

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100720\
 Data File : VN063937.D
 Acq On : 7 Oct 2020 12:08
 Operator : JC/MD
 Sample : L4253-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Oct 08 04:59:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	231725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	416422	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	427143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	164710	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	198798	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
35) Dibromofluoromethane	7.55	113	145241	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
50) Toluene-d8	10.06	98	536113	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
62) 4-Bromofluorobenzene	12.38	95	204968	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	

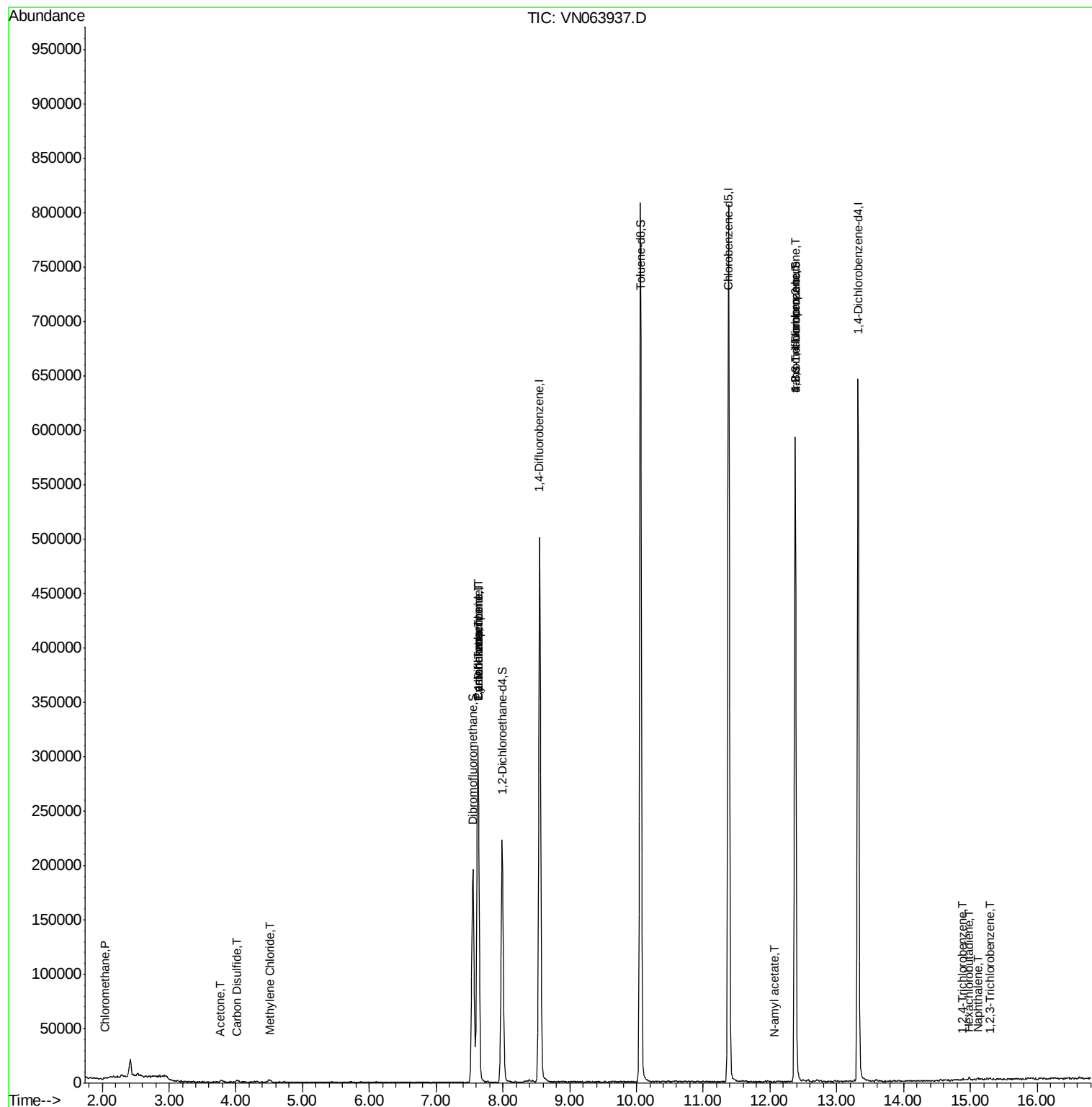
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1665	0.580	ug/l #	86
16) Acetone	3.78	43	1525	1.294	ug/l #	83
17) Carbon Disulfide	4.01	76	735	0.815	ug/l #	76
20) Methylene Chloride	4.51	84	909	0.434	ug/l #	63
31) Cyclohexane	7.62	56	6040	1.359	ug/l #	32
36) 1,1-Dichloropropene	7.63	75	21358	5.063	ug/l #	50
38) Carbon Tetrachloride	7.63	117	25703	5.433	ug/l #	14
74) N-amyl acetate	12.06	43	280	2.264	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	113193	31.175	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	113193	89.790	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.89	180	451	1.888	ug/l #	64
94) Hexachlorobutadiene	14.98	225	331	0.298	ug/l	70
95) Naphthalene	15.11	128	1973	2.138	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.29	180	491	1.739	ug/l #	85

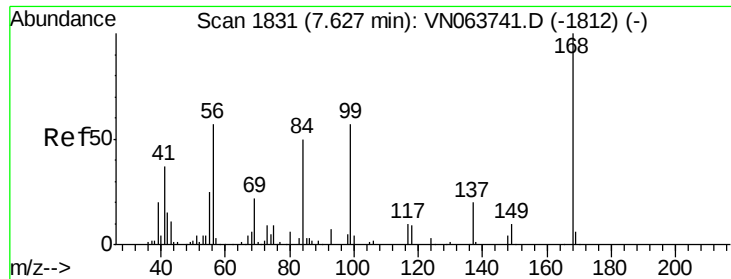
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063937.D

Acq: 7 Oct 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

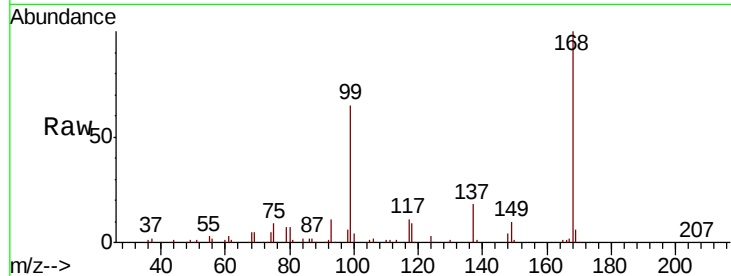
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 231725

Ion Ratio Lower Upper

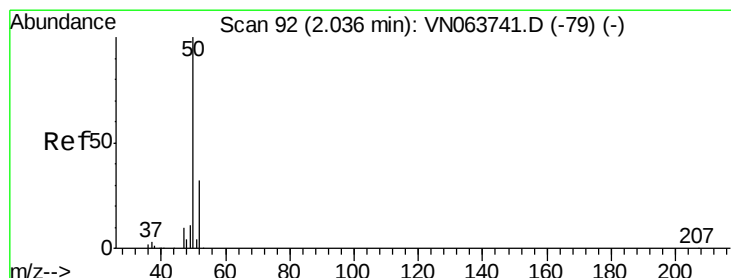
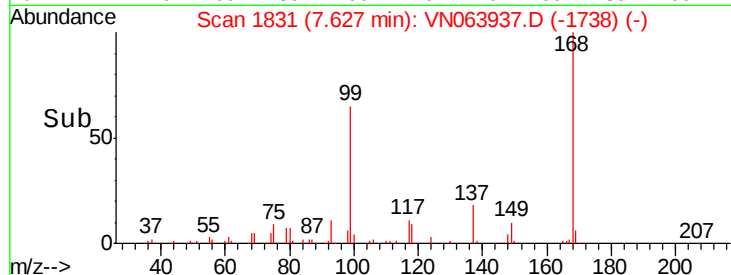
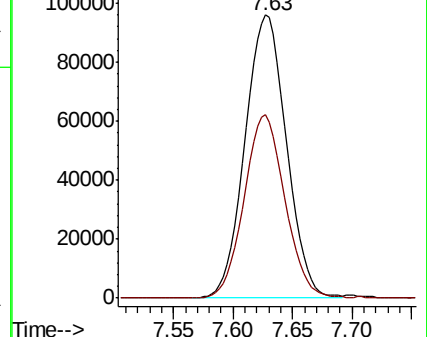
168 100

