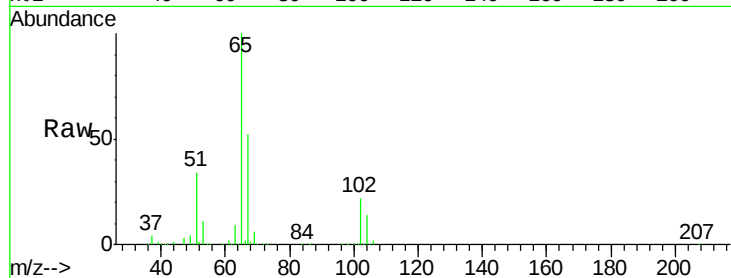




#33
 1,2-Dichloroethane-d4
 Concen: 49.572 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019141.D
 Acq: 27 Oct 2020 17:11

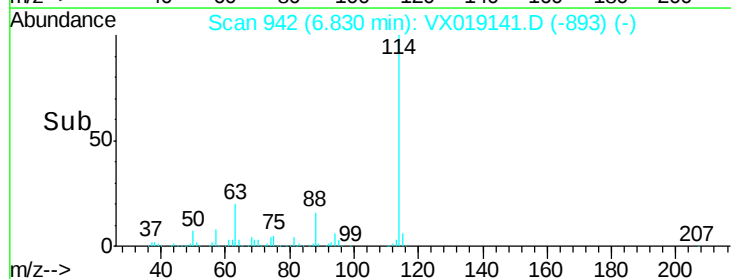
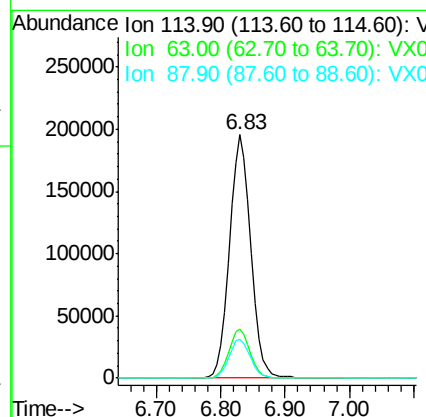
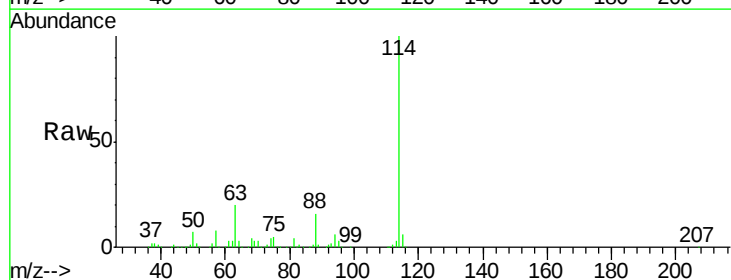
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

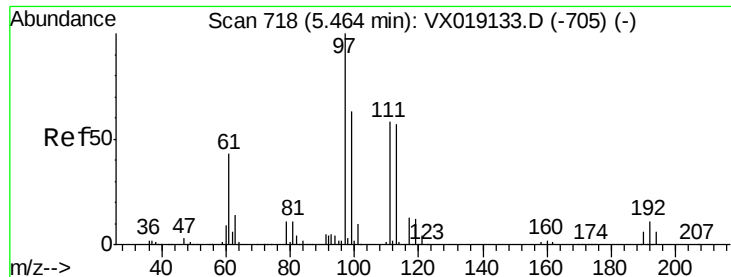
Tot Ion: 65 Resp: 174551
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019141.D
 Acq: 27 Oct 2020 17:11

Tgt Ion: 114 Resp: 456269
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 38.8
 88 15.9 0.0 34.2





