

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070620\
 Data File : VN062378.D
 Acq On : 6 Jul 2020 21:32
 Operator : JC/MD
 Sample : L3192-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW180-SOIL-610-614

Quant Time: Jul 07 05:21:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070620W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 07 05:08:51 2020
 Response via : Initial Calibration

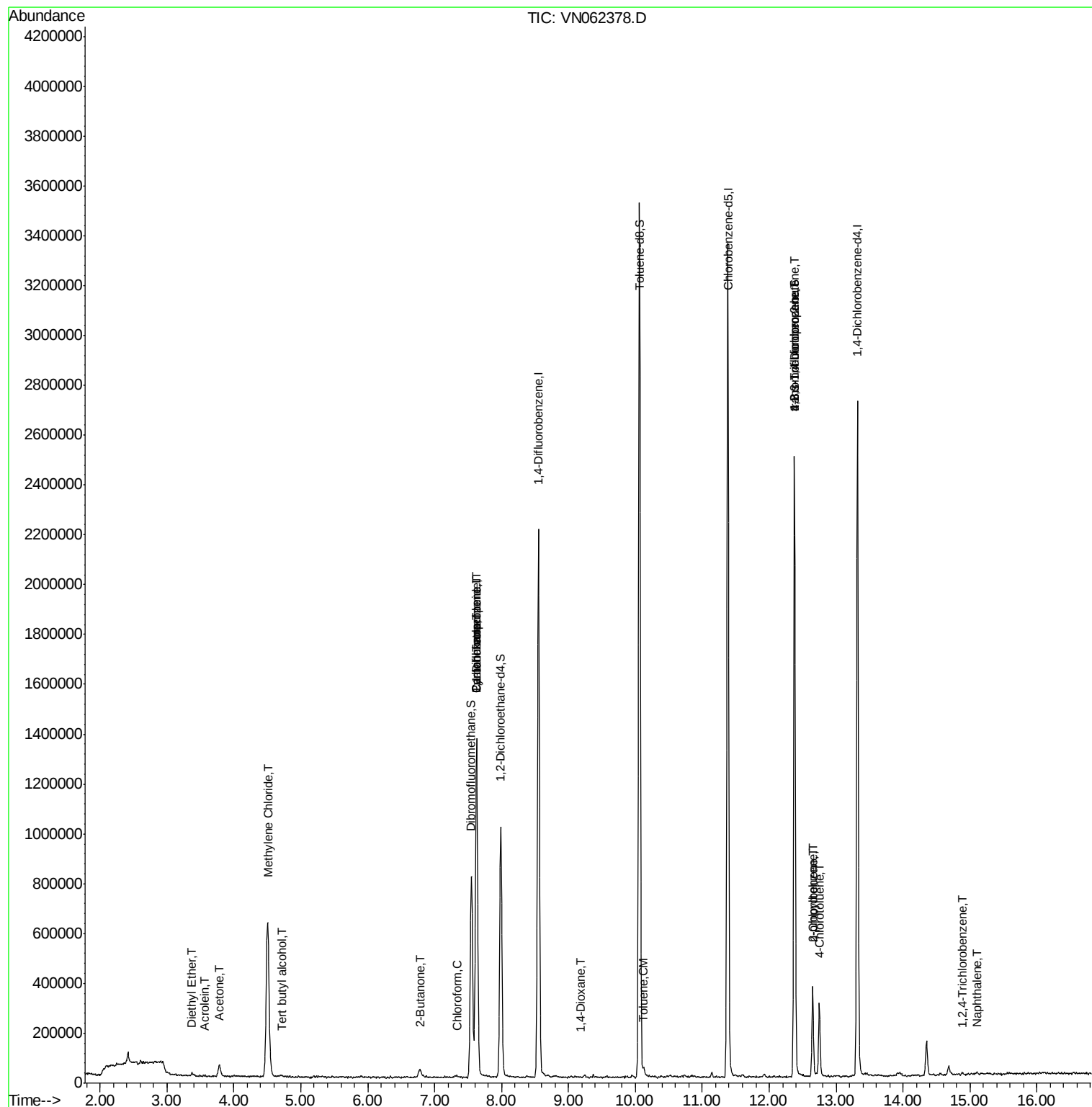
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	982582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	1752625	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	1697417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	657238	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	878456	49.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.84%	
35) Dibromofluoromethane	7.55	113	604351	50.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.10%	
50) Toluene-d8	10.06	98	2264858	50.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.34%	
62) 4-Bromofluorobenzene	12.38	95	814304	47.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.14%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.37	74	5983	0.795	ug/l	79
11) Tert butyl alcohol	4.72	59	3645	1.481	ug/l #	85
13) Acrolein	3.56	56	234	0.560	ug/l #	12
16) Acetone	3.78	43	80263	9.795	ug/l	96
18) Methyl Acetate	4.27	43	1144	Below Cal	#	3
20) Methylene Chloride	4.50	84	417103	34.318	ug/l	96
23) Vinyl Acetate	5.86	43	1094	Below Cal	#	77
25) 2-Butanone	6.80	43	6830	0.662	ug/l #	71
30) Chloroform	7.33	83	6630	0.279	ug/l #	73
31) Cyclohexane	7.63	56	28036	1.244	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	93184	5.060	ug/l #	49
38) Carbon Tetrachloride	7.63	117	111490	6.020	ug/l #	16
49) 1,4-Dioxane	9.18	88	1128	4.456	ug/l #	61
52) Toluene	10.12	92	9046	0.289	ug/l	86
76) 1,2,3-Trichloropropane	12.38	75	469929	29.602	ug/l #	100
78) n-propylbenzene	12.65	91	198121	3.298	ug/l #	54
79) 2-Chlorotoluene	12.65	91	198121	5.613	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	469929	84.653	ug/l #	4
82) 4-Chlorotoluene	12.75	91	171805	4.759	ug/l	98
93) 1,2,4-Trichlorobenzene	14.89	180	565	2.781	ug/l #	39
94) Hexachlorobutadiene	14.97	225	142	Below Cal	#	50
95) Naphthalene	15.11	128	2600	2.155	ug/l #	76

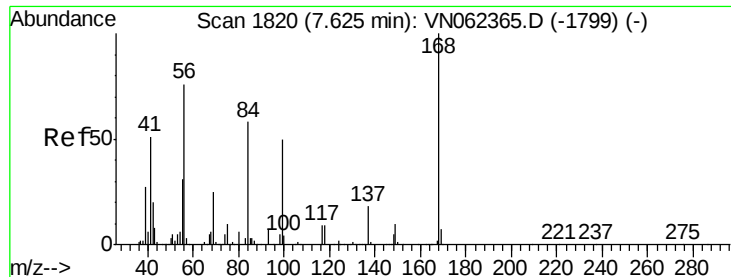
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070620\
Data File : VN062378.D
Acq On : 6 Jul 2020 21:32
Operator : JC/MD
Sample : L3192-15
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-SOIL-610-614

Quant Time: Jul 07 05:21:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N070620W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 07 05:08:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062378.D

Acq: 6 Jul 2020 21:32

Instrument :

MSVOA_N

ClientSampleId :

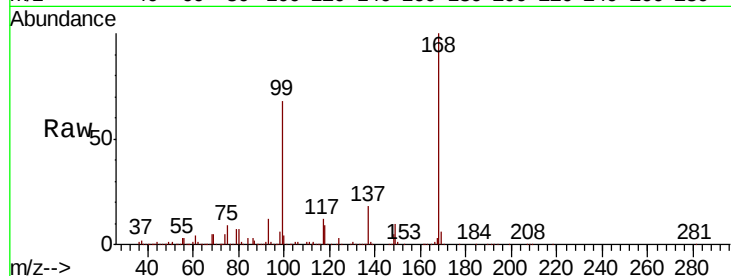
BP-MW180-SOIL-610-614

Tot Ion:168 Resp: 982582

Ion Ratio Lower Upper

168 100

99 68.1 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

400000

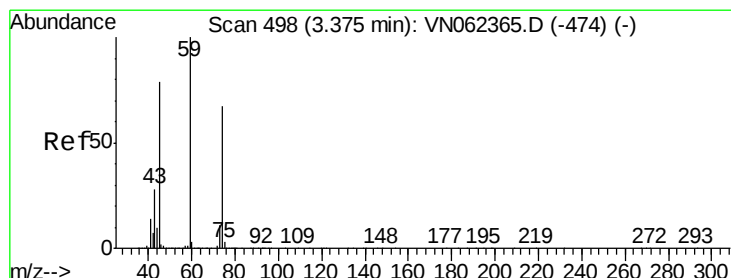
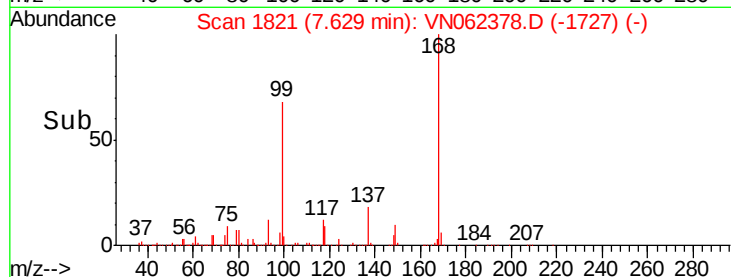
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 0.795 ug/l