99 64.7 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.580 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063937.D

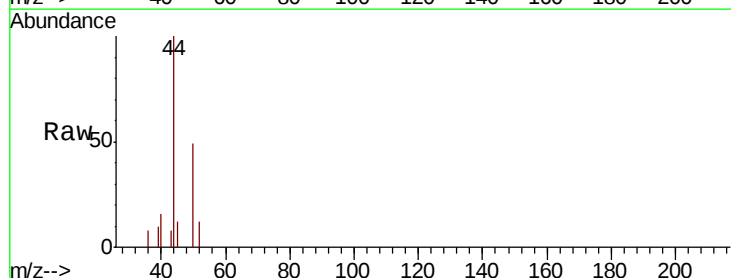
Acq: 7 Oct 2020 12:08

Tgt Ion: 50 Resp: 1665

Ion Ratio Lower Upper

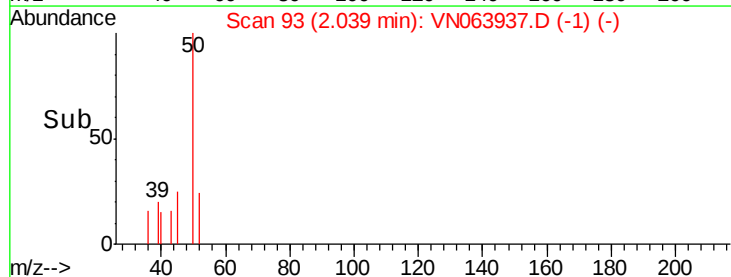
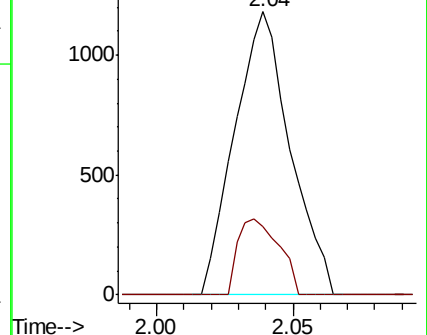
50 100

52 24.2 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#16

Acetone

Concen: 1.294 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063937.D

Acq: 7 Oct 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

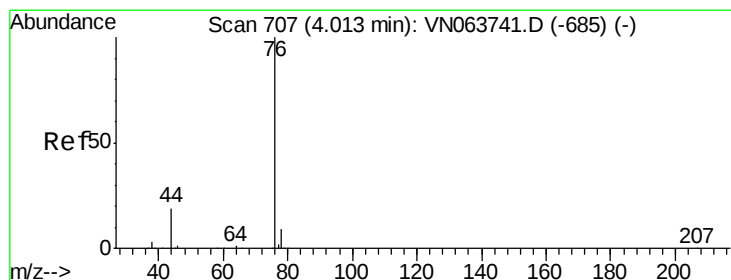
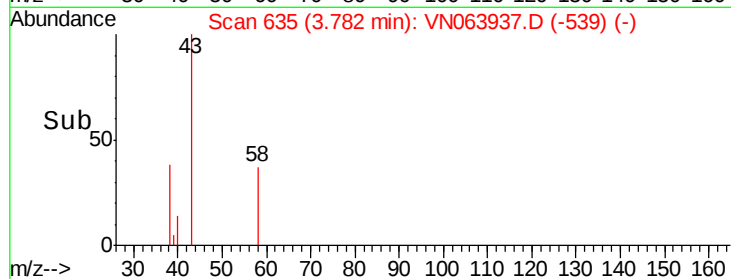
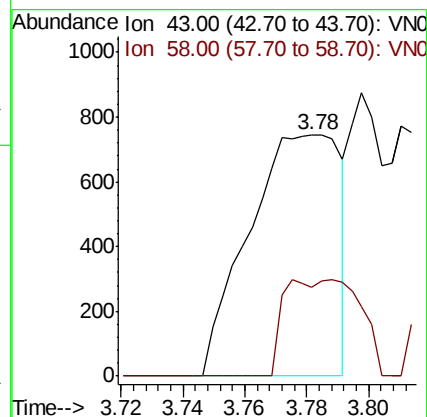
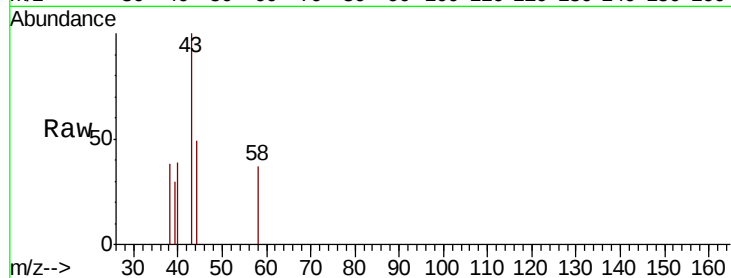
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 1525

Ion Ratio Lower Upper

43 100

58 37.0 22.3 33.5#



#17

Carbon Disulfide

Concen: 0.815 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.01 min

Lab File: VN063937.D

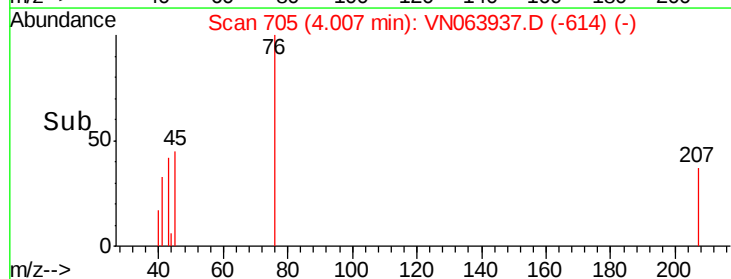
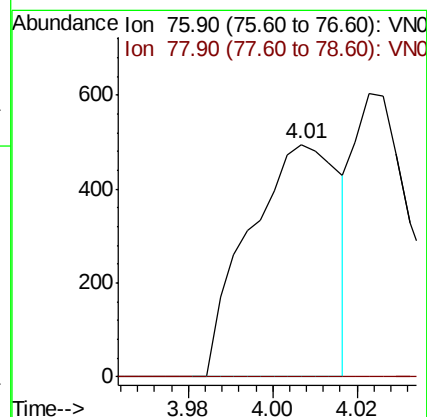
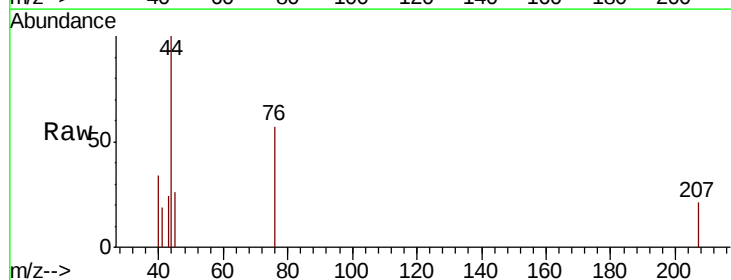
Acq: 7 Oct 2020 12:08