#35

Dibromofluoromethane

Concen: 47.830 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

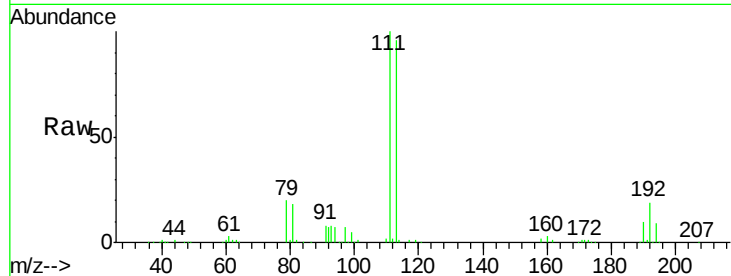
Tot Ion:113 Resp: 137081

Ion Ratio Lower Upper

113 100

111 101.8 82.3 123.5

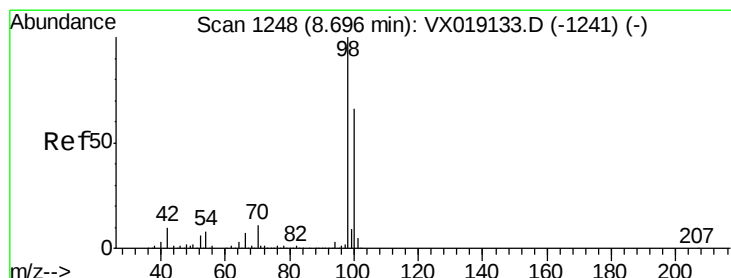
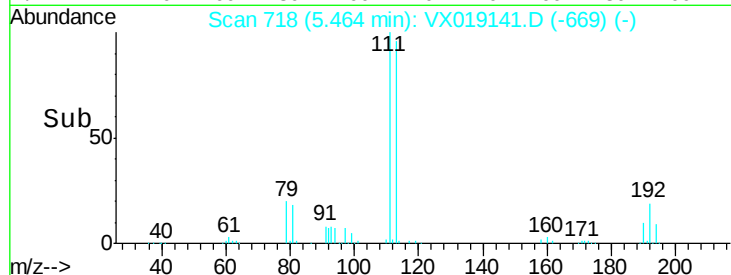
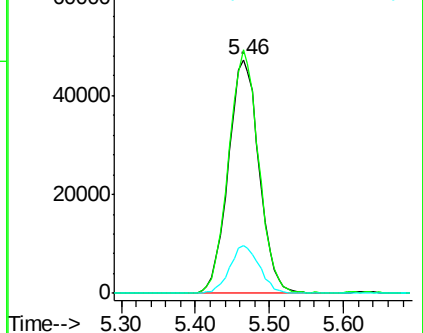
192 19.8 16.2 24.2



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



#50

Toluene-d8

Concen: 47.884 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019141.D

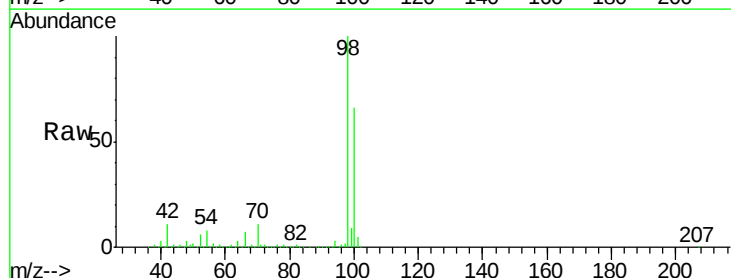
Acq: 27 Oct 2020 17:11

Tgt Ion: 98 Resp: 517324

Ion Ratio Lower Upper

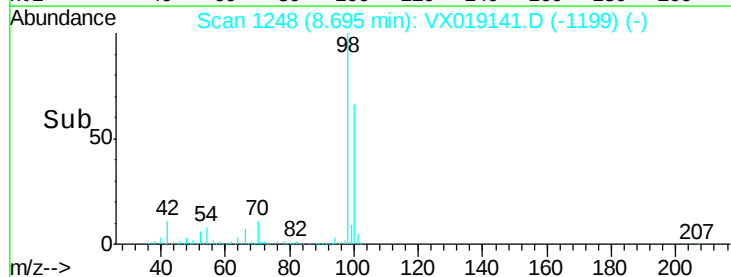
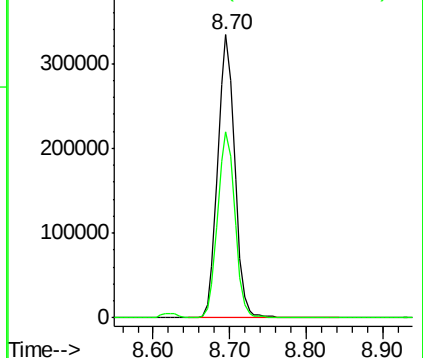
98 100

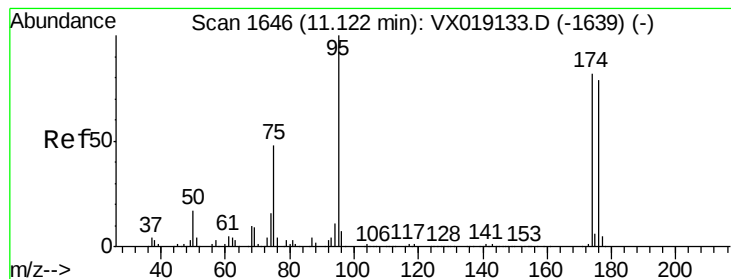
100 66.7 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.404 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