RT: 3.37 min Scan# 498

Delta R.T. 0.00 min

Lab File: VN062378.D

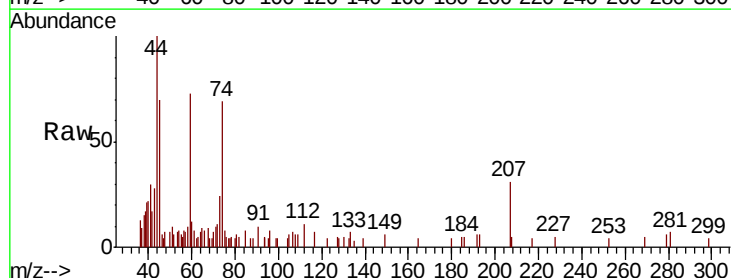
Acq: 6 Jul 2020 21:32

Tgt Ion: 74 Resp: 5983

Ion Ratio Lower Upper

74 100

45 96.5 59.9 179.7



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN

3.37

4000

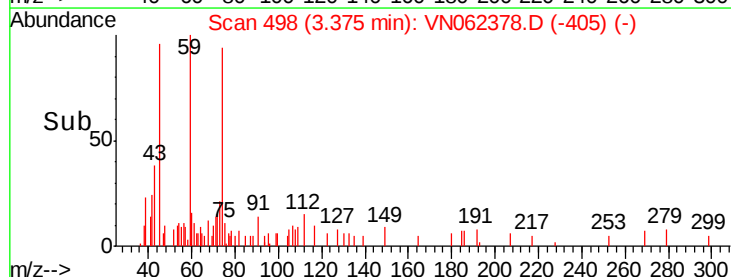
3000

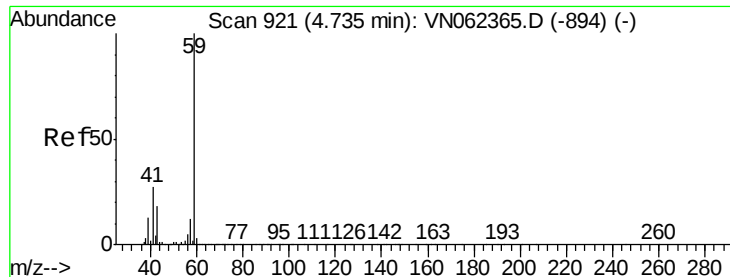
2000

1000

0

Time-->



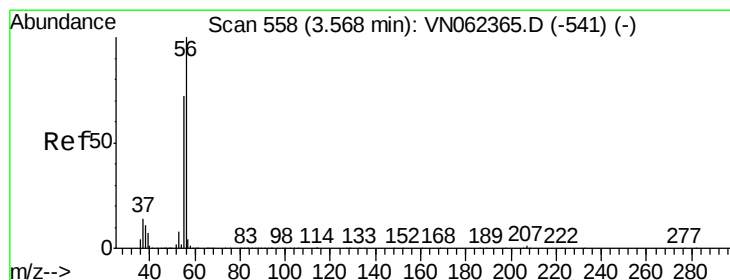
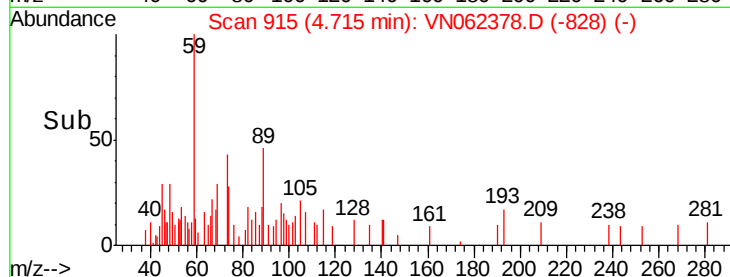
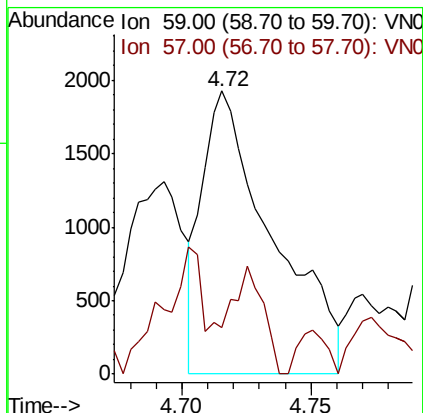
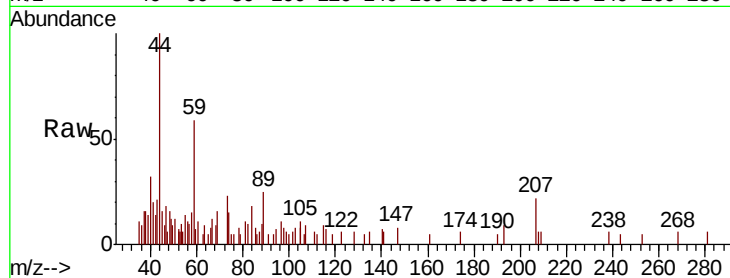


#11

Tert butyl alcohol
Concen: 1.481 ug/l
RT: 4.72 min Scan# 915
Delta R.T. -0.02 min
Lab File: VN062378.D
Acq: 6 Jul 2020 21:32

Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-SOIL-610-614

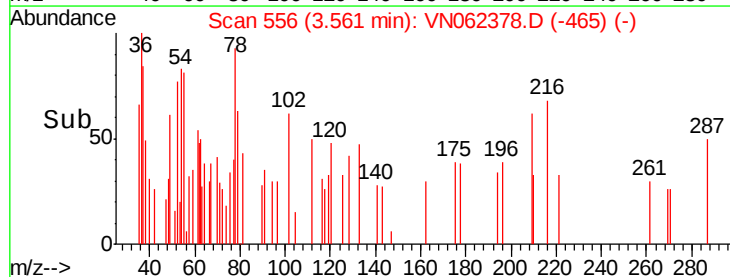
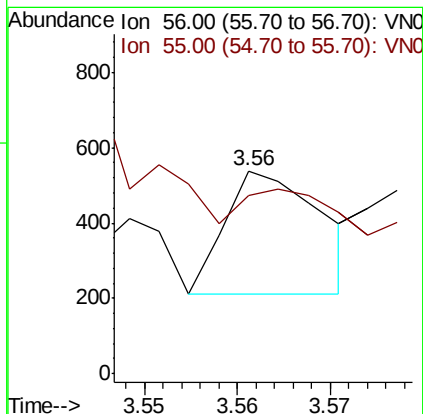
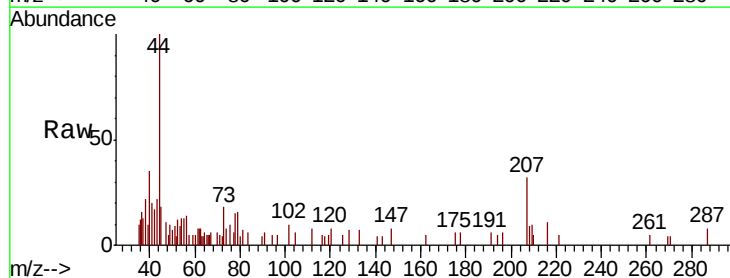
Tot Ion: 59 Resp: 3645
Ion Ratio Lower Upper
59 100
57 16.2 8.5 12.7#

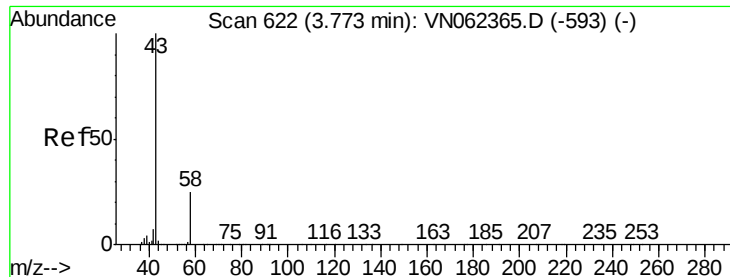


#13

Acrolein
Concen: 0.560 ug/l
RT: 3.56 min Scan# 556
Delta R.T. -0.01 min
Lab File: VN062378.D
Acq: 6 Jul 2020 21:32

Tgt Ion: 56 Resp: 234
Ion Ratio Lower Upper
56 100
55 0.0 59.6 89.4#





#16

Acetone

Concen: 9.795 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062378.D

Acq: 6 Jul 2020 21:32

Instrument :

MSVOA_N

ClientSampleId :

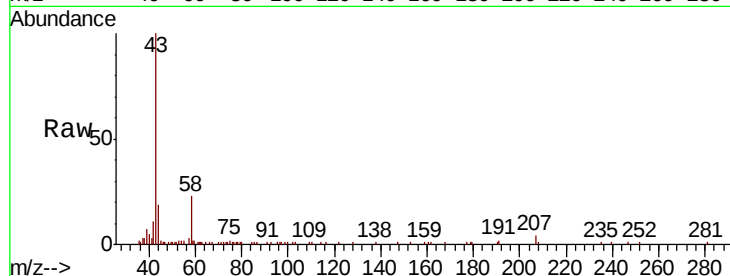
BP-MW180-SOIL-610-614

Tot Ion: 43 Resp: 80263

Ion Ratio Lower Upper

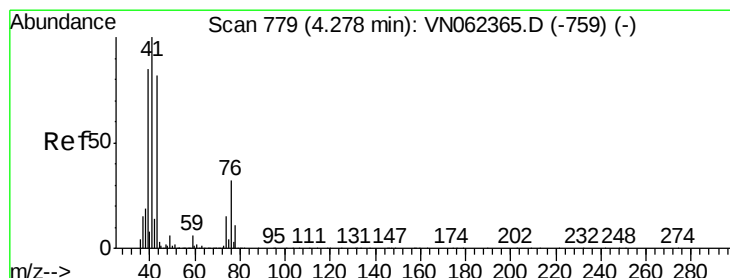
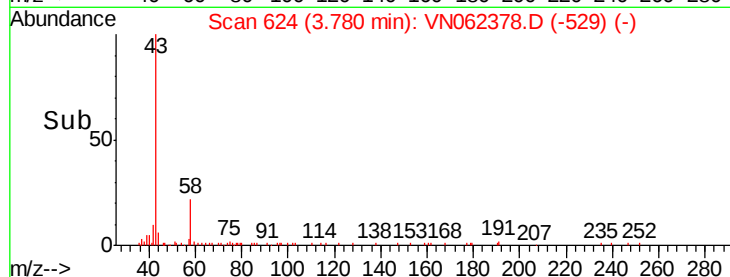
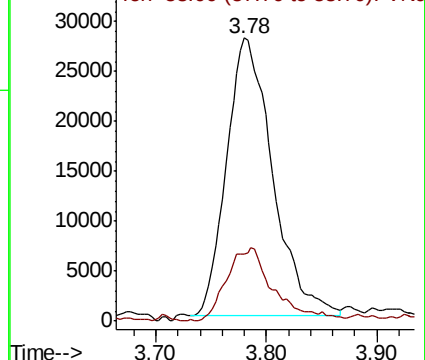
43 100

58 22.8 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.27 min Scan# 776

Delta R.T. -0.01 min

Lab File: VN062378.D

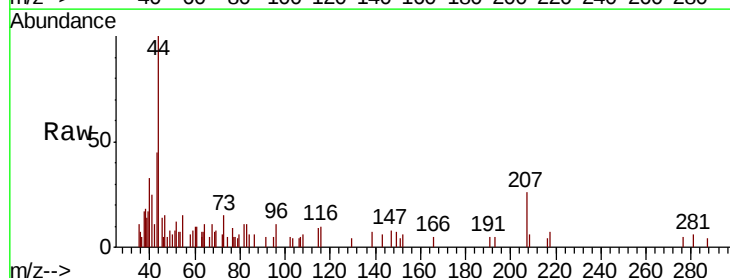
Acq: 6 Jul 2020 21:32

Tgt Ion: 43 Resp: 1144

Ion Ratio Lower Upper

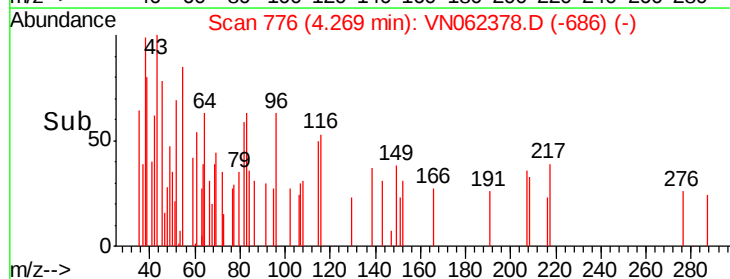
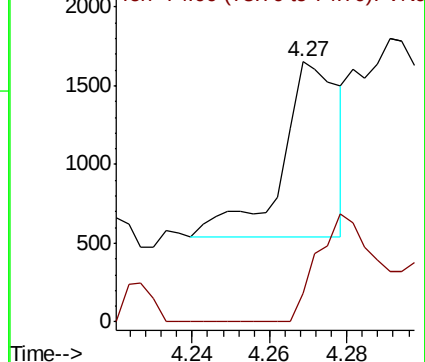
43 100