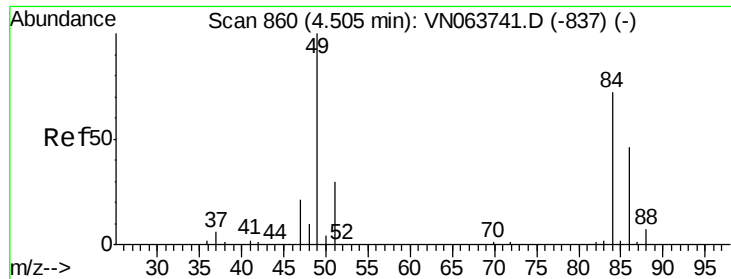
Tgt Ion: 76 Resp: 735

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#

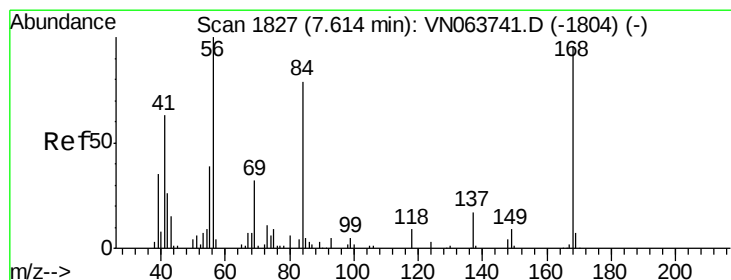
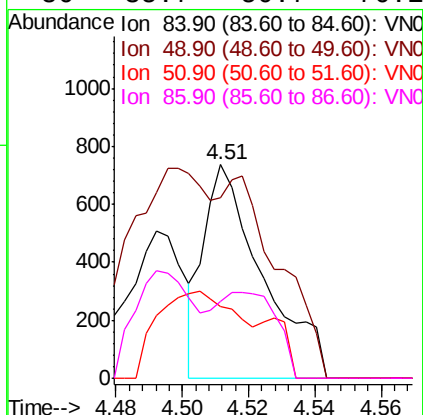
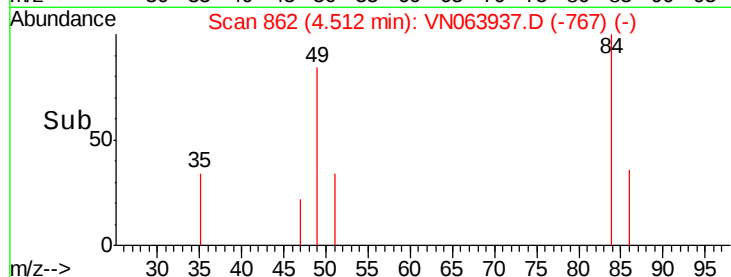
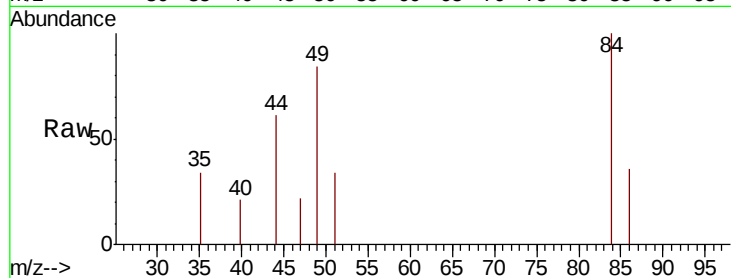




#20
Methvlene Chloride
Concen: 0.434 ug/l
RT: 4.51 min Scan# 862
Delta R.T. 0.01 min
Lab File: VN063937.D
Acq: 7 Oct 2020 12:08

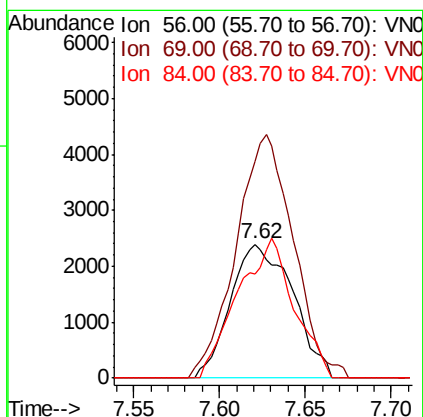
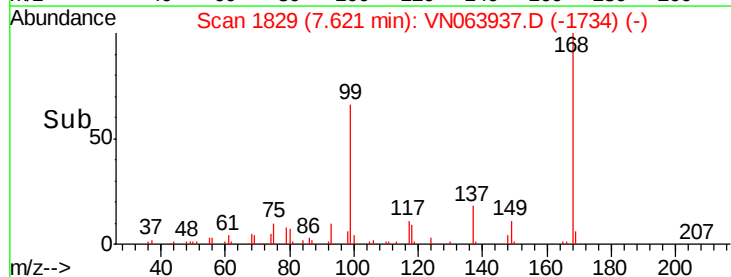
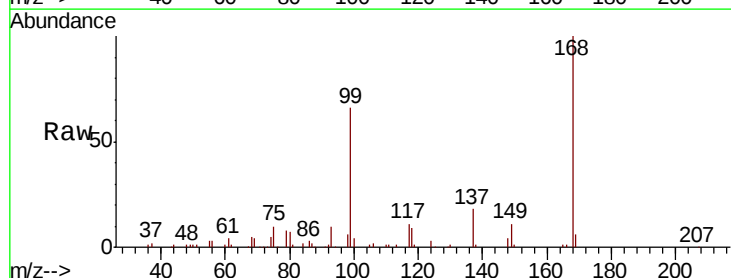
Instrument :
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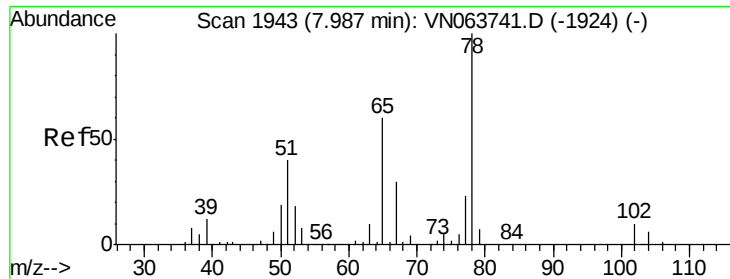
Tot Ion: 84 Resp: 909
Ion Ratio Lower Upper
84 100
49 84.4 110.4 165.6#
51 33.6 33.3 49.9
86 35.7 50.7 76.1#



#31
Cyclohexane
Concen: 1.359 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063937.D
Acq: 7 Oct 2020 12:08

Tgt Ion: 56 Resp: 6040
Ion Ratio Lower Upper
56 100
69 161.9 25.4 38.2#
84 78.2 63.3 94.9

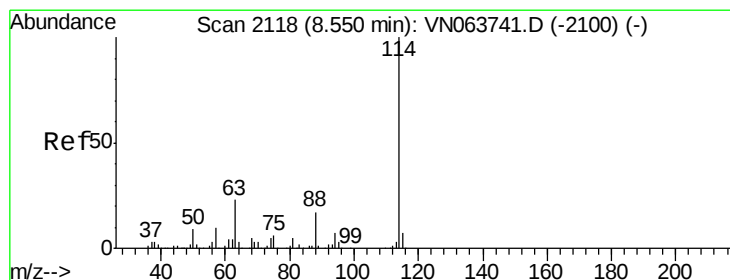
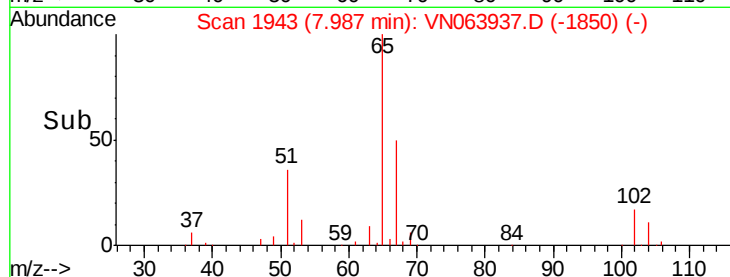
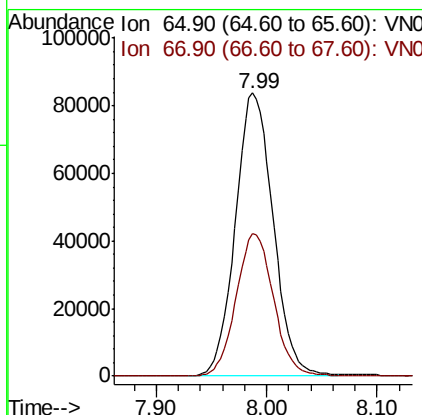
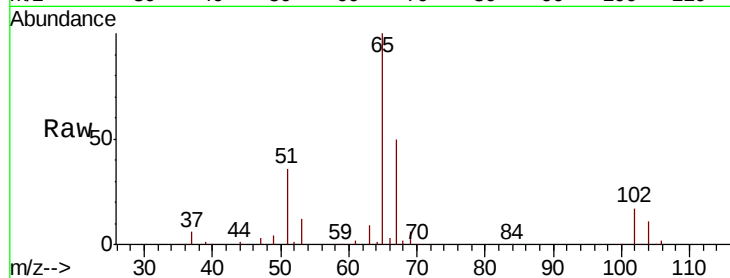