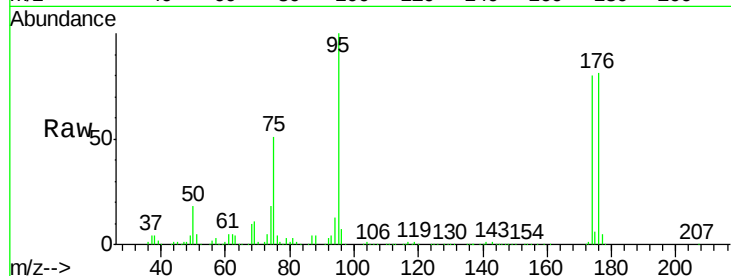
Tot Ion: 95 Resp: 189862

Ion Ratio Lower Upper

95 100

174 77.4 0.0 156.0

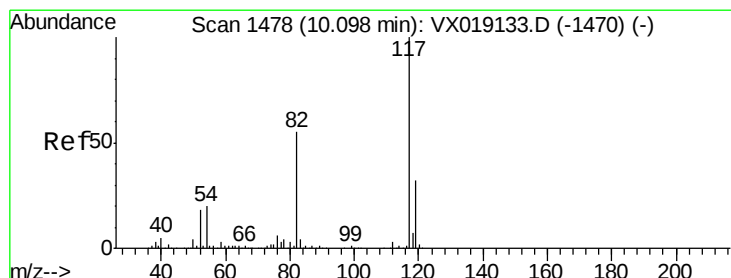
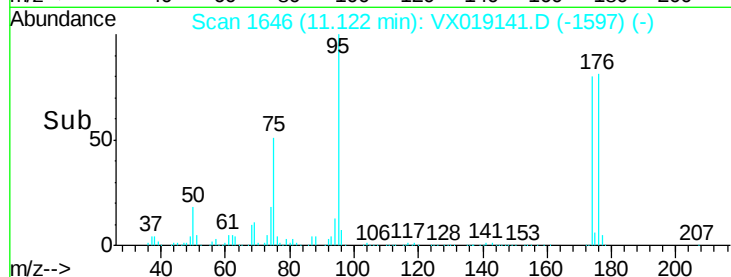
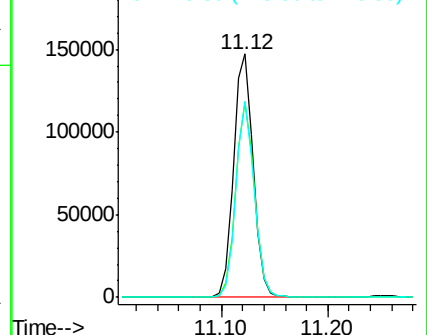
176 76.1 0.0 149.8



Abundance Ion 94.90 (94.60 to 95.60): VX019133.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX019133.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX019133.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

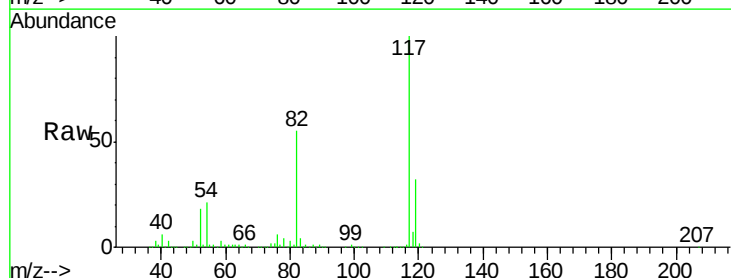
Tgt Ion: 117 Resp: 404150

Ion Ratio Lower Upper

117 100

82 55.4 43.6 65.4

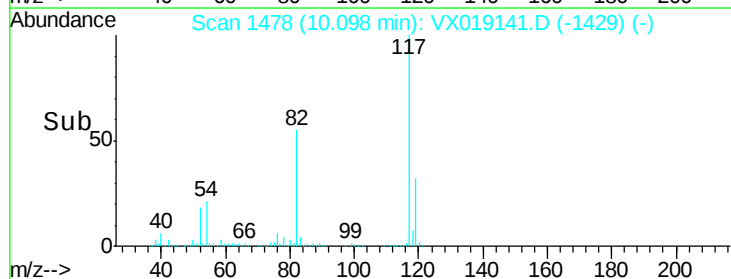
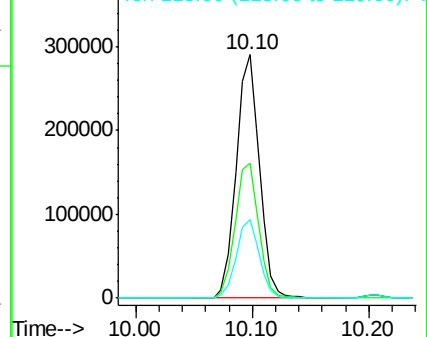
119 32.3 25.5 38.3