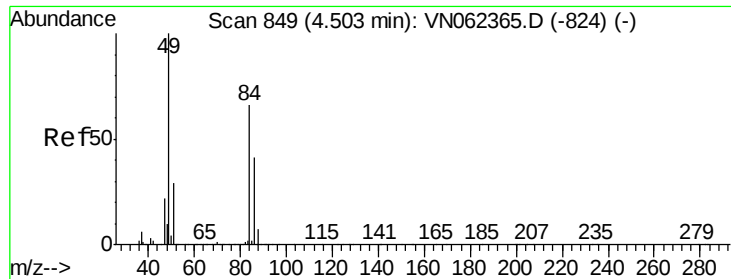
74 60.6 14.2 21.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

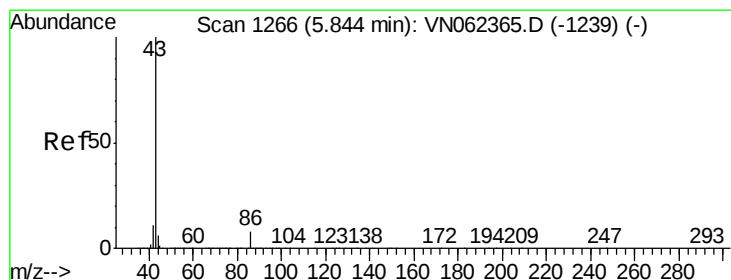
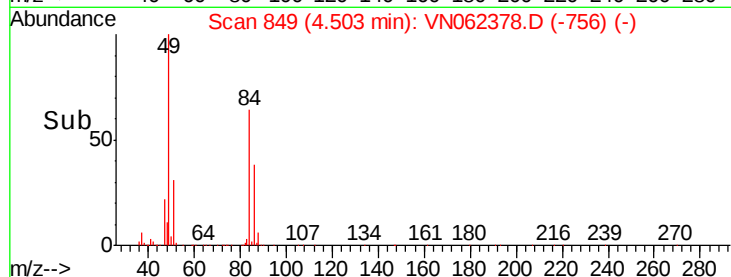
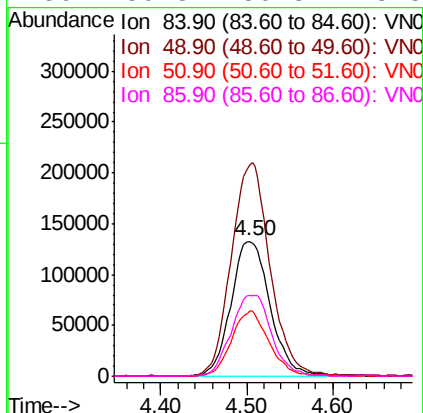
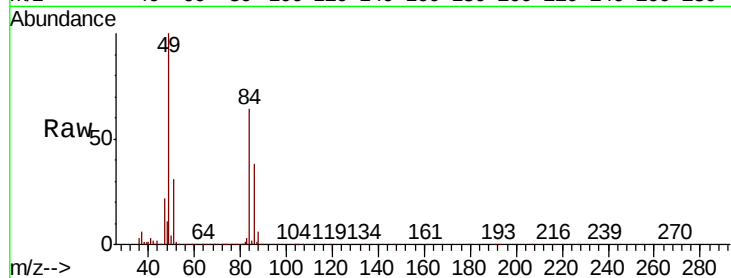




#20
Methvlene Chloride
Concen: 34.318 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062378.D
Acq: 6 Jul 2020 21:32

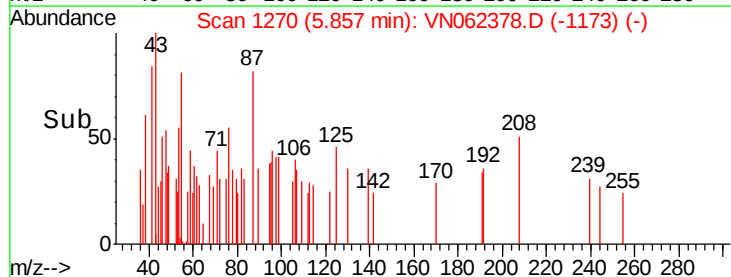
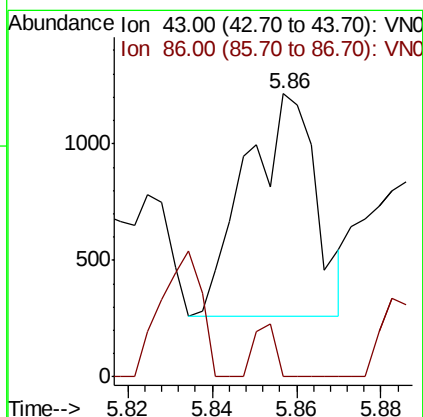
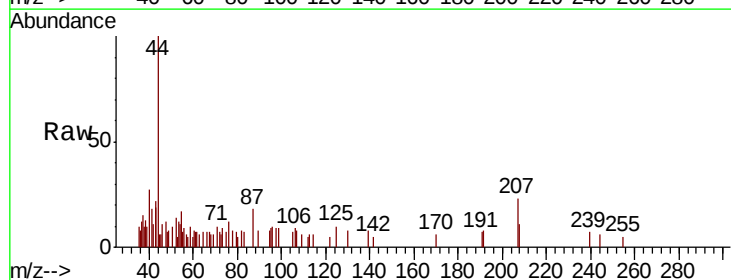
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-SOIL-610-614

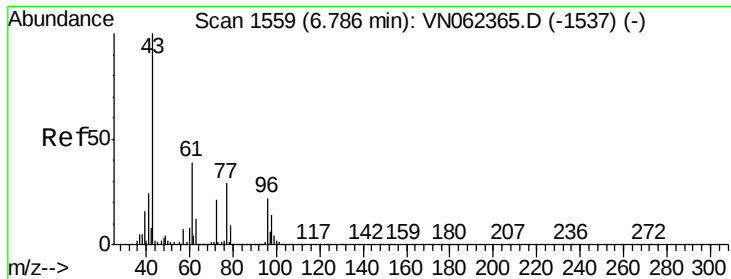
Tot Ion:	84	Resp:	417103
Ion	Ratio	Lower	Upper
84	100		
49	157.2	121.8	182.6
51	48.3	35.0	52.4
86	59.8	50.3	75.5



#23
Vinyl Acetate
Concen: Below Cal
RT: 5.86 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VN062378.D
Acq: 6 Jul 2020 21:32

Tgt Ion:	43	Resp:	1094
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.6	9.8#





#25

2-Butanone

Concen: 0.662 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.01 min

Lab File: VN062378.D

Acq: 6 Jul 2020 21:32

Instrument :

MSVOA_N

ClientSampleId :

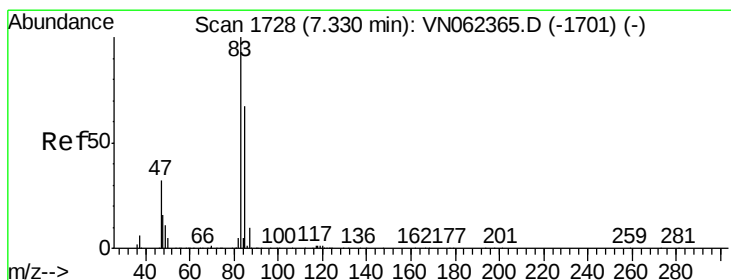
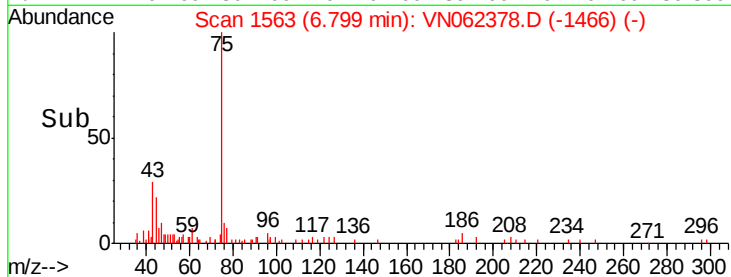
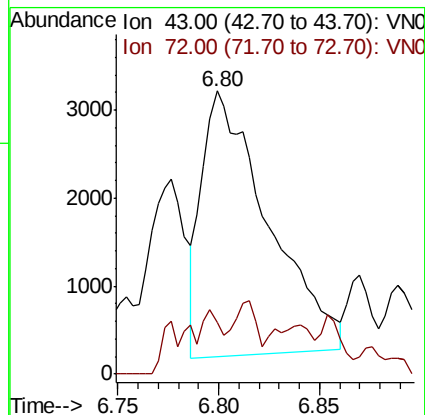
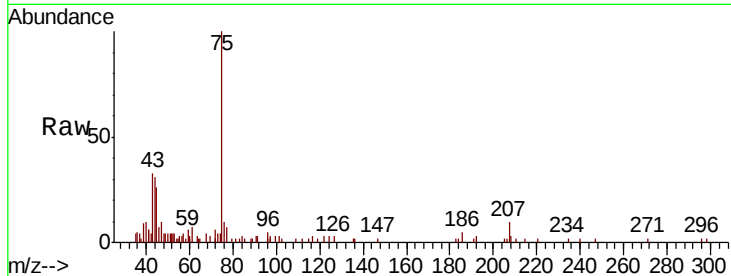
BP-MW180-SOIL-610-614

Tot Ion: 43 Resp: 6830

Ion Ratio Lower Upper

43 100

72 7.0 16.4 24.6#



#30

Chloroform

Concen: 0.279 ug/l

RT: 7.33 min Scan# 1729

Delta R.T. 0.00 min

Lab File: VN062378.D

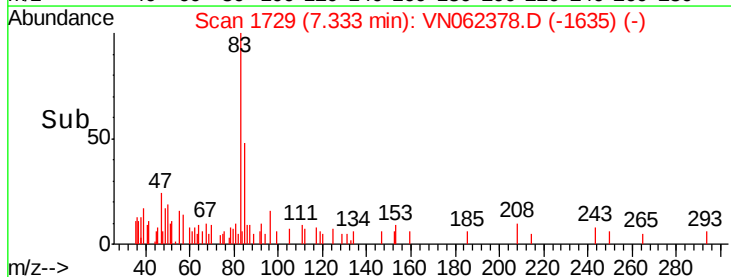
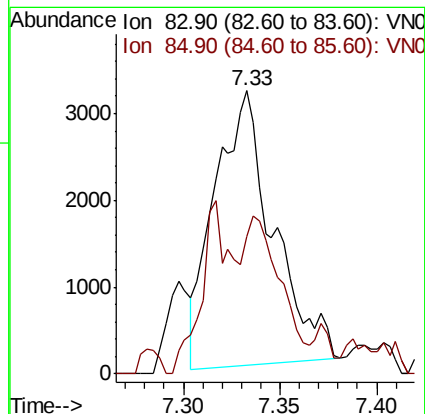
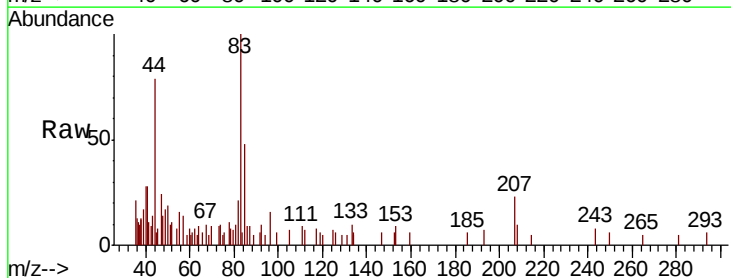
Acq: 6 Jul 2020 21:32