#33
 1,2-Dichloroethane-d4
 Concen: 51.929 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063937.D
 Acq: 7 Oct 2020 12:08

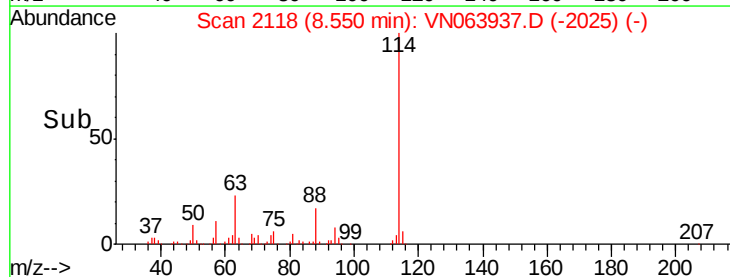
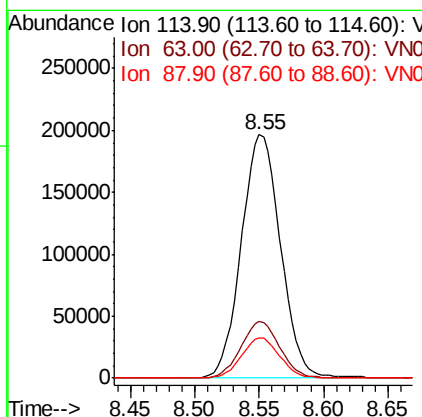
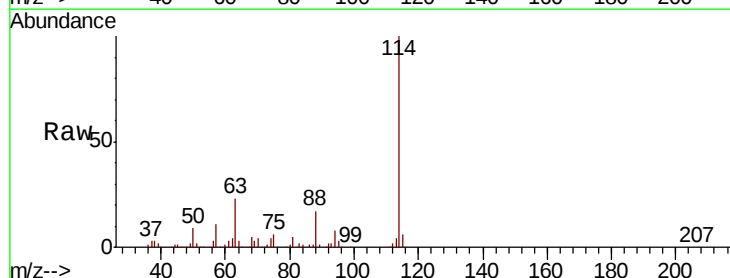
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

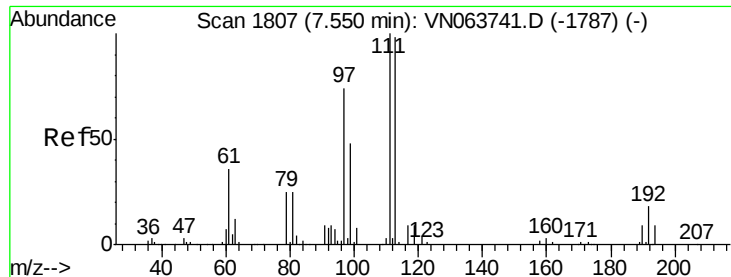
Tot Ion: 65 Resp: 198798
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063937.D
 Acq: 7 Oct 2020 12:08

Tgt Ion: 114 Resp: 416422
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 45.0
 88 16.7 0.0 34.0

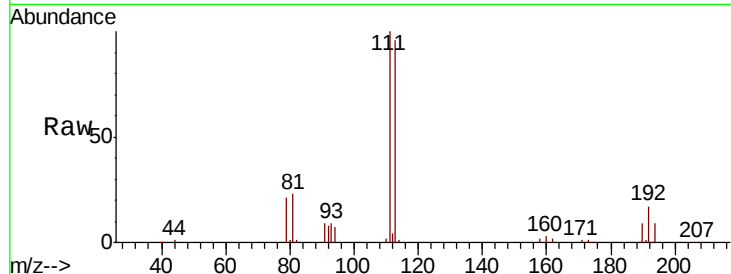




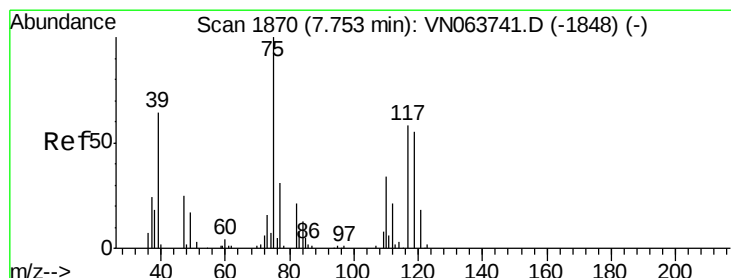
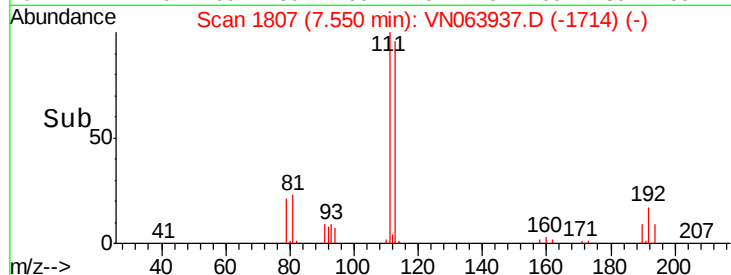
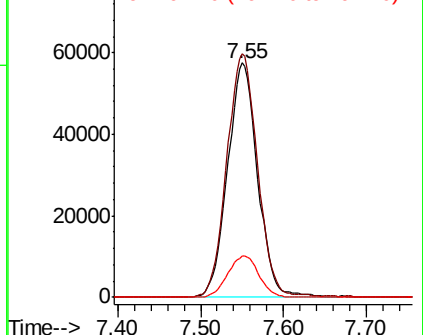
#35
Dibromofluoromethane
Concen: 50.266 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063937.D
Acq: 7 Oct 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tot Ion	Ratio	Lower	Upper
113	100		
111	106.2	81.8	122.8
192	18.2	14.2	21.2

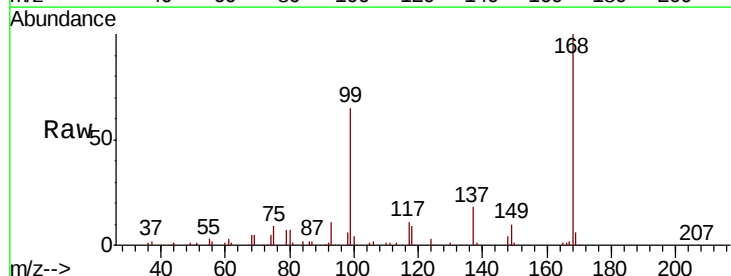


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

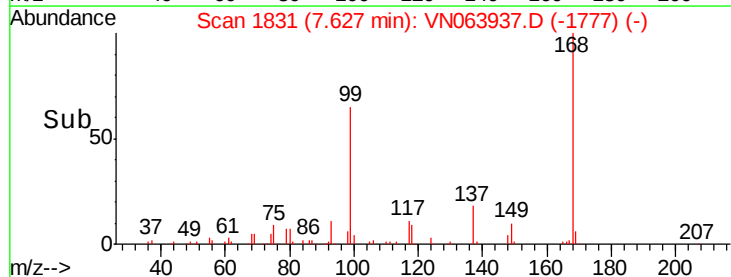
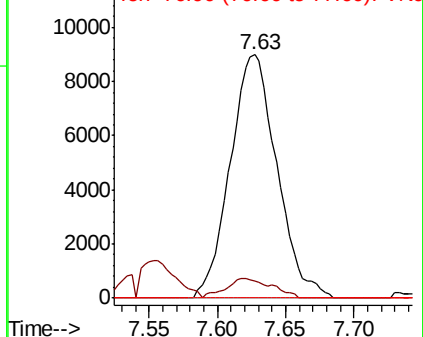