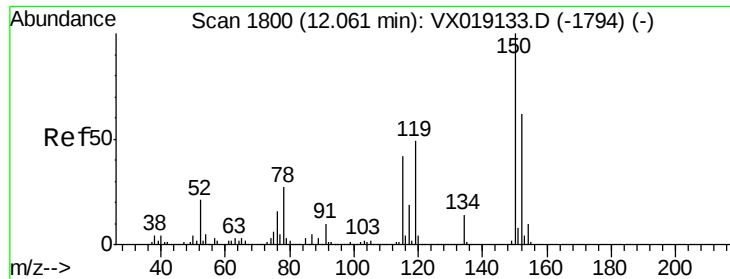


Abundance Ion 116.90 (116.60 to 117.60): VX019133.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019133.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX019133.D (-1470) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

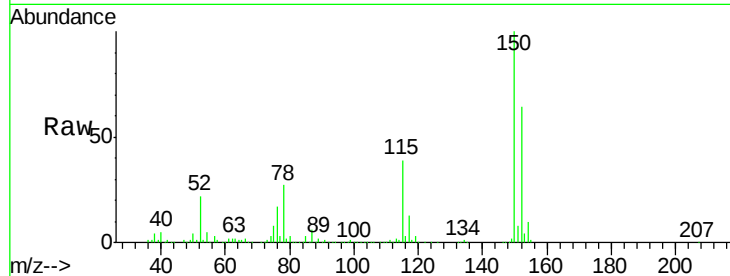
Tot Ion:152 Resp: 198041

Ion Ratio Lower Upper

152 100

115 61.1 41.9 125.7

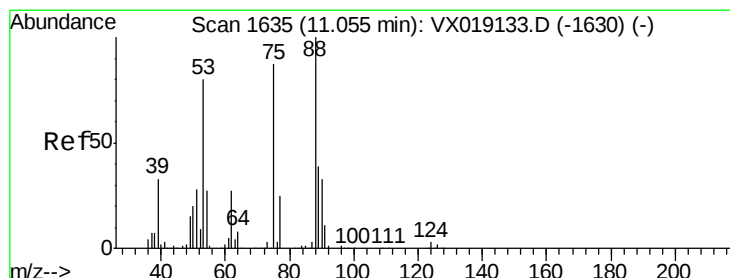
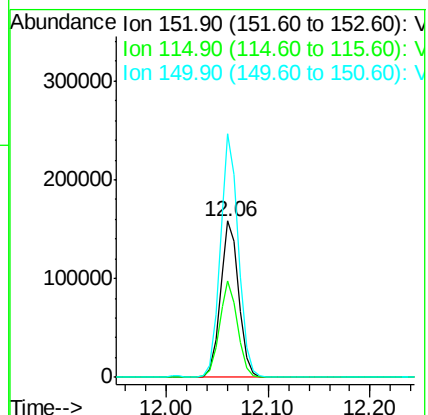
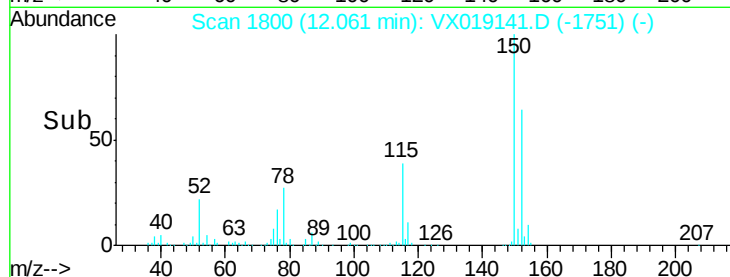
150 154.6 0.0 347.8



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



#81

trans-1,4-Dichloro-2-butene

Concen: 1.898 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

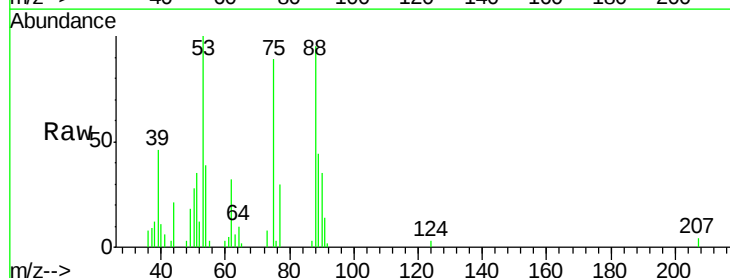
Tgt Ion: 75 Resp: 2948

Ion Ratio Lower Upper

75 100

53 109.2 73.3 109.9

89 50.1 38.2 57.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