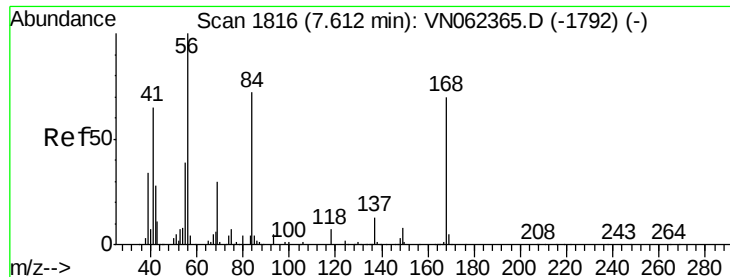
Tgt Ion: 83 Resp: 6630

Ion Ratio Lower Upper

83 100

85 45.5 53.6 80.4#

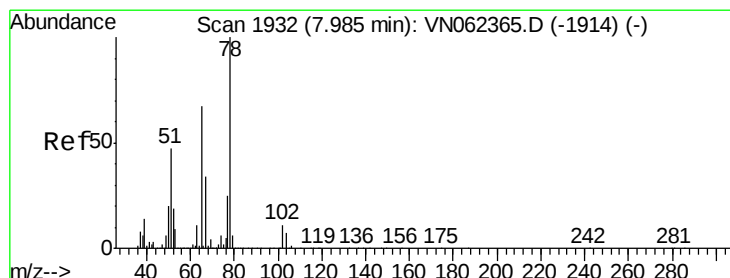
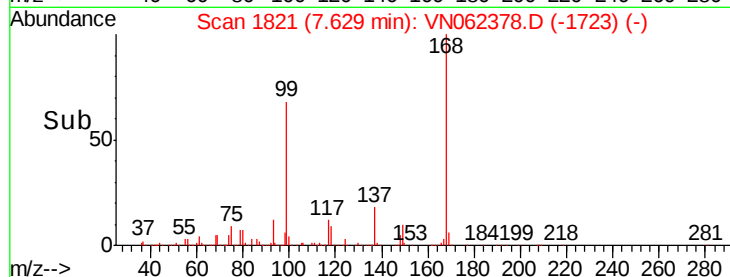
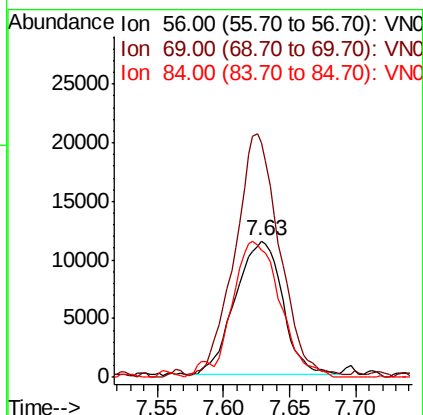
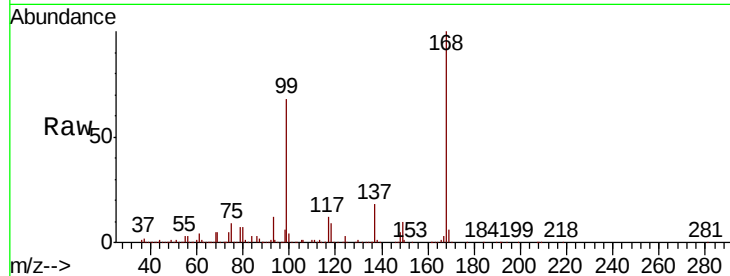




#31
Cyclohexane
Concen: 1.244 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062378.D
Acq: 6 Jul 2020 21:32

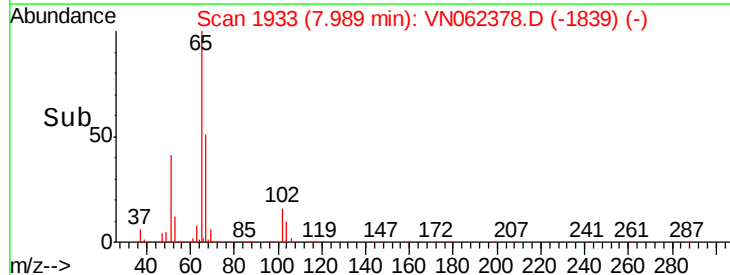
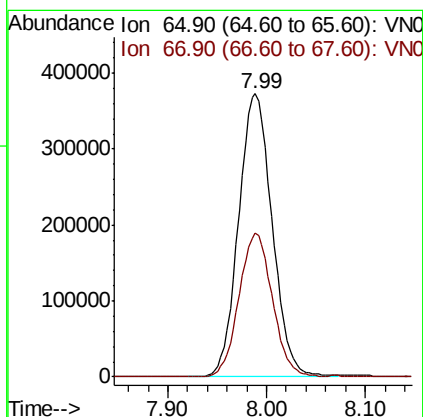
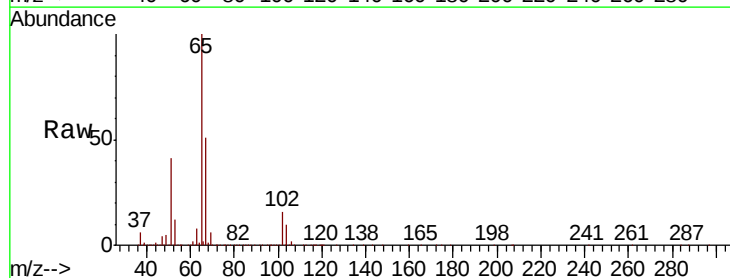
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-SOIL-610-614

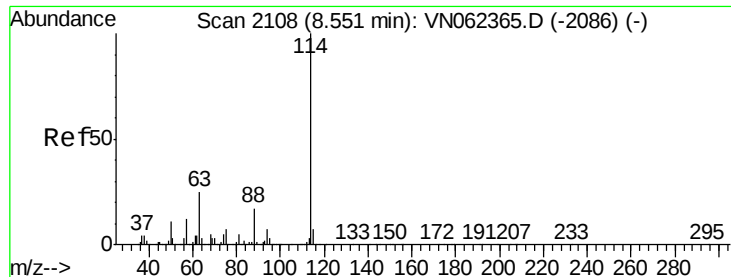
Tot Ion: 56 Resp: 28036
Ion Ratio Lower Upper
56 100
69 176.0 23.7 35.5#
84 96.2 57.2 85.8#



#33
1,2-Dichloroethane-d4
Concen: 49.424 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062378.D
Acq: 6 Jul 2020 21:32

Tgt Ion: 65 Resp: 878456
Ion Ratio Lower Upper
65 100
67 50.6 0.0 101.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062378.D

Acq: 6 Jul 2020 21:32

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-SOIL-610-614

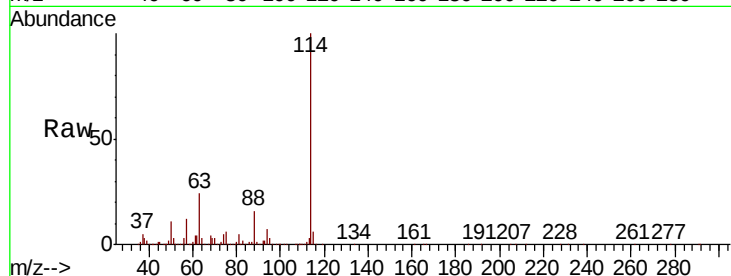
Tot Ion:114 Resp: 1752625

Ion Ratio Lower Upper

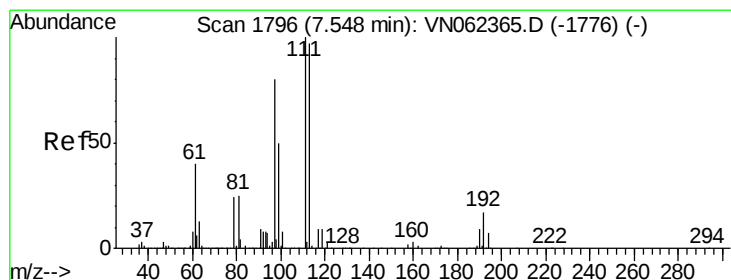
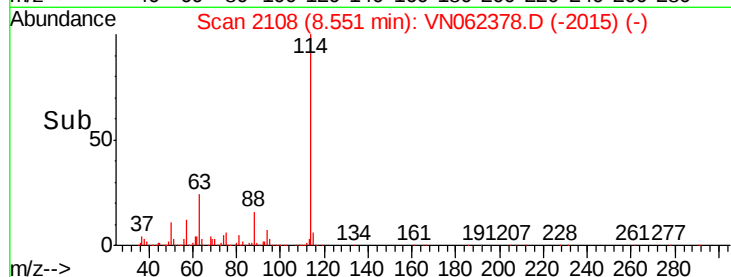
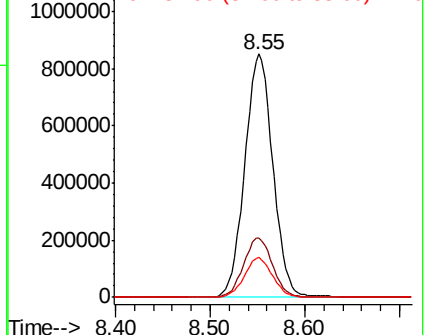
114 100

63 24.3 0.0 49.0

88 16.3 0.0 34.0



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



#35

Dibromofluoromethane

Concen: 50.546 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN062378.D

Acq: 6 Jul 2020 21:32

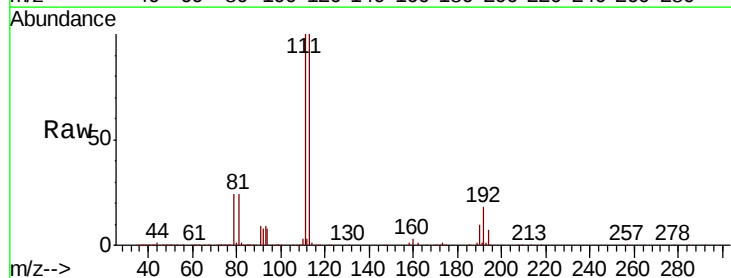
Tgt Ion:113 Resp: 604351

Ion Ratio Lower Upper

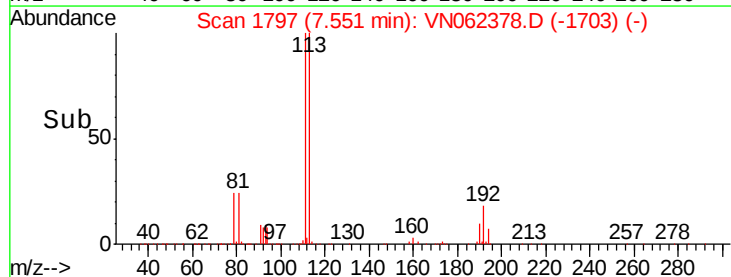
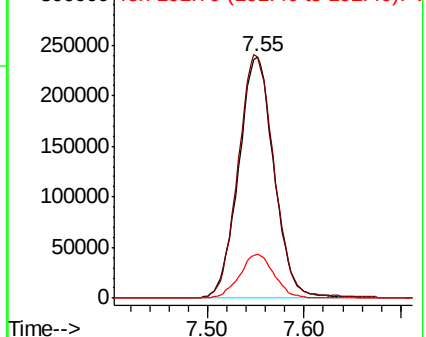
113 100