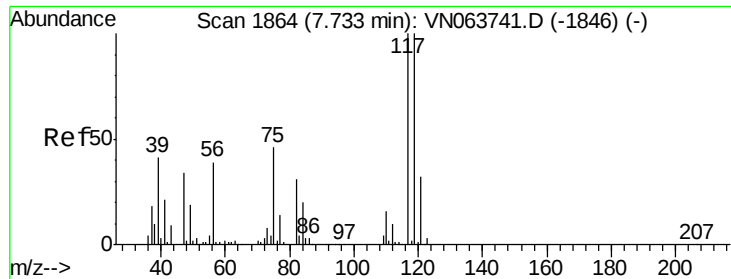
#36
1,1-Dichloropropene
Concen: 5.063 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.13 min
Lab File: VN063937.D
Acq: 7 Oct 2020 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.9	50.6#
77	0.0	24.5	36.7#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.433 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063937.D

Acq: 7 Oct 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

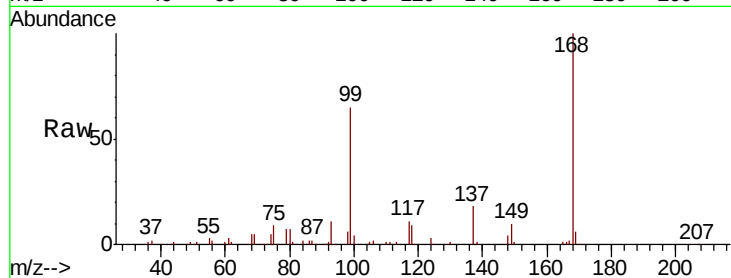
Tot Ion:117 Resp: 25703

Ion Ratio Lower Upper

117 100

119 4.3 80.1 120.1#

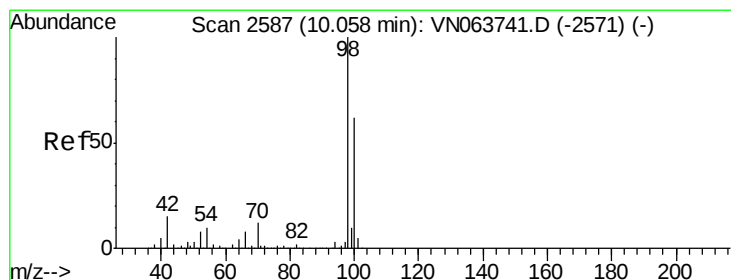
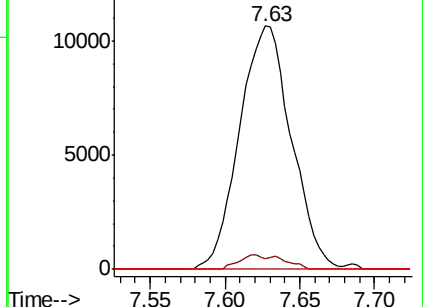
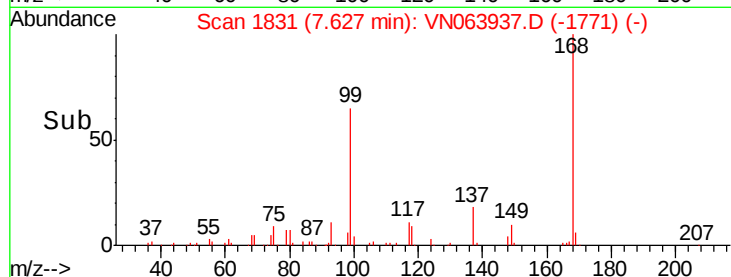
121 0.0 25.7 38.5#



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



#50

Toluene-d8

Concen: 48.944 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063937.D

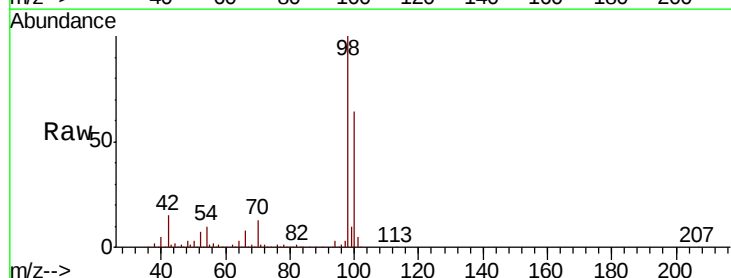
Acq: 7 Oct 2020 12:08

Tgt Ion: 98 Resp: 536113

Ion Ratio Lower Upper

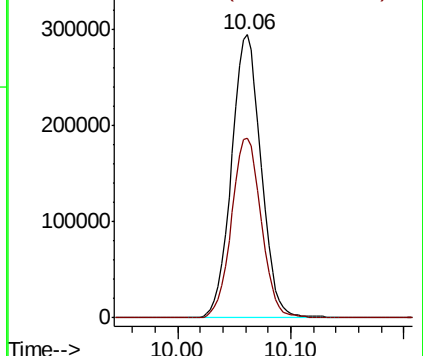
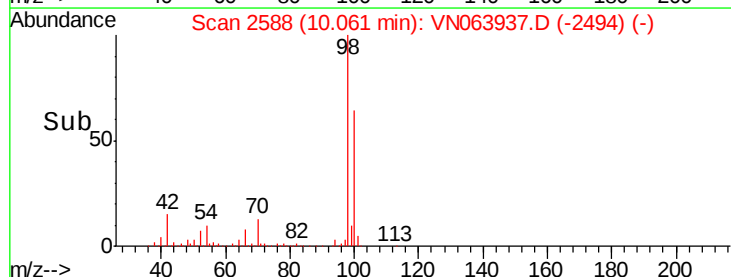
98 100

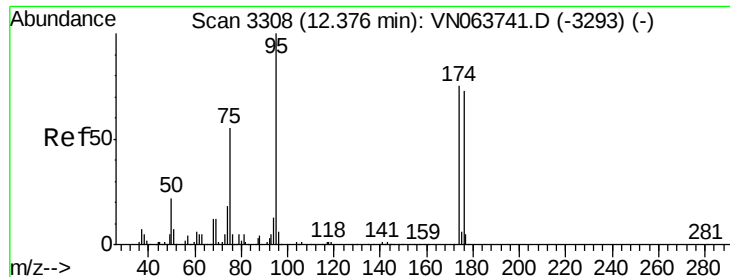
100 63.7 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 49.779 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063937.D

Acq: 7 Oct 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

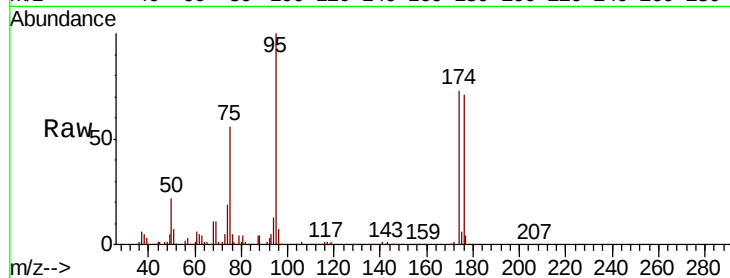
Tot Ion: 95 Resp: 204968

Ion Ratio Lower Upper

95 100

174 74.2 0.0 150.6

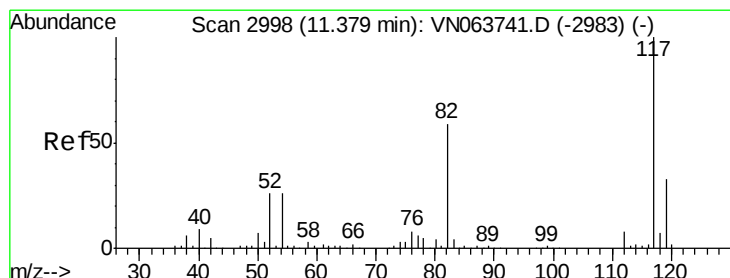
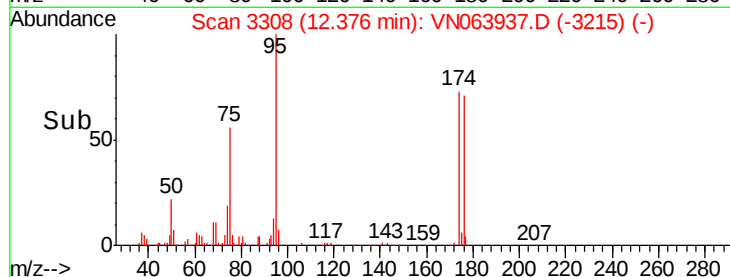
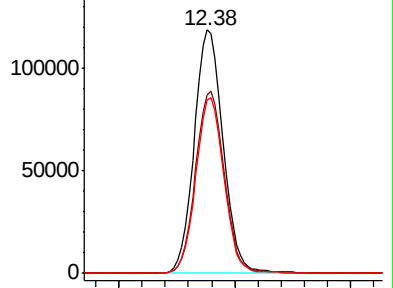
176 70.6 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN