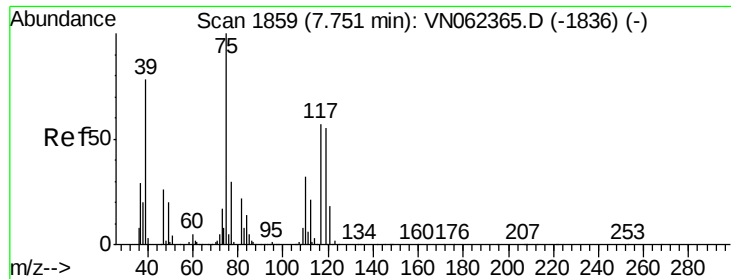
111 101.9 83.2 124.8

192 17.7 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

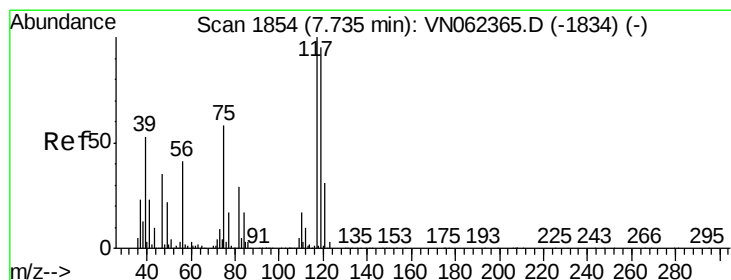
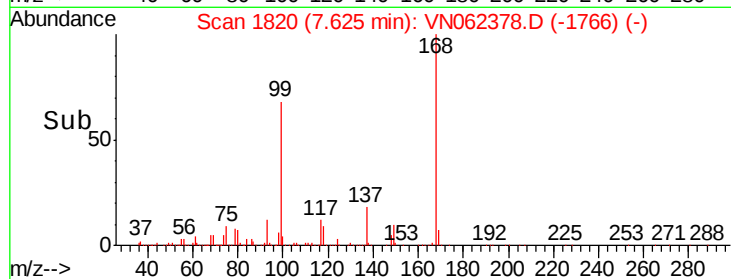
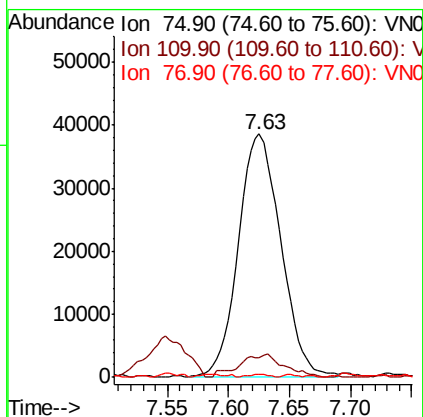
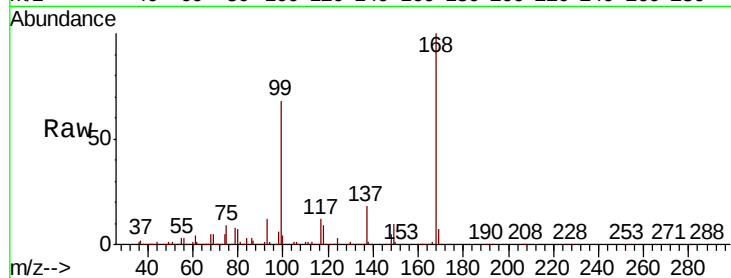




#36
 1,1-Dichloropropene
 Concen: 5.060 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062378.D
 Acq: 6 Jul 2020 21:32

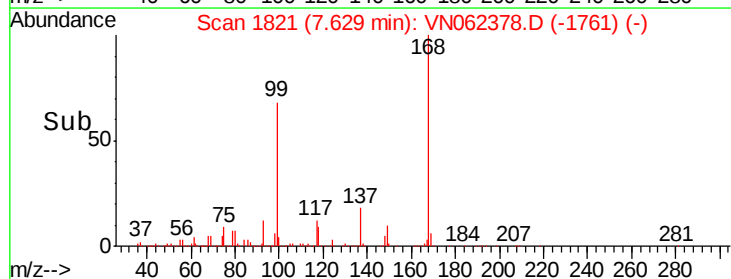
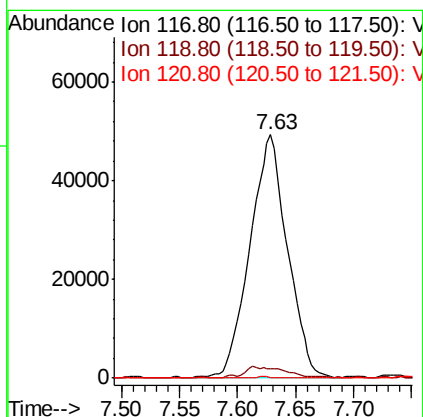
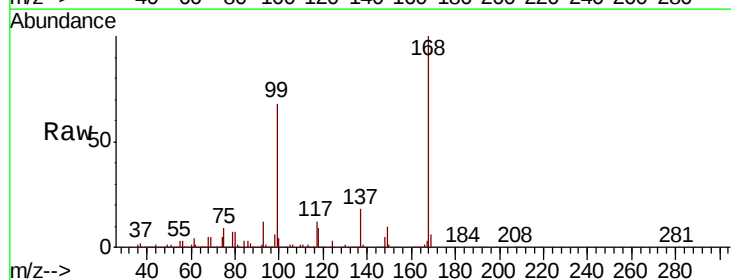
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MW180-SOIL-610-614

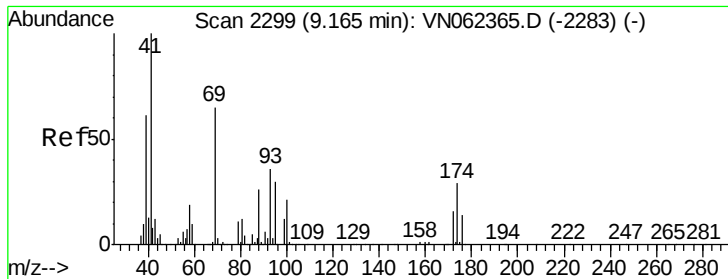
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.9	15.7	47.1#
77	0.6	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.020 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.11 min
 Lab File: VN062378.D
 Acq: 6 Jul 2020 21:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	75.9	113.9#
121	0.3	24.6	36.8#

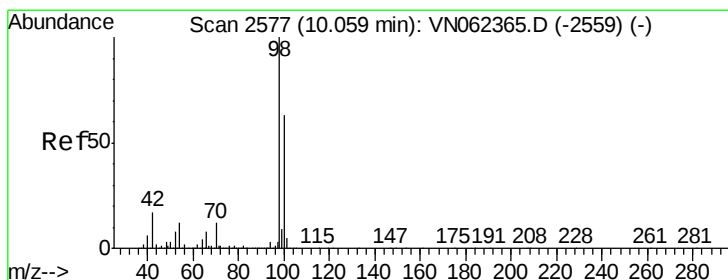
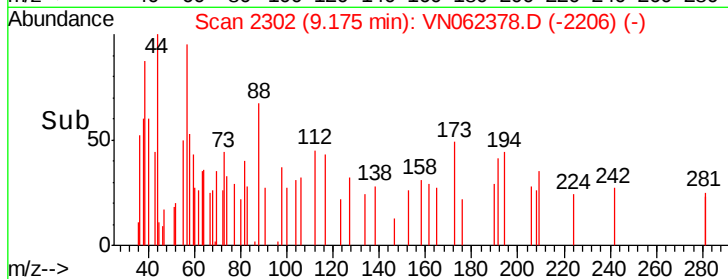
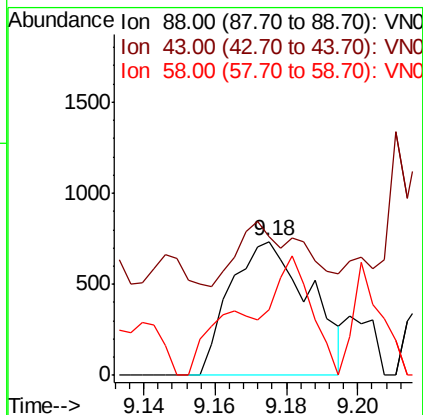
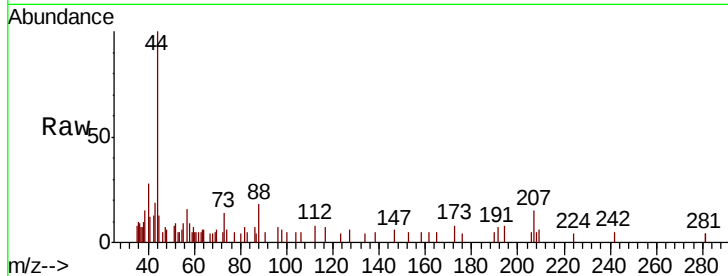




#49
1,4-Dioxane
Concen: 4.456 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. 0.01 min
Lab File: VN062378.D
Acq: 6 Jul 2020 21:32

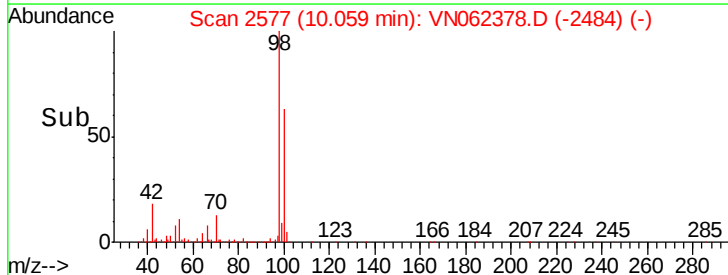
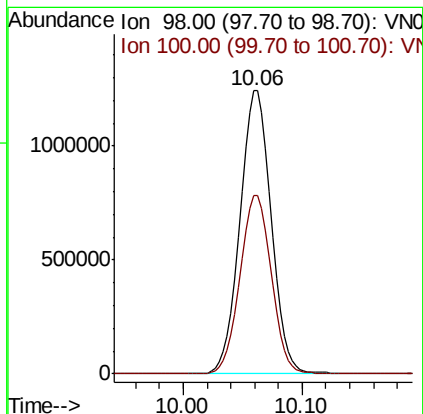
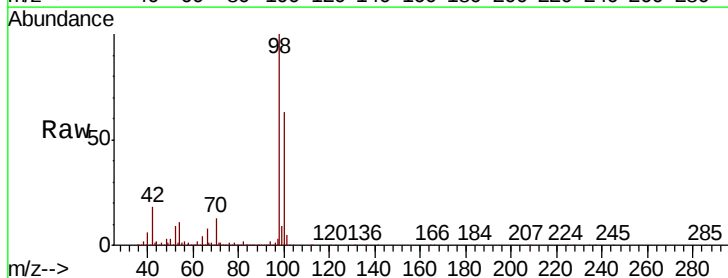
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-SOIL-610-614

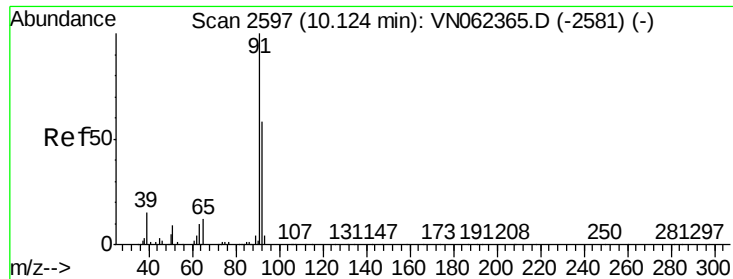
Tot Ion: 88 Resp: 1128
Ion Ratio Lower Upper
88 100
43 37.2 34.0 51.0
58 30.6 63.0 94.4#



#50
Toluene-d8
Concen: 50.674 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062378.D
Acq: 6 Jul 2020 21:32

Tgt Ion: 98 Resp: 2264858
Ion Ratio Lower Upper
98 100
100 63.5 50.2 75.2





#52

Toluene

Concen: 0.289 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN062378.D

Acq: 6 Jul 2020 21:32

Instrument :

MSVOA_N

ClientSampleId :

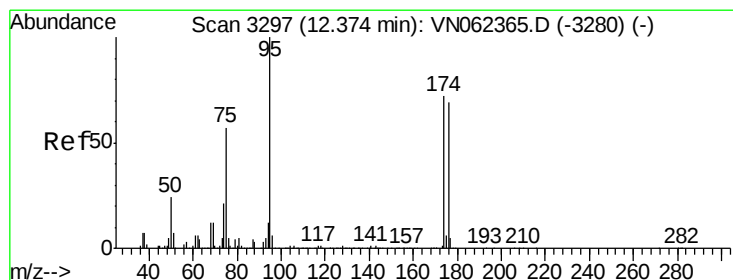
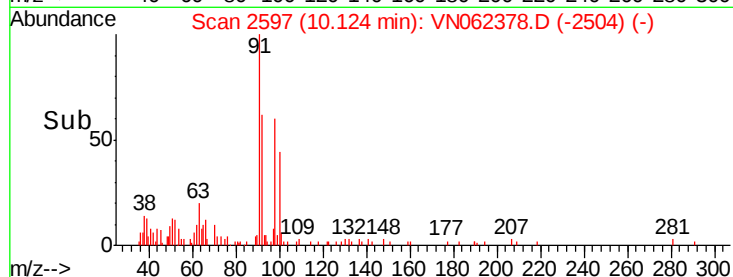
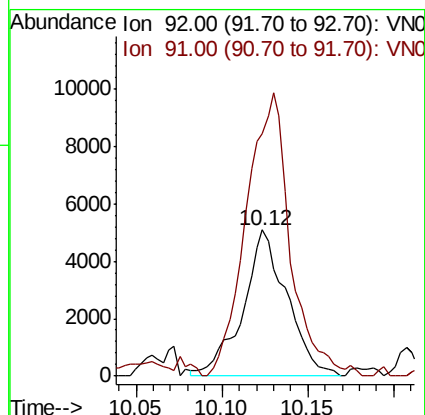
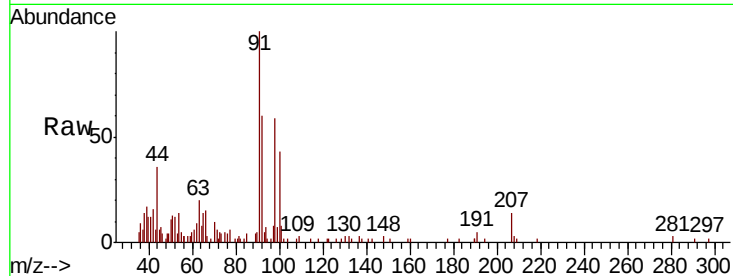
BP-MW180-SOIL-610-614

Tot Ion: 92 Resp: 9046

Ion Ratio Lower Upper

92 100

91 194.1 139.4 209.2



#62

4-Bromofluorobenzene

Concen: 47.571 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062378.D

Acq: 6 Jul 2020 21:32

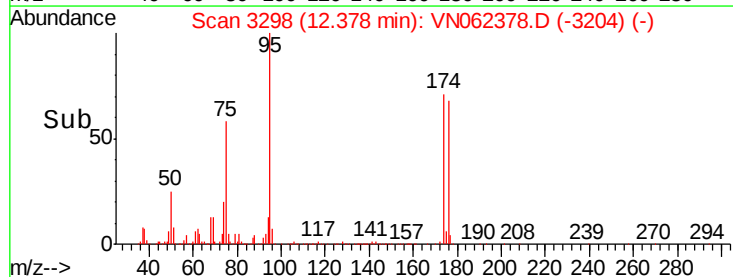
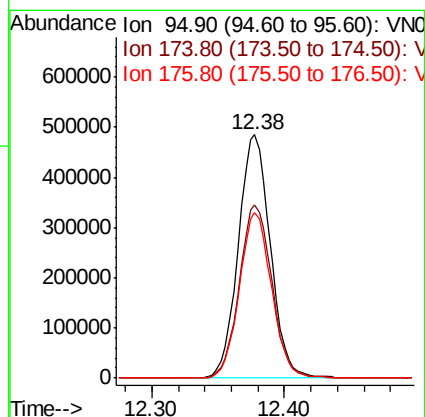
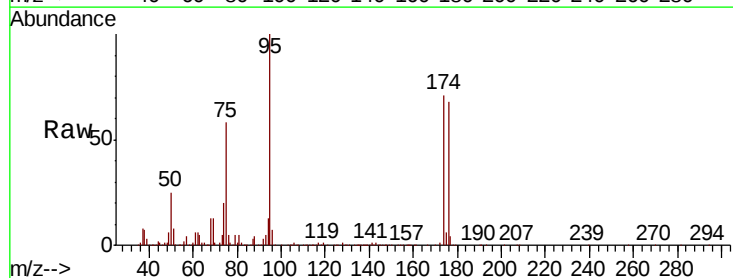
Tgt Ion: 95 Resp: 814304

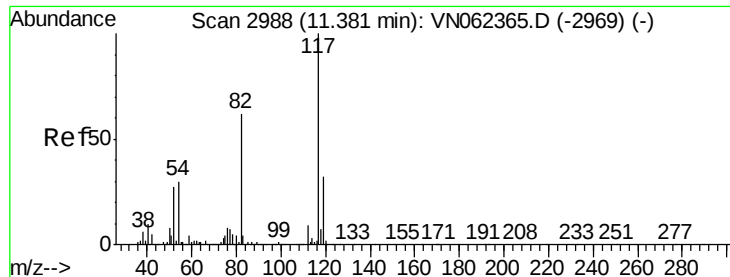
Ion Ratio Lower Upper

95 100

174 72.4 0.0 145.8

176 68.7 0.0 140.2

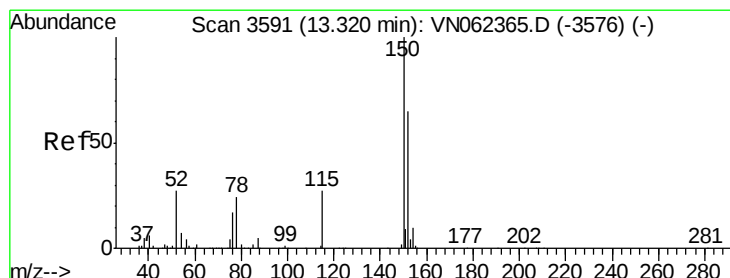
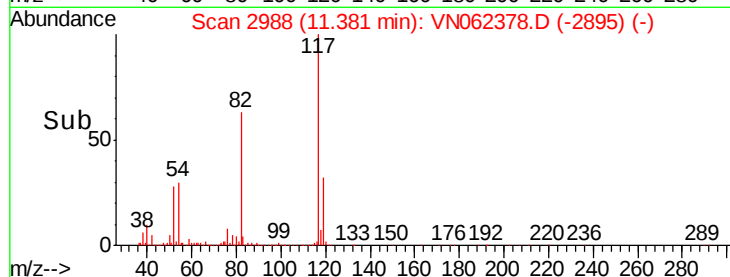
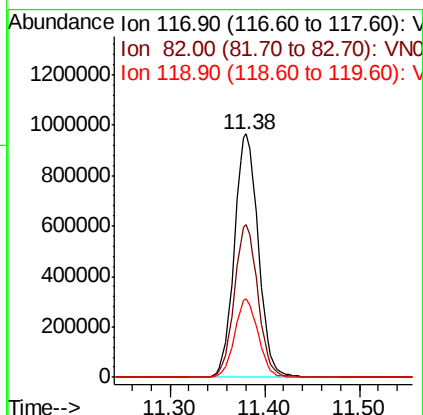
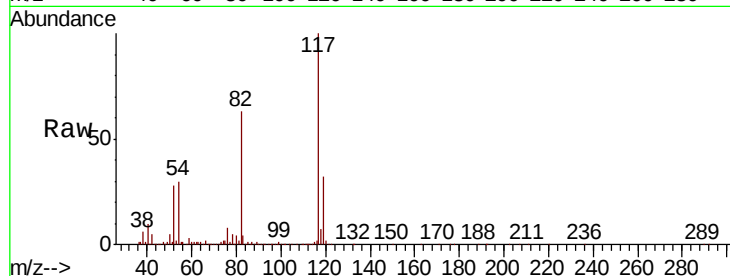




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062378.D
Acq: 6 Jul 2020 21:32

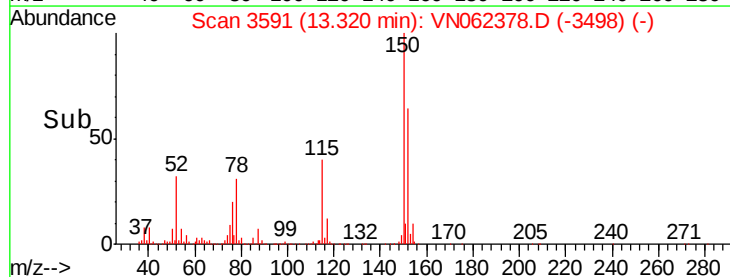
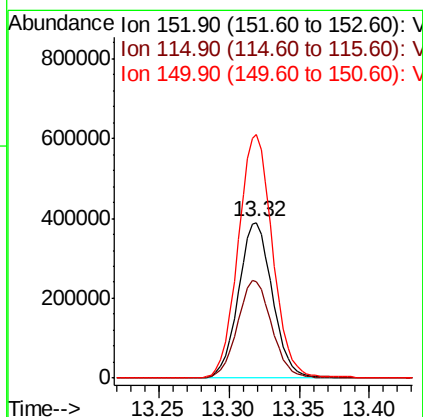
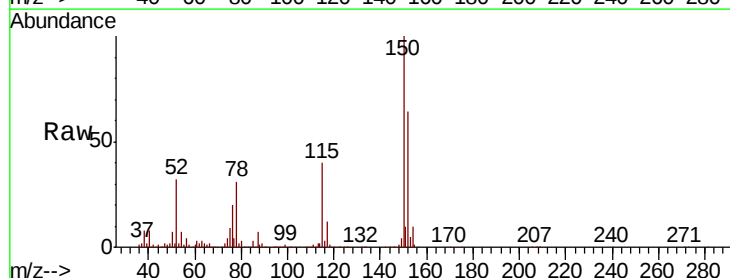
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-SOIL-610-614