Ion 175.80 (175.50 to 176.50): VN



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063937.D

Acq: 7 Oct 2020 12:08

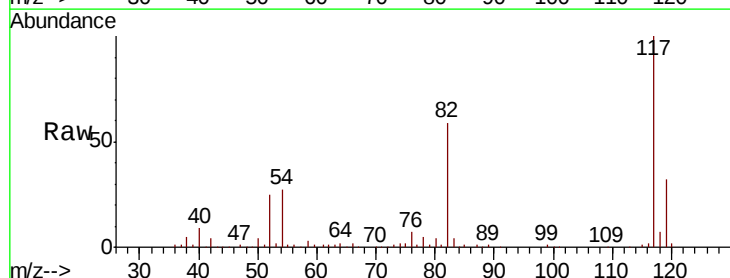
Tgt Ion: 117 Resp: 427143

Ion Ratio Lower Upper

117 100

82 59.2 47.4 71.2

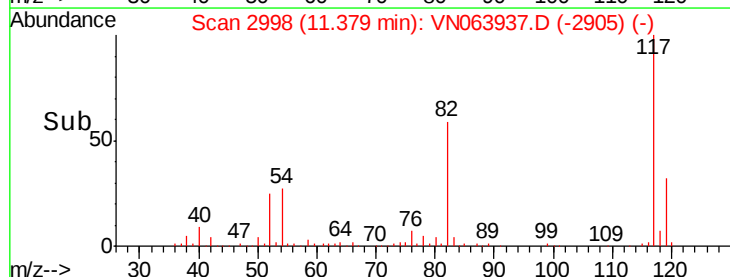
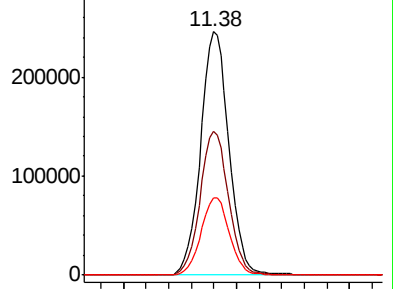
119 31.7 26.4 39.6

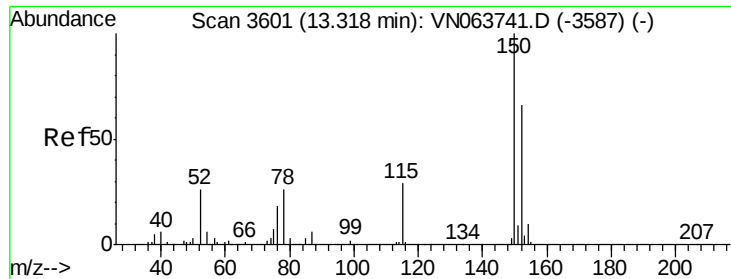


Abundance Ion 116.90 (116.60 to 117.60): VN

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): VN





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063937.D

Acq: 7 Oct 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

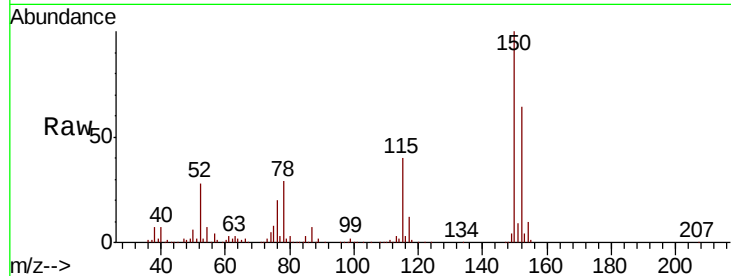
Tot Ion:152 Resp: 164710

Ion Ratio Lower Upper

152 100

115 62.6 31.3 93.8

150 155.0 0.0 341.8

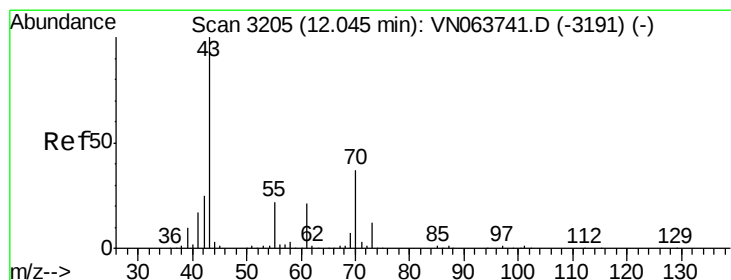
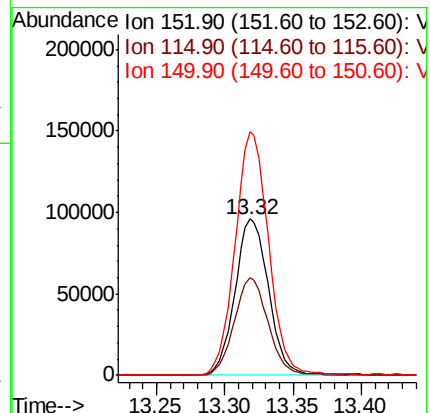
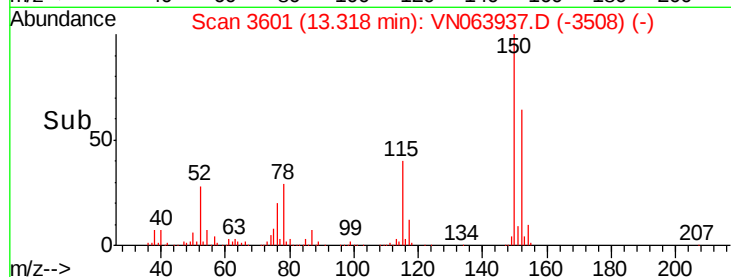


Abundance

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



#74

N-ethyl acetate

Concen: 2.264 ug/l

RT: 12.06 min Scan# 3209

Delta R.T. 0.01 min

Lab File: VN063937.D

Acq: 7 Oct 2020 12:08

Tgt Ion: 43 Resp: 280

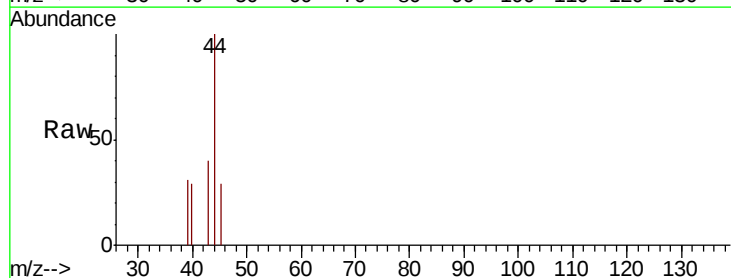
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#



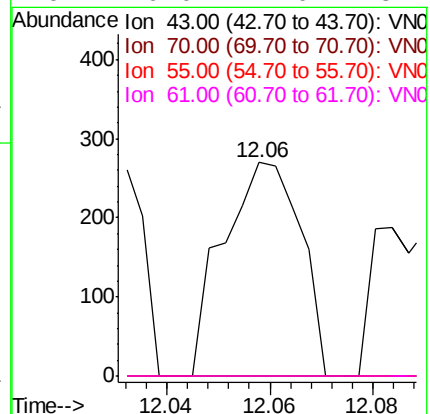
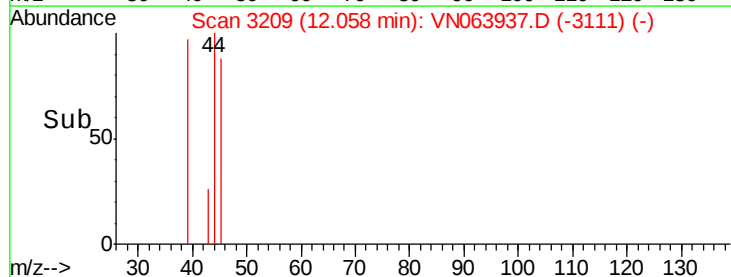
Abundance

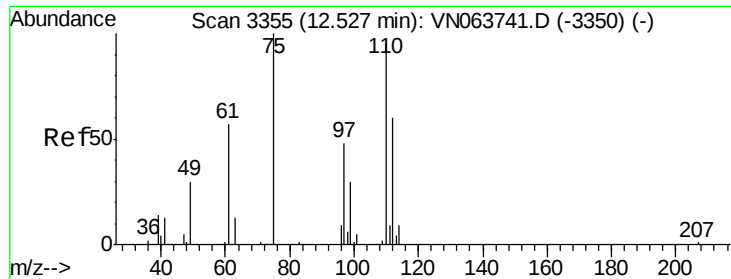
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 31.175 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063937.D

Acq: 7 Oct 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

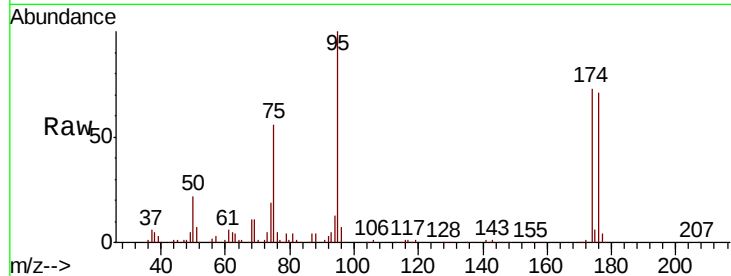
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 113193

Ion Ratio Lower Upper

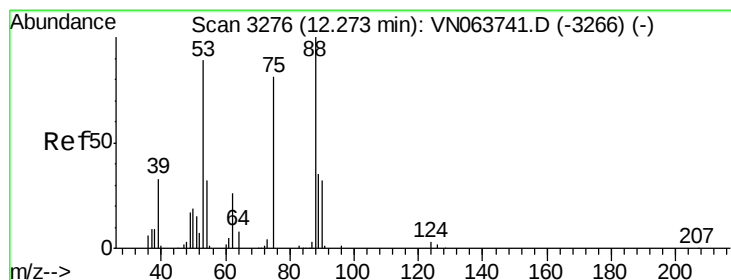
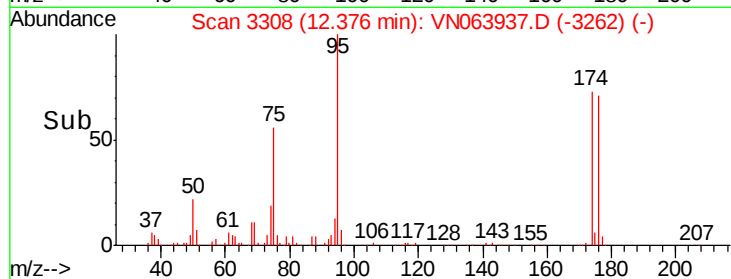
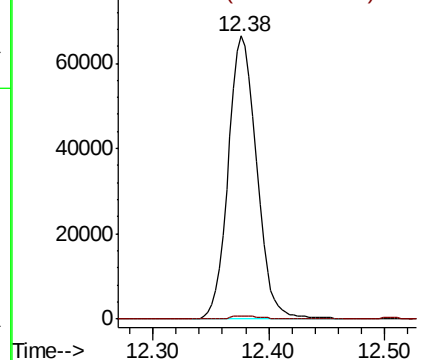
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 89.790 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063937.D

Acq: 7 Oct 2020 12:08

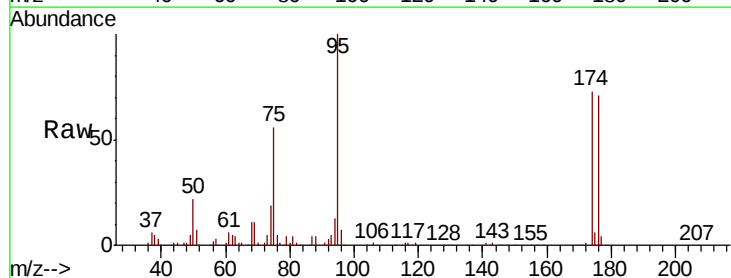
Tgt Ion: 75 Resp: 113193

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

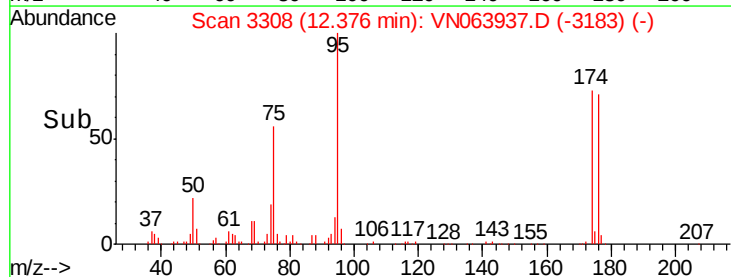
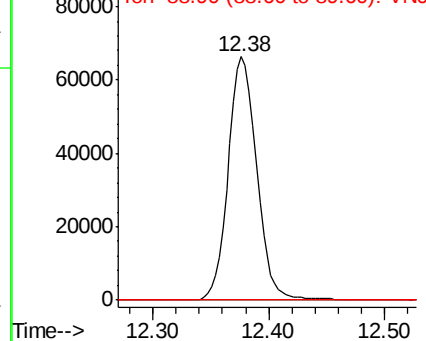
89 0.0 36.0 54.0#