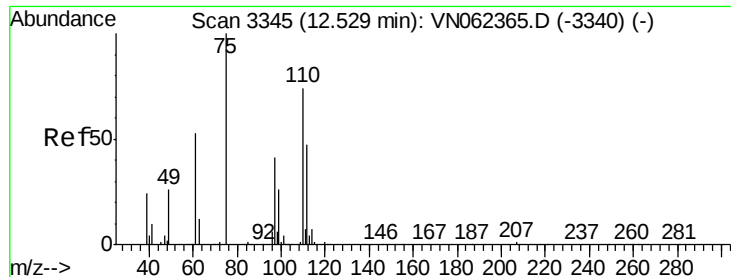
Tot Ion:117 Resp: 1697417
Ion Ratio Lower Upper
117 100
82 62.6 49.4 74.2
119 32.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062378.D
Acq: 6 Jul 2020 21:32

Tgt Ion:152 Resp: 657238
Ion Ratio Lower Upper
152 100
115 63.3 30.5 91.5
150 159.1 0.0 346.8

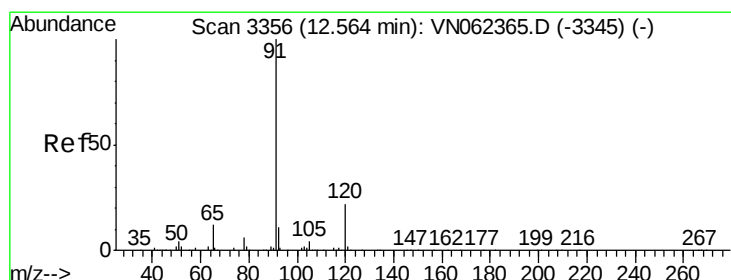
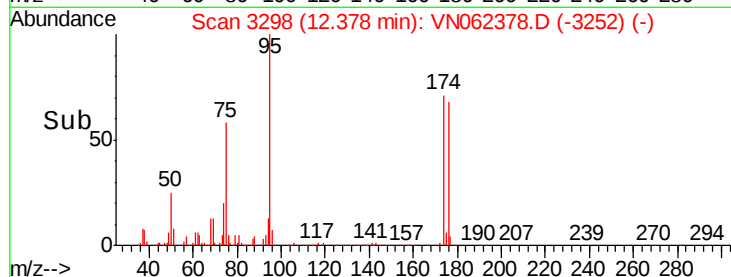
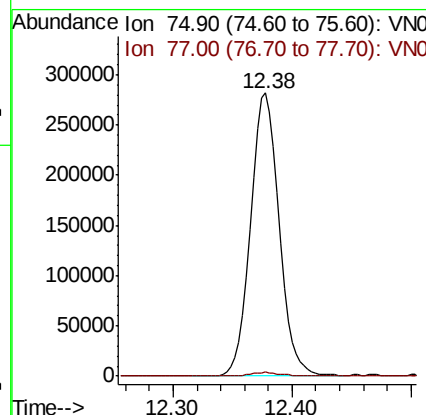
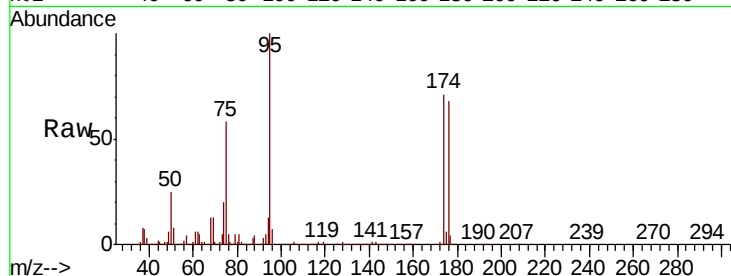




#76
1,2,3-Trichloropropane
Concen: 29.602 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.15 min
Lab File: VN062378.D
Acq: 6 Jul 2020 21:32

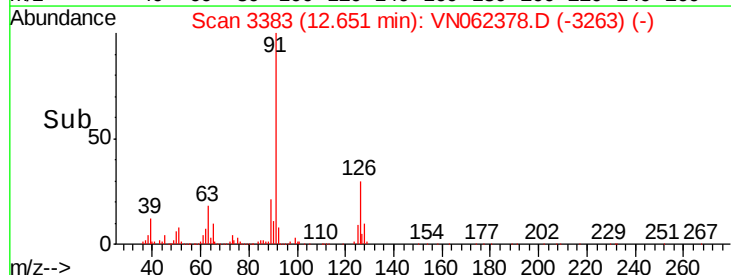
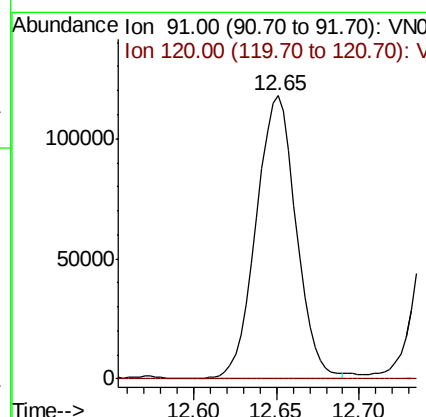
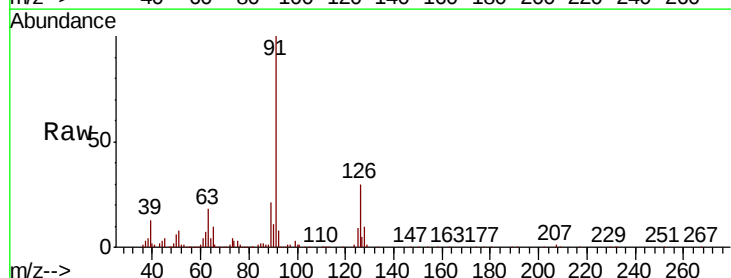
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-SOIL-610-614

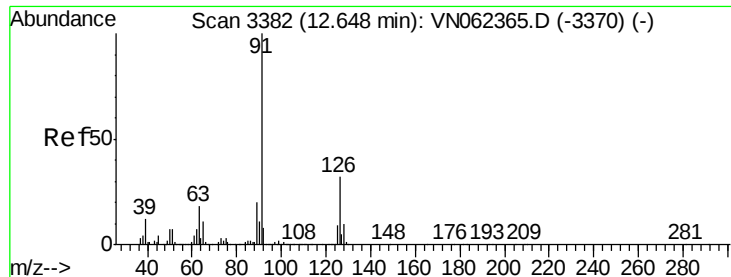
Tot Ion: 75 Resp: 469929
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#78
n-propylbenzene
Concen: 3.298 ug/l
RT: 12.65 min Scan# 3383
Delta R.T. 0.09 min
Lab File: VN062378.D
Acq: 6 Jul 2020 21:32

Tgt Ion: 91 Resp: 198121
Ion Ratio Lower Upper
91 100
120 0.1 10.9 32.6#





#79

2-Chlorotoluene

Concen: 5.613 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062378.D

Acq: 6 Jul 2020 21:32

Instrument :

MSVOA_N

ClientSampleId :

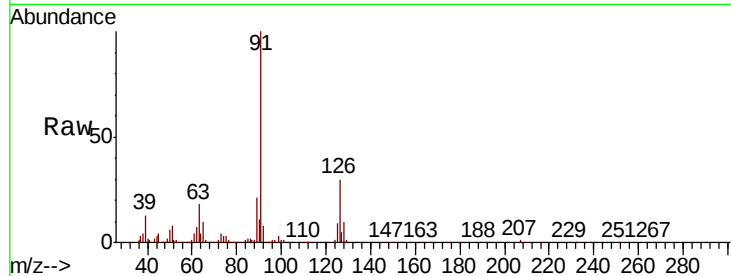
BP-MW180-SOIL-610-614

Tot Ion: 91 Resp: 198121

Ion Ratio Lower Upper

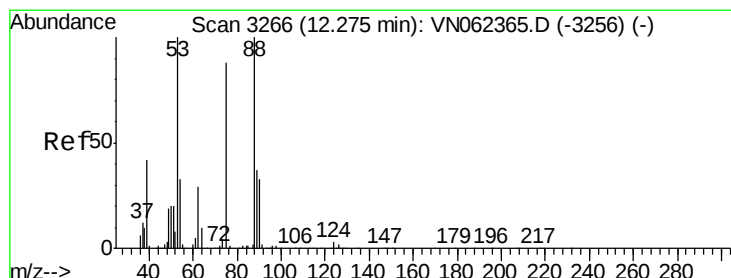
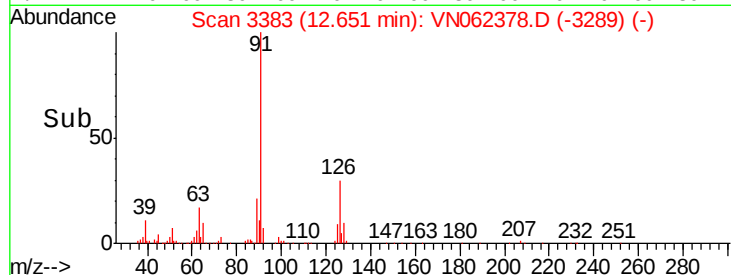
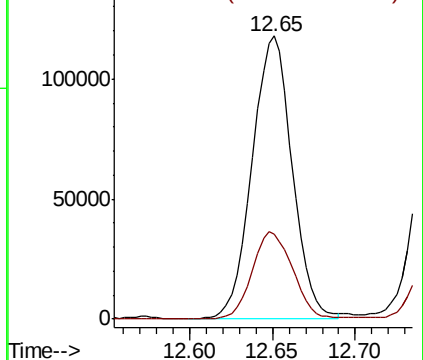
91 100

126 31.6 15.8 47.4



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 84.653 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062378.D

Acq: 6 Jul 2020 21:32

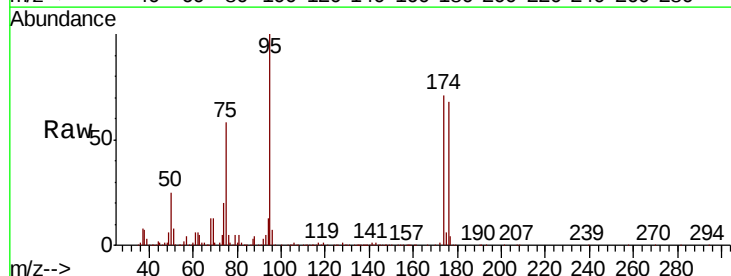
Tgt Ion: 75 Resp: 469929

Ion Ratio Lower Upper

75 100

53 0.0 92.3 138.5#

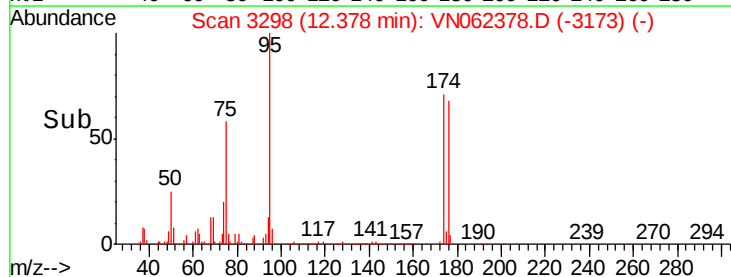
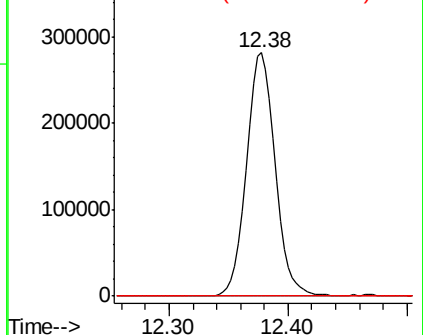
89 0.0 37.0 55.4#