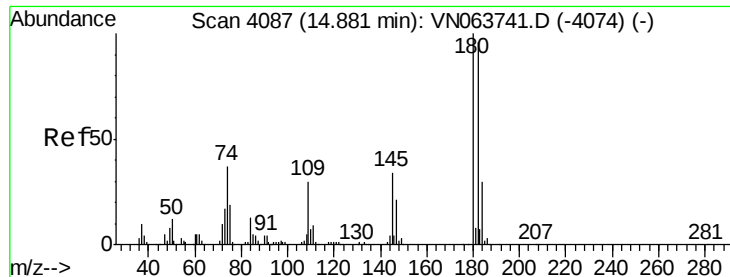


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

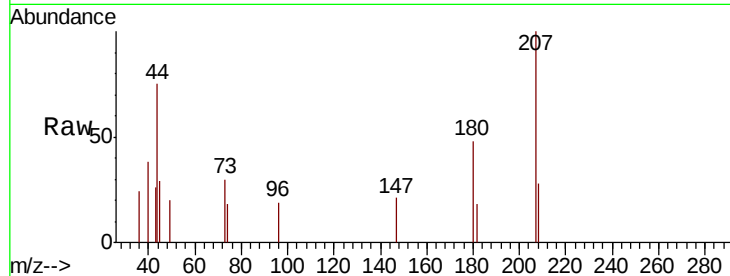




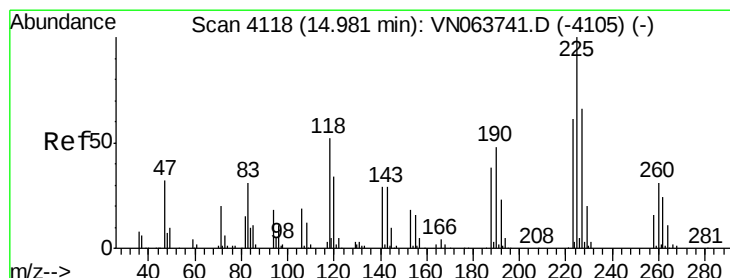
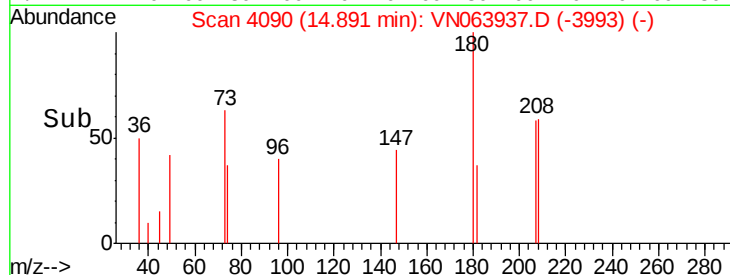
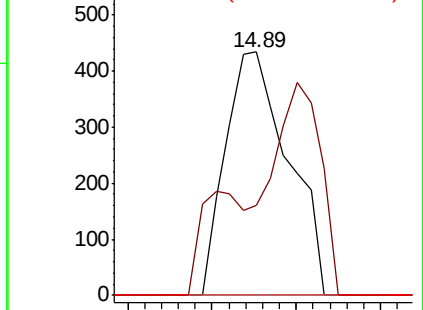
#93
 1,2,4-Trichlorobenzene
 Concen: 1.888 ug/l
 RT: 14.89 min Scan# 4090
 Delta R.T. 0.01 min
 Lab File: VN063937.D
 Acq: 7 Oct 2020 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Tot Ion:180 Resp: 451
 Ion Ratio Lower Upper
 180 100
 182 69.4 48.2 144.6
 145 0.0 17.1 51.2#

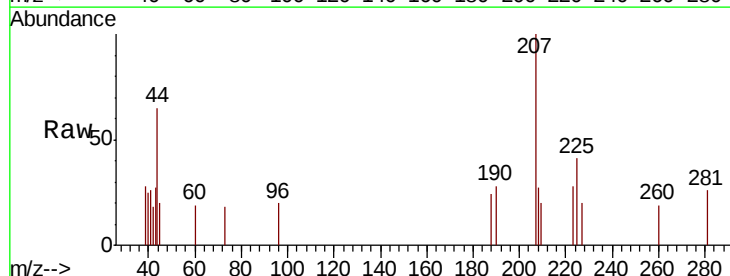


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

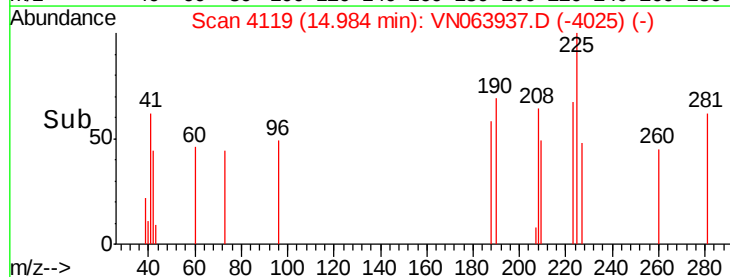
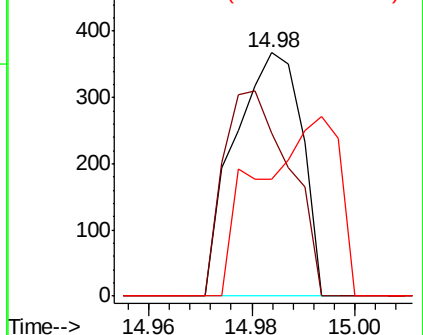


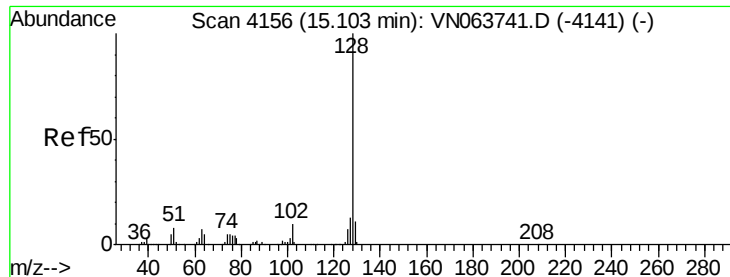
#94
 Hexachlorobutadiene
 Concen: 0.298 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063937.D
 Acq: 7 Oct 2020 12:08

Tgt Ion:225 Resp: 331
 Ion Ratio Lower Upper
 225 100
 223 82.8 30.3 91.0
 227 87.9 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 2.138 ug/l

RT: 15.11 min Scan# 4159

Delta R.T. 0.01 min

Lab File: VN063937.D

Acq: 7 Oct 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

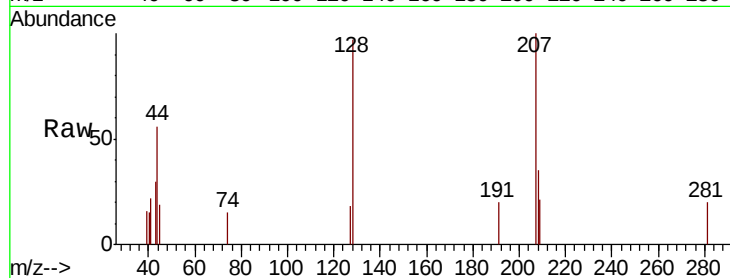
Tot Ion:128 Resp: 1973

Ion Ratio Lower Upper

128 100

127 4.0 10.5 15.7#

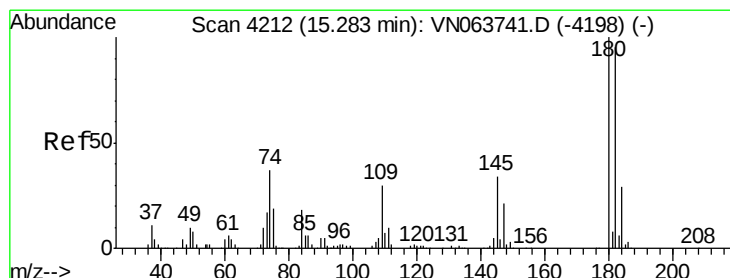
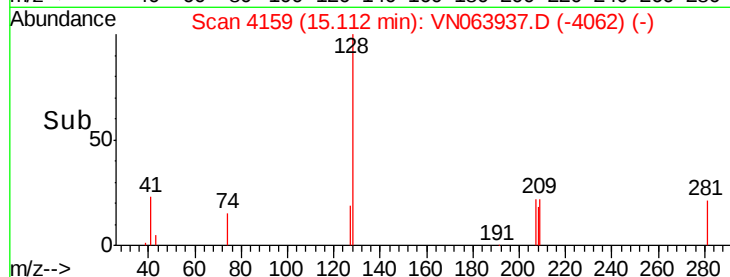
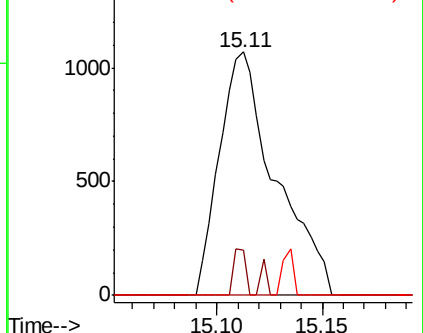
129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.739 ug/l

RT: 15.29 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN063937.D

Acq: 7 Oct 2020 12:08

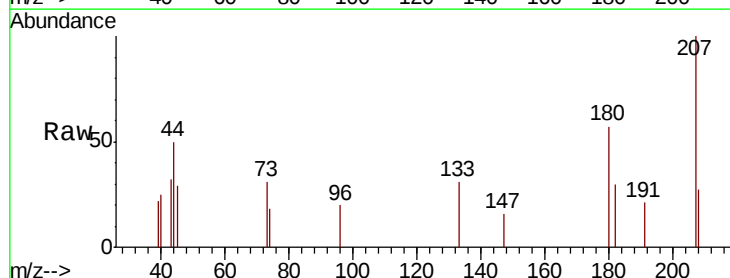
Tgt Ion:180 Resp: 491

Ion Ratio Lower Upper

180 100

182 87.8 47.9 143.6

145 14.9 17.2 51.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