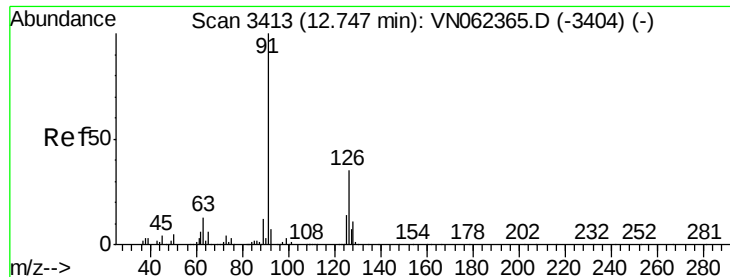


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

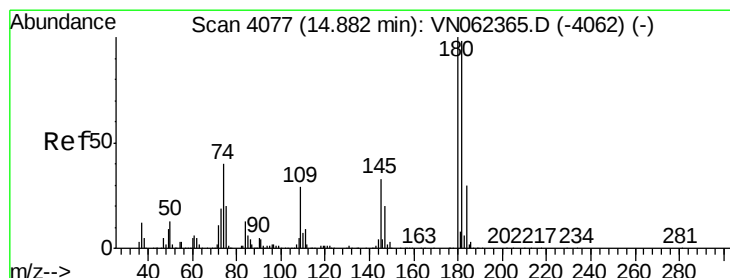
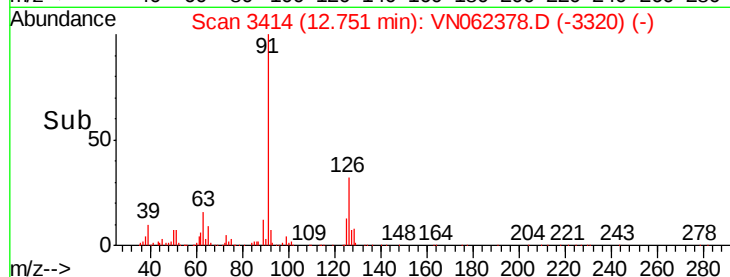
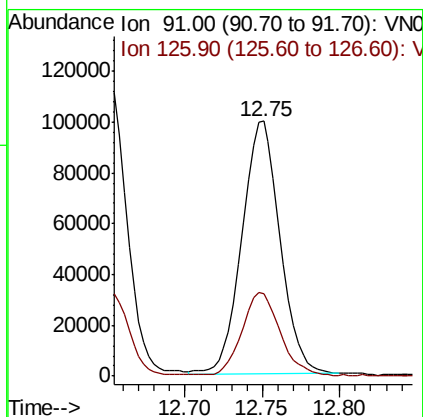
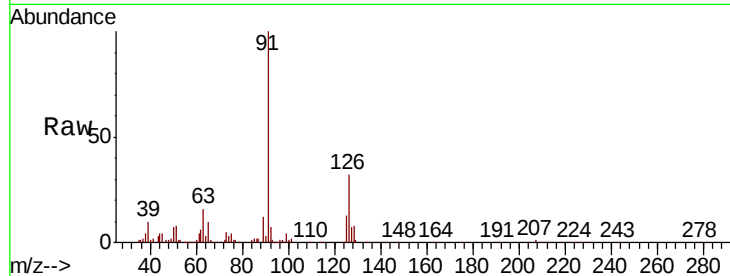




#82
4-Chlorotoluene
Concen: 4.759 ug/l
RT: 12.75 min Scan# 3414
Delta R.T. 0.00 min
Lab File: VN062378.D
Acq: 6 Jul 2020 21:32

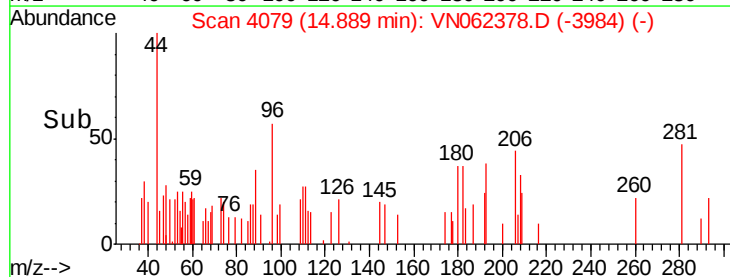
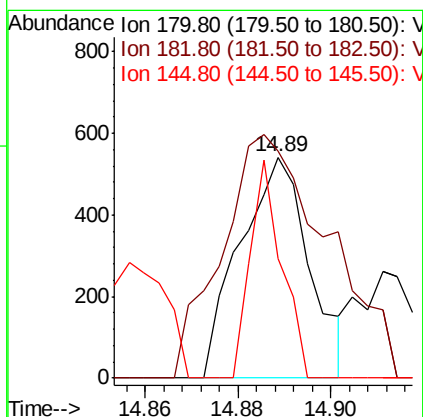
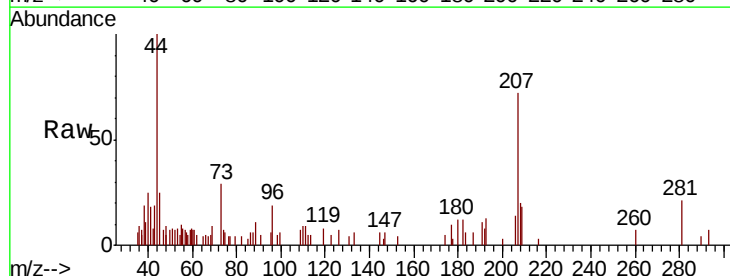
Instrument :
MSVOA_N
ClientSampleId :
BP-MW180-SOIL-610-614

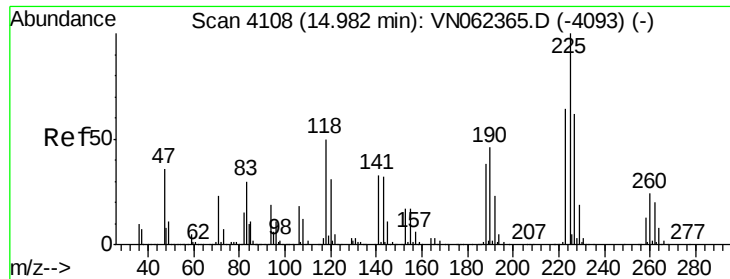
Tot Ion: 91 Resp: 171805
Ion Ratio Lower Upper
91 100
126 32.4 15.6 46.7



#93
1,2,4-Trichlorobenzene
Concen: 2.781 ug/l
RT: 14.89 min Scan# 4079
Delta R.T. 0.01 min
Lab File: VN062378.D
Acq: 6 Jul 2020 21:32

Tgt Ion: 180 Resp: 565
Ion Ratio Lower Upper
180 100
182 167.4 47.6 142.8#
145 44.6 15.9 47.7





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 14.97 min Scan# 4105

Delta R.T. -0.01 min

Lab File: VN062378.D

Acq: 6 Jul 2020 21:32

Instrument :

MSVOA_N

ClientSampleId :

BP-MW180-SOIL-610-614

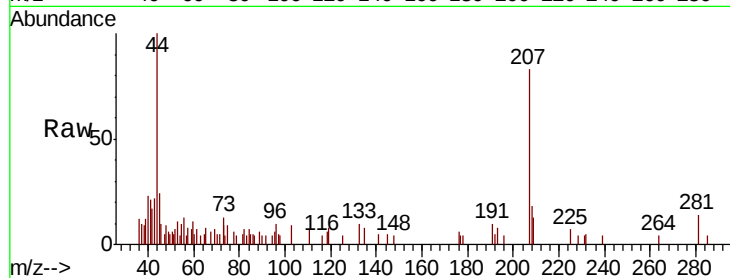
Tot Ion:225 Resp: 142

Ion Ratio Lower Upper

225 100

223 0.0 31.7 95.1#

227 47.9 30.3 90.8

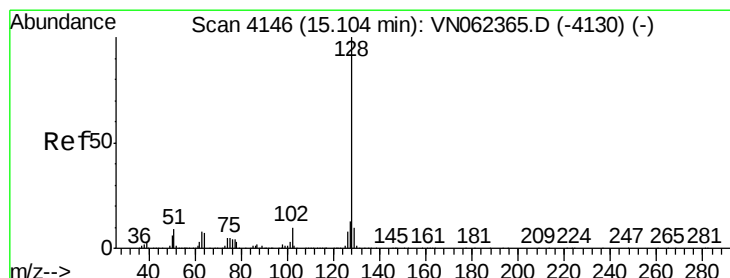
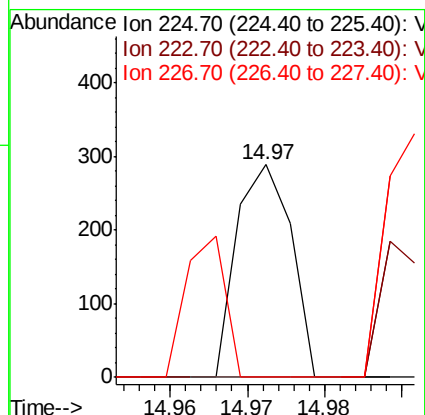
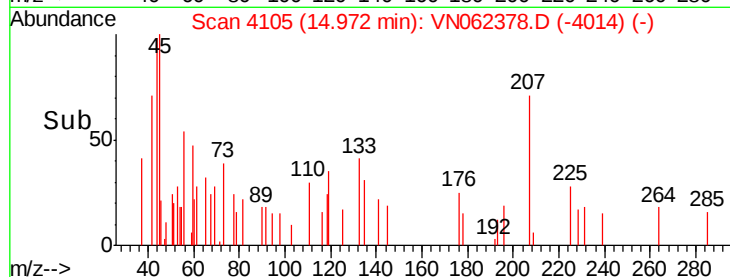


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

Time-->



#95

Naphthalene

Concen: 2.155 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062378.D

Acq: 6 Jul 2020 21:32

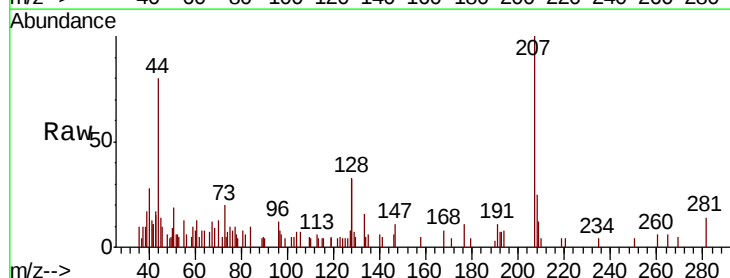
Tgt Ion:128 Resp: 2600

Ion Ratio Lower Upper

128 100

127 15.3 10.8 16.2

129 29.1 8.6 12.8#



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

Time-->

